

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107129.D
 Acq On : 5 Jul 2018 16:19
 Operator : JU/SJ
 Sample : J3853-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.542	542	545	548	rVV	337940	351085	13.17%	0.411%
2	5.595	550	554	559	rVB	1064353	1061281	39.81%	1.242%
3	5.972	610	618	621	rBV3	227009	327018	12.27%	0.383%
4	6.184	650	654	656	rBV	746715	864424	32.42%	1.012%
5	6.242	661	664	667	rVB	440147	386043	14.48%	0.452%
6	6.378	682	687	690	rBV4	409333	632869	23.74%	0.741%
7	6.407	690	692	694	rBV2	468809	424015	15.90%	0.496%
8	6.437	694	697	699	rVB	680924	601363	22.56%	0.704%
9	6.484	699	705	709	rBV4	538347	1009242	37.86%	1.181%
10	6.525	709	712	715	rVB	502014	397958	14.93%	0.466%
11	6.595	720	724	726	rBV	1102923	1157470	43.42%	1.355%
12	6.684	734	739	744	rBV6	477038	986024	36.99%	1.154%
13	6.731	744	747	751	rVB	1393737	1462531	54.86%	1.712%
14	6.784	751	756	757	rBV2	304575	375675	14.09%	0.440%
15	6.901	773	776	778	rBV2	393915	424294	15.92%	0.497%
16	6.948	781	784	787	rVB	1359125	1432944	53.75%	1.677%
17	6.989	787	791	795	rBV3	345716	544630	20.43%	0.638%
18	7.048	795	801	804	rBV3	501575	794246	29.79%	0.930%
19	7.089	804	808	810	rBV4	770636	1121039	42.05%	1.312%
20	7.195	823	826	827	rVV	610437	592945	22.24%	0.694%
21	7.213	827	829	832	rVV2	942935	845223	31.70%	0.989%
22	7.266	836	838	840	rBV	438374	339464	12.73%	0.397%
23	7.319	844	847	849	rBV2	448218	521300	19.55%	0.610%
24	7.366	853	855	860	rVB3	384484	543953	20.40%	0.637%
25	7.419	860	864	867	rBV4	247336	391469	14.68%	0.458%
26	7.484	868	875	878	rBV3	1335433	2015120	75.59%	2.359%
27	7.519	878	881	884	rVB2	1285598	1265112	47.45%	1.481%
28	7.589	888	893	896	rBV4	772651	1324571	49.68%	1.551%
29	7.636	896	901	905	rBV4	691433	1138655	42.71%	1.333%
30	7.689	905	910	912	rBV5	337287	600350	22.52%	0.703%
31	7.719	912	915	918	rVB2	1029230	939602	35.24%	1.100%
32	7.760	918	922	926	rVB5	705522	1021644	38.32%	1.196%
33	7.848	929	937	939	rBV3	921074	1725165	64.71%	2.019%
34	7.878	939	942	944	rBV3	527072	644161	24.16%	0.754%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.972	955	958	966	rVB6	1140122	1727961	64.81%	2.023%
36	8.048	966	971	974	rBV3	566494	764541	28.68%	0.895%
37	8.101	976	980	983	rBV	821752	806799	30.26%	0.944%
38	8.131	983	985	987	rBV3	295468	330840	12.41%	0.387%
39	8.166	988	991	992	rVV3	331709	350213	13.14%	0.410%
40	8.184	992	994	996	rVV3	513189	581830	21.82%	0.681%
41	8.225	998	1001	1003	rVV	842444	1153047	43.25%	1.350%
42	8.242	1003	1004	1008	rVV4	740659	1082030	40.59%	1.267%
43	8.283	1008	1011	1014	rVB2	1551065	1967804	73.81%	2.304%
44	8.319	1014	1017	1022	rBV4	824025	1139201	42.73%	1.334%
45	8.413	1030	1033	1034	rBV2	361937	354368	13.29%	0.415%
46	8.436	1034	1037	1042	rVB5	808073	1014535	38.05%	1.188%
47	8.483	1042	1045	1047	rBV3	406413	480986	18.04%	0.563%
48	8.519	1048	1051	1056	rVB4	1046485	1506670	56.51%	1.764%
49	8.625	1064	1069	1070	rBV3	419751	552541	20.73%	0.647%
50	8.654	1070	1074	1076	rBV	1036426	1082106	40.59%	1.267%
51	8.742	1086	1089	1091	rBV	771452	719197	26.98%	0.842%
52	8.772	1091	1094	1097	rVV3	336091	423183	15.87%	0.495%
53	8.825	1101	1103	1106	rBV3	401675	532302	19.97%	0.623%
54	8.913	1115	1118	1120	rVB3	658314	748072	28.06%	0.876%
55	8.966	1124	1127	1129	rBV	902551	790533	29.65%	0.925%
56	9.013	1132	1135	1137	rBV4	428102	471368	17.68%	0.552%
57	9.066	1141	1144	1146	rVV	1017369	1035533	38.84%	1.212%
58	9.142	1154	1157	1160	rVB3	717548	812720	30.48%	0.951%
59	9.254	1172	1176	1182	rVB4	1306864	2032164	76.23%	2.379%
60	9.313	1183	1186	1190	rVB2	771063	934342	35.05%	1.094%
61	9.395	1196	1200	1204	rBV3	627828	737733	27.67%	0.864%
62	9.466	1210	1212	1215	rVB4	434227	358147	13.43%	0.419%
63	9.519	1219	1221	1228	rVB2	537247	834015	31.28%	0.976%
64	9.595	1228	1234	1236	rBV2	1003035	1654691	62.07%	1.937%
65	9.666	1242	1246	1249	rBV	758705	1186396	44.50%	1.389%
66	9.707	1249	1253	1256	rVB4	1166875	1887214	70.79%	2.209%
67	9.783	1264	1266	1273	rVB5	870771	1489931	55.89%	1.744%
68	9.866	1277	1280	1282	rVV2	653063	613933	23.03%	0.719%
69	9.954	1292	1295	1297	rBV3	387771	470477	17.65%	0.551%
70	9.977	1297	1299	1302	rBV2	469448	442510	16.60%	0.518%
71	10.107	1317	1321	1325	rBV	689397	1086486	40.75%	1.272%

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72	10.172	1330	1332	1334	rVV2	528142	465214	17.45%	0.545%
73	10.207	1334	1338	1341	rVV2	955314	1200354	45.02%	1.405%
74	10.248	1341	1345	1349	rVB2	1083509	1312819	49.24%	1.537%
75	10.319	1354	1357	1360	rBV2	851247	1080258	40.52%	1.265%
76	10.354	1360	1363	1367	rVB	907929	894489	33.55%	1.047%
77	10.407	1368	1372	1374	rBV3	671622	843018	31.62%	0.987%
78	10.430	1374	1376	1380	rVB2	522781	538736	20.21%	0.631%
79	10.630	1406	1410	1413	rVB2	1132979	1555721	58.35%	1.821%
80	10.754	1428	1431	1435	rBV4	357542	428159	16.06%	0.501%
81	10.807	1435	1440	1441	rVV4	557517	844421	31.67%	0.988%
82	10.901	1451	1456	1464	rVB3	1535660	2665993	100.00%	3.121%
83	11.136	1493	1496	1498	rBV2	692778	629861	23.63%	0.737%
84	11.236	1507	1513	1515	rBV5	457591	1002592	37.61%	1.174%
85	11.360	1531	1534	1537	rVB	908000	951991	35.71%	1.114%
86	11.495	1555	1557	1559	rVV	395538	381604	14.31%	0.447%
87	11.524	1559	1562	1568	rVB	901934	989264	37.11%	1.158%
88	11.707	1590	1593	1599	rBV4	317193	458596	17.20%	0.537%
89	11.907	1624	1627	1635	rBV2	266609	480766	18.03%	0.563%
90	11.995	1639	1642	1645	rVV	524783	623449	23.39%	0.730%
91	12.024	1645	1647	1650	rVV	587379	558067	20.93%	0.653%
92	12.071	1653	1655	1658	rVV2	279212	332956	12.49%	0.390%
93	12.107	1658	1661	1663	rVV3	455180	522396	19.59%	0.612%
94	12.130	1663	1665	1670	rVB	352207	329644	12.36%	0.386%
95	12.436	1712	1717	1720	rVV2	317150	397752	14.92%	0.466%
96	12.542	1732	1735	1738	rBV	428377	439184	16.47%	0.514%
97	12.713	1760	1764	1767	rBV	764870	665162	24.95%	0.779%
98	12.942	1801	1803	1808	rVB	701925	697830	26.18%	0.817%
99	13.071	1821	1825	1828	rVB	1061523	926938	34.77%	1.085%
100	14.142	2002	2007	2010	rVV2	527366	789698	29.62%	0.924%

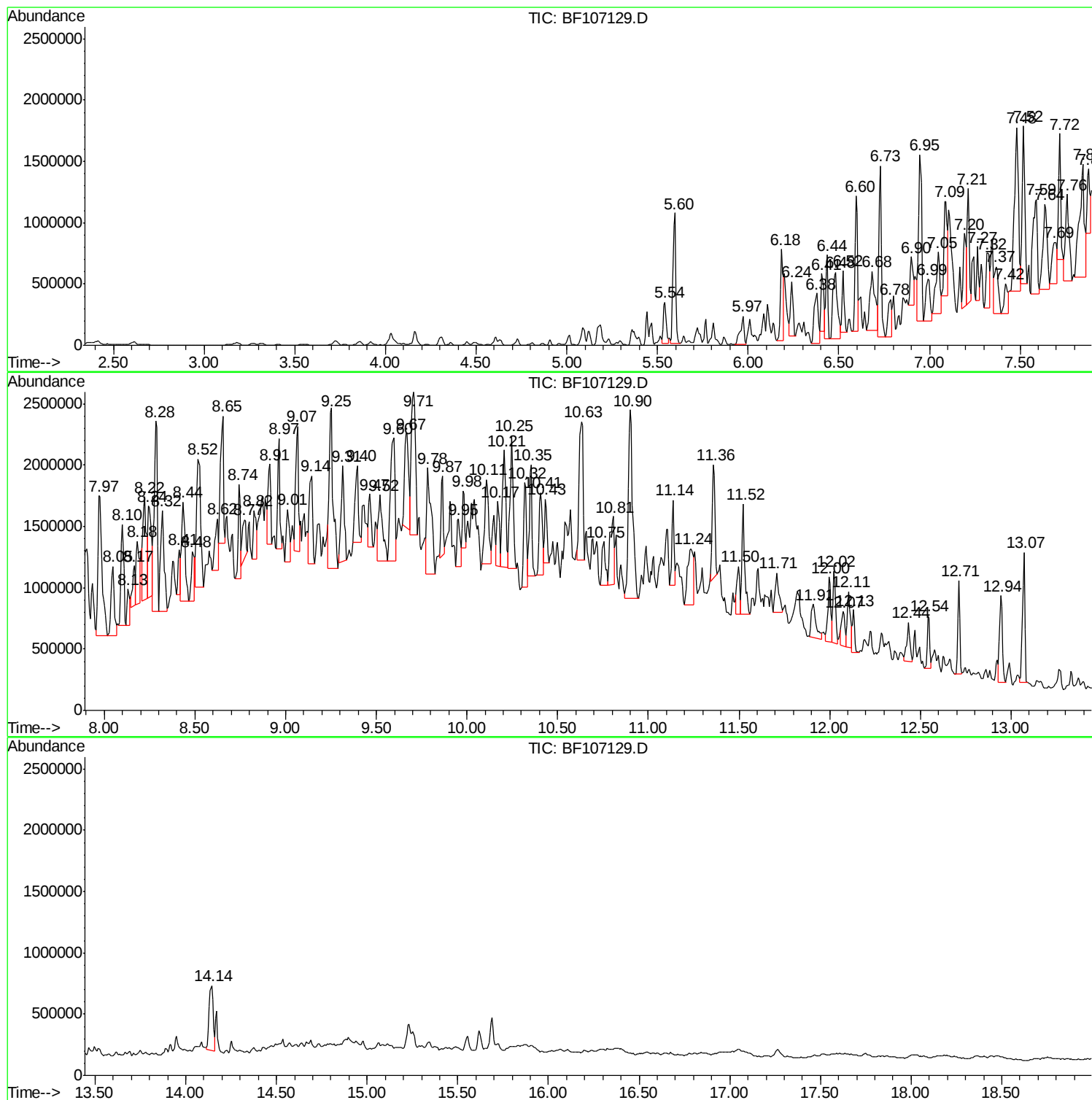
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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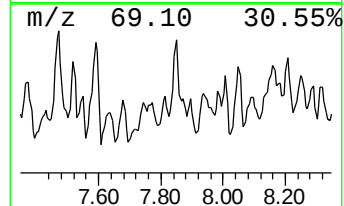
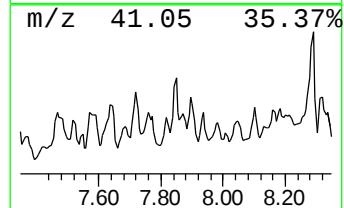
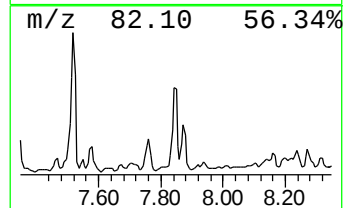
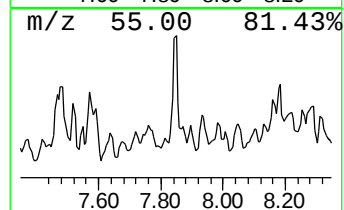
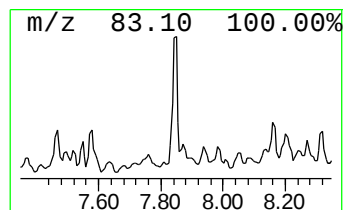
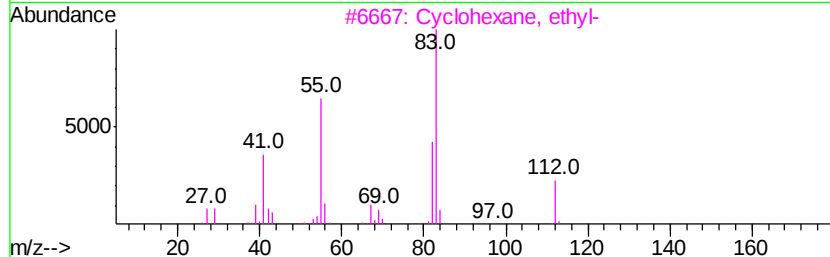
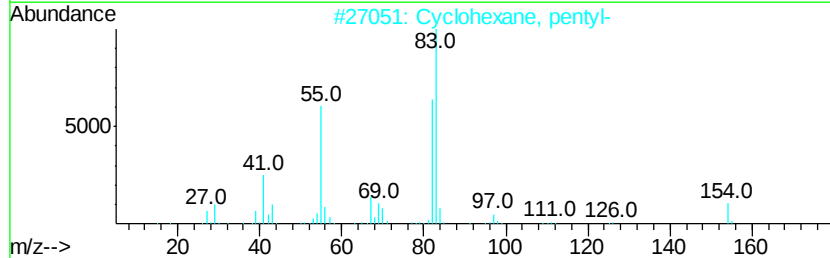
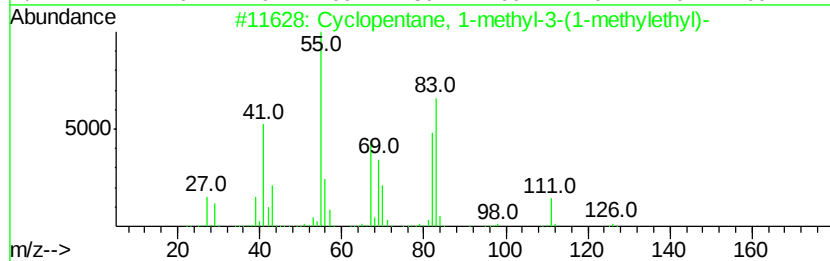
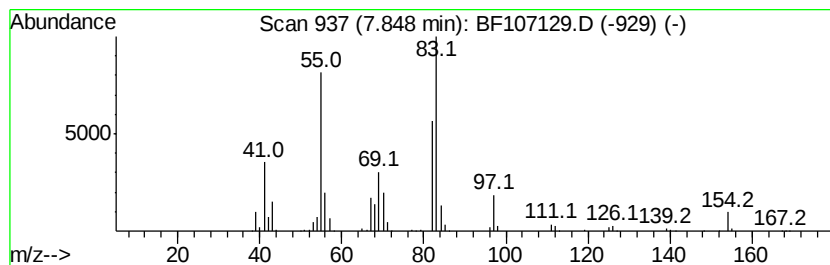
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclopentane, 1-methyl-3-(1... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	31.89 ng	1725170	Naphthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	80
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	59
5		Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	53



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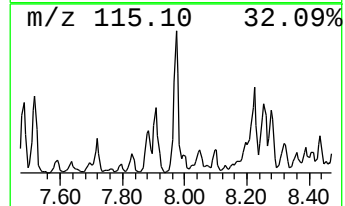
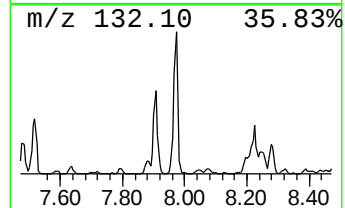
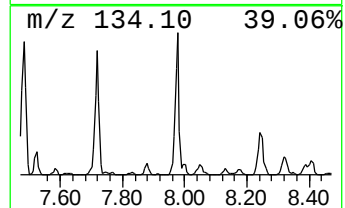
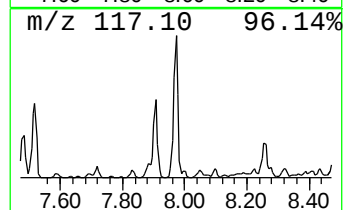
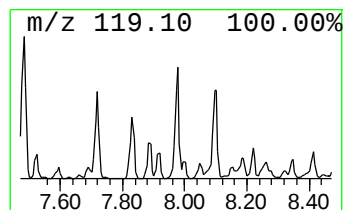
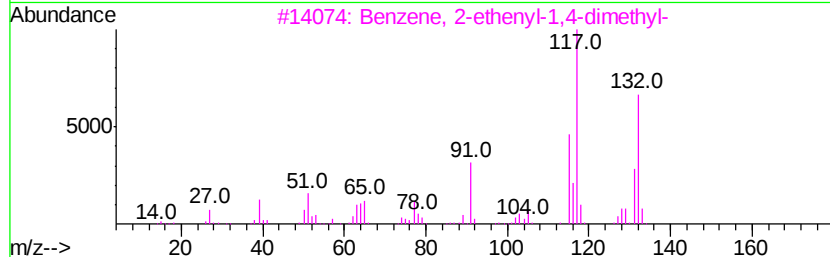
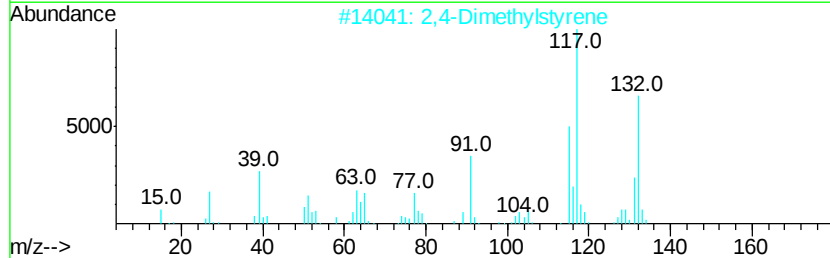
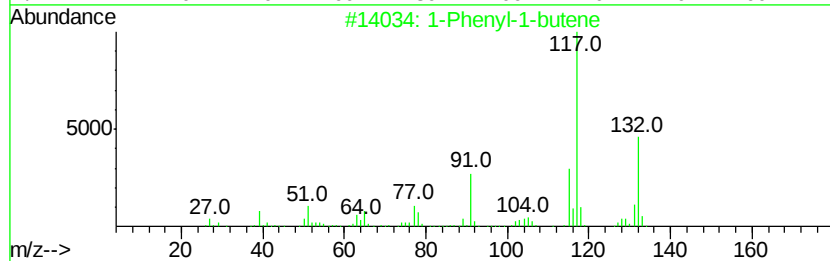
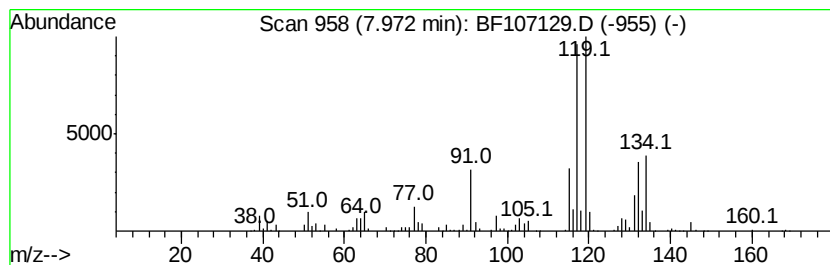
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Phenyl-1-butene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	31.94 ng	1727960	Napthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	50



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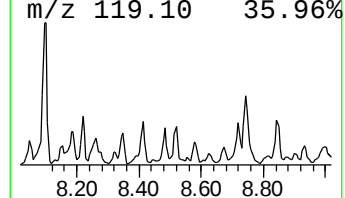
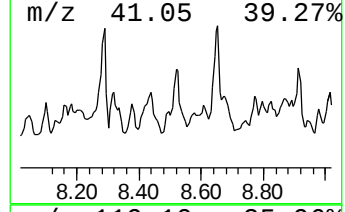
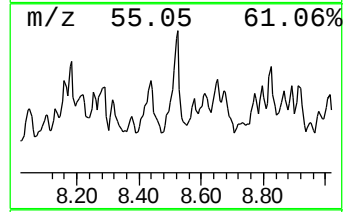
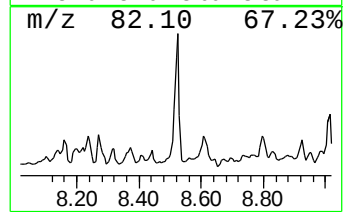
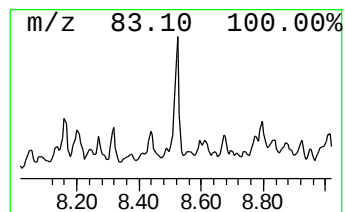
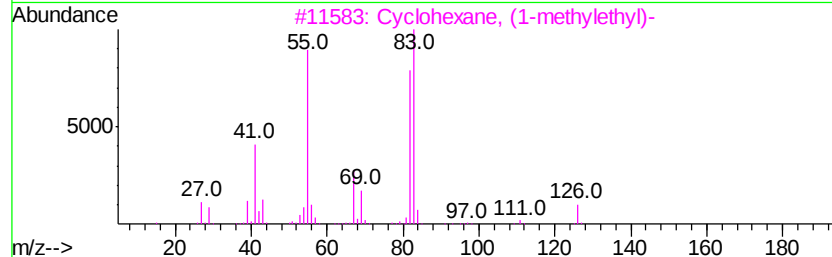
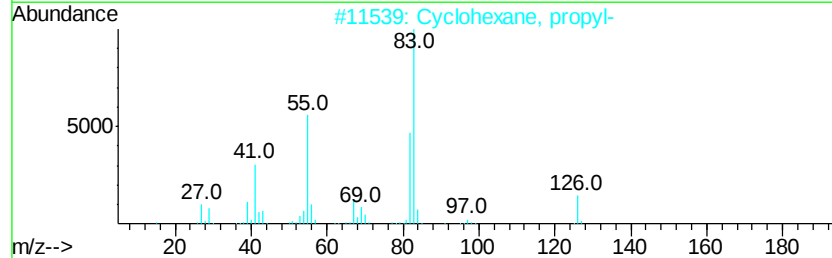
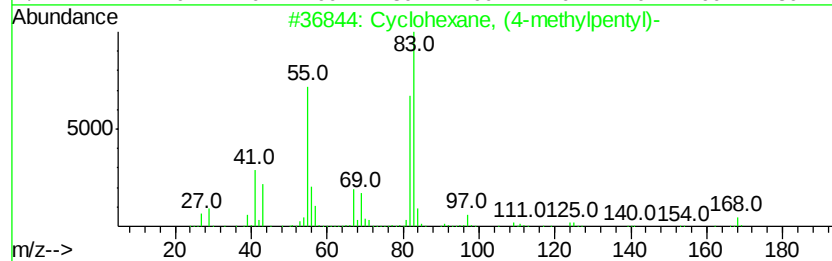
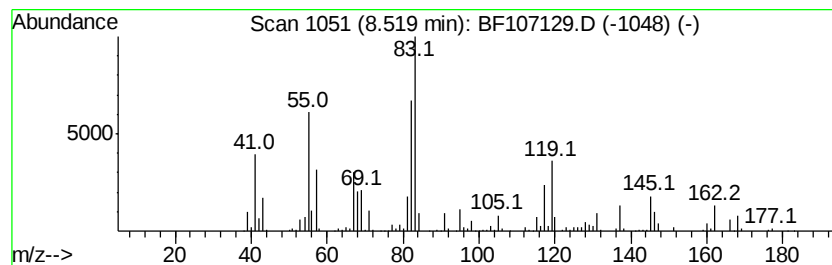
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown8.52 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	27.85 ng	1506670	Napthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	43
3		Cyclohexane, (1-methyl-ethyl)-	126	C9H18	000696-29-7	43
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	43
5		Sulfurous acid, dicyclohexyl ester	246	C12H22O3S	006214-17-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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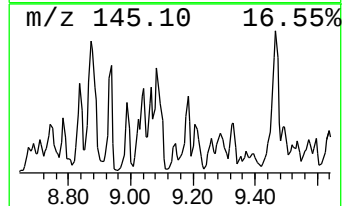
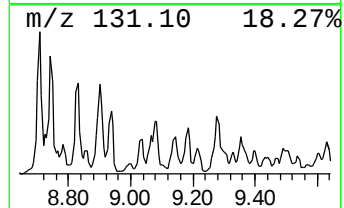
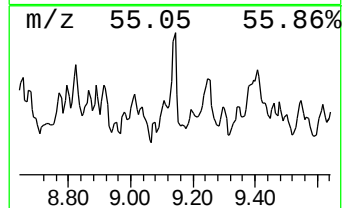
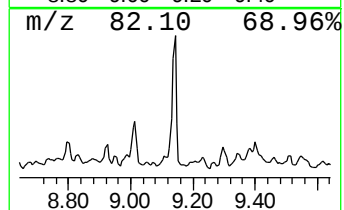
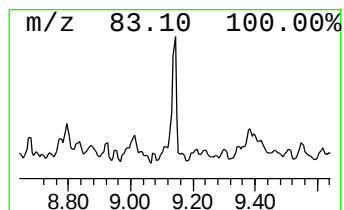
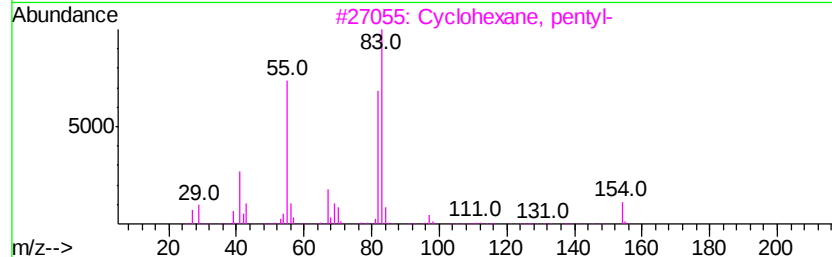
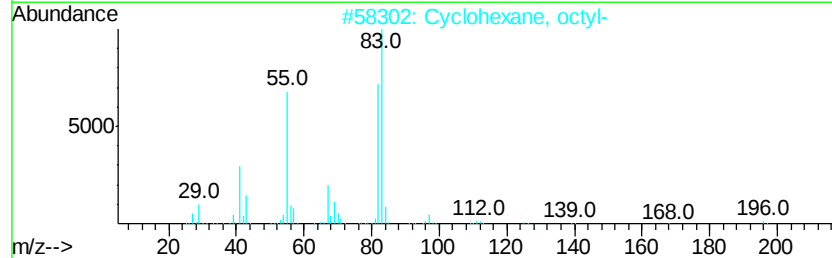
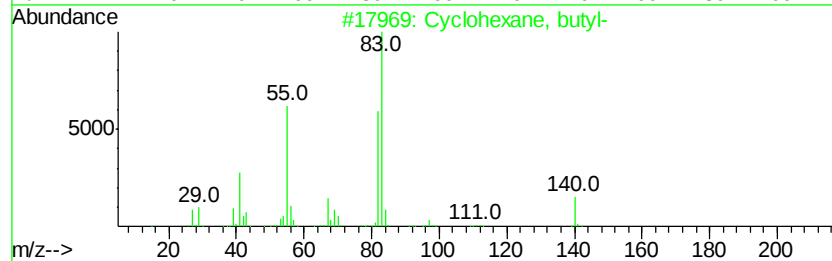
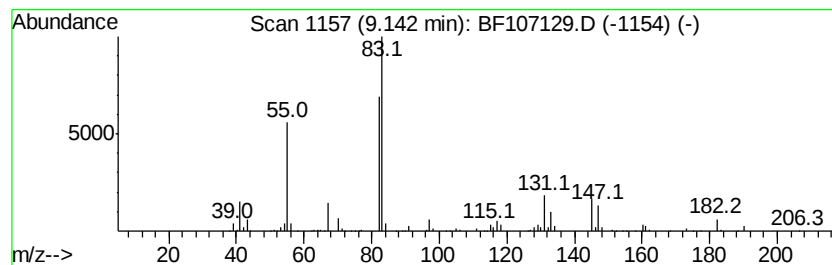
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	36.73 ng	812720	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	50
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	40
4		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	40
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
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ClientSampleId :
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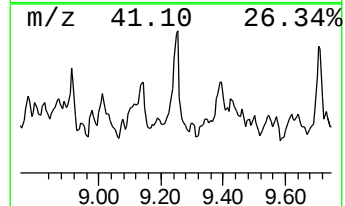
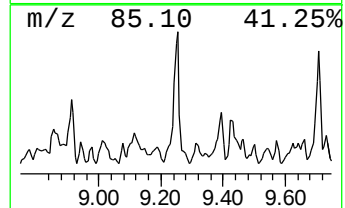
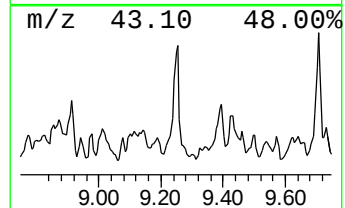
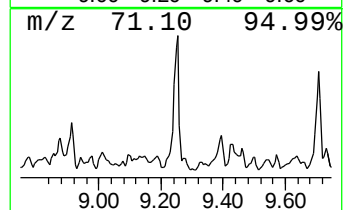
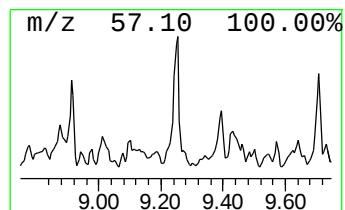
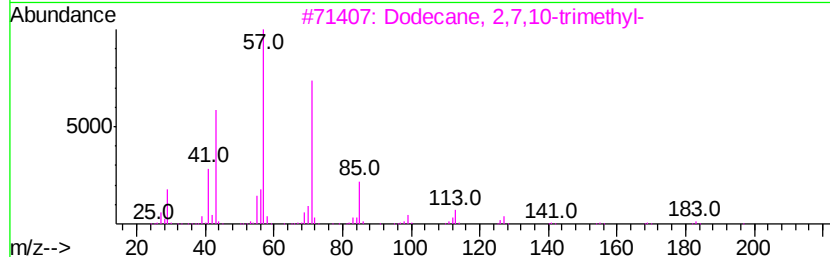
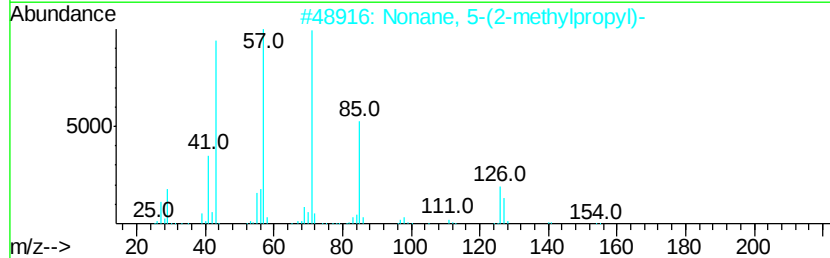
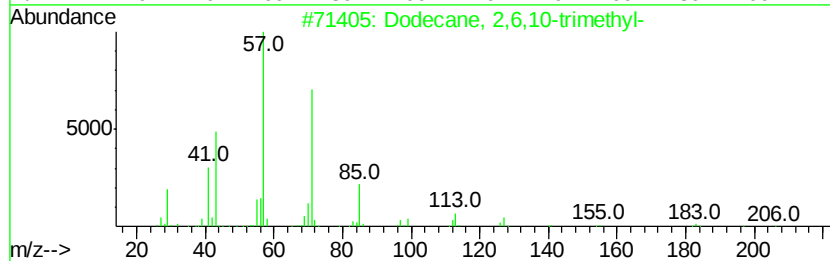
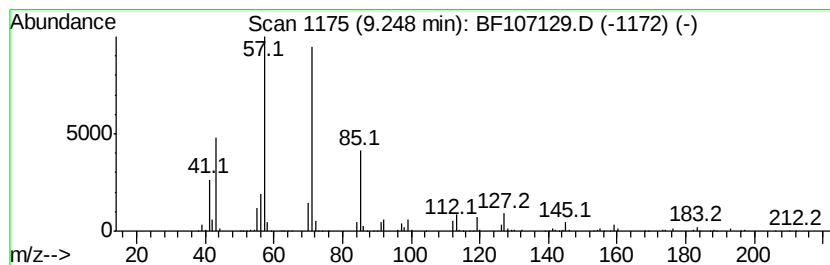
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dodecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	91.85 ng	2032160	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	72
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
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Instrument :
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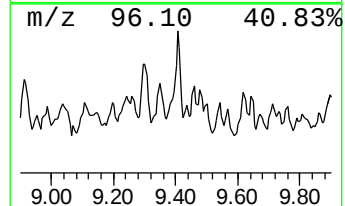
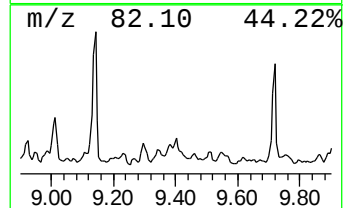
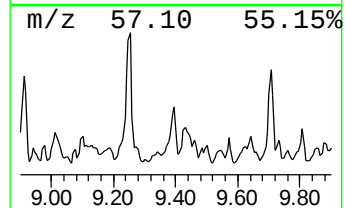
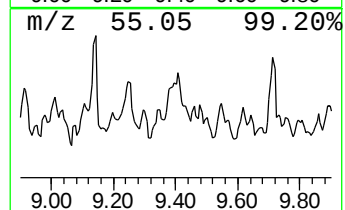
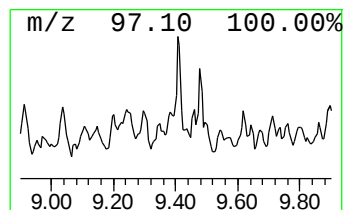
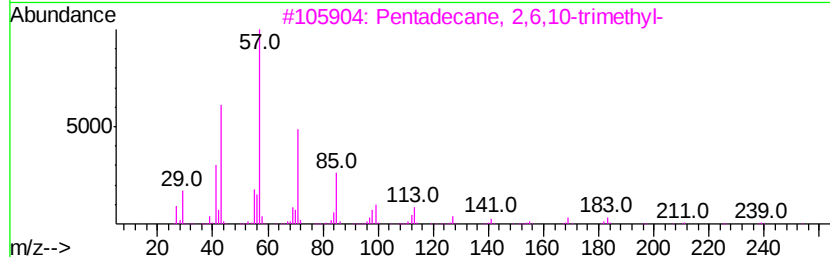
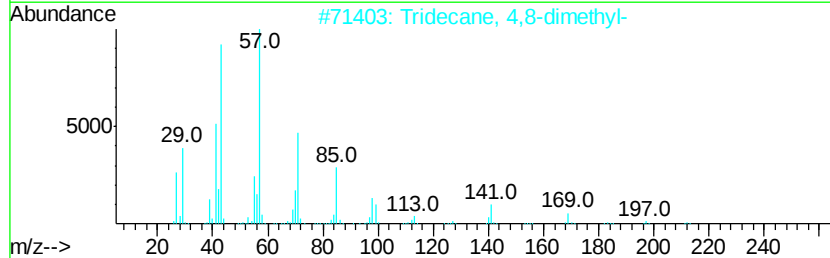
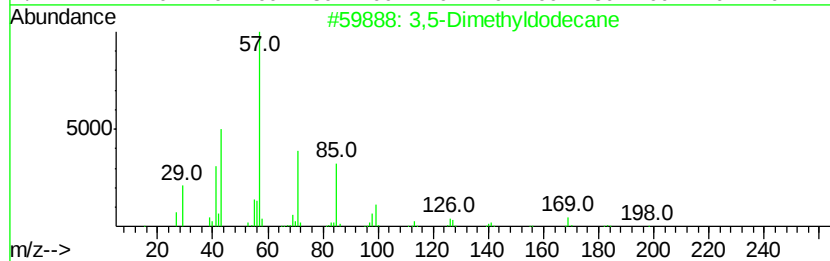
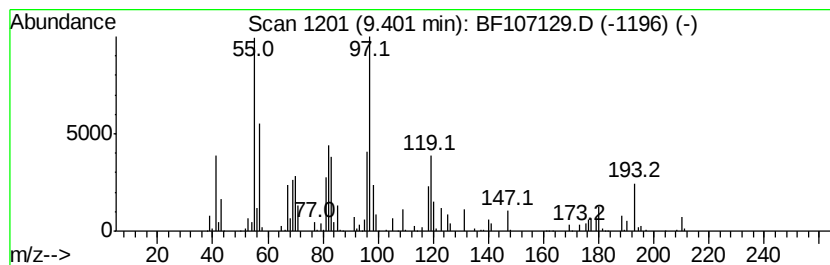
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown9.40 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	33.34 ng	737733	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	49
2		Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	47
3		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	47
4		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	46
5		10-Methylnonadecane	282	C20H42	056862-62-5	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
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Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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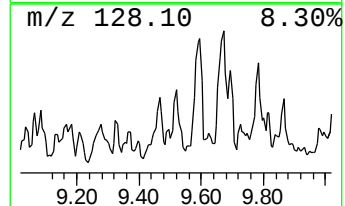
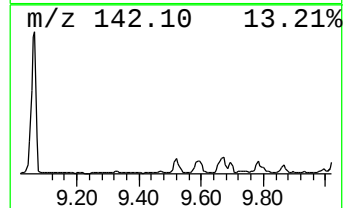
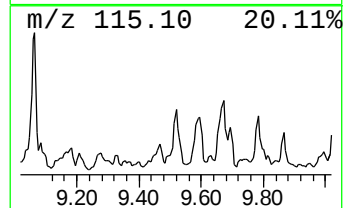
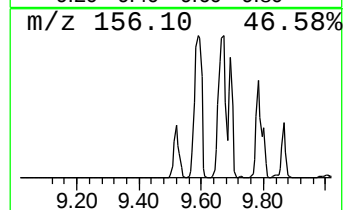
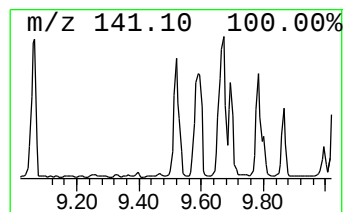
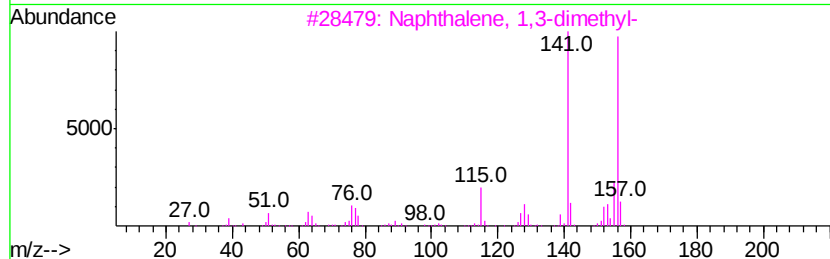
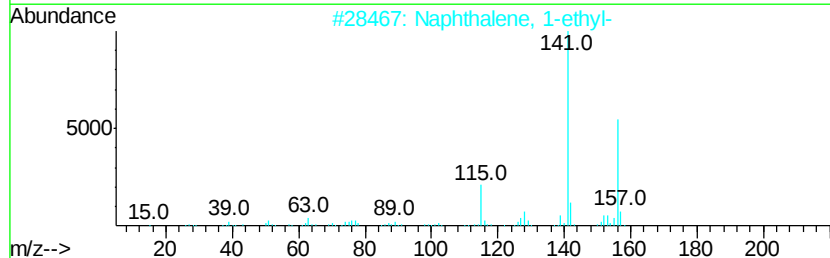
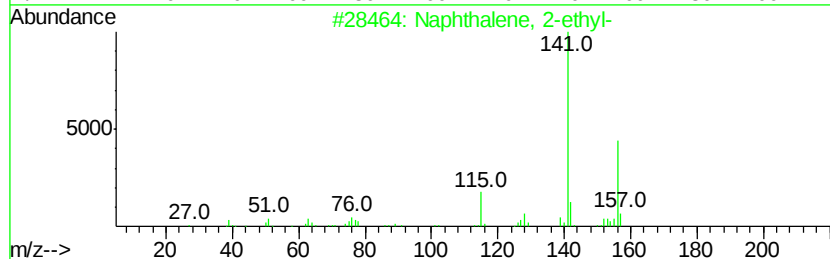
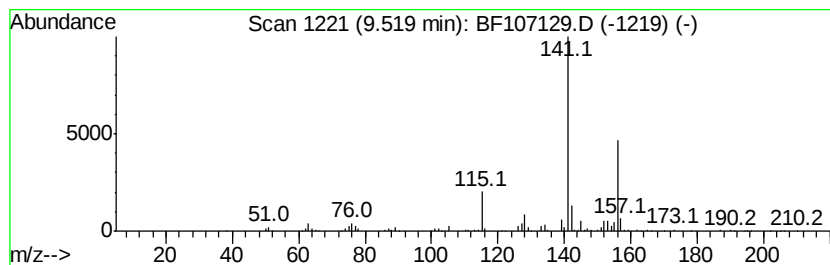
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	37.69 ng	834015	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
4		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5		3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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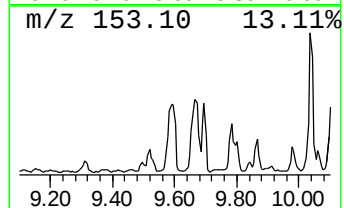
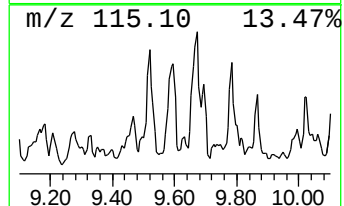
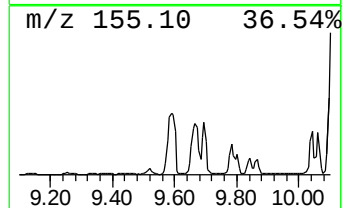
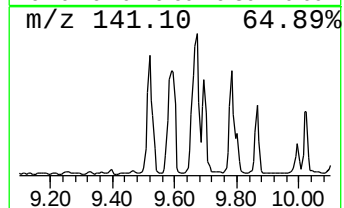
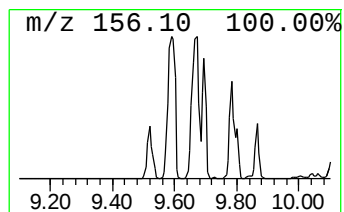
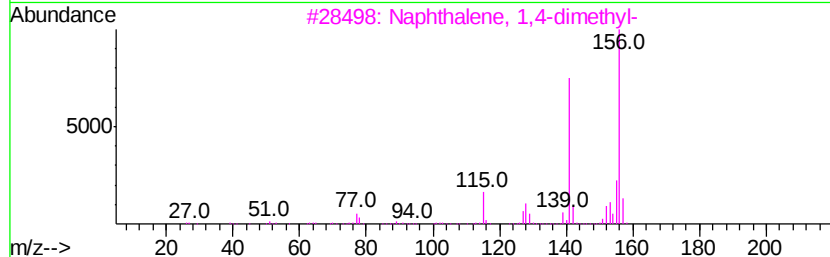
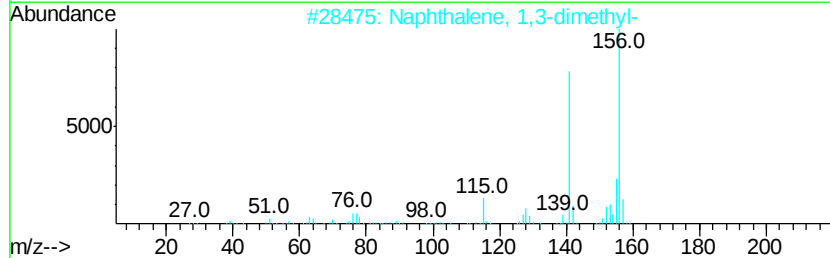
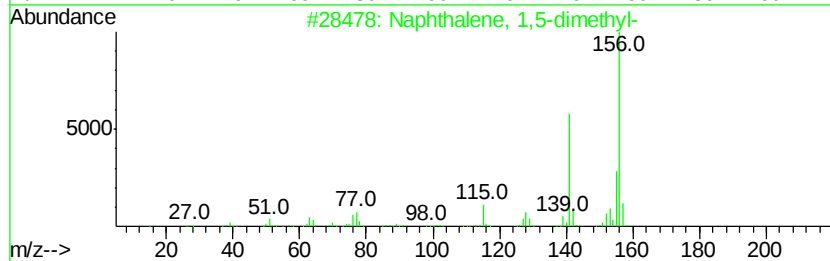
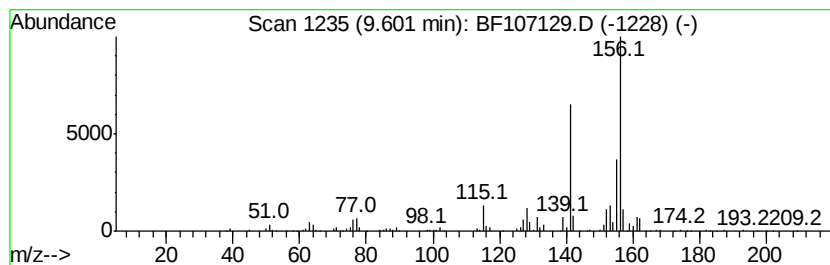
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	74.79 ng	1654690	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
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Instrument :
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ClientSampleId :
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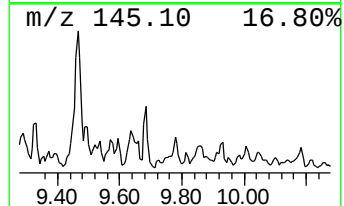
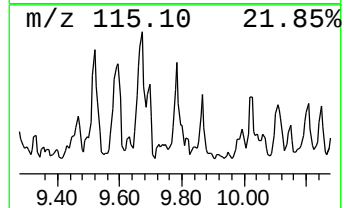
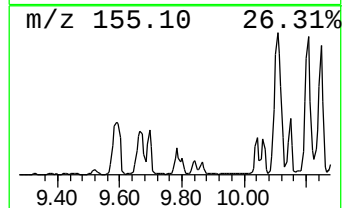
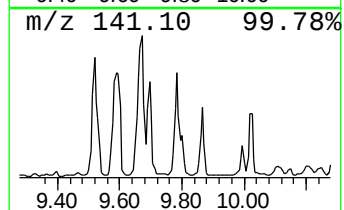
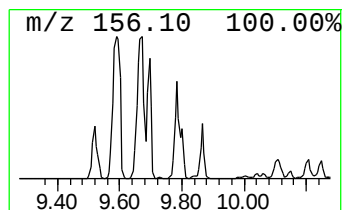
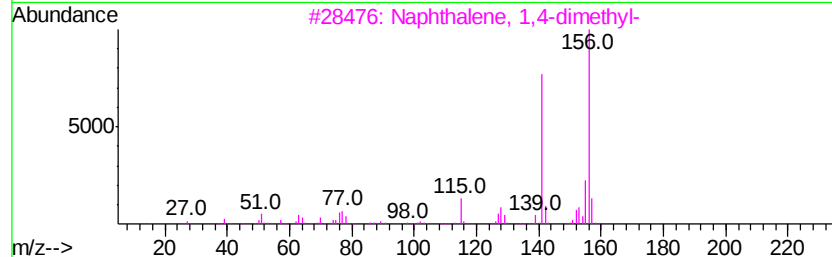
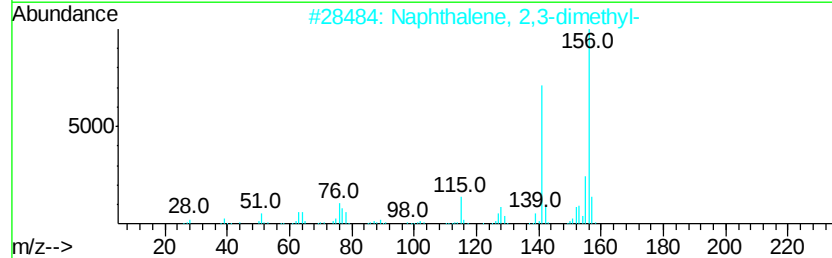
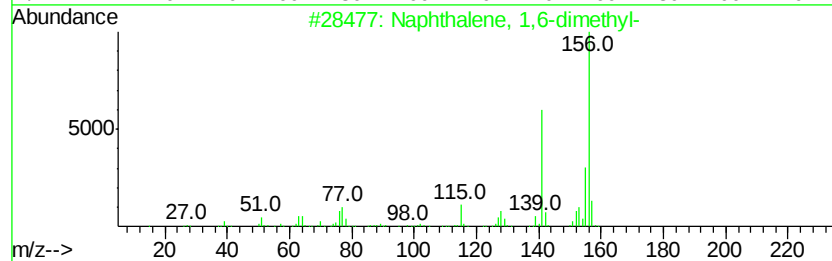
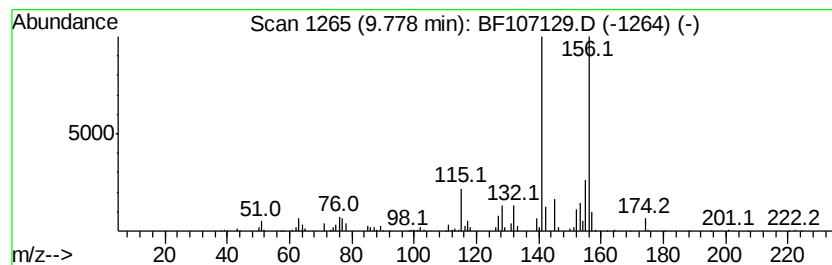
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	67.34 ng	1489930	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
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ClientSampleId :
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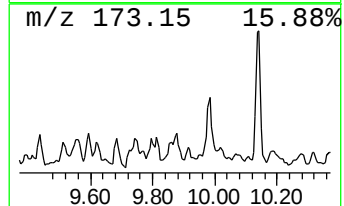
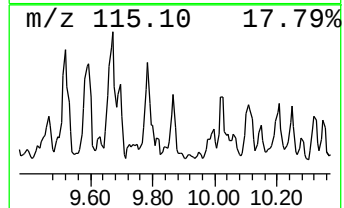
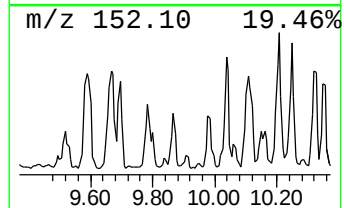
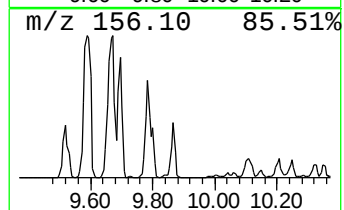
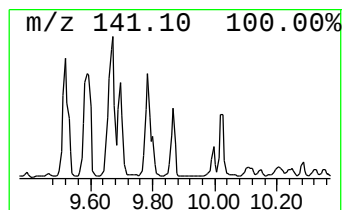
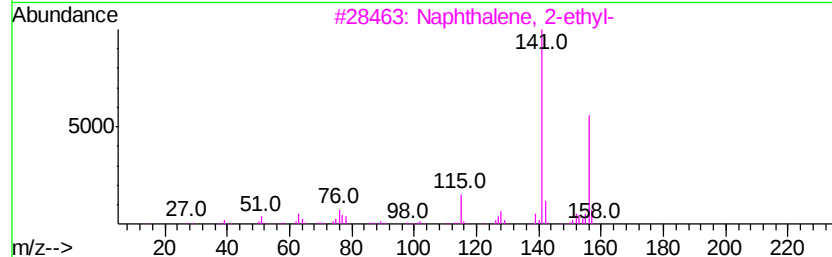
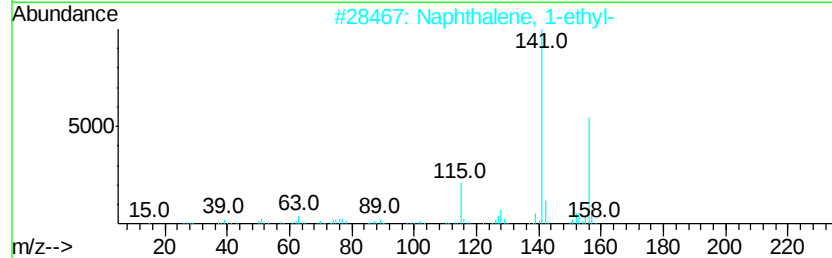
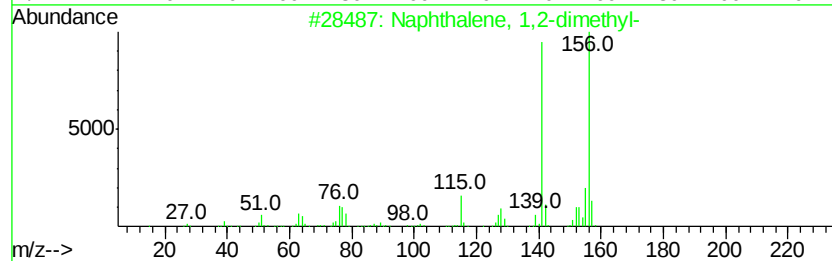
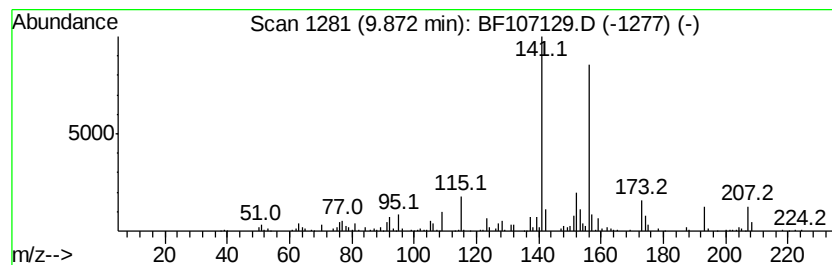
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,2-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	27.75 ng	613933	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	81
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	81
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

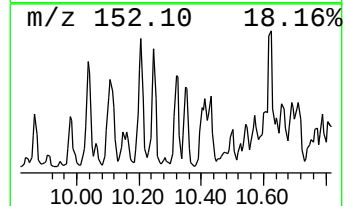
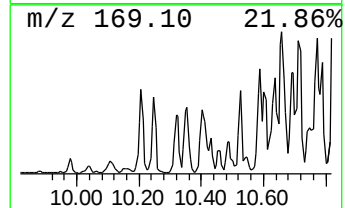
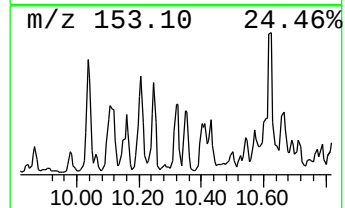
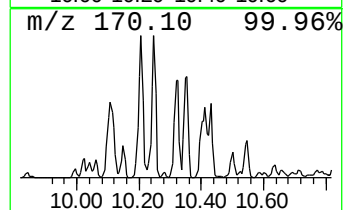
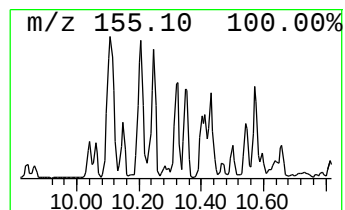
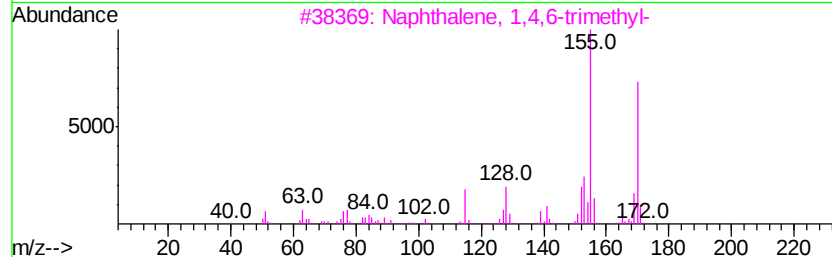
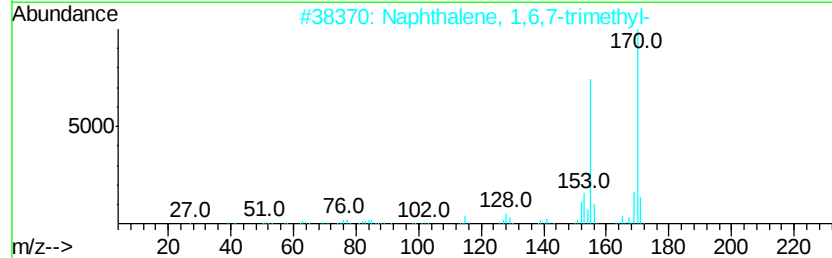
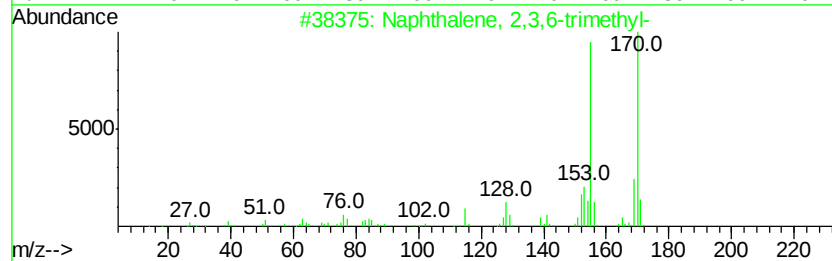
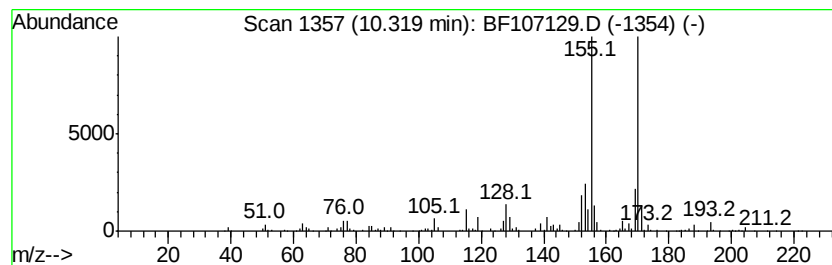
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.32	48.82 ng	1080260	Acenaphthene-d10		10.01	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7

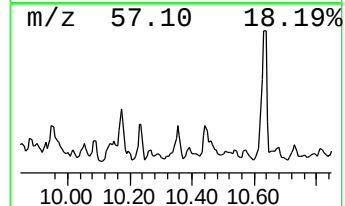
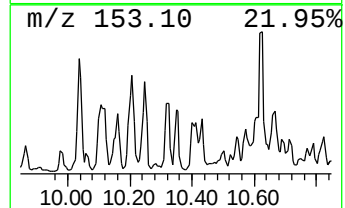
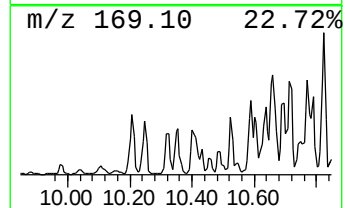
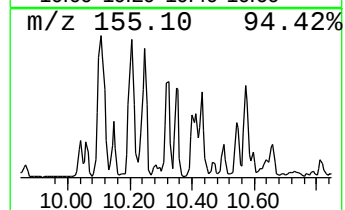
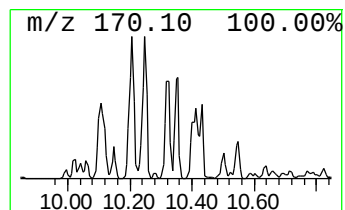
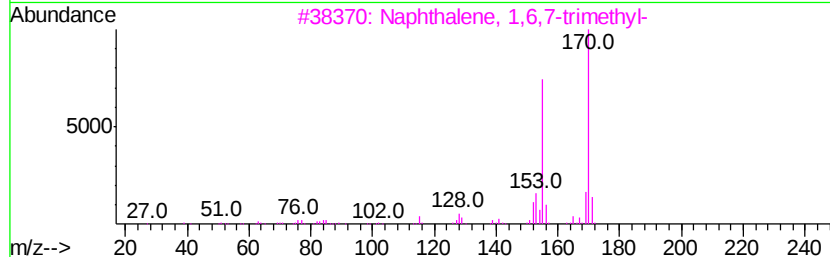
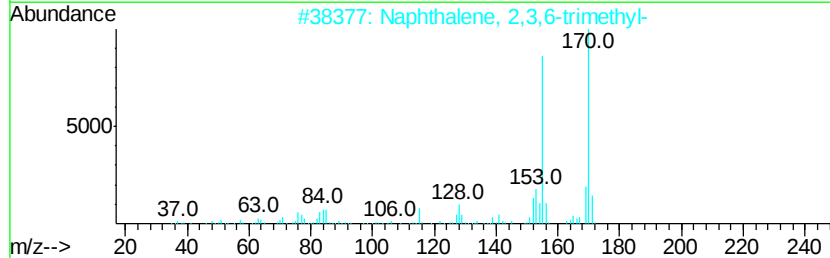
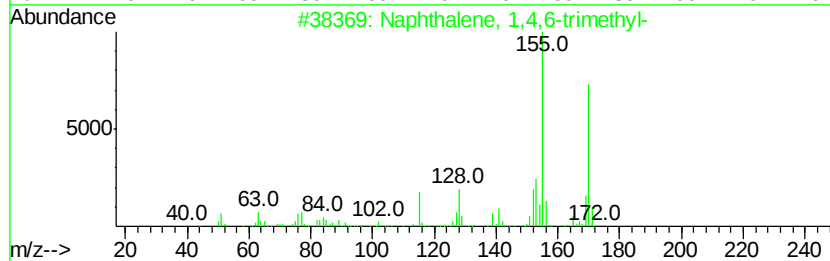
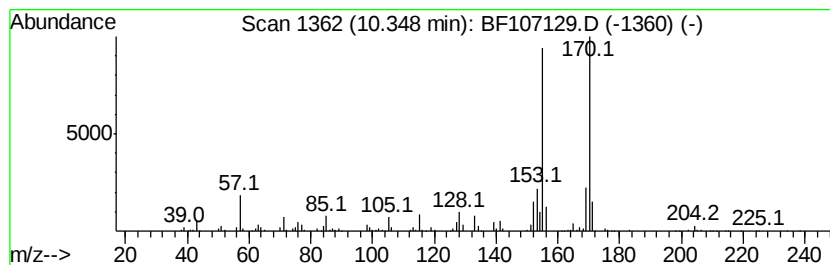
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	40.43 ng	894489	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
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Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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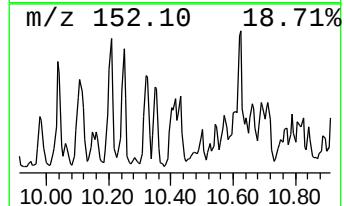
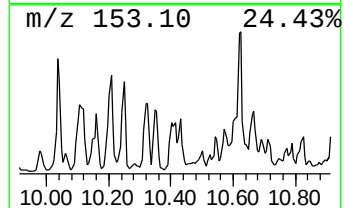
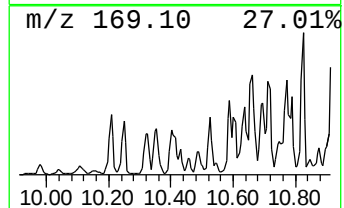
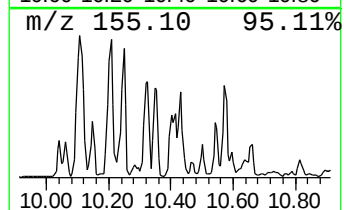
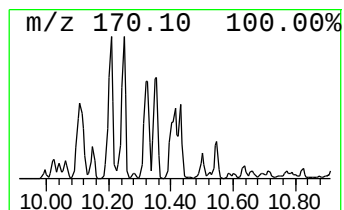
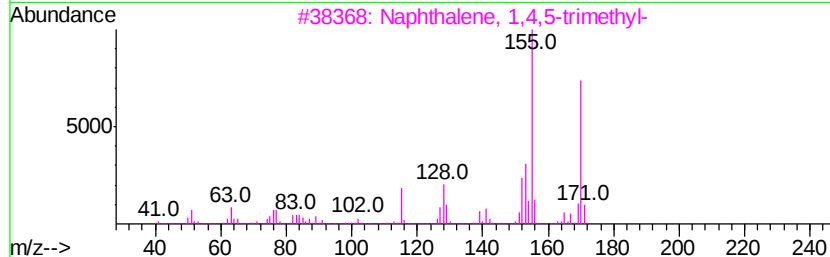
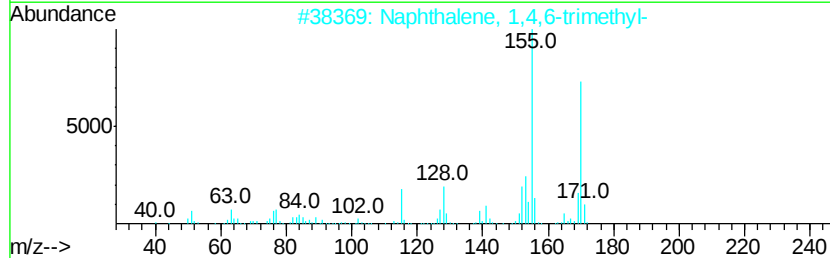
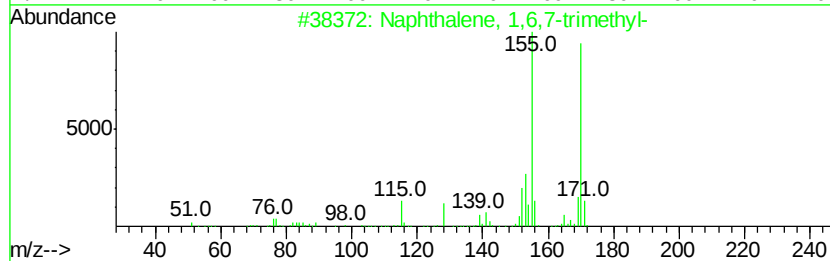
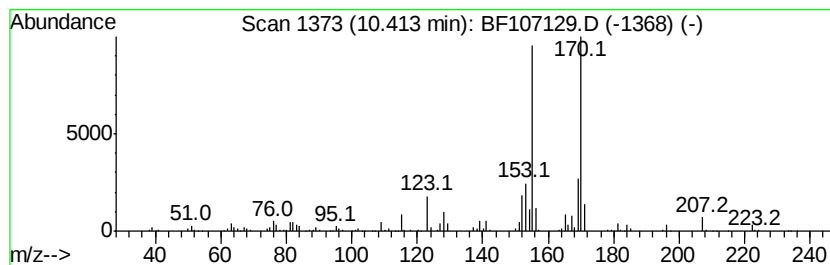
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	38.10 ng	843018	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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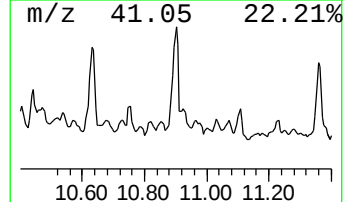
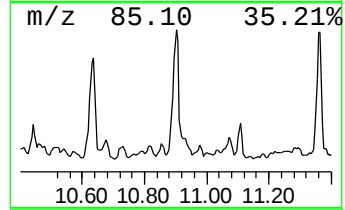
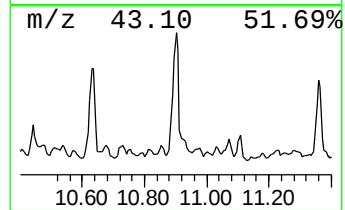
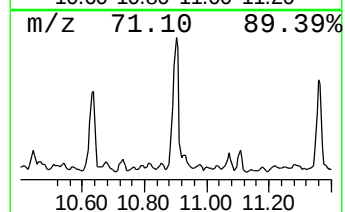
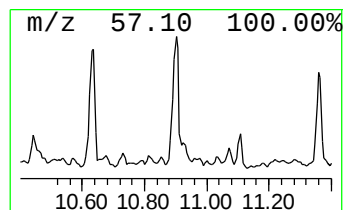
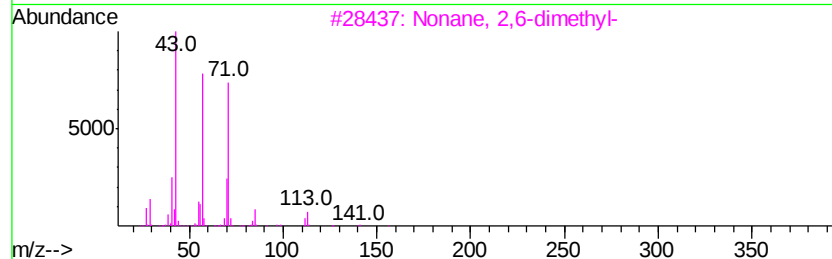
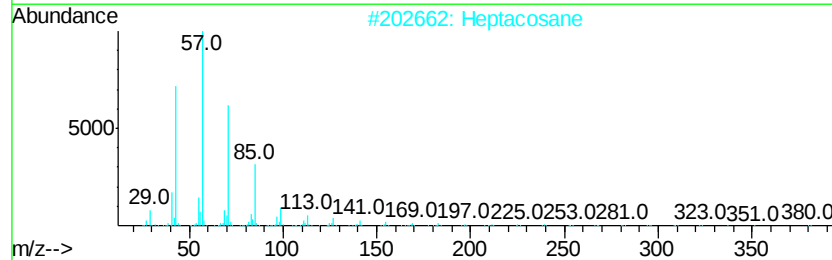
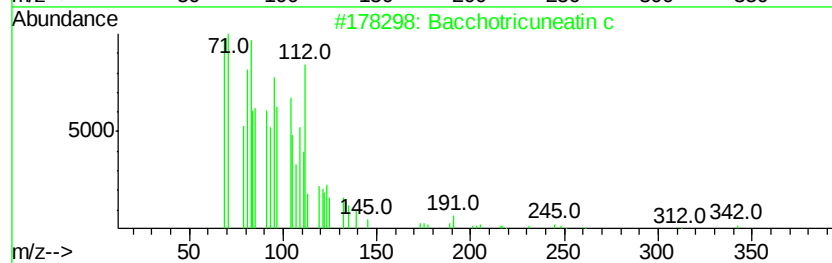
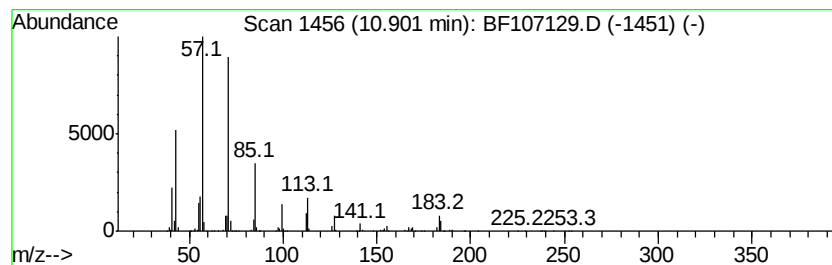
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Bacchotricuneatin c Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	139.73 ng	2665990	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	92
2		Heptacosane	380	C27H56	000593-49-7	72
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	68
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
5		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
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Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B-7

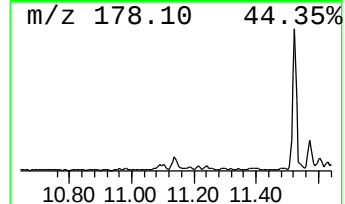
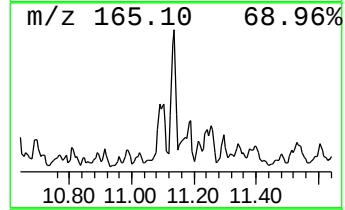
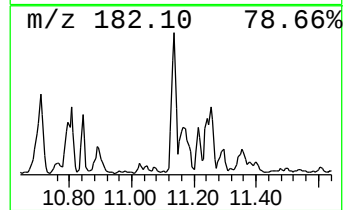
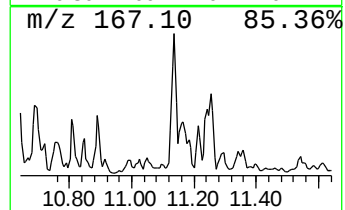
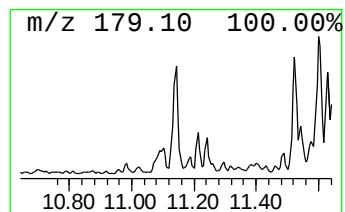
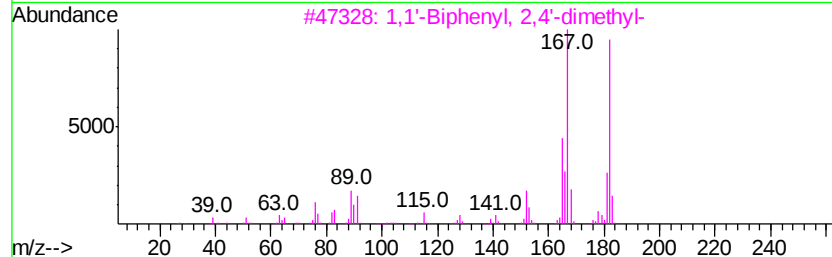
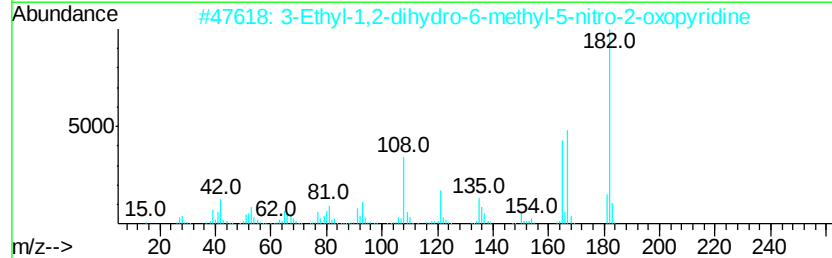
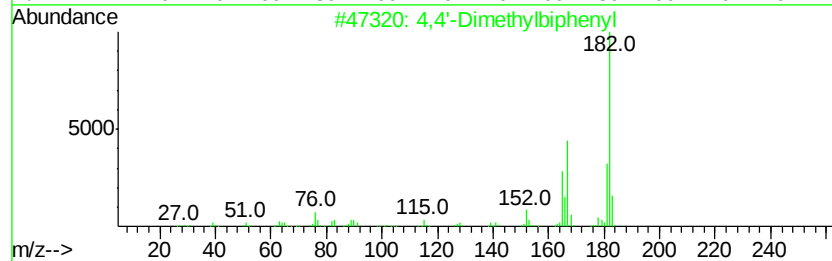
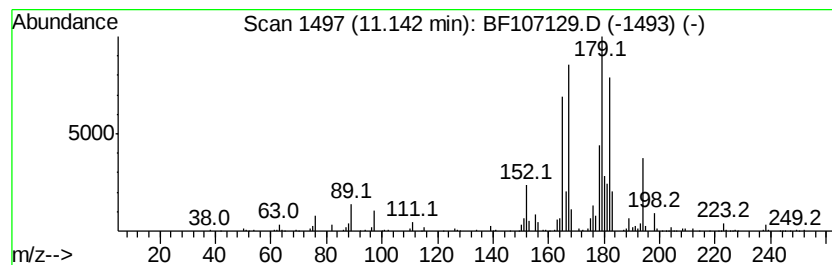
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 4,4'-Dimethylbiphenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	33.01 ng	629861	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	58
2		3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	52
3		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	49
4		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	49
5		Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
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Acq On : 5 Jul 2018 16:19
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Misc :
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ClientSampleId :
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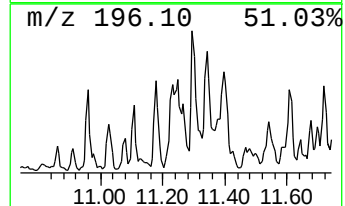
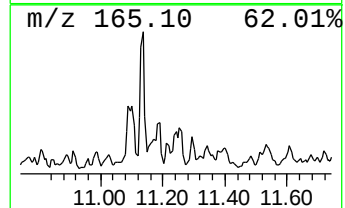
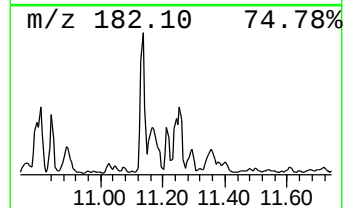
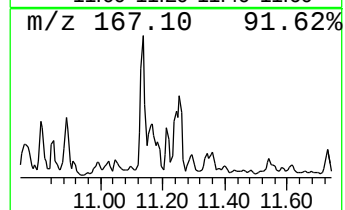
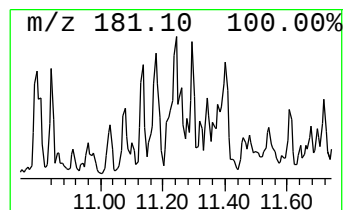
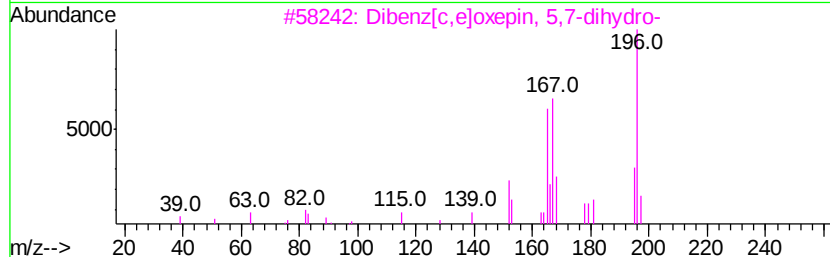
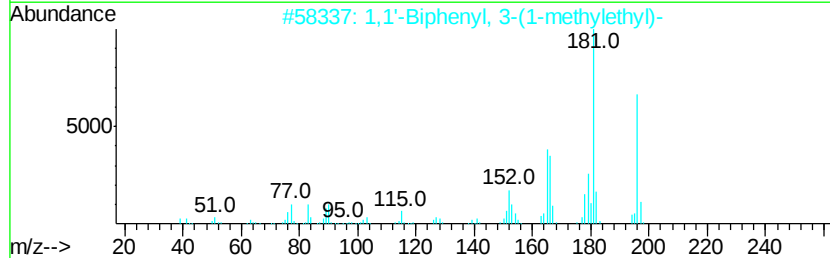
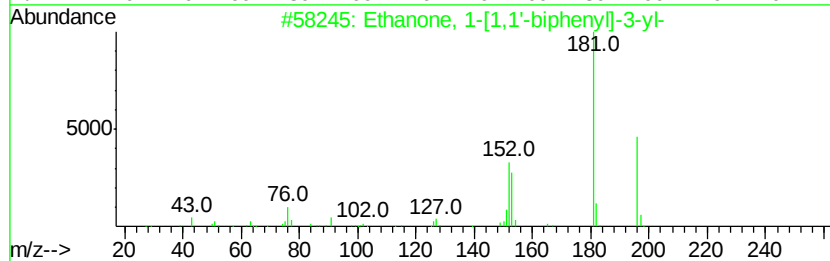
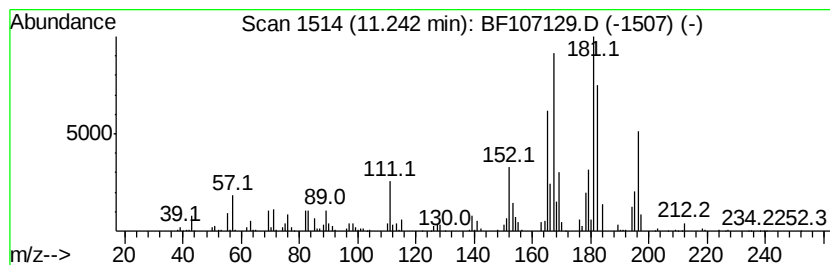
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Ethanone, 1-[1,1'-biphenyl]... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	52.55 ng	1002590	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-[1,1'-biphenyl]-3-yl-	196	C14H12O	003112-01-4	60
2		1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	55
3		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5		1,7-Dimethyl-3-phenyltricyclo[4.4.0]	196	C15H16	1000200-99-4	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
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Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7

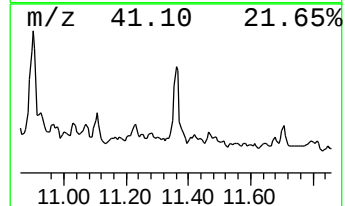
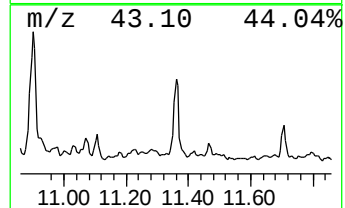
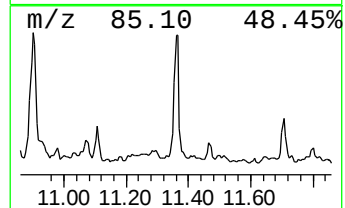
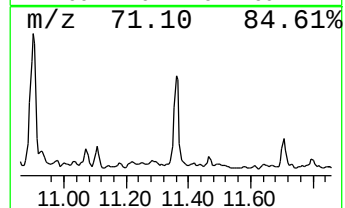
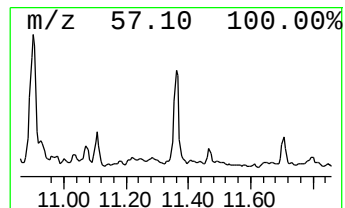
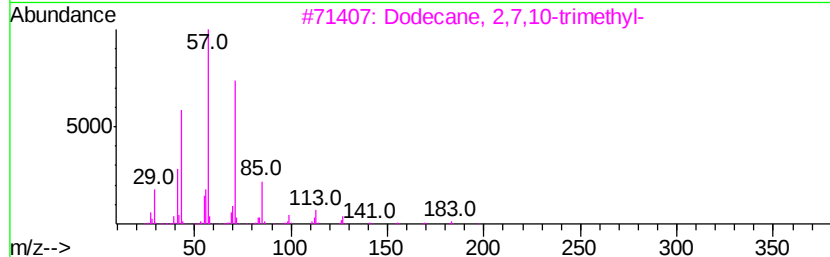
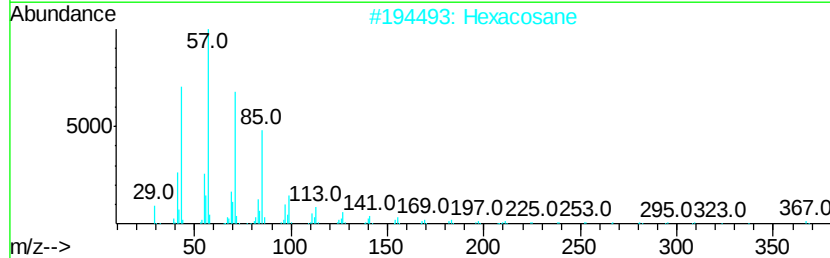
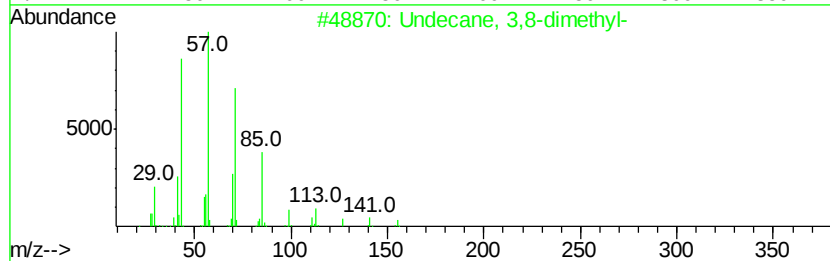
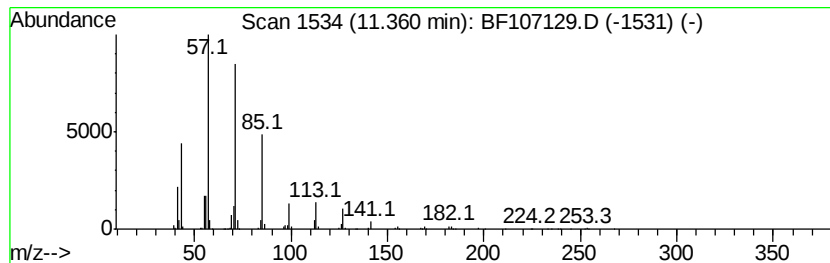
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Undecane, 3,8-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	49.89 ng	951991	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	83
2		Hexacosane	366	C26H54	000630-01-3	83
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Bacchotricuneatin c	342	C20H22O5	066563-30-2	59
5		Heneicosane	296	C21H44	000629-94-7	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7

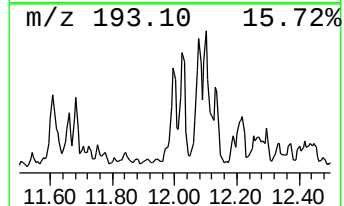
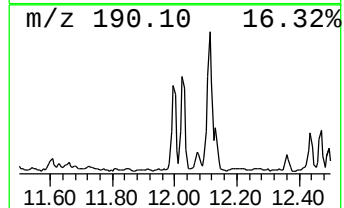
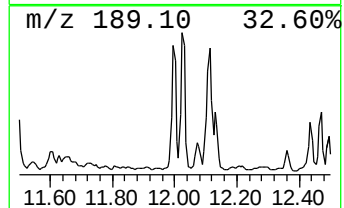
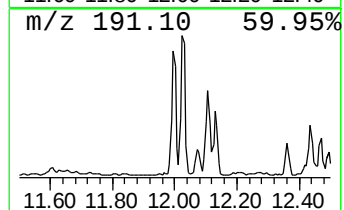
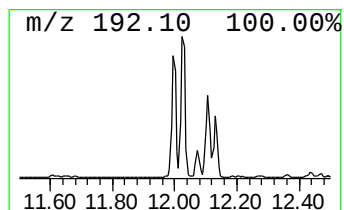
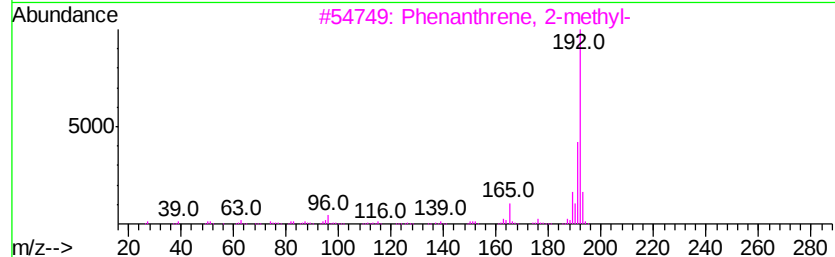
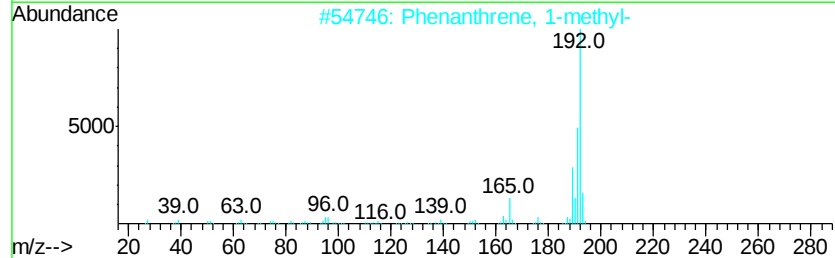
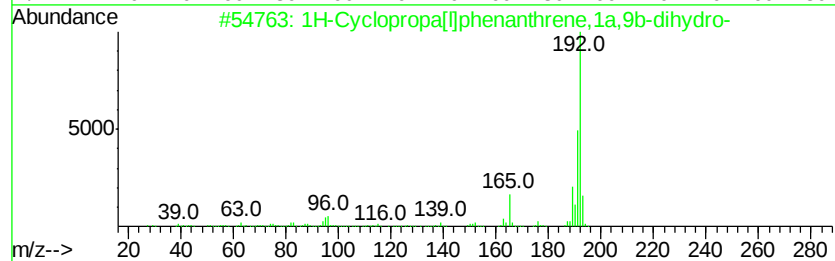
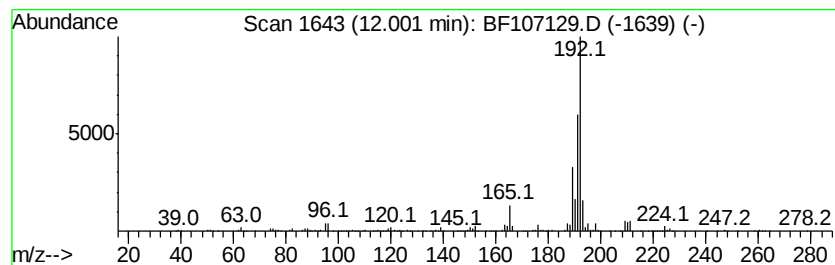
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	32.68 ng	623449	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B-7

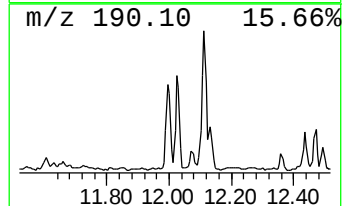
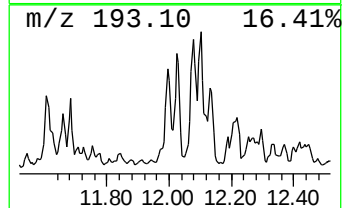
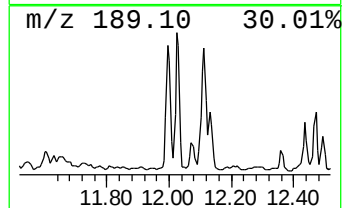
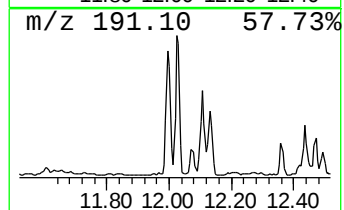
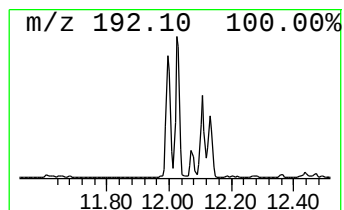
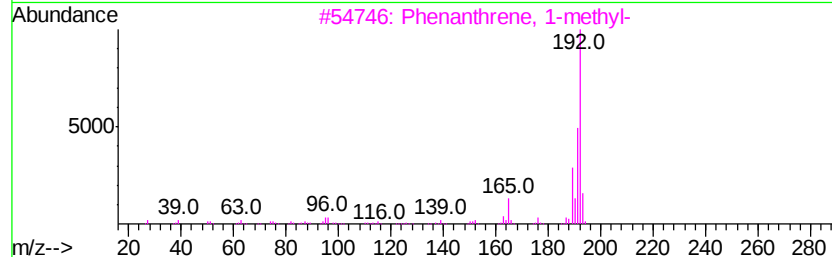
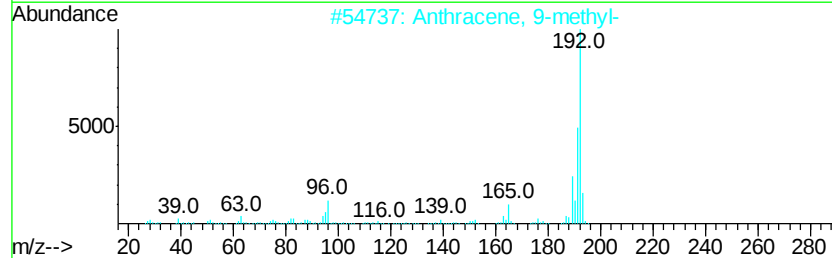
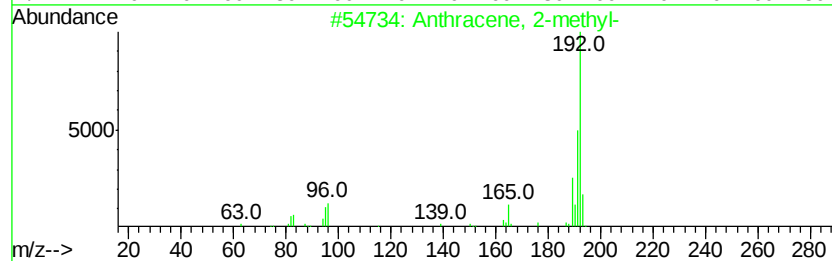
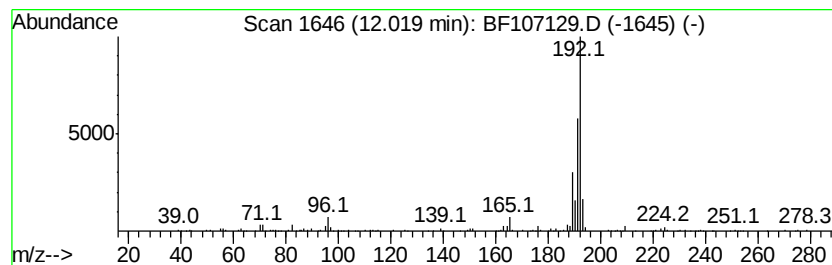
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	29.25 ng	558067	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7

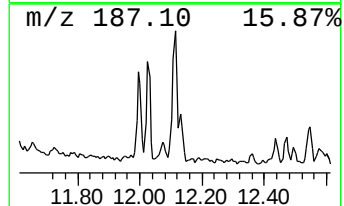
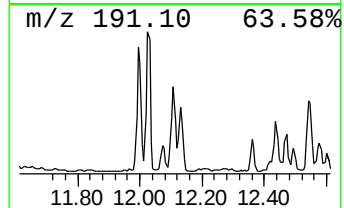
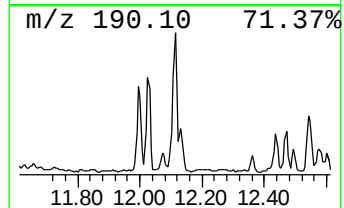
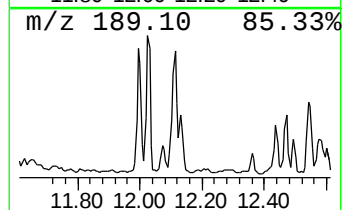
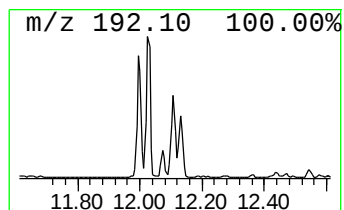
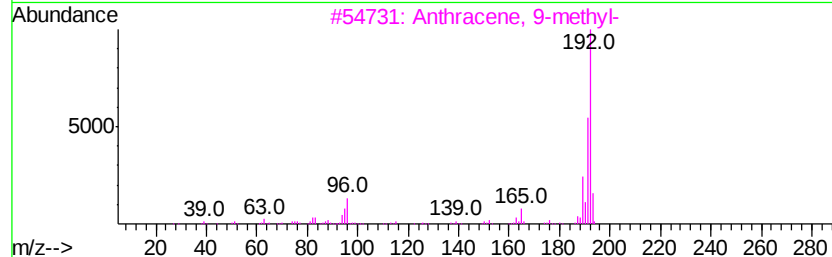
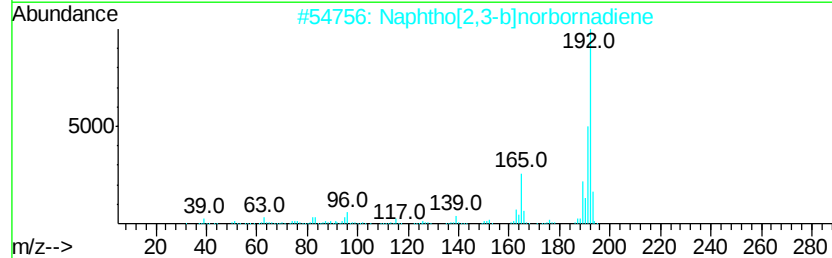
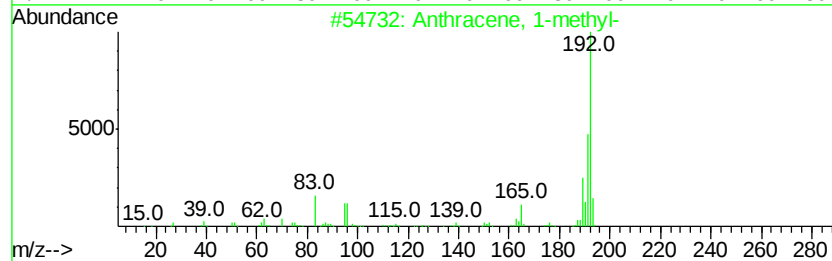
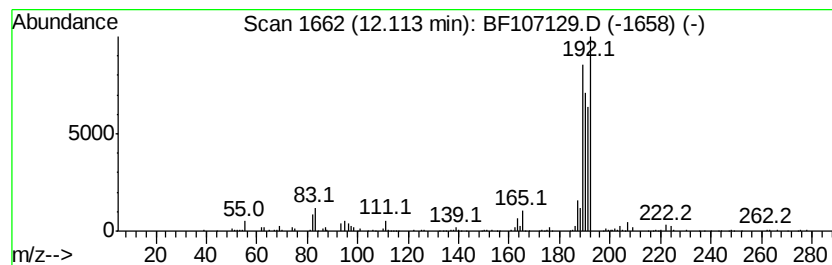
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	27.38 ng	522396	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
2		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	62
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	62
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	58
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070518\
 Data File : BF107129.D
 Acq On : 5 Jul 2018 16:19
 Operator : JU/SJ
 Sample : J3853-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclopentane, 1-m...	7.85	31.9	ng	1725170	2	8.24	1082030	20.0
1-Phenyl-1-butene	7.97	31.9	ng	1727960	2	8.24	1082030	20.0
unknown8.52	8.52	27.9	ng	1506670	2	8.24	1082030	20.0
Cyclohexane, butyl-	9.14	36.7	ng	812720	3	10.01	442510	20.0
Dodecane, 2,6,10-...	9.25	91.8	ng	2032160	3	10.01	442510	20.0
unknown9.40	9.40	33.3	ng	737733	3	10.01	442510	20.0
Naphthalene, 2-et...	9.52	37.7	ng	834015	3	10.01	442510	20.0
Naphthalene, 1,5-...	9.60	74.8	ng	1654690	3	10.01	442510	20.0
Naphthalene, 1,6-...	9.78	67.3	ng	1489930	3	10.01	442510	20.0
Naphthalene, 1,2-...	9.87	27.8	ng	613933	3	10.01	442510	20.0
Naphthalene, 2,3,...	10.32	48.8	ng	1080260	3	10.01	442510	20.0
Naphthalene, 1,4,...	10.35	40.4	ng	894489	3	10.01	442510	20.0
Naphthalene, 1,6,...	10.41	38.1	ng	843018	3	10.01	442510	20.0
Bacchotricuneatin c	10.90	139.7	ng	2665990	4	11.50	381604	20.0
4,4'-Dimethylbiph...	11.14	33.0	ng	629861	4	11.50	381604	20.0
Ethanone, 1-[1,1'...	11.24	52.5	ng	1002590	4	11.50	381604	20.0
Undecane, 3,8-dim...	11.36	49.9	ng	951991	4	11.50	381604	20.0
1H-Cyclopropa[1]p...	12.00	32.7	ng	623449	4	11.50	381604	20.0
Anthracene, 2-met...	12.02	29.3	ng	558067	4	11.50	381604	20.0
Anthracene, 1-met...	12.11	27.4	ng	522396	4	11.50	381604	20.0