

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
 Data File : BF110896.D
 Acq On : 20 Nov 2018 16:06
 Operator : JU/SJ
 Sample : J6003-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-05A

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-BF110818.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	2.234	20	25	33	rVB	90319	126333	7.90%	0.436%
2	5.563	587	591	605	rVV	1358658	1381548	86.43%	4.772%
3	6.169	690	694	701	rBV2	43188	71852	4.50%	0.248%
4	6.416	731	736	740	rBV4	88543	123623	7.73%	0.427%
5	6.569	758	762	775	rVB	1454919	1509463	94.43%	5.214%
6	6.710	782	786	791	rVB	1818566	1524046	95.34%	5.264%
7	6.939	821	825	829	rBV2	397802	357972	22.39%	1.236%
8	7.092	848	851	858	rVB	1175263	1205457	75.41%	4.164%
9	7.181	863	866	867	rBV	110342	99997	6.26%	0.345%
10	7.257	876	879	884	rVB2	73283	99776	6.24%	0.345%
11	7.463	908	914	917	rVV	401938	353421	22.11%	1.221%
12	7.504	917	921	928	rVV	943228	1019284	63.77%	3.521%
13	7.616	936	940	945	rBV4	54449	70611	4.42%	0.244%
14	7.698	952	954	958	rVB	198547	170607	10.67%	0.589%
15	7.816	969	974	978	rBV4	77657	120387	7.53%	0.416%
16	7.857	978	981	983	rBV2	51095	71077	4.45%	0.246%
17	7.886	984	986	989	rVB3	98674	84557	5.29%	0.292%
18	7.951	993	997	1000	rBV	307368	305310	19.10%	1.055%
19	7.981	1000	1002	1006	rVB2	61593	69082	4.32%	0.239%
20	8.028	1006	1010	1014	rBV2	69155	66339	4.15%	0.229%
21	8.081	1016	1019	1022	rVB	135227	111514	6.98%	0.385%
22	8.204	1034	1040	1041	rBV	143344	191364	11.97%	0.661%
23	8.222	1041	1043	1047	rVV	566932	514132	32.16%	1.776%
24	8.263	1047	1050	1053	rVB	283736	262570	16.43%	0.907%
25	8.298	1053	1056	1063	rVB3	127225	139607	8.73%	0.482%
26	8.416	1073	1076	1081	rVB2	70793	81235	5.08%	0.281%
27	8.463	1081	1084	1087	rBV4	61374	88257	5.52%	0.305%
28	8.498	1087	1090	1094	rVB4	183615	220520	13.80%	0.762%
29	8.539	1094	1097	1100	rBV4	50181	67255	4.21%	0.232%
30	8.598	1103	1107	1109	rBV	135521	140023	8.76%	0.484%
31	8.622	1109	1111	1113	rVB	268459	178949	11.19%	0.618%
32	8.680	1119	1121	1124	rVB	91548	85283	5.34%	0.295%
33	8.722	1124	1128	1130	rBV3	139168	148301	9.28%	0.512%
34	8.810	1139	1143	1145	rBV3	89964	119405	7.47%	0.412%

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35	8.886	1153	1156	1162	rVB4	125975	175636	10.99%	0.607%
36	8.939	1162	1165	1167	rBV	136863	119289	7.46%	0.412%
37	9.039	1179	1182	1187	rVV2	290804	329311	20.60%	1.137%
38	9.075	1187	1188	1190	rVV2	67331	60014	3.75%	0.207%
39	9.116	1192	1195	1199	rVB4	125931	139370	8.72%	0.481%
40	9.157	1199	1202	1205	rBV2	73262	84812	5.31%	0.293%
41	9.222	1211	1213	1216	rBV	327096	251813	15.75%	0.870%
42	9.298	1222	1226	1229	rBV	1776987	1598479	100.00%	5.521%
43	9.369	1234	1238	1242	rBV3	143394	168132	10.52%	0.581%
44	9.404	1242	1244	1246	rBV3	77191	77590	4.85%	0.268%
45	9.439	1248	1250	1253	rVB4	118409	101052	6.32%	0.349%
46	9.569	1266	1272	1276	rBV3	229392	397011	24.84%	1.371%
47	9.639	1280	1284	1286	rVV	316457	327016	20.46%	1.130%
48	9.680	1286	1291	1295	rVB3	651542	737236	46.12%	2.547%
49	9.757	1302	1304	1312	rVB5	183710	318508	19.93%	1.100%
50	9.839	1315	1318	1322	rVV3	176069	207845	13.00%	0.718%
51	9.880	1323	1325	1328	rVB2	140108	117114	7.33%	0.405%
52	9.927	1331	1333	1336	rBV2	84582	92355	5.78%	0.319%
53	9.957	1336	1338	1340	rBV2	118481	100561	6.29%	0.347%
54	9.980	1340	1342	1347	rVV2	437651	447164	27.97%	1.545%
55	10.080	1356	1359	1363	rBV	154302	181242	11.34%	0.626%
56	10.151	1369	1371	1373	rVB2	106976	75881	4.75%	0.262%
57	10.180	1373	1376	1380	rBV2	248679	256731	16.06%	0.887%
58	10.222	1380	1383	1392	rVB3	336732	458185	28.66%	1.583%
59	10.298	1392	1396	1399	rBV	230993	296331	18.54%	1.024%
60	10.327	1399	1401	1405	rVB2	228376	208709	13.06%	0.721%
61	10.386	1407	1411	1413	rBV2	204208	238987	14.95%	0.825%
62	10.416	1413	1416	1419	rVB2	86181	117267	7.34%	0.405%
63	10.539	1432	1437	1442	rVB7	161369	311910	19.51%	1.077%
64	10.610	1445	1449	1452	rBV2	582144	627782	39.27%	2.168%
65	10.633	1452	1453	1456	rVB2	86670	69472	4.35%	0.240%
66	10.692	1461	1463	1467	rVB2	85123	71657	4.48%	0.248%
67	10.733	1467	1470	1474	rVB3	93852	93158	5.83%	0.322%
68	10.780	1474	1478	1481	rBV	935792	983500	61.53%	3.397%
69	10.874	1490	1494	1502	rVB	892734	1078710	67.48%	3.726%
70	10.969	1507	1510	1513	rVV2	77729	83518	5.22%	0.288%
71	11.110	1532	1534	1537	rBV3	189735	184015	11.51%	0.636%

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72	11.192	1546	1548	1550	rBV2	92438	104273	6.52%	0.360%
73	11.339	1570	1573	1576	rBV	482310	402382	25.17%	1.390%
74	11.480	1594	1597	1599	rBV	460738	396016	24.77%	1.368%
75	11.504	1599	1601	1608	rVB	509740	469639	29.38%	1.622%
76	11.557	1608	1610	1613	rBV	119615	124139	7.77%	0.429%
77	11.586	1613	1615	1618	rVB2	95915	74928	4.69%	0.259%
78	11.692	1630	1633	1636	rBV3	111244	124337	7.78%	0.429%
79	11.980	1679	1682	1685	rBV	171262	181246	11.34%	0.626%
80	12.010	1685	1687	1690	rVB	126475	107475	6.72%	0.371%
81	12.092	1698	1701	1704	rBV3	115460	131855	8.25%	0.455%
82	12.421	1755	1757	1760	rVB2	73955	66025	4.13%	0.228%
83	12.480	1765	1767	1772	rVB4	48840	59265	3.71%	0.205%
84	12.533	1772	1776	1778	rBV2	111832	118787	7.43%	0.410%
85	12.698	1801	1804	1810	rBV	338496	308772	19.32%	1.067%
86	12.933	1841	1844	1849	rVV	299968	296258	18.53%	1.023%
87	13.057	1862	1865	1869	rBV	1233828	1120877	70.12%	3.872%
88	13.257	1897	1899	1903	rVB2	65158	67300	4.21%	0.232%
89	13.933	2011	2014	2021	rVB4	78813	90547	5.66%	0.313%
90	14.133	2043	2048	2051	rBV2	435578	532996	33.34%	1.841%
91	14.157	2051	2052	2059	rVB	114500	100265	6.27%	0.346%
92	14.251	2064	2068	2071	rBV2	60789	71561	4.48%	0.247%
93	14.557	2117	2120	2123	rBV	90367	87484	5.47%	0.302%
94	14.868	2170	2173	2179	rVB	114944	111110	6.95%	0.384%
95	15.221	2227	2233	2243	rVB2	208358	374316	23.42%	1.293%
96	15.533	2283	2286	2294	rBV	52494	75395	4.72%	0.260%
97	15.609	2294	2299	2304	rVV2	180422	299882	18.76%	1.036%
98	15.662	2304	2308	2320	rVB	204869	339698	21.25%	1.173%
99	16.068	2372	2377	2383	rVB	138532	212043	13.27%	0.732%
100	16.592	2461	2466	2472	rBV	78150	135321	8.47%	0.467%

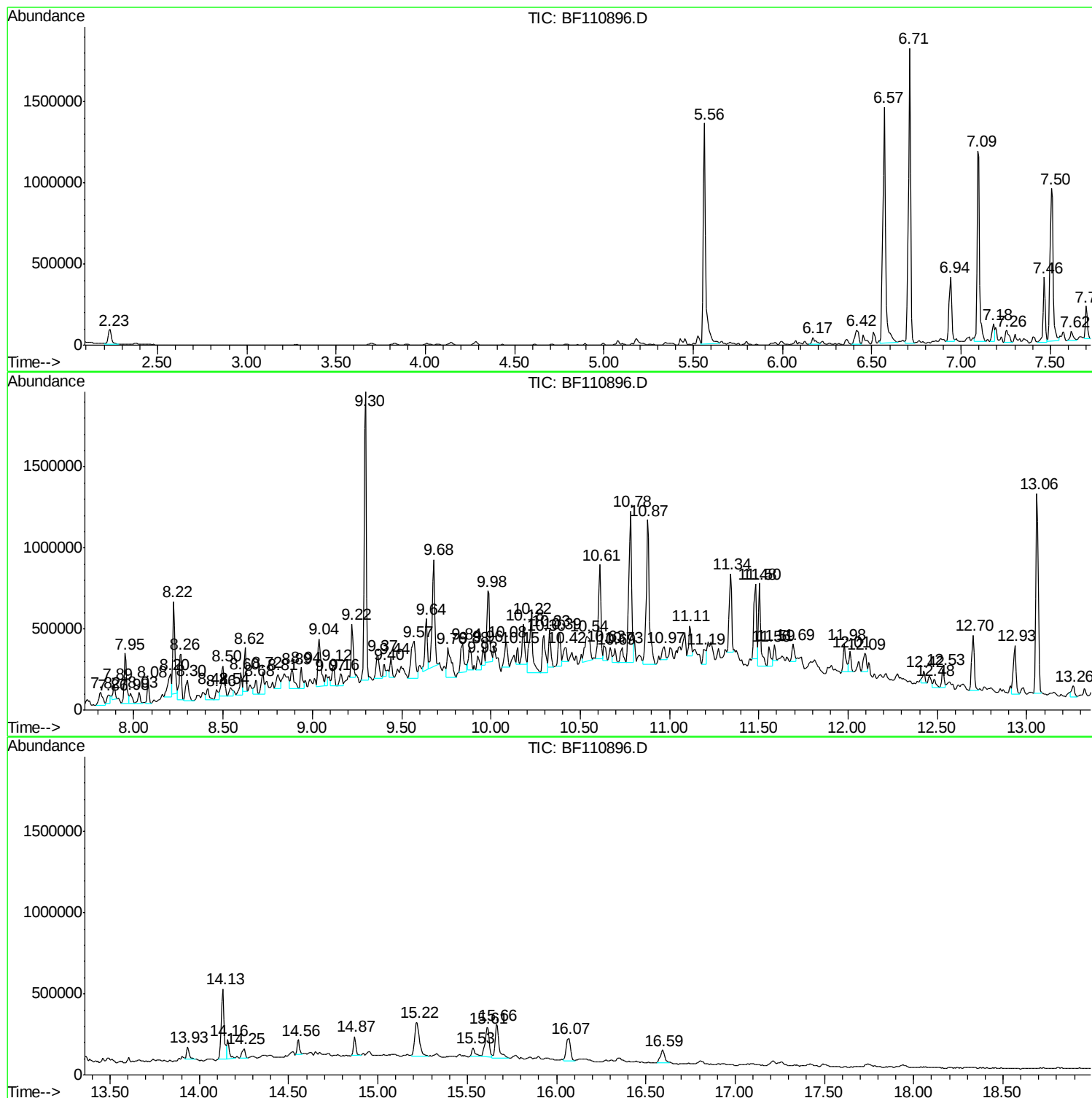
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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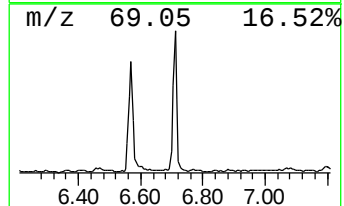
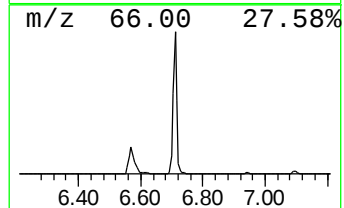
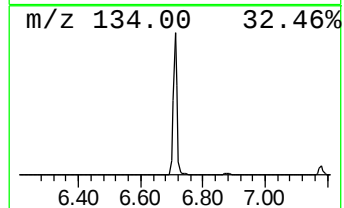
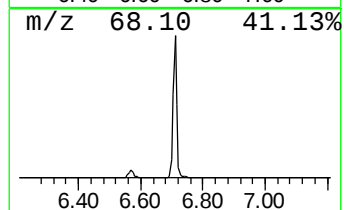
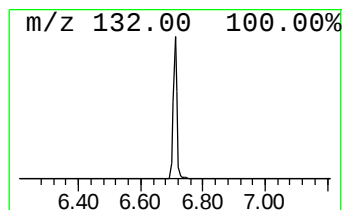
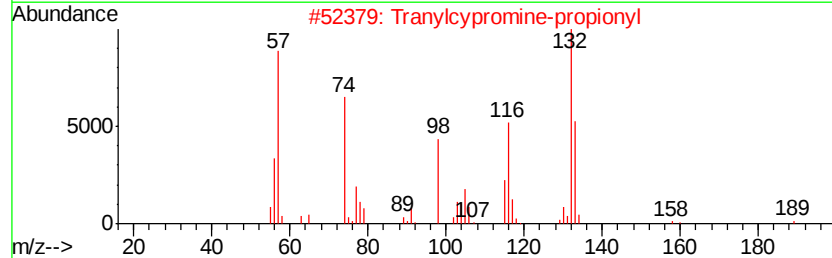
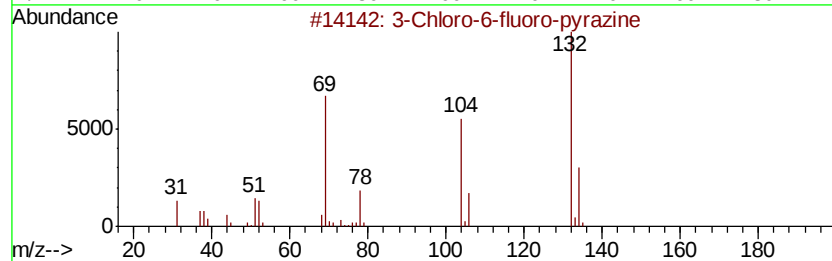
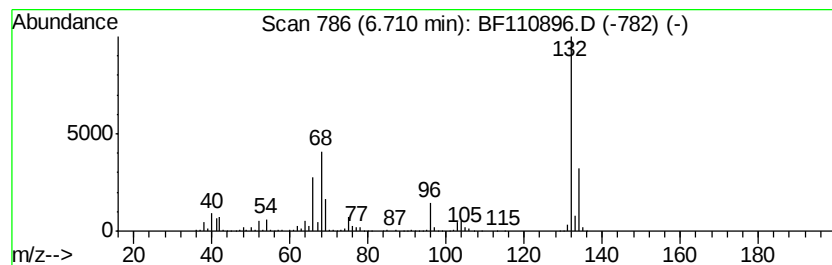
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	85.15 ng	1524050	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		Xenon	132	Xe	007440-63-3	9



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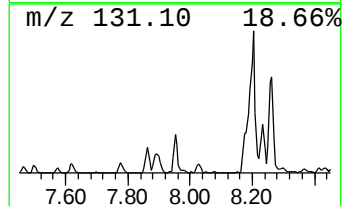
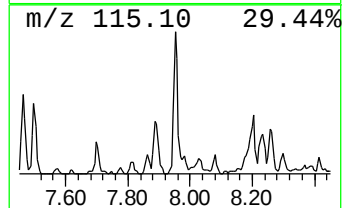
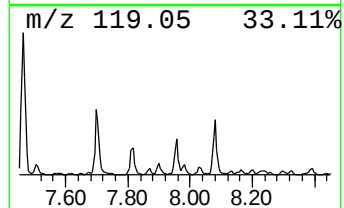
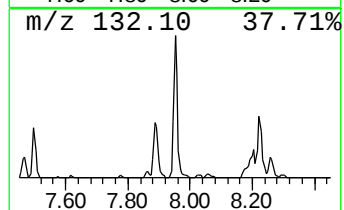
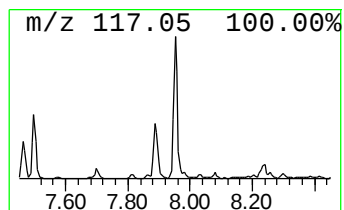
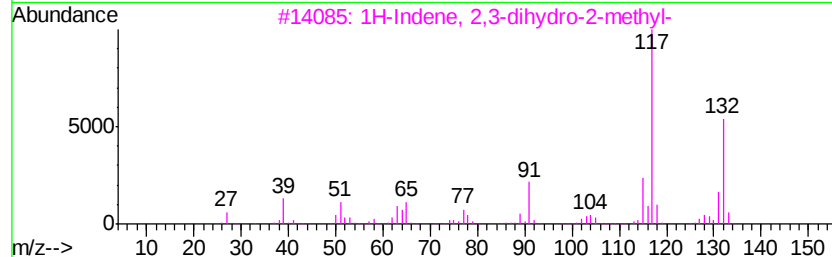
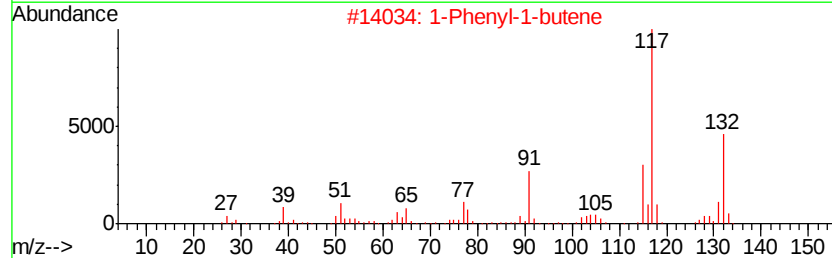
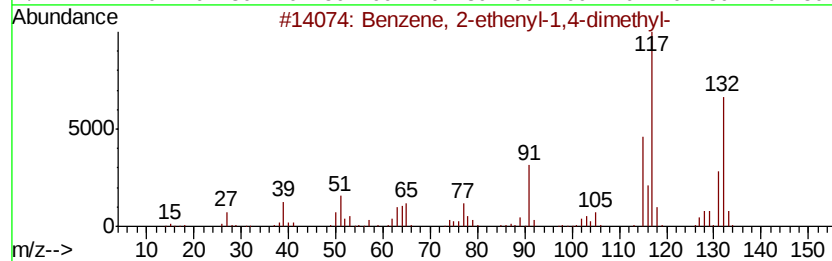
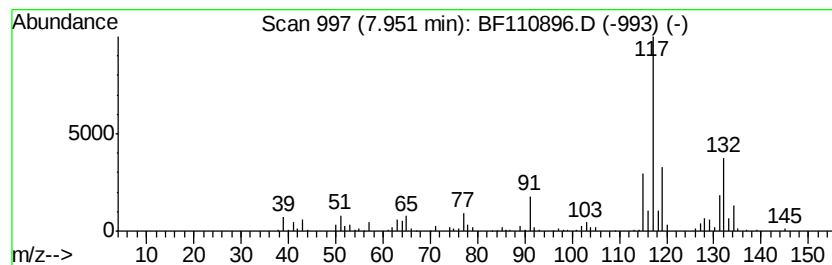
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	11.88 ng	305310	Napthalene-d8	8.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 95
2		1-Phenyl-1-butene	132 C10H12	000824-90-8 91
3		1H-Indene, 2,3-dihydro-2-methyl-	132 C10H12	000824-63-5 87
4		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 87
5		Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3 87



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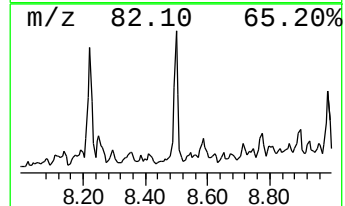
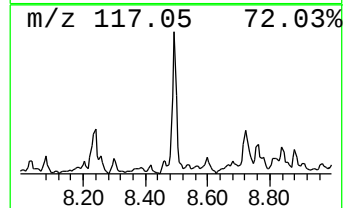
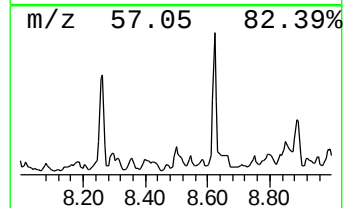
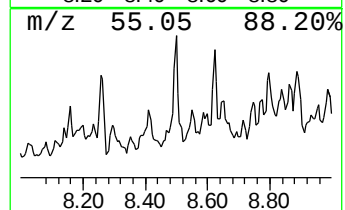
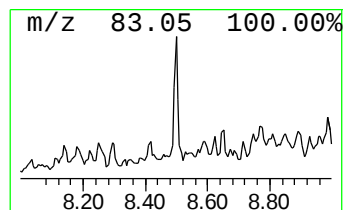
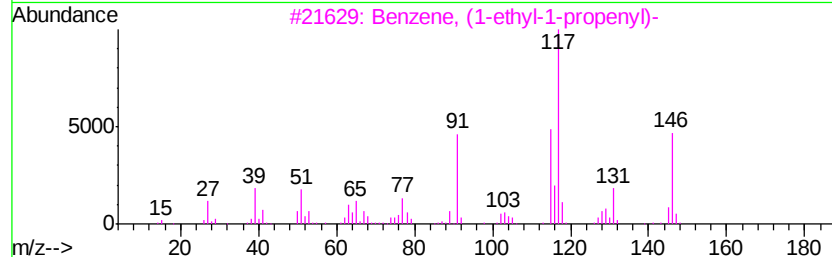
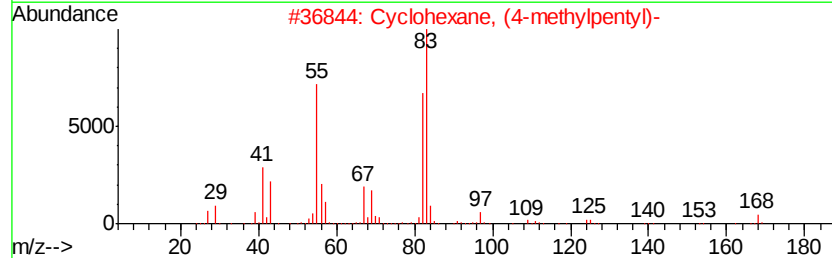
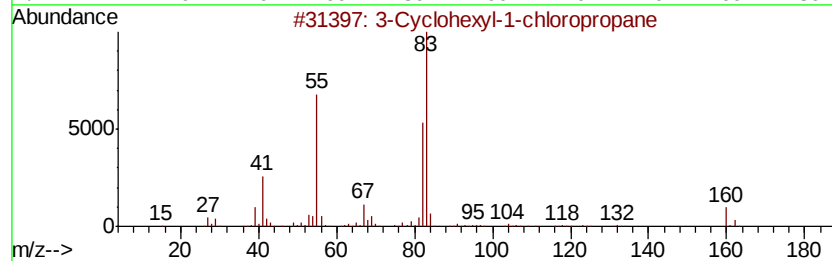
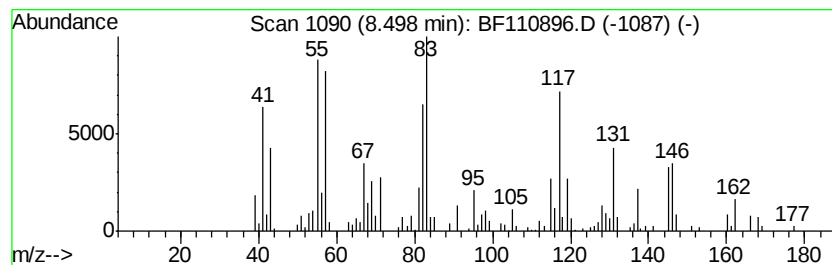
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown8.50 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	8.58 ng	220520	Napthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	27
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	25
3		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	25
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	25
5		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

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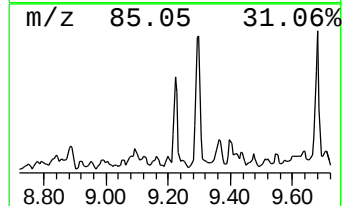
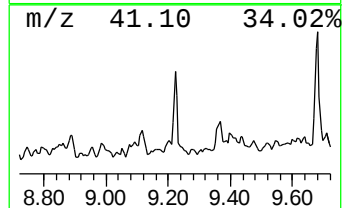
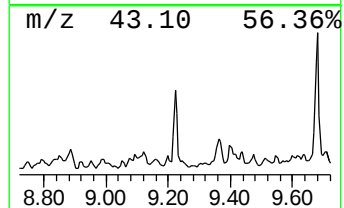
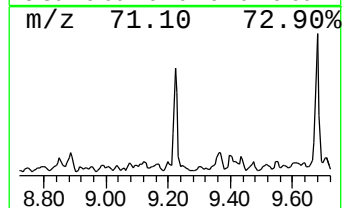
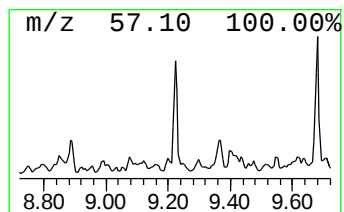
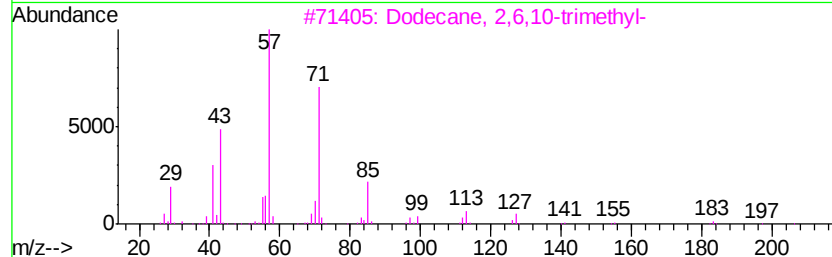
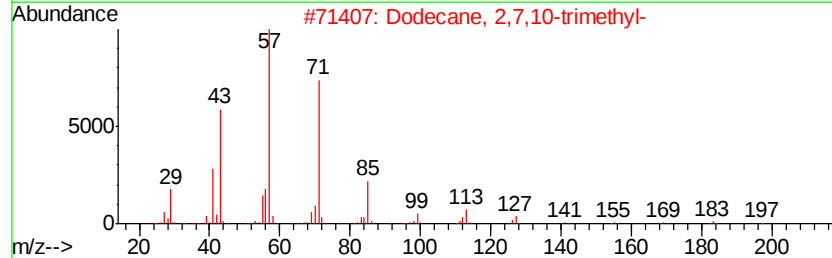
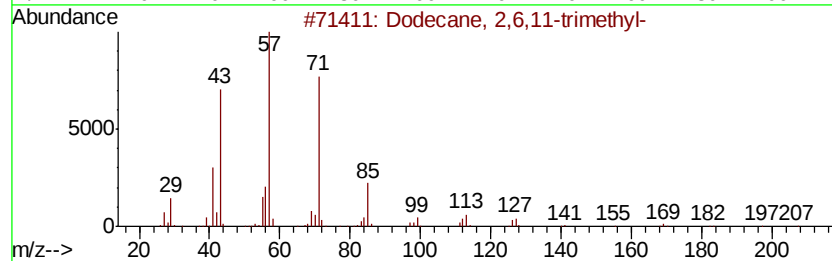
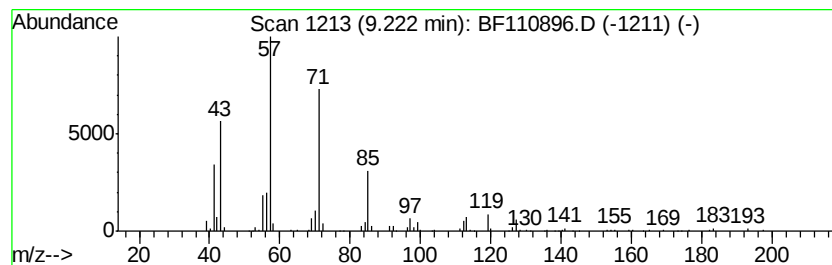
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	11.26 ng	251813	Acenaphthene-d10	9.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
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BNA_F
ClientSampleId :
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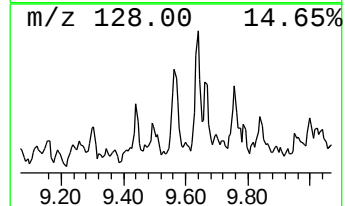
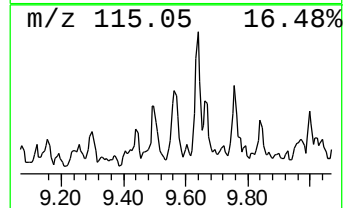
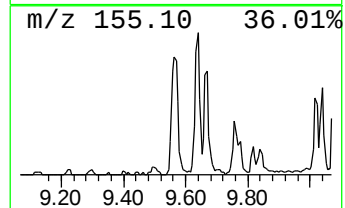
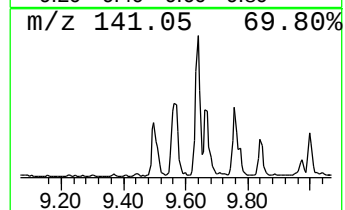
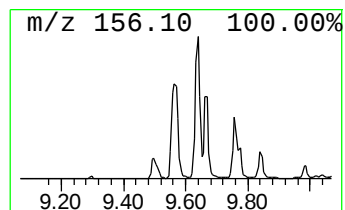
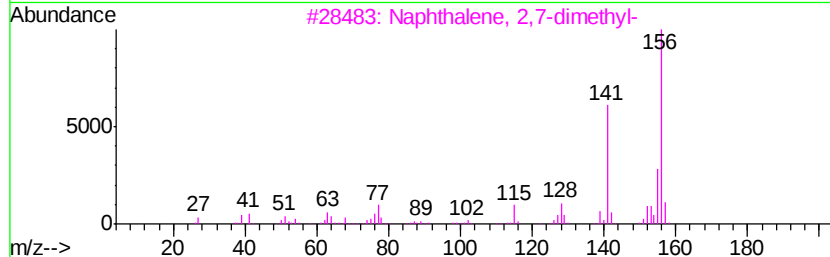
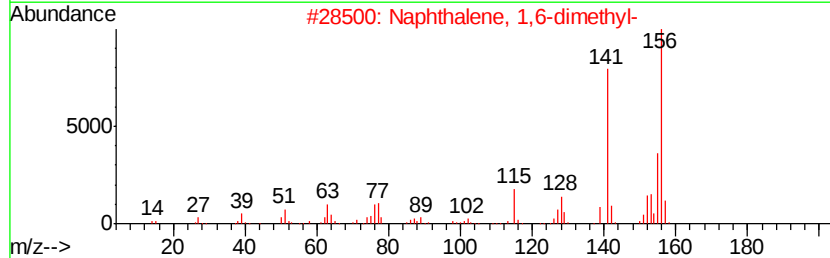
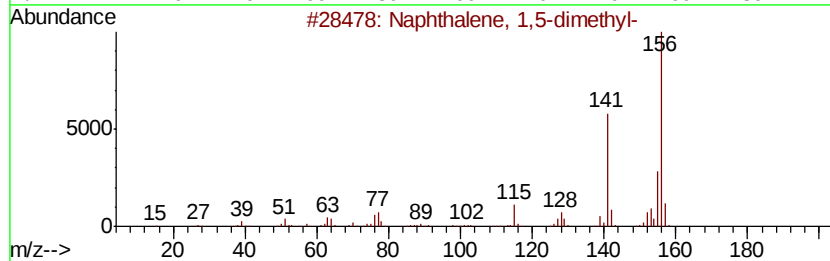
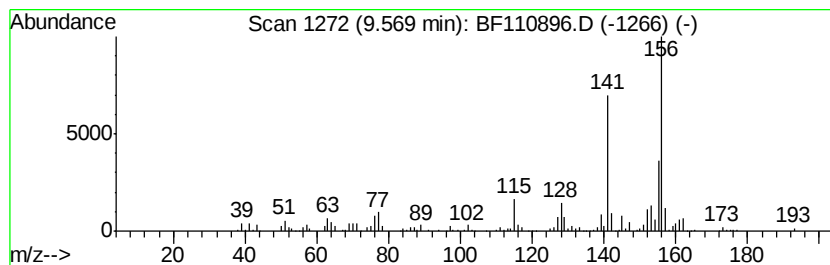
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	17.76 ng	397011	Acenaphthene-d10	9.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
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Sample : J6003-15
Misc :
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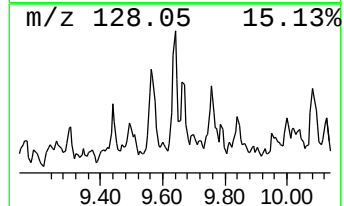
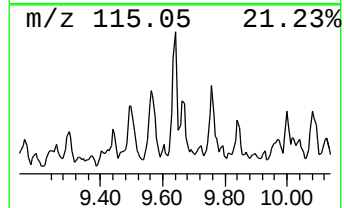
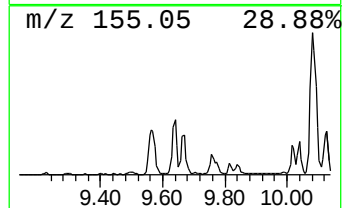
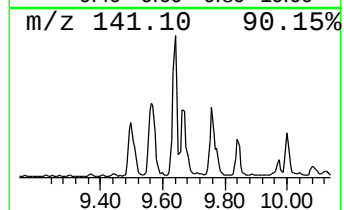
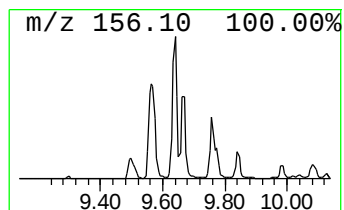
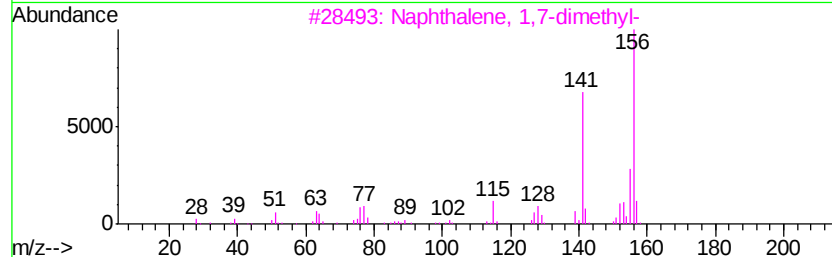
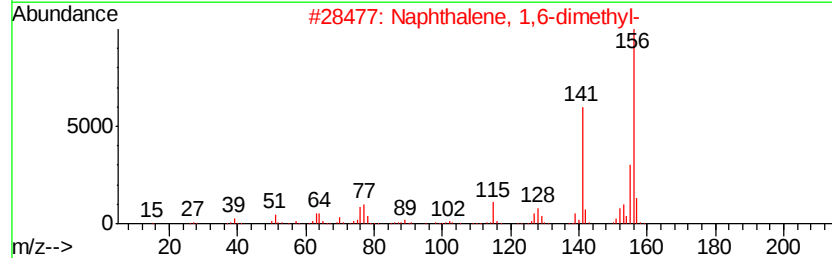
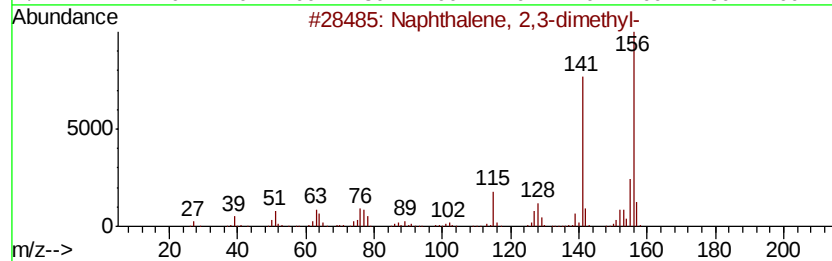
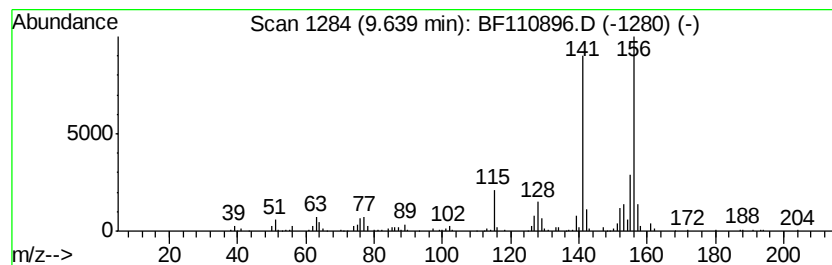
Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.64	14.63 ng	327016	Acenaphthene-d10		9.98
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

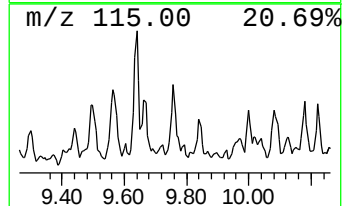
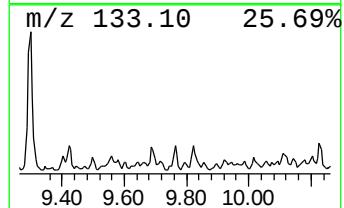
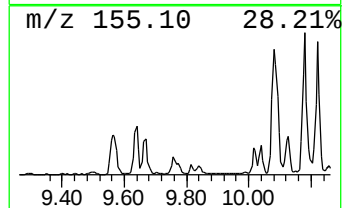
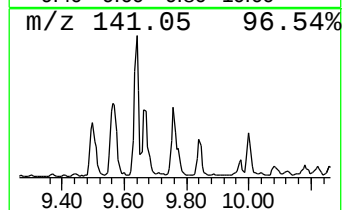
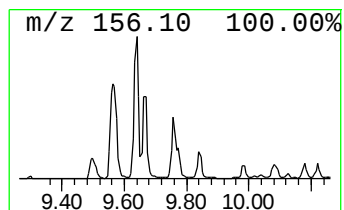
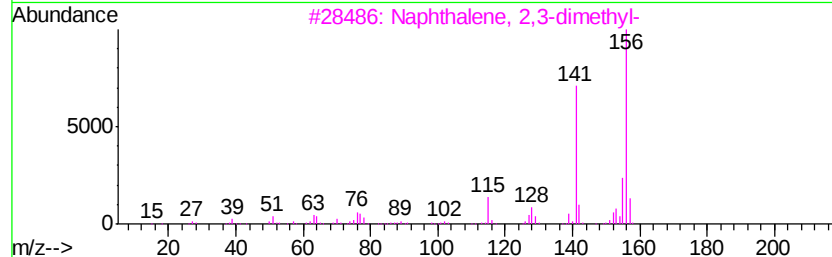
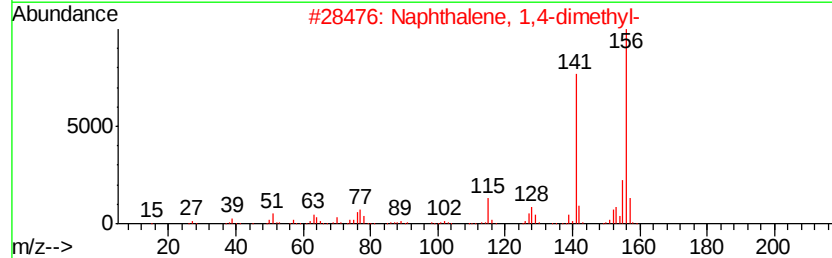
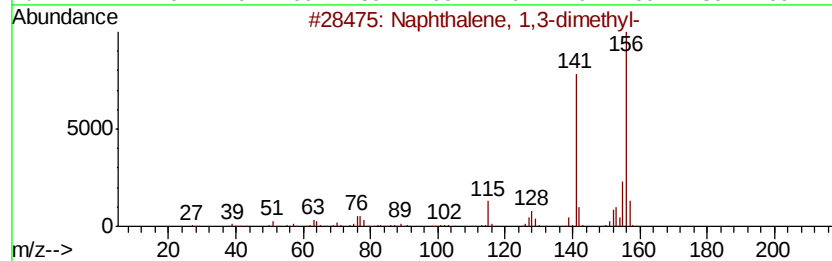
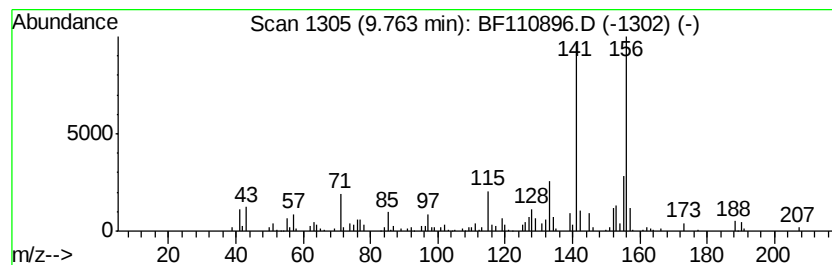
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	14.25 ng	318508	Acenaphthene-d10	9.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
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Sample : J6003-15
Misc :
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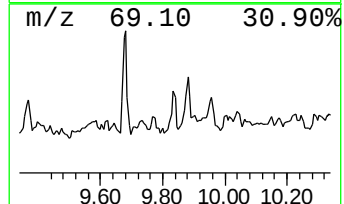
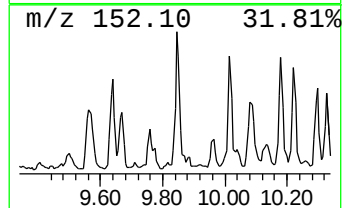
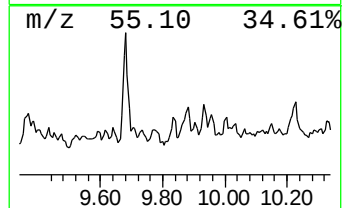
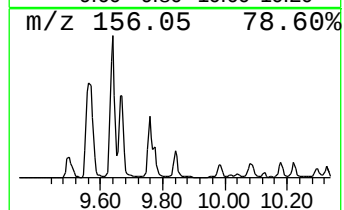
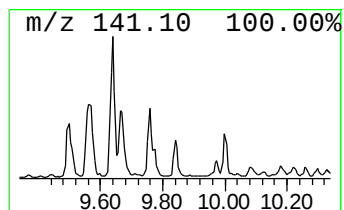
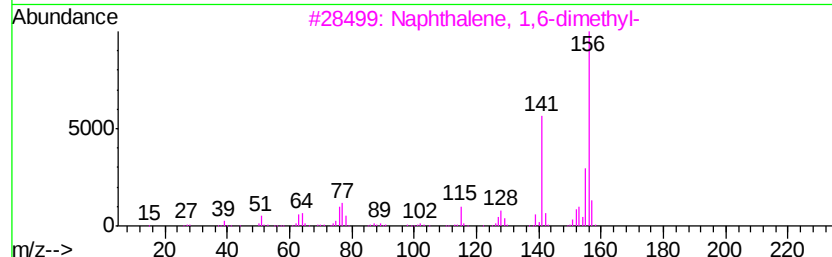
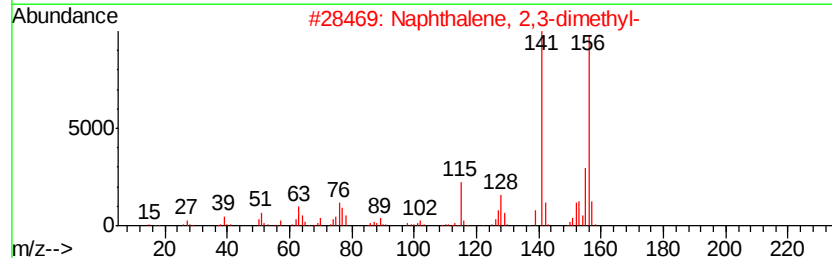
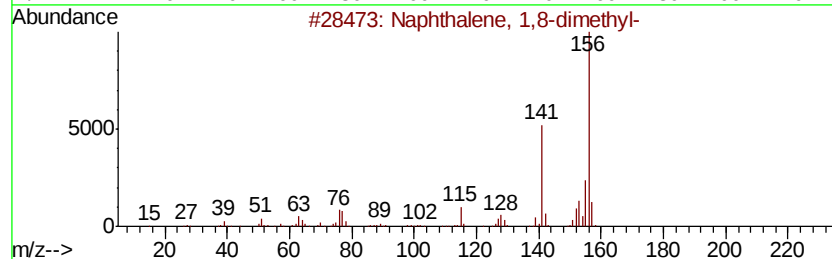
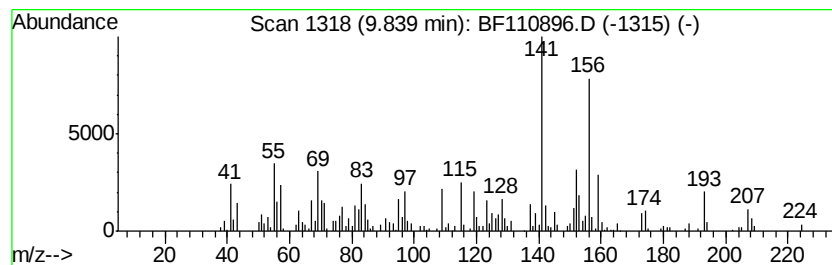
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,8-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	9.30 ng	207845	Acenaphthene-d10	9.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,8-dimethyl-	156 C12H12	000569-41-5 70
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 70
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 70
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 70
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NON-UST-05A

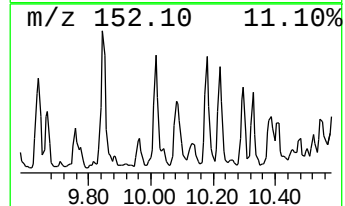
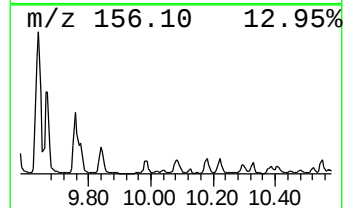
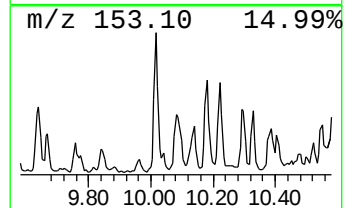
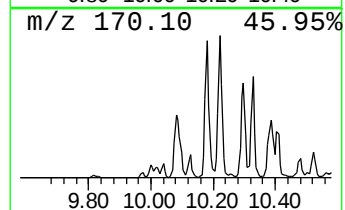
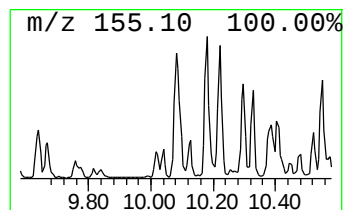
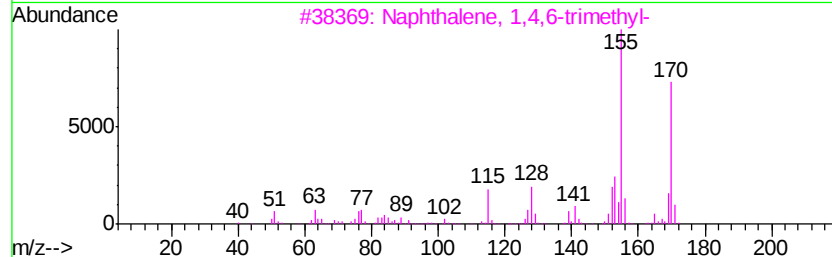
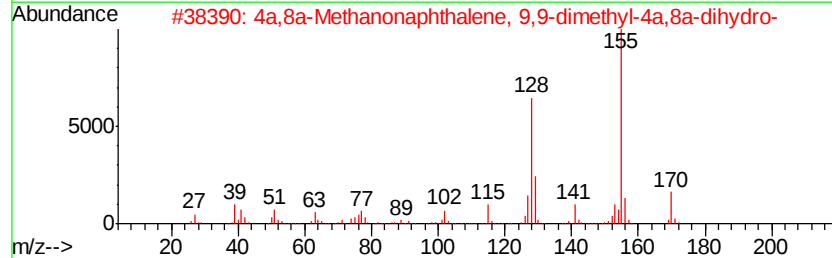
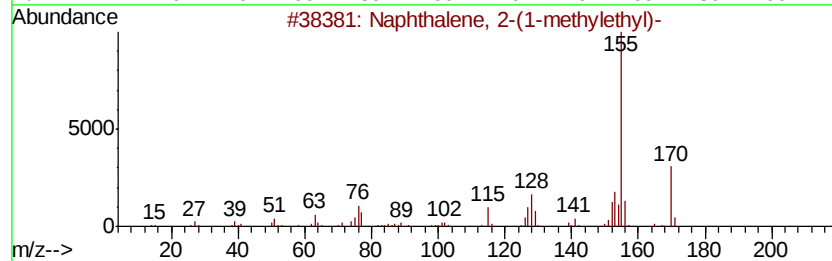
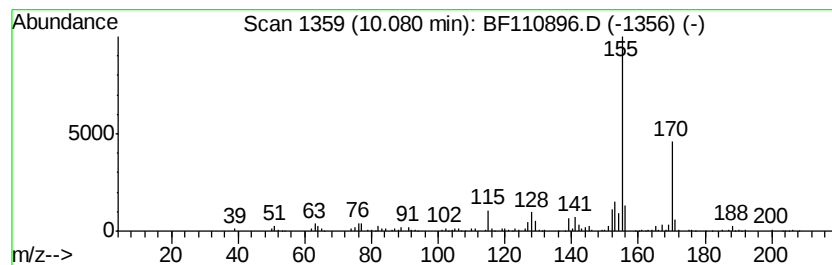
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	8.11 ng	181242	Acenaphthene-d10	9.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2			4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	86
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
4			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5			Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

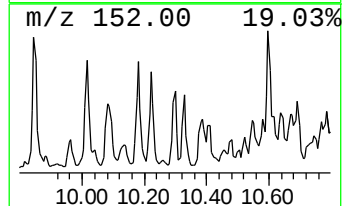
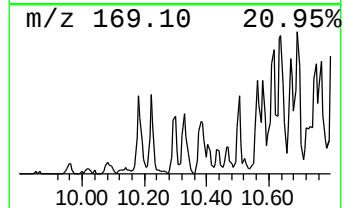
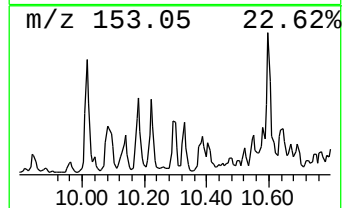
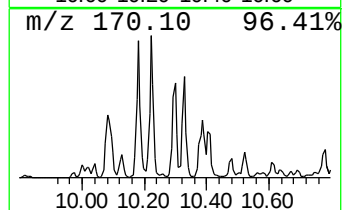
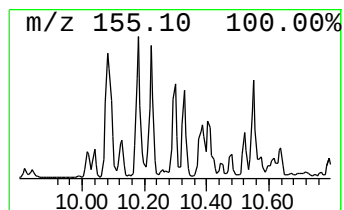
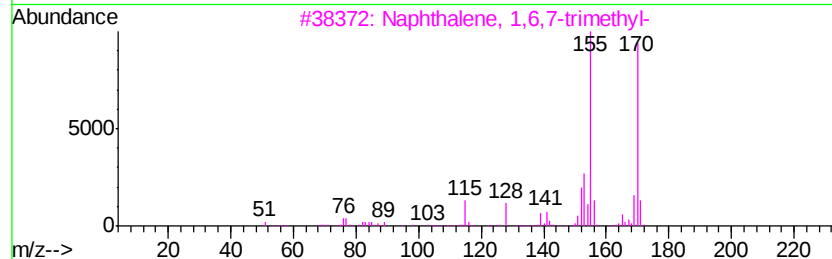
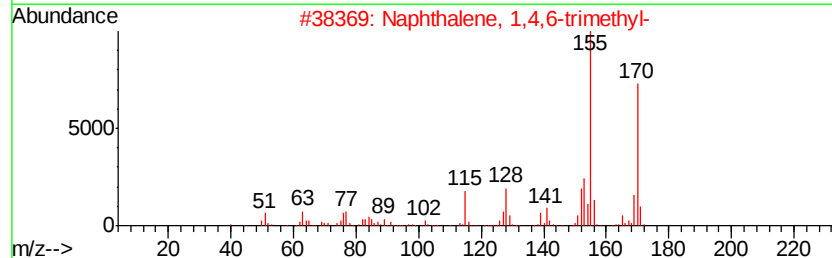
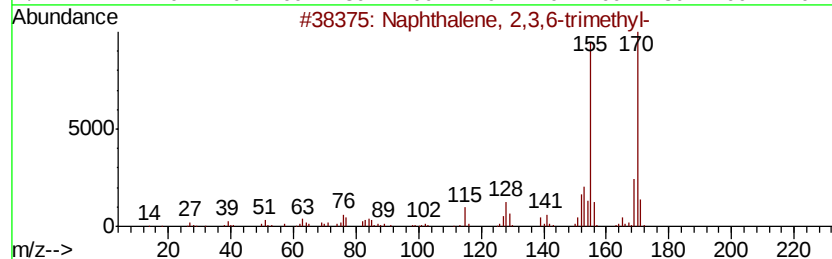
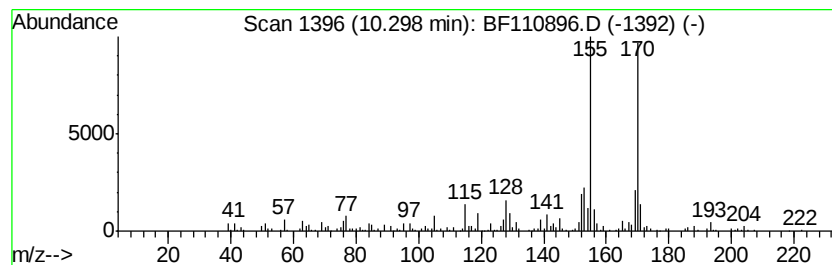
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.30	13.25 ng	296331	Acenaphthene-d10		9.98	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
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\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

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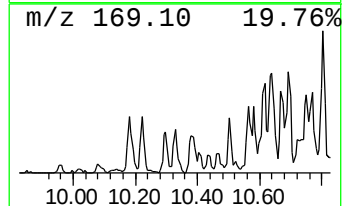
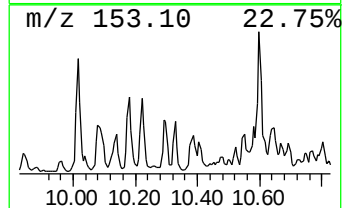
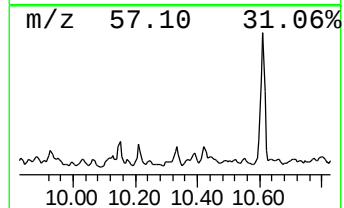
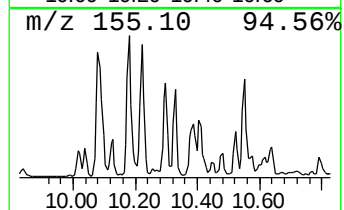
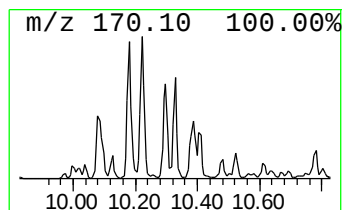
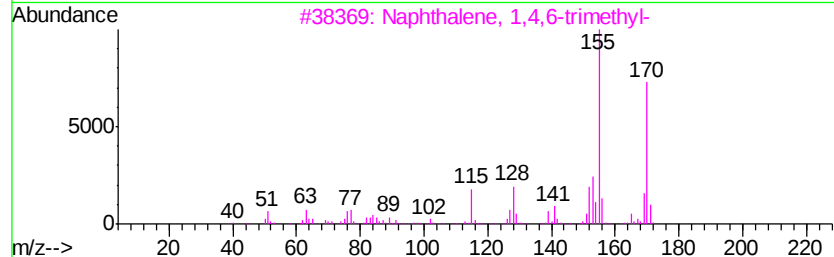
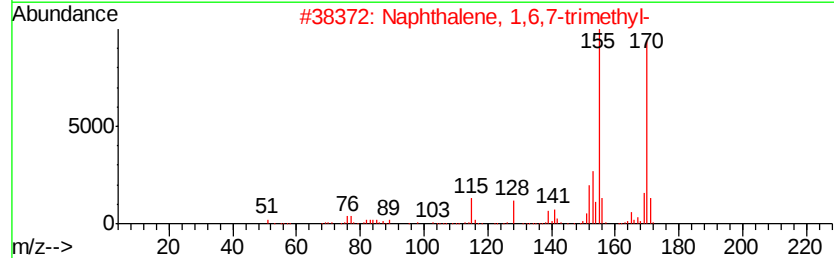
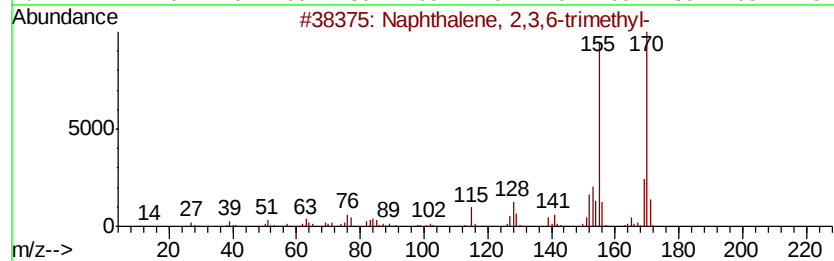
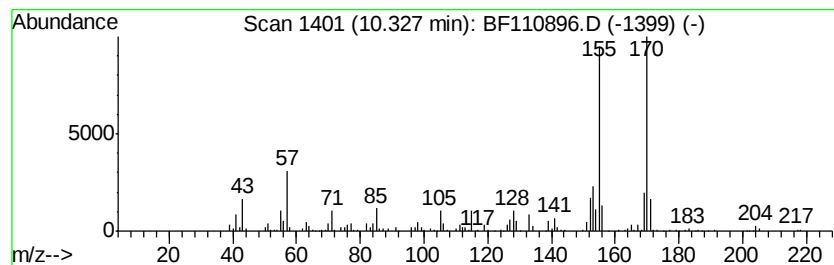
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	9.33 ng	208709	Acenaphthene-d10	9.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
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\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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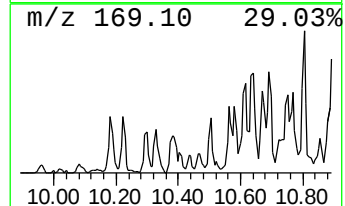
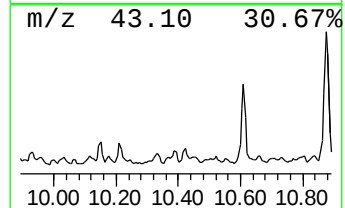
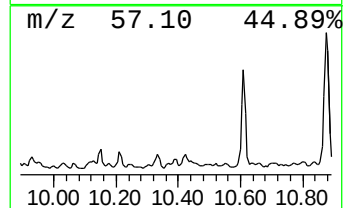
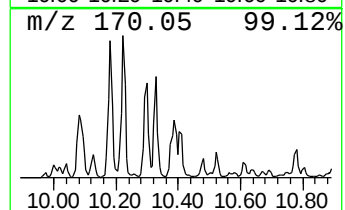
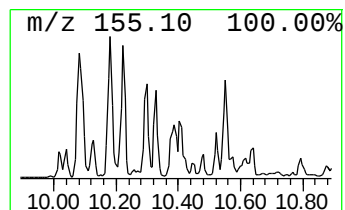
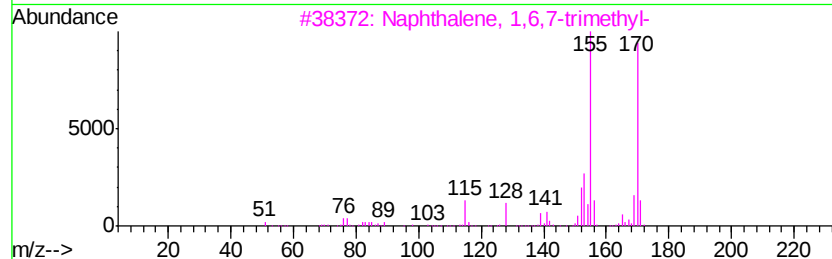
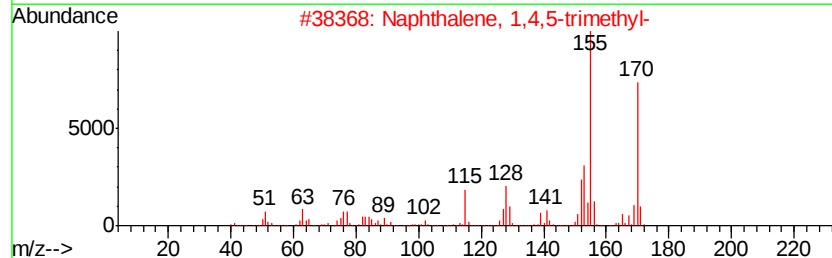
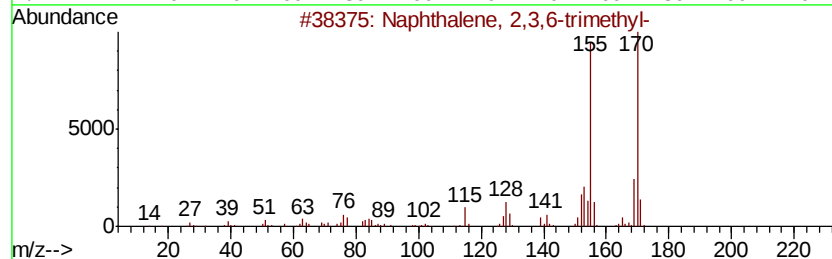
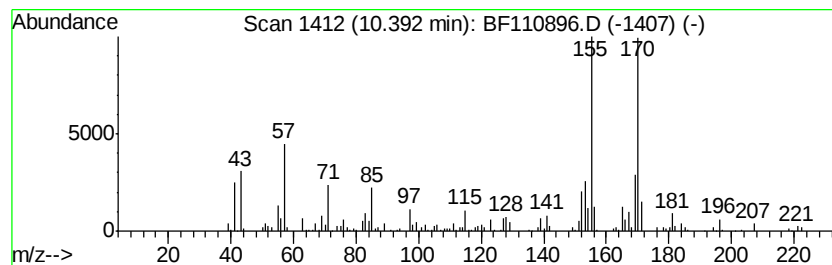
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,4,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	10.69 ng	238987	Acenaphthene-d10	9.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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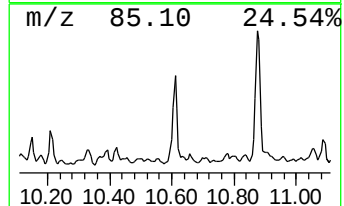
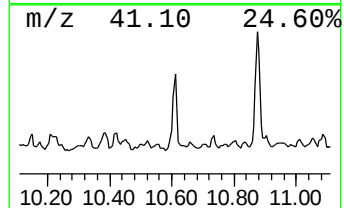
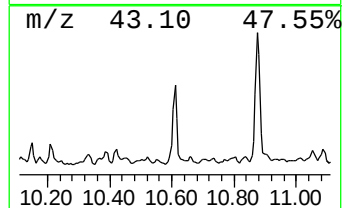
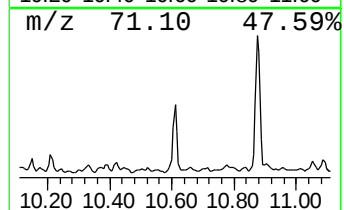
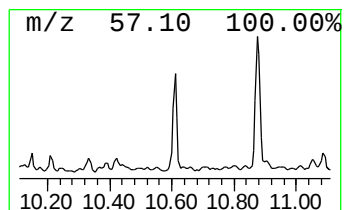
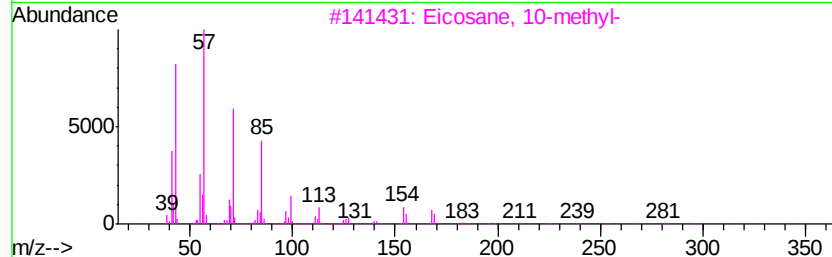
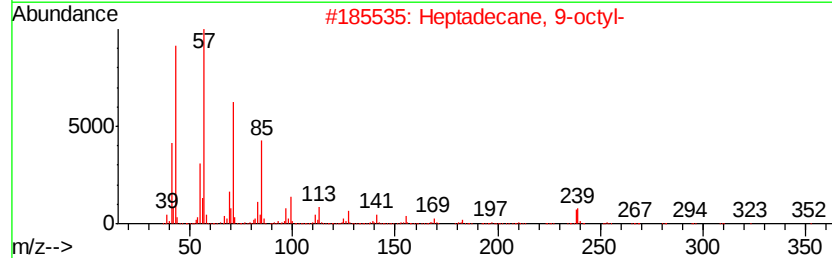
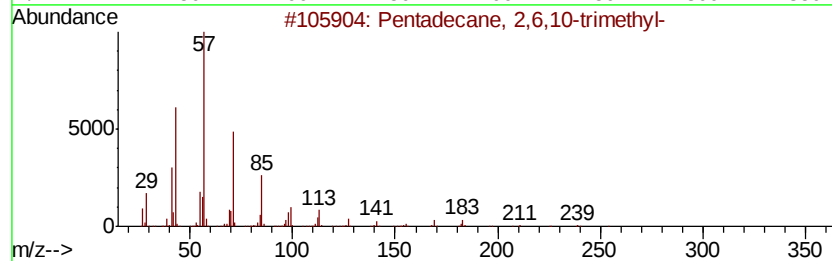
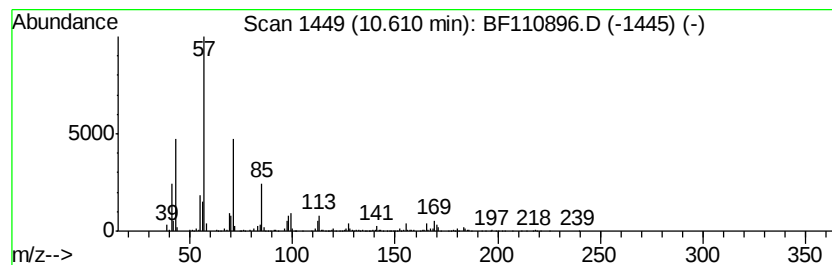
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pentadecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	28.08 ng	627782	Acenaphthene-d10	9.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	72
3		Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	62
5		Decane, 2-methyl-	156	C11H24	006975-98-0	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
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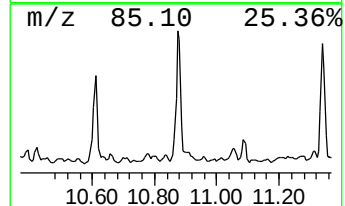
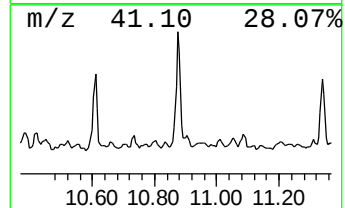
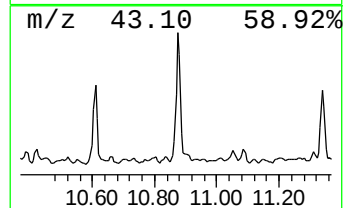
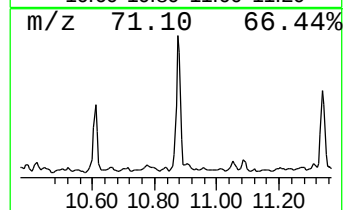
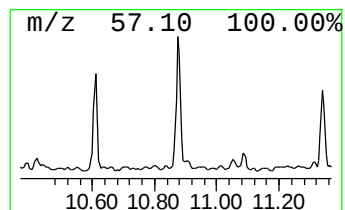
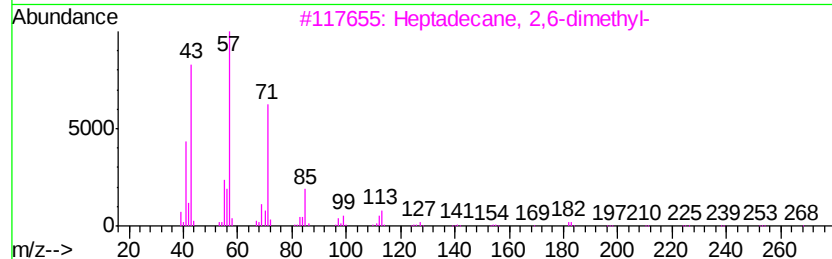
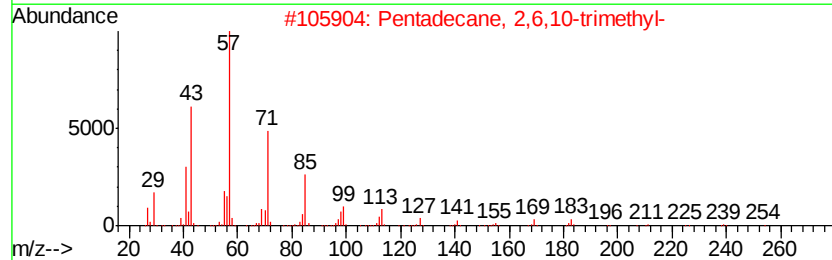
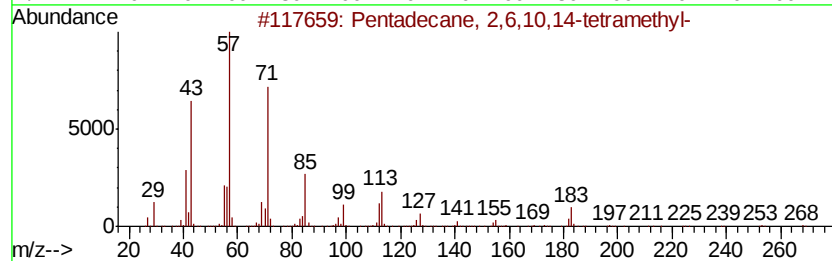
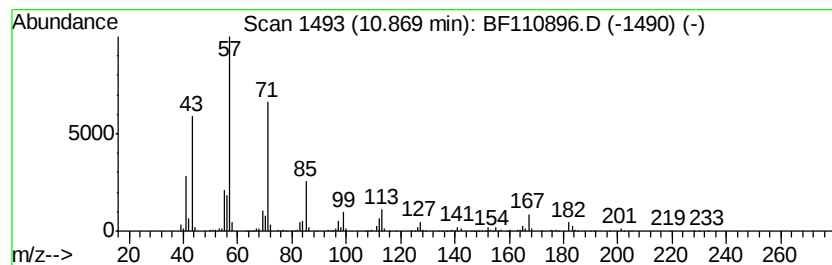
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	54.48 ng	1078710	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
3		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	80
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5		Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
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ALS Vial : 12 Sample Multiplier: 1

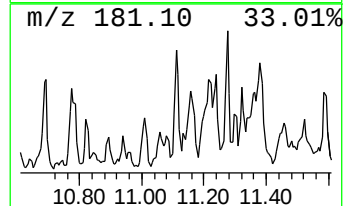
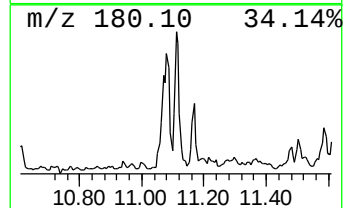
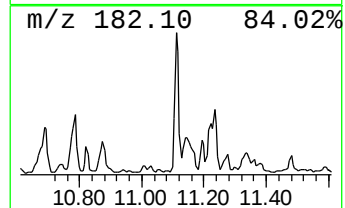
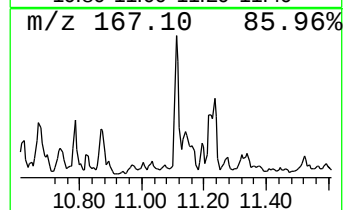
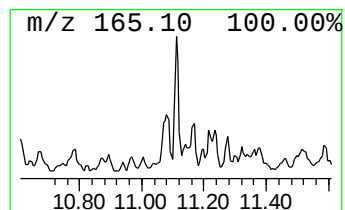
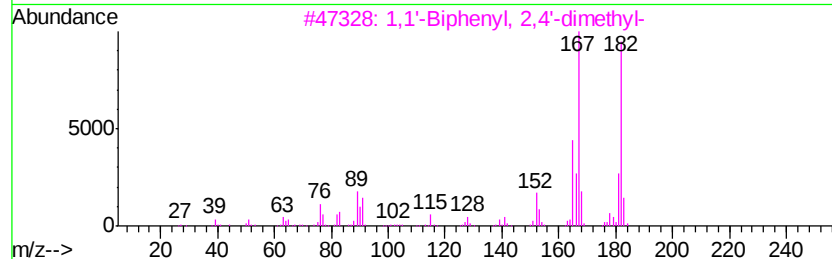
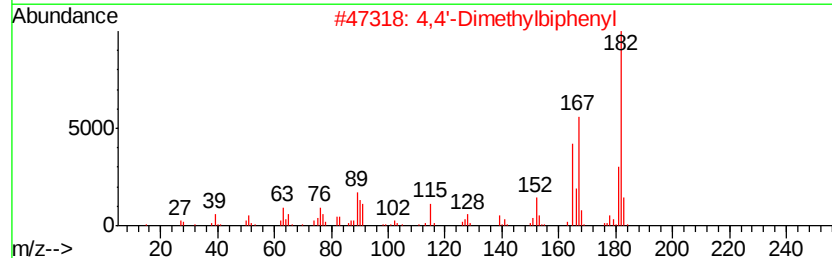
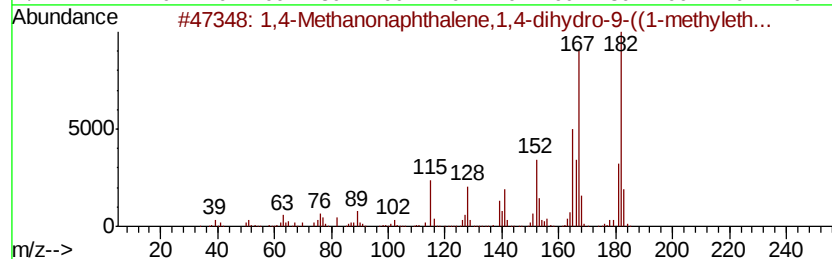
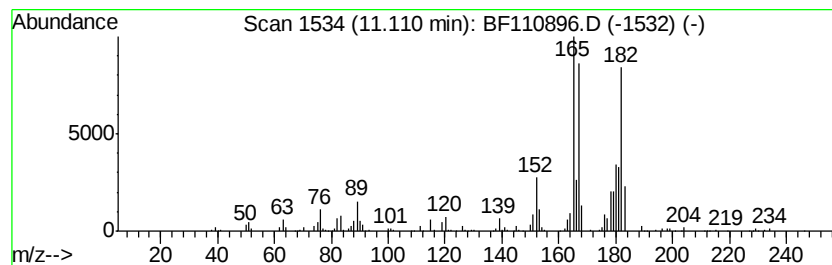
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,4-Methanonaphthalene,1,4-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.11	9.29 ng	184015	Phenanthrene-d10	11.48		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	70	
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70	
3	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	52	
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	50	
5	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	49	



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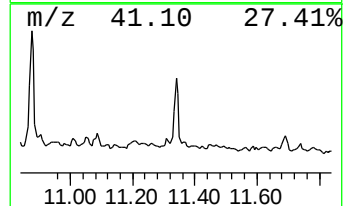
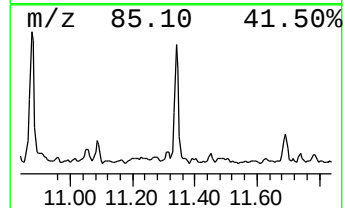
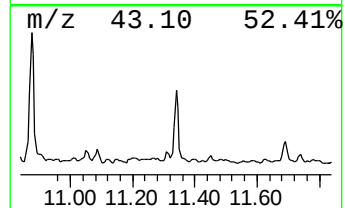
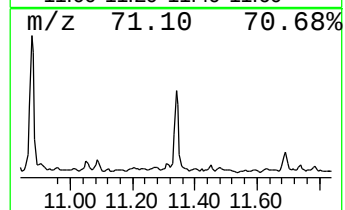
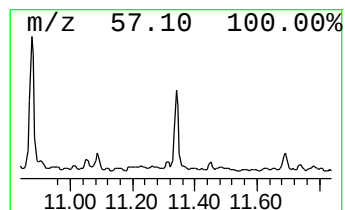
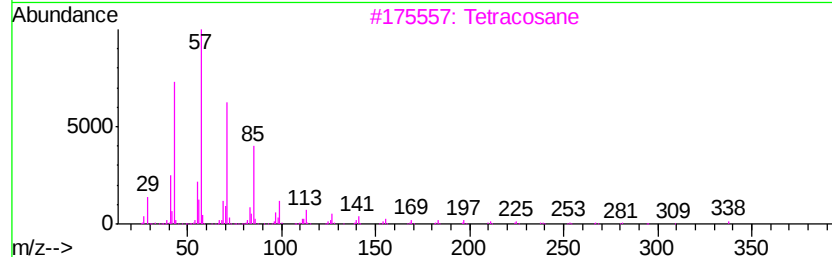
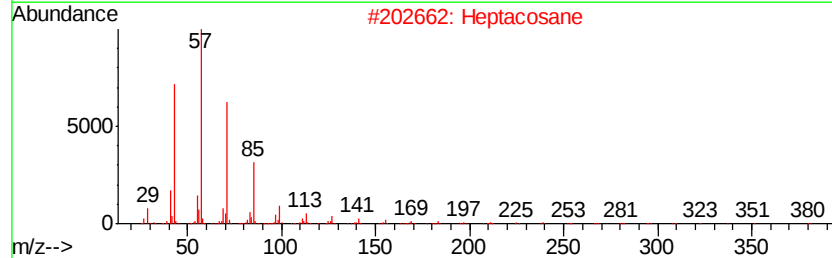
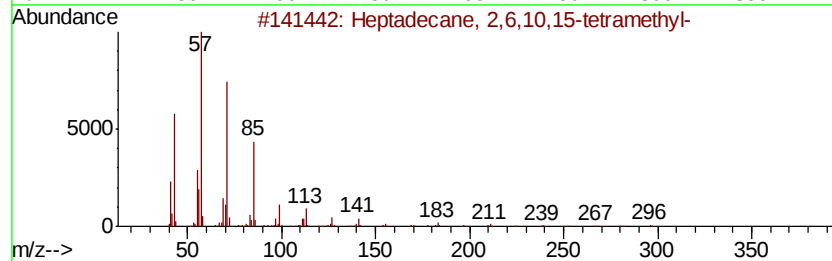
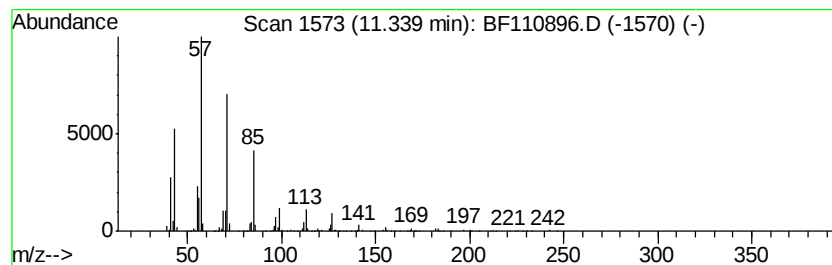
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane, 2,6,10,15-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	20.32 ng	402382	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
2		Heptacosane	380	C27H56	000593-49-7	86
3		Tetracosane	338	C24H50	000646-31-1	86
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
5		Heptadecane	240	C17H36	000629-78-7	83



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Misc :
ALS Vial : 12 Sample Multiplier: 1

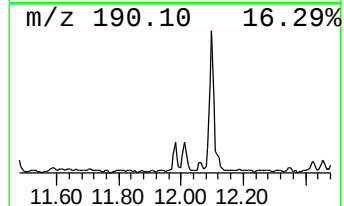
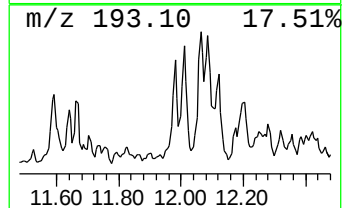
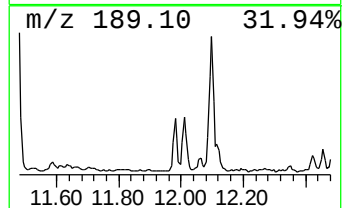
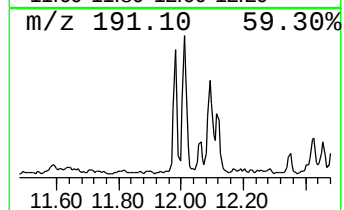
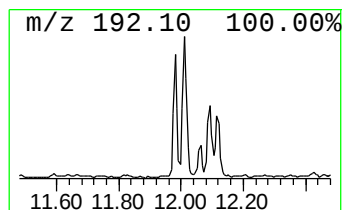
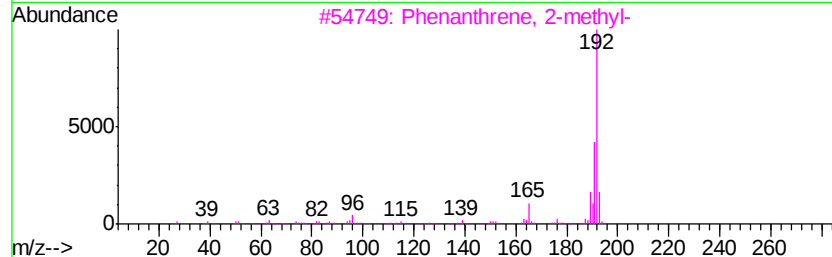
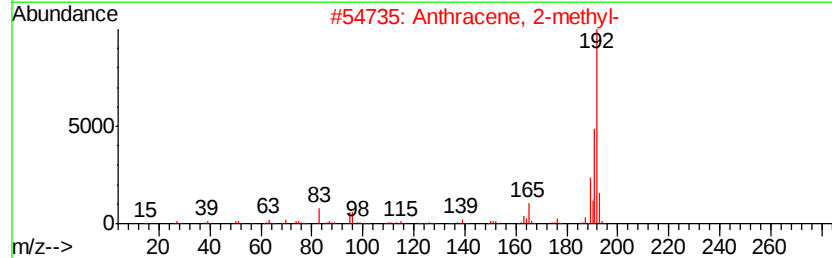
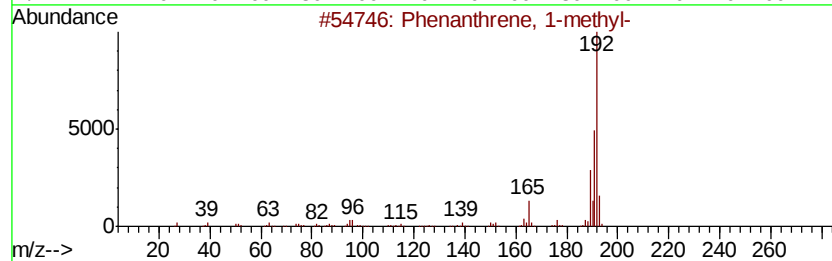
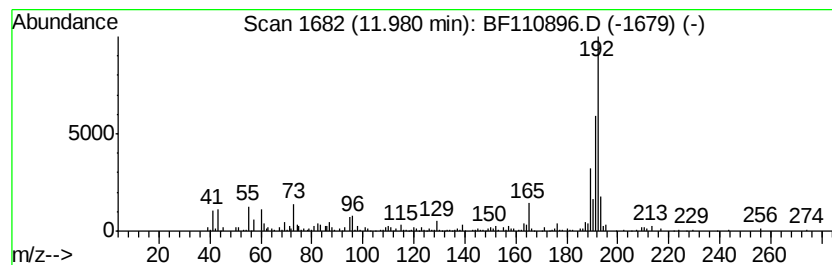
Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	9.15 ng	181246	Phenanthrene-d10	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

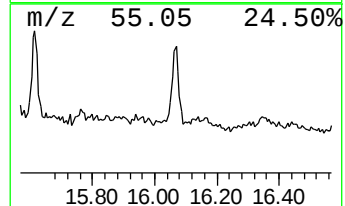
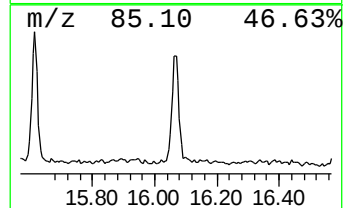
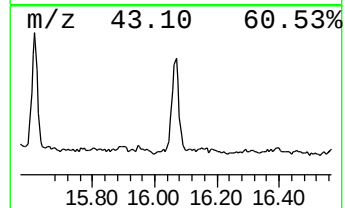
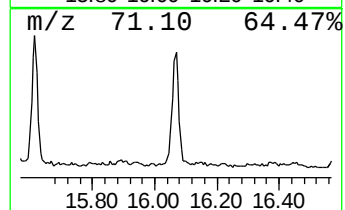
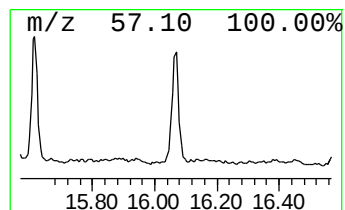
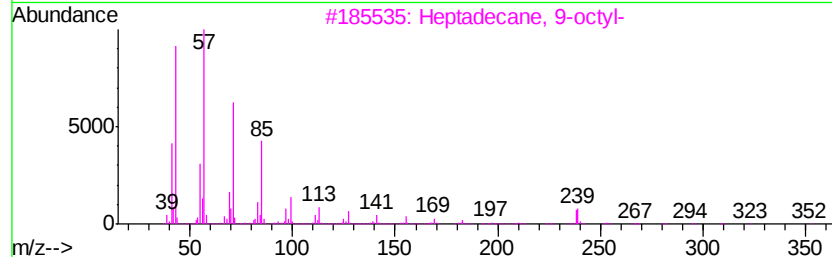
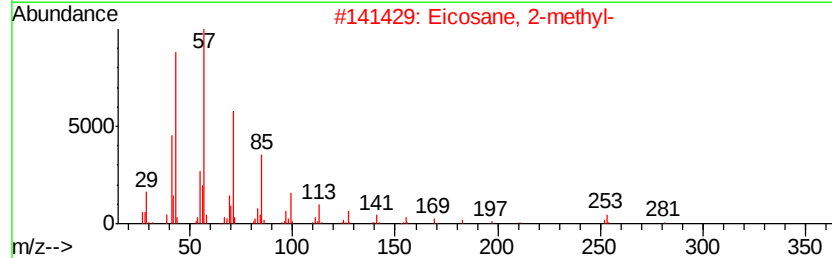
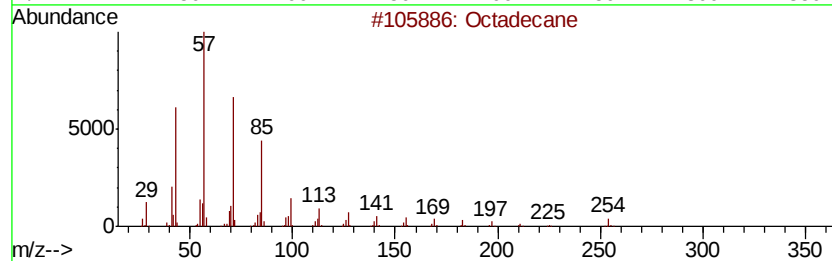
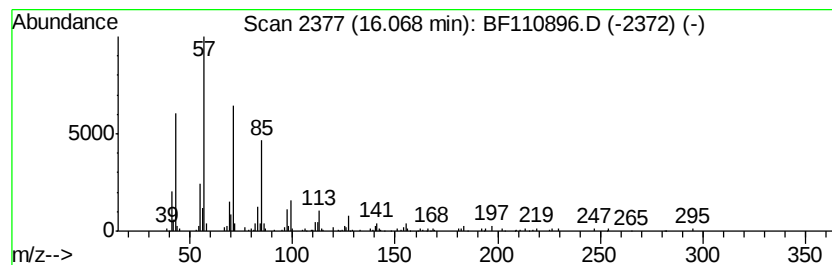
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	12.48 ng	212043	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	90
2		Eicosane, 2-methyl-	296	C21H44	001560-84-5	90
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
4		Tridecane, 3-methyl-	198	C14H30	006418-41-3	86
5		2-methyloctacosane	408	C29H60	1000376-72-8	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110896.D
Acq On : 20 Nov 2018 16:06
Operator : JU/SJ
Sample : J6003-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

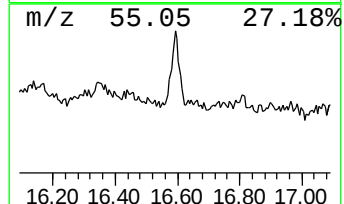
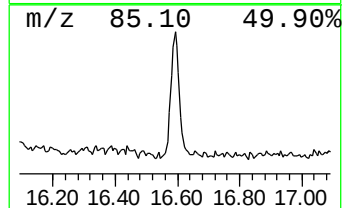
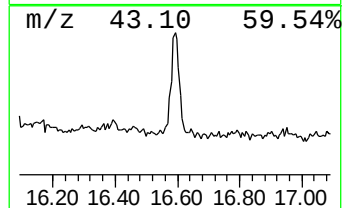
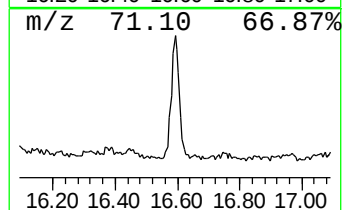
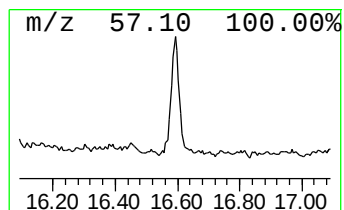
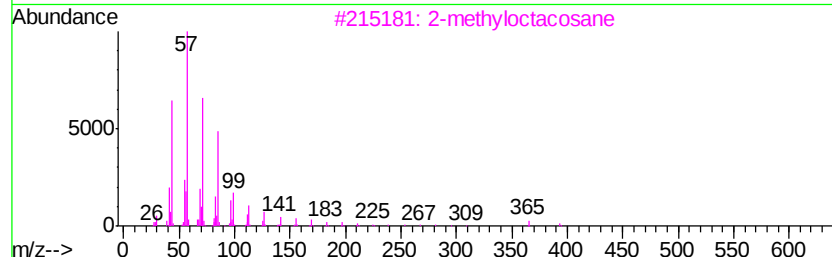
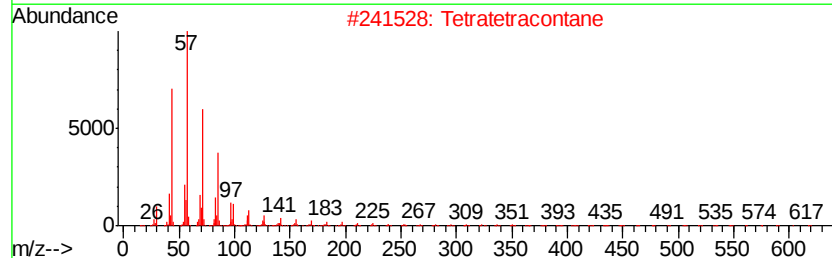
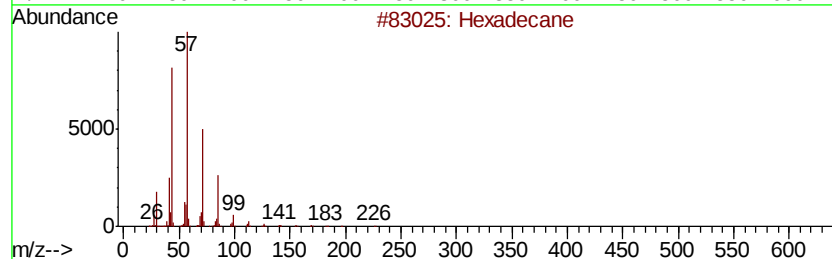
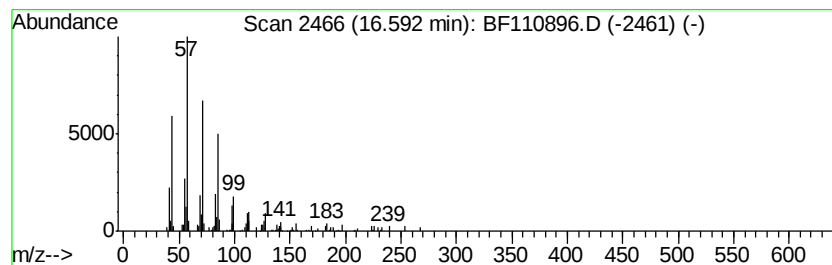
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	7.97 ng	135321	Perylene-d12	15.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Tetratetracontane	619	C44H90	007098-22-8	91
3			2-methyloctacosane	408	C29H60	1000376-72-8	91
4			Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5			Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
 Data File : BF110896.D
 Acq On : 20 Nov 2018 16:06
 Operator : JU/SJ
 Sample : J6003-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-05A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
unknown6.71	6.71	85.2	ng	1524050	1	6.94	357972	20.0
Benzene, 2-etheny...	7.95	11.9	ng	305310	2	8.22	514132	20.0
unknown8.50	8.50	8.6	ng	220520	2	8.22	514132	20.0
Dodecane, 2,6,11-...	9.22	11.3	ng	251813	3	9.98	447164	20.0
Naphthalene, 1,5-...	9.57	17.8	ng	397011	3	9.98	447164	20.0
Naphthalene, 2,3-...	9.64	14.6	ng	327016	3	9.98	447164	20.0
Naphthalene, 1,3-...	9.76	14.3	ng	318508	3	9.98	447164	20.0
Naphthalene, 1,8-...	9.84	9.3	ng	207845	3	9.98	447164	20.0
Naphthalene, 2-(1...	10.08	8.1	ng	181242	3	9.98	447164	20.0
Naphthalene, 2,3,...	10.30	13.3	ng	296331	3	9.98	447164	20.0
Naphthalene, 1,6,...	10.33	9.3	ng	208709	3	9.98	447164	20.0
Naphthalene, 1,4,...	10.39	10.7	ng	238987	3	9.98	447164	20.0
Pentadecane, 2,6,...	10.61	28.1	ng	627782	3	9.98	447164	20.0
Pentadecane, 2,6,...	10.87	54.5	ng	1078710	4	11.48	396016	20.0
1,4-Methanonaphth...	11.11	9.3	ng	184015	4	11.48	396016	20.0
Heptadecane, 2,6,...	11.34	20.3	ng	402382	4	11.48	396016	20.0
Phenanthrene, 1-m...	11.98	9.2	ng	181246	4	11.48	396016	20.0
Octadecane	16.07	12.5	ng	212043	6	15.67	339698	20.0
Hexadecane	16.59	8.0	ng	135321	6	15.67	339698	20.0