

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
 Data File : BF077524.D
 Acq On : 2 Mar 2015 16:05
 Operator : TP/IZ
 Sample : G1399-14 5X
 Misc : S
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

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: CENTROID

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	7.253	555	557	559	rBV	491613	619456	16.49%	0.706%
2	7.927	607	616	619	rBV5	165091	663410	17.66%	0.756%
3	8.247	642	644	647	rBV	535112	541096	14.40%	0.617%
4	8.385	652	656	658	rBV4	365409	611719	16.28%	0.697%
5	8.636	675	678	680	rBV3	175339	327198	8.71%	0.373%
6	8.716	680	685	688	rBV4	199229	545499	14.52%	0.622%
7	8.796	688	692	693	rBV3	215021	499575	13.30%	0.569%
8	8.830	693	695	698	rVB	959257	1255280	33.41%	1.430%
9	8.899	698	701	703	rBV4	170324	391718	10.43%	0.446%
10	8.945	703	705	709	rBV	1143524	1234555	32.86%	1.407%
11	9.105	712	719	722	rBV7	390548	1295032	34.47%	1.476%
12	9.219	722	729	730	rBV5	479209	1056338	28.11%	1.204%
13	9.299	734	736	737	rBV	299894	331938	8.83%	0.378%
14	9.390	742	744	748	rBV	1155573	1898769	50.54%	2.163%
15	9.516	753	755	757	rBV2	373045	473381	12.60%	0.539%
16	9.608	760	763	765	rBV3	218590	556318	14.81%	0.634%
17	9.722	770	773	775	rVB3	703820	1294790	34.46%	1.475%
18	9.779	775	778	779	rBV2	266383	460116	12.25%	0.524%
19	9.813	779	781	782	rBV2	260364	319724	8.51%	0.364%
20	9.962	790	794	795	rBV2	257749	627426	16.70%	0.715%
21	9.985	795	796	798	rVB	570605	486094	12.94%	0.554%
22	10.065	801	803	805	rBV3	344993	384164	10.22%	0.438%
23	10.145	805	810	812	rBV	1772345	2498923	66.51%	2.847%
24	10.293	821	823	824	rBV2	479967	484885	12.91%	0.552%
25	10.316	824	825	828	rBV2	450418	888650	23.65%	1.013%
26	10.362	828	829	831	rVB2	479625	344415	9.17%	0.392%
27	10.408	831	833	834	rVB2	261890	346577	9.22%	0.395%
28	10.442	834	836	839	rVB4	263040	496009	13.20%	0.565%
29	10.511	839	842	843	rBV3	319241	670589	17.85%	0.764%
30	10.591	843	849	850	rBV6	336199	698647	18.59%	0.796%
31	10.705	856	859	867	rBV2	1772821	3322826	88.44%	3.786%
32	10.842	869	871	872	rVB	522612	440478	11.72%	0.502%
33	10.979	880	883	884	rBV2	245398	527710	14.05%	0.601%
34	11.013	884	886	888	rBV	1118855	1321739	35.18%	1.506%

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Integration Parameters: rteint.p
 Integrator: RTE
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 Sampling : 1
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 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.151	896	898	900	rBV2	388292	704830	18.76%	0.803%
36	11.265	906	908	909	rBV2	337363	532409	14.17%	0.607%
37	11.299	909	911	914	rVB3	640248	1285529	34.22%	1.465%
38	11.368	914	917	919	rBV2	1000197	1331903	35.45%	1.518%
39	11.413	919	921	923	rVV	536484	600546	15.98%	0.684%
40	11.528	928	931	934	rVB3	638486	968934	25.79%	1.104%
41	11.688	943	945	947	rBV2	315718	324808	8.64%	0.370%
42	11.734	947	949	950	rBV	495182	589477	15.69%	0.672%
43	11.871	957	961	963	rBV	2706712	3441799	91.61%	3.921%
44	11.996	971	972	974	rVB2	649142	863551	22.98%	0.984%
45	12.042	974	976	981	rBV5	402296	1042578	27.75%	1.188%
46	12.156	985	986	988	rVV	412749	487497	12.97%	0.555%
47	12.202	988	990	993	rVV	3299871	3757205	100.00%	4.281%
48	12.248	993	994	998	rVB3	318190	406018	10.81%	0.463%
49	12.408	1007	1008	1009	rBV	310944	398178	10.60%	0.454%
50	12.465	1012	1013	1015	rVB2	693119	781796	20.81%	0.891%
51	12.785	1038	1041	1044	rVB	2229365	2795922	74.41%	3.186%
52	12.854	1044	1047	1048	rBV	1167935	1311185	34.90%	1.494%
53	12.922	1051	1053	1057	rVB5	467630	800357	21.30%	0.912%
54	13.002	1058	1060	1062	rBV2	340603	504082	13.42%	0.574%
55	13.219	1077	1079	1081	rVB	693888	773231	20.58%	0.881%
56	13.265	1081	1083	1085	rVB2	381857	485787	12.93%	0.553%
57	13.482	1100	1102	1103	rBV2	433375	473440	12.60%	0.539%
58	13.517	1103	1105	1108	rVB	781327	929671	24.74%	1.059%
59	13.574	1108	1110	1112	rBV	288735	395994	10.54%	0.451%
60	13.619	1112	1114	1118	rBV4	370559	862051	22.94%	0.982%
61	13.859	1133	1135	1140	rVB4	372565	901448	23.99%	1.027%
62	14.042	1150	1151	1153	rBV	336650	333785	8.88%	0.380%
63	14.088	1153	1155	1156	rBV	246482	341025	9.08%	0.389%
64	14.179	1161	1163	1165	rBV	465617	735607	19.58%	0.838%
65	14.282	1170	1172	1174	rBV2	261917	433597	11.54%	0.494%
66	14.328	1174	1176	1178	rVV2	243966	366465	9.75%	0.418%
67	14.442	1184	1186	1189	rVB3	332415	659187	17.54%	0.751%
68	14.637	1201	1203	1205	rVB	1184240	1498192	39.88%	1.707%
69	14.728	1210	1211	1214	rBV	295300	416218	11.08%	0.474%
70	14.922	1226	1228	1230	rBV	213315	371377	9.88%	0.423%
71	15.060	1238	1240	1242	rVB	519975	546419	14.54%	0.623%

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ClientSampleId :
SB4(13-14)

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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72	15.185	1249	1251	1253	rBV	1411293	1473362	39.21%	1.679%
73	15.300	1259	1261	1262	rBV	491457	523500	13.93%	0.596%
74	15.334	1262	1264	1267	rVV2	345471	560617	14.92%	0.639%
75	15.437	1271	1273	1277	rVB2	281544	491533	13.08%	0.560%
76	15.597	1285	1287	1290	rVB	443821	770382	20.50%	0.878%
77	15.665	1291	1293	1299	rBV2	302280	986331	26.25%	1.124%
78	15.825	1304	1307	1313	rVB3	624511	1214531	32.33%	1.384%
79	16.134	1331	1334	1336	rBV3	1286698	2585416	68.81%	2.946%
80	16.180	1336	1338	1340	rVB	1367495	1498118	39.87%	1.707%
81	16.260	1343	1345	1347	rVB	629253	847929	22.57%	0.966%
82	16.351	1351	1353	1355	rVB	398191	496582	13.22%	0.566%
83	16.603	1373	1375	1376	rBV2	345293	657406	17.50%	0.749%
84	16.648	1376	1379	1381	rVV	1692059	2449006	65.18%	2.790%
85	16.683	1381	1382	1384	rVV	928335	1151696	30.65%	1.312%
86	16.728	1384	1386	1388	rVB3	244033	394917	10.51%	0.450%
87	16.968	1405	1407	1409	rBV2	260351	375876	10.00%	0.428%
88	17.071	1414	1416	1418	rVV3	353865	723078	19.25%	0.824%
89	17.140	1421	1422	1424	rVV	463649	476712	12.69%	0.543%
90	17.185	1424	1426	1428	rVB	564671	733242	19.52%	0.835%
91	17.346	1438	1440	1443	rVB2	332159	502115	13.36%	0.572%
92	17.426	1445	1447	1452	rBV	497844	1055066	28.08%	1.202%
93	17.757	1473	1476	1478	rVB	737522	1070350	28.49%	1.220%
94	17.814	1478	1481	1484	rVV	747710	1011372	26.92%	1.152%
95	17.883	1484	1487	1489	rVB	785698	1158571	30.84%	1.320%
96	18.203	1513	1515	1517	rBV	492667	729744	19.42%	0.831%
97	18.248	1517	1519	1522	rVB	462270	646507	17.21%	0.737%
98	18.614	1549	1551	1554	rVB2	339329	546976	14.56%	0.623%
99	19.414	1619	1621	1624	rBV2	160637	341131	9.08%	0.389%
100	19.757	1648	1651	1660	rVB	349479	928484	24.71%	1.058%

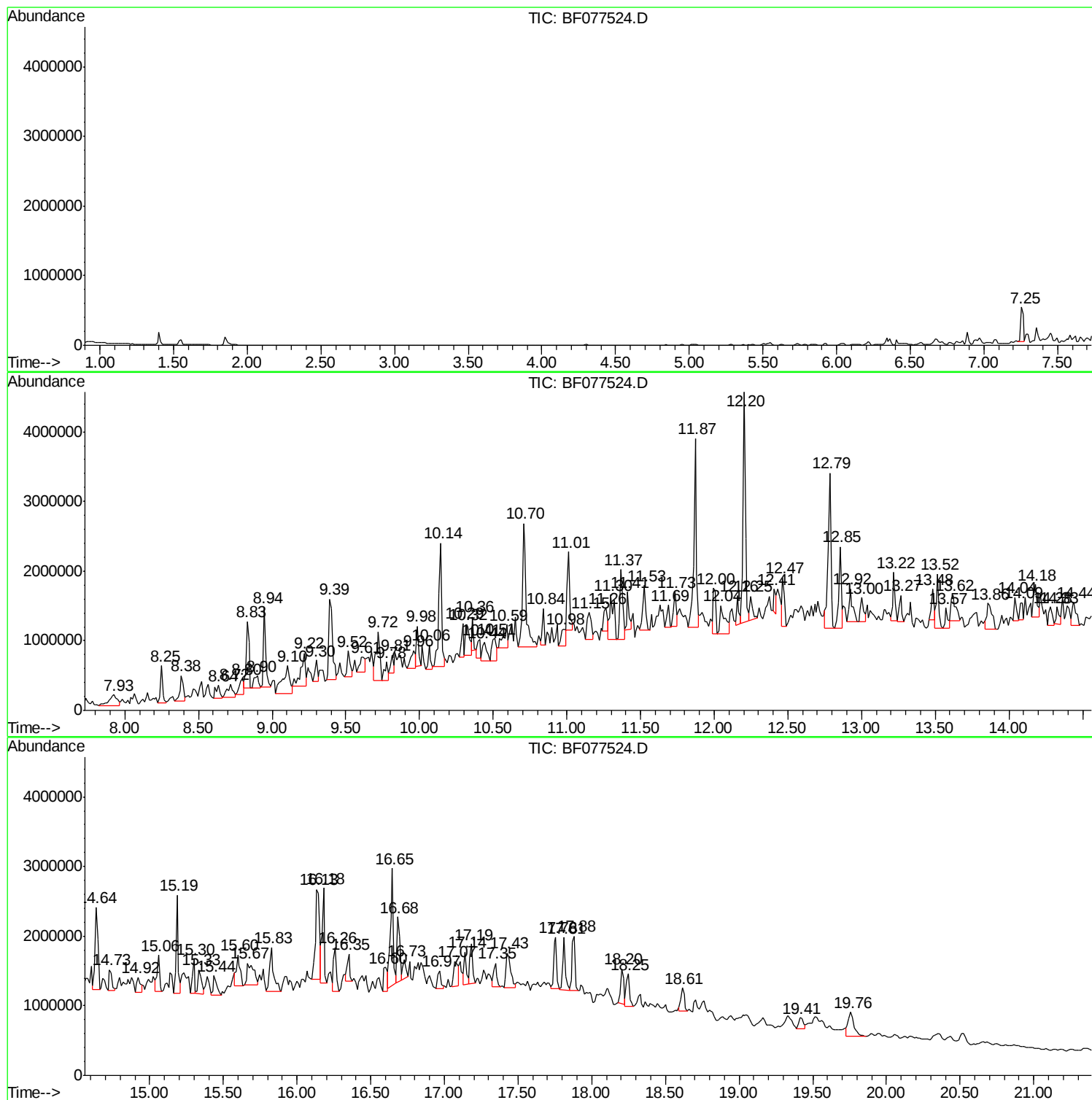
Sum of corrected areas: 87767692

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Instrument :
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ClientSampleId :
SB4(13-14)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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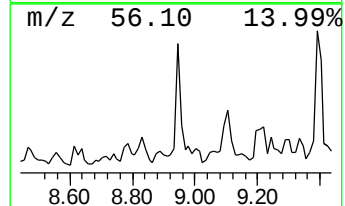
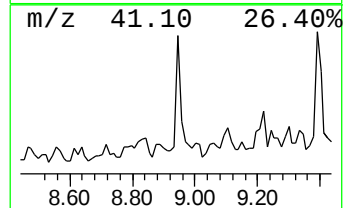
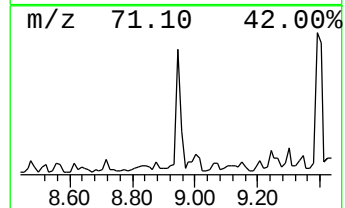
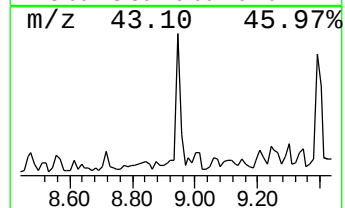
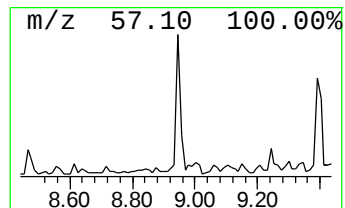
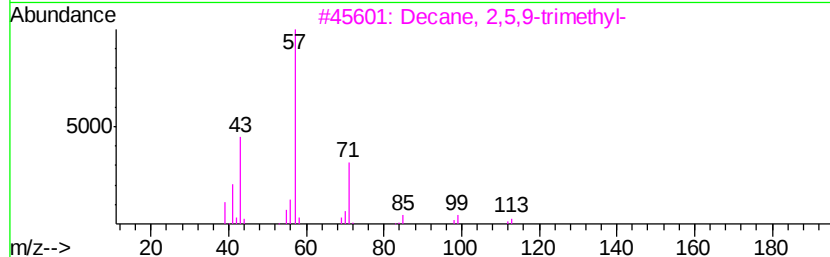
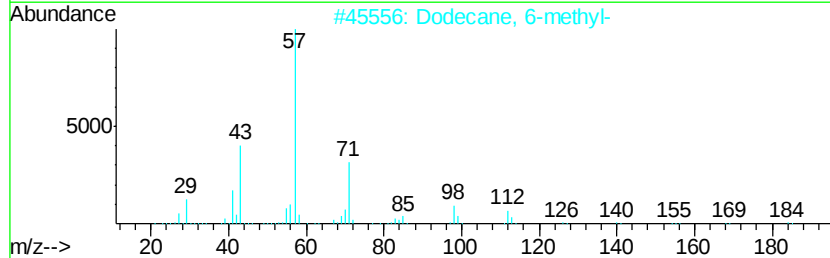
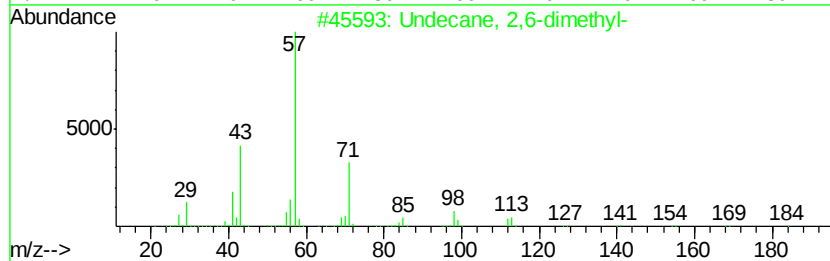
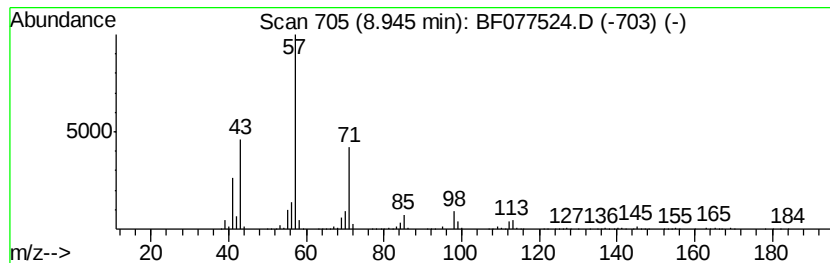
Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Undecane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.94	19.67 ng	1234560	Napthalene-d8	8.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	97
2	Dodecane, 6-methyl-		184	C13H28	006044-71-9	78
3	Decane, 2,5,9-trimethyl-		184	C13H28	062108-22-9	72
4	Decane, 6-ethyl-2-methyl-		184	C13H28	062108-21-8	72
5	Pentadecane, 7-methyl-		226	C16H34	006165-40-8	59



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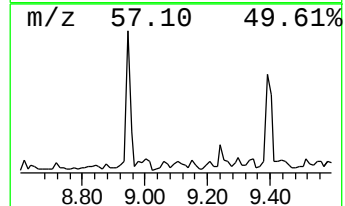
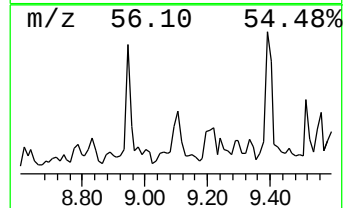
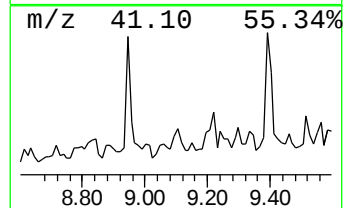
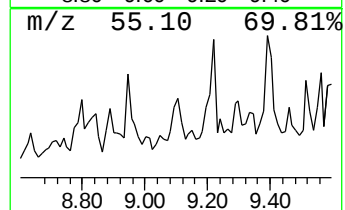
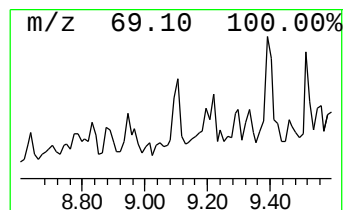
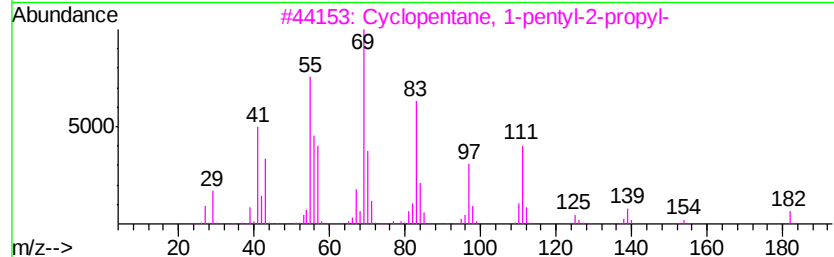
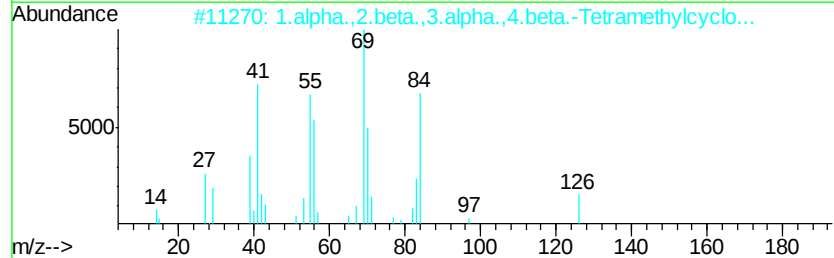
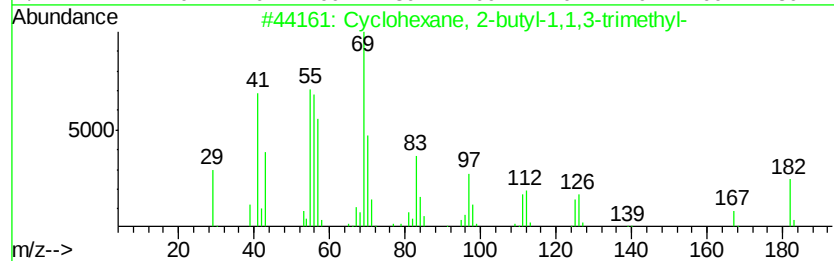
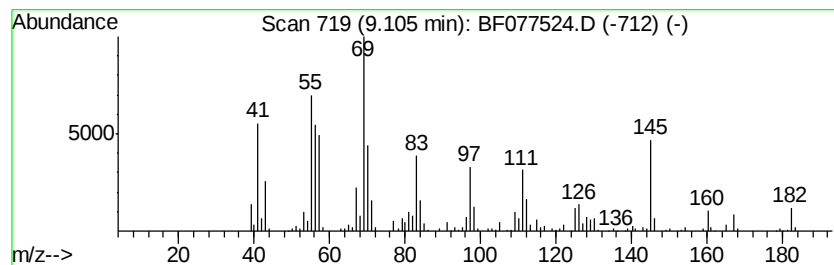
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	20.63 ng	1295030	Naphthalene-d8	8.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	90
2		1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	53
3		Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	52
4		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
5		Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	49



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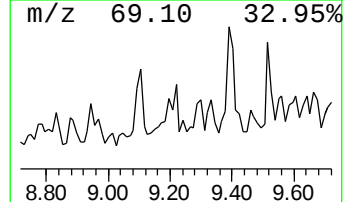
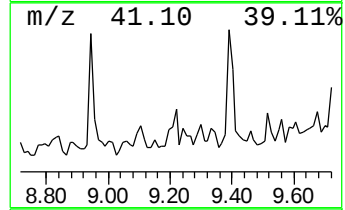
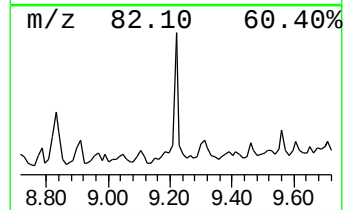
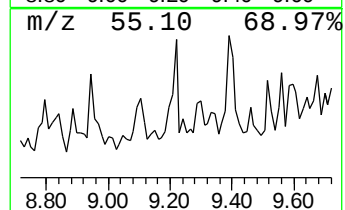
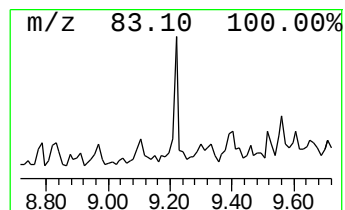
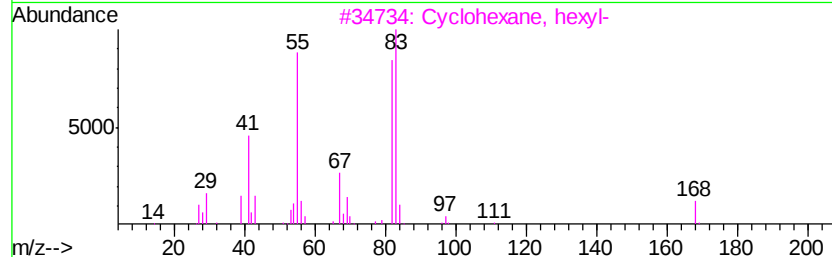
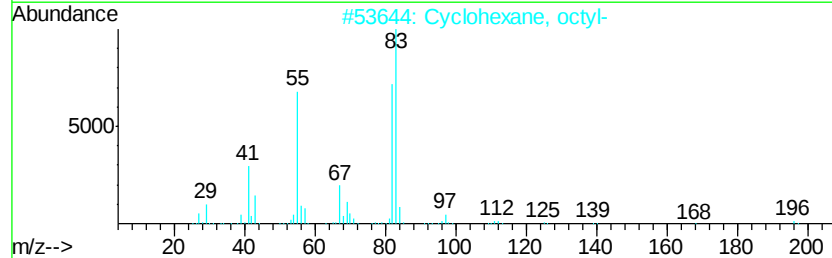
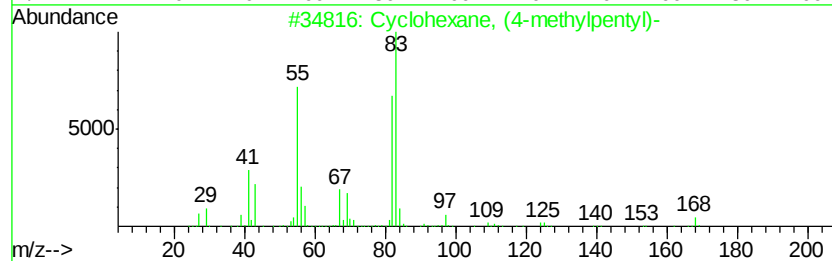
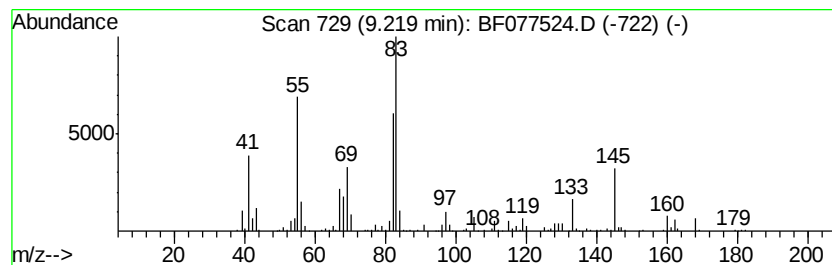
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, (4-methylpentyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	16.83 ng	1056340	Naphthalene-d8	8.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	59
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

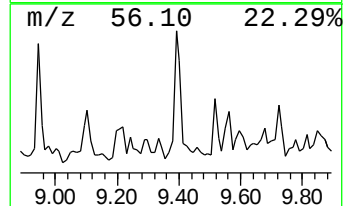
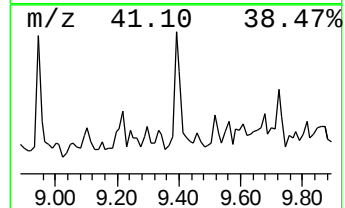
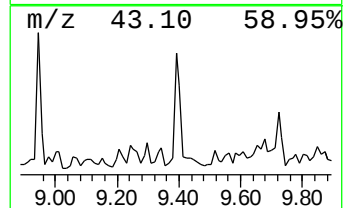
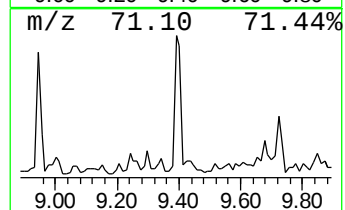
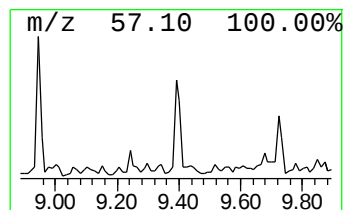
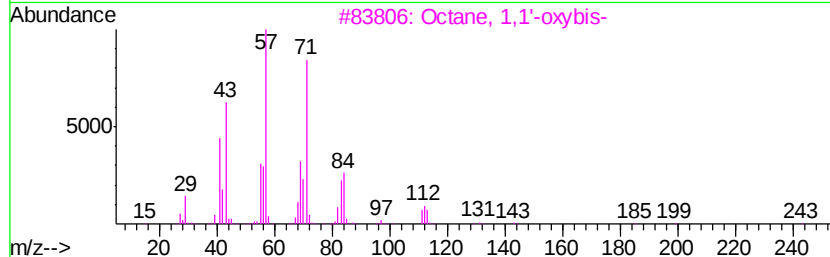
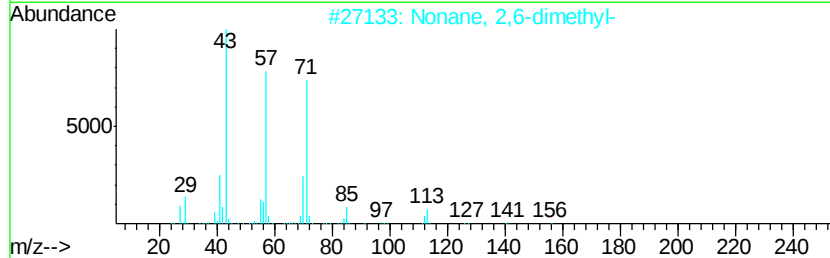
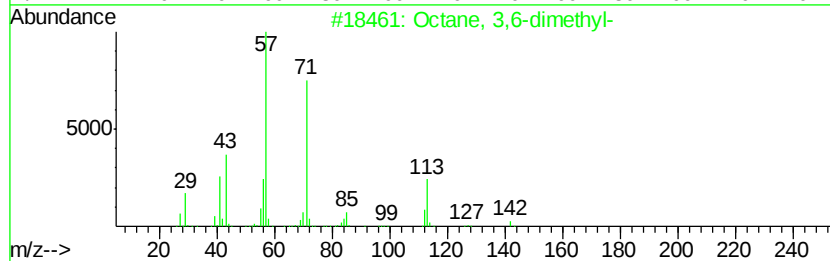
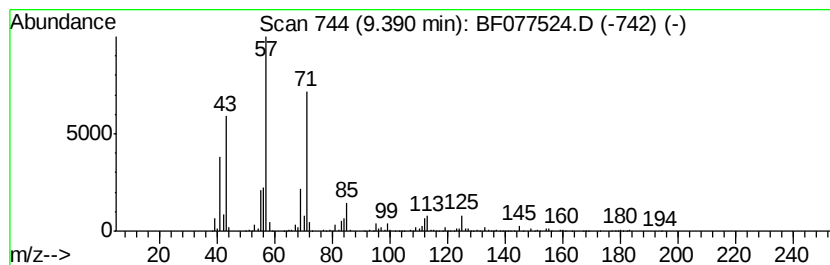
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octane, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	30.25 ng	1898770	Napthalene-d8	8.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
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Sample : G1399-14 5X
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(13-14)

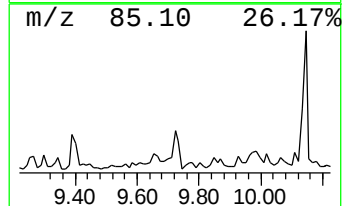
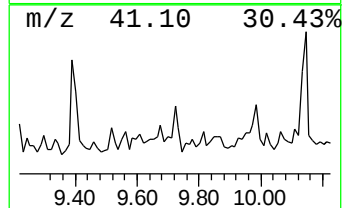
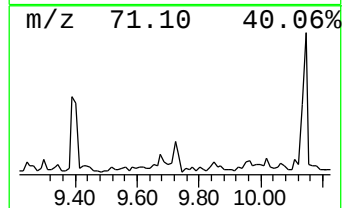
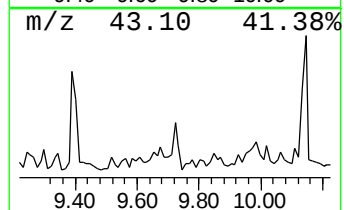
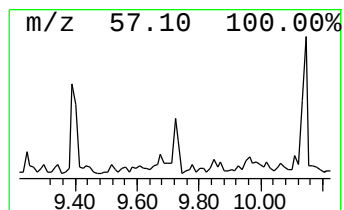
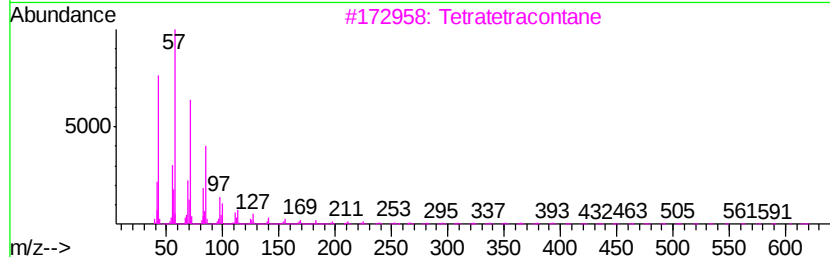
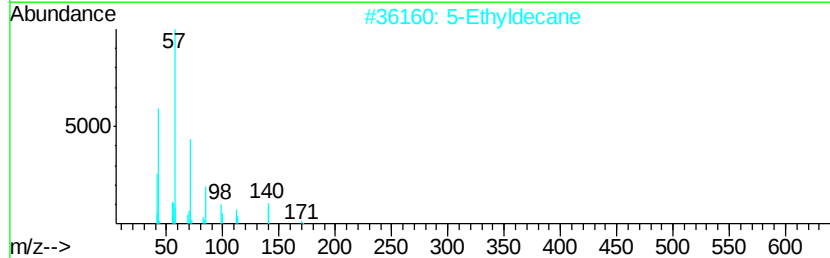
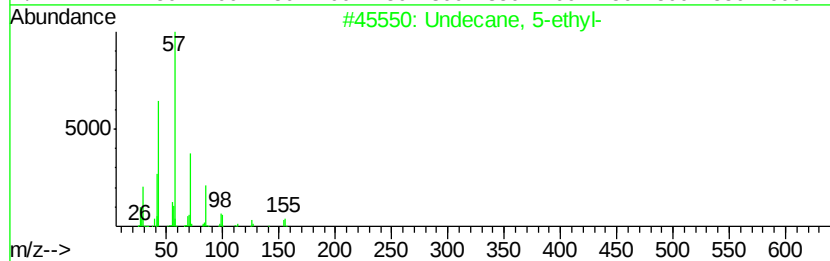
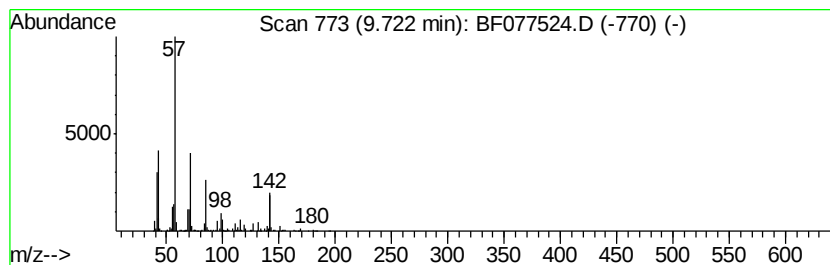
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Undecane, 5-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	20.63 ng	1294790	Naphthalene-d8	8.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
2			5-Ethyldecane	170	C12H26	017302-36-2	53
3			Tetratetracontane	619	C44H90	007098-22-8	50
4			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
5			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

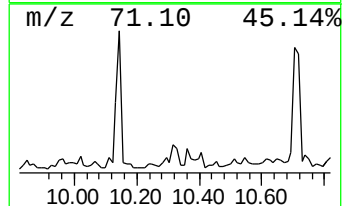
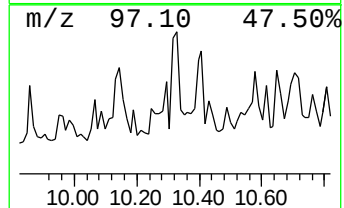
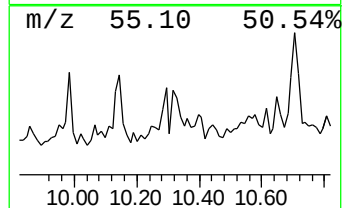
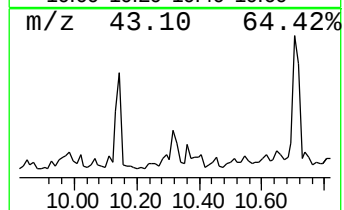
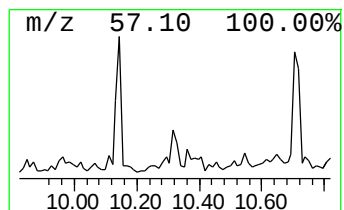
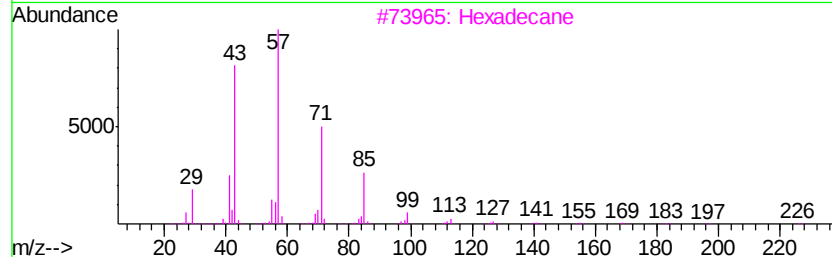
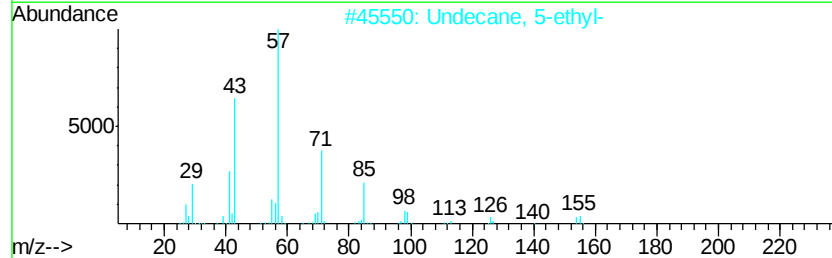
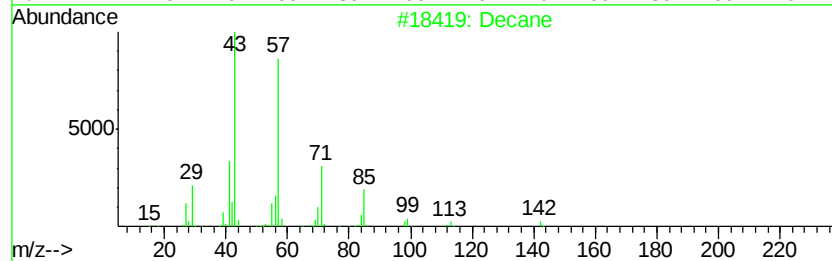
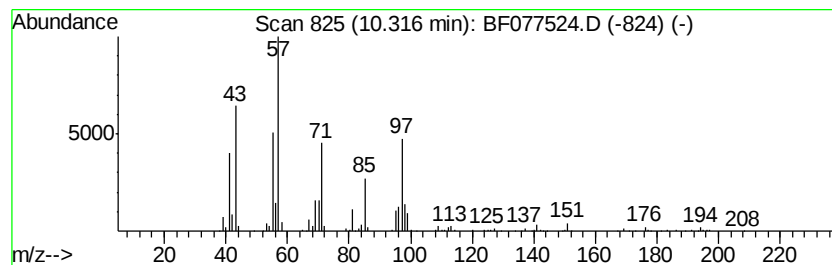
Instrument :
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ClientSampleId :
SB4(13-14)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Decane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	13.45 ng	888650	Acenaphthene-d10	11.01
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane		142 C10H22	000124-18-5 55
2	Undecane, 5-ethyl-		184 C13H28	017453-94-0 47
3	Hexadecane		226 C16H34	000544-76-3 46
4	Decane, 6-ethyl-2-methyl-		184 C13H28	062108-21-8 38
5	Heneicosane		296 C21H44	000629-94-7 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
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Misc : S
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
SB4(13-14)

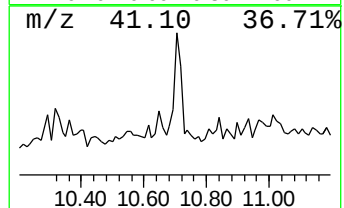
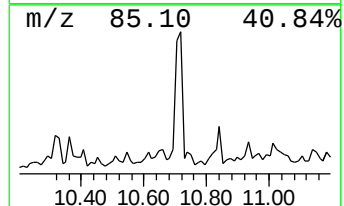
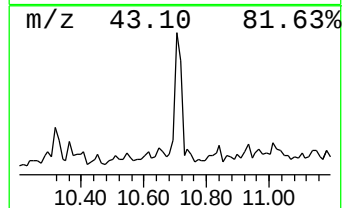
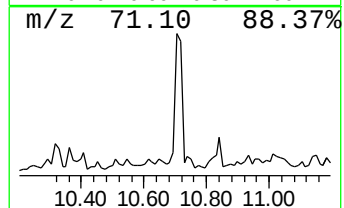
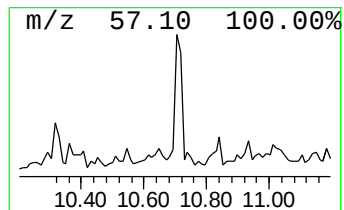
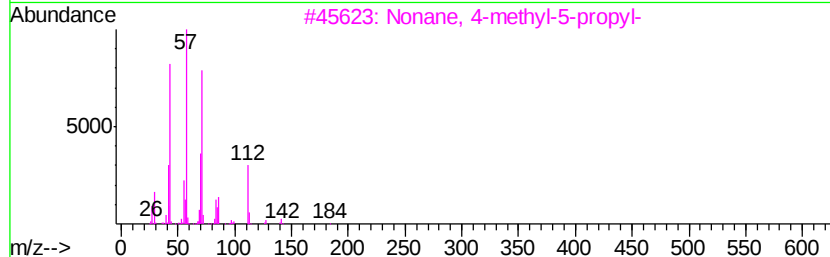
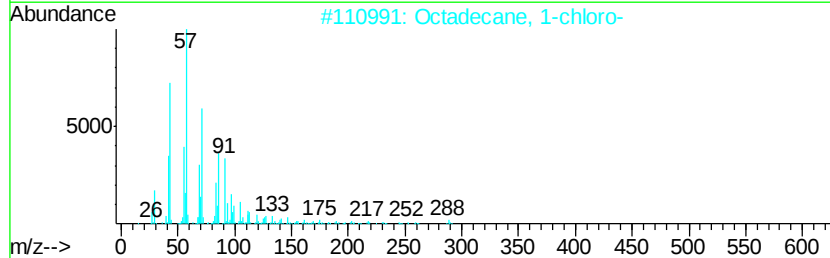
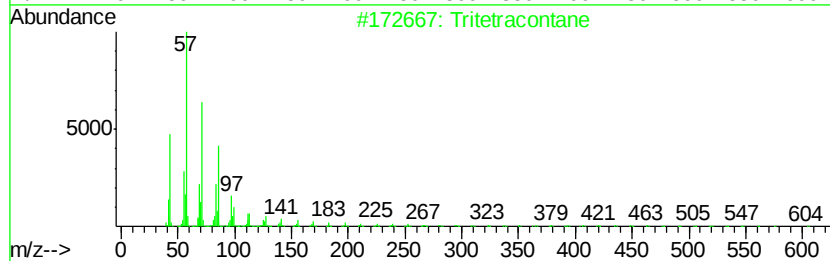
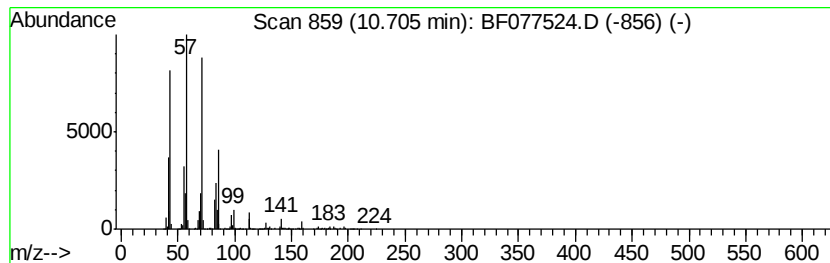
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Tritetracontane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	50.28 ng	3322830	Acenaphthene-d10	11.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tritetracontane	605	C43H88	007098-21-7	90
2		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	78
3		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	70
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
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Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(13-14)

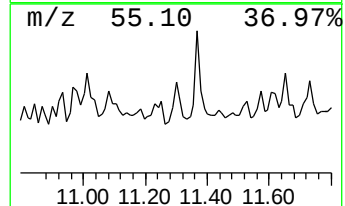
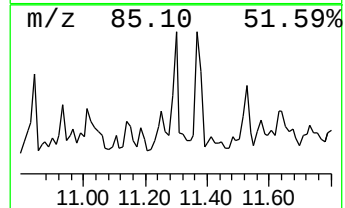
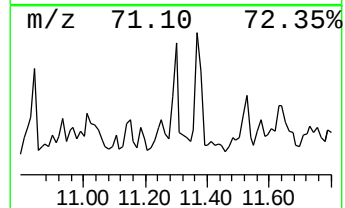
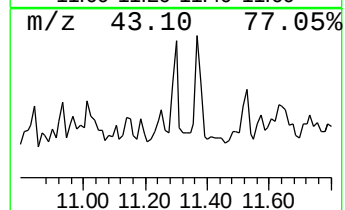
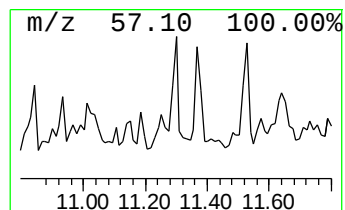
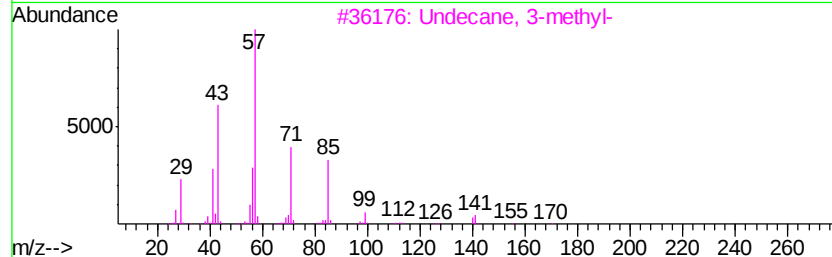
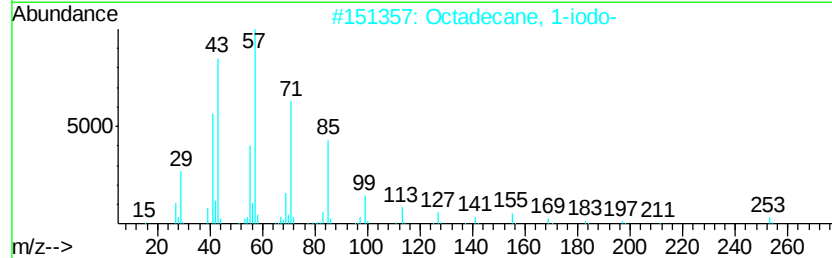
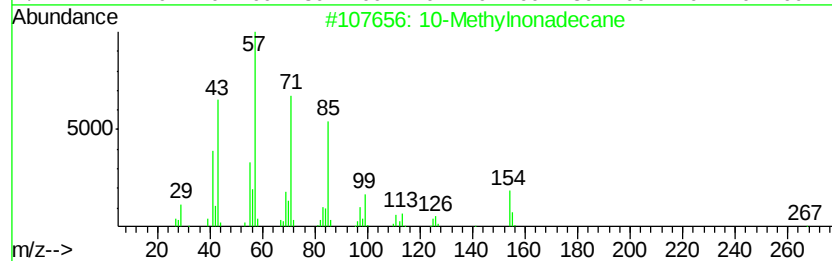
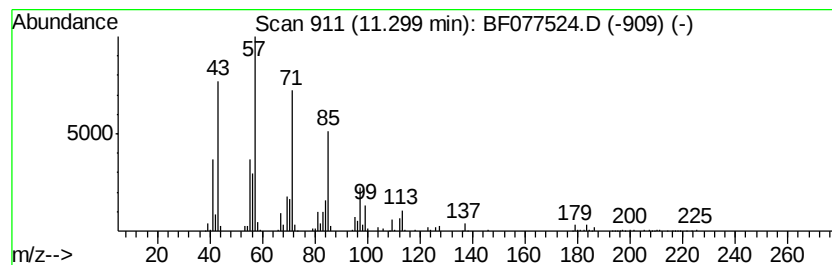
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 10-Methylnonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	19.45 ng	1285530	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Methylnonadecane	282	C20H42	056862-62-5	72
2		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	59
4		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53
5		Tridecane, 7-propyl-	226	C16H34	055045-09-5	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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ALS Vial : 5 Sample Multiplier: 1

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SB4(13-14)

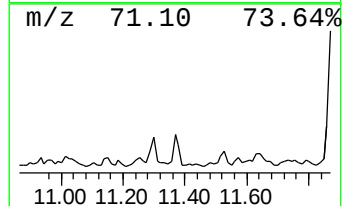
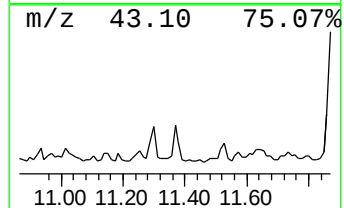
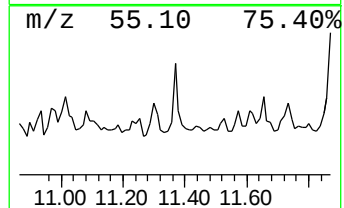
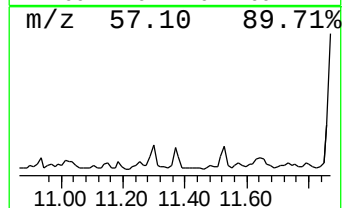
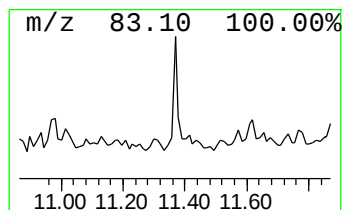
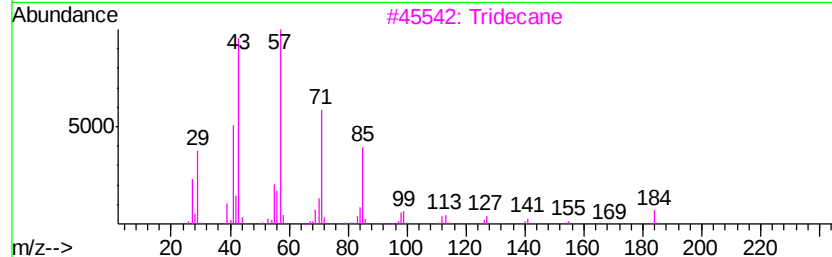
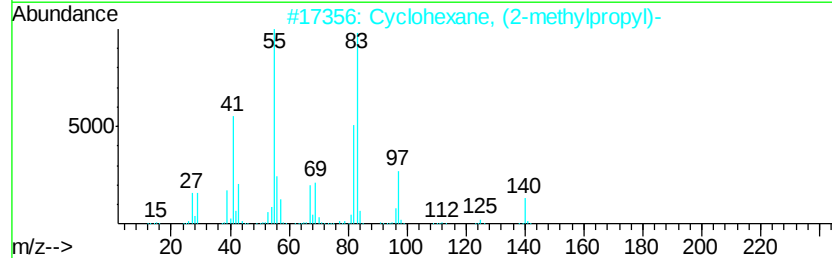
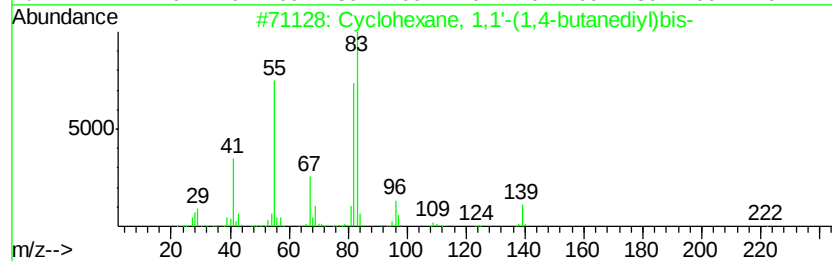
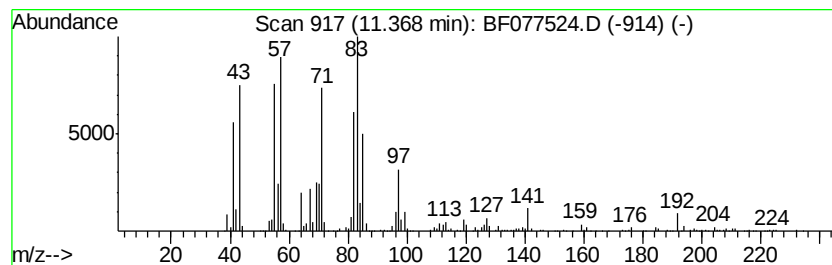
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	20.15 ng	1331900	Acenaphthene-d10	11.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1'-(1,4-butanediol)-	222	C16H30	006165-44-2	55
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	41
3		Tridecane	184	C13H28	000629-50-5	30
4		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	30
5		Nonadecane	268	C19H40	000629-92-5	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
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ALS Vial : 5 Sample Multiplier: 1

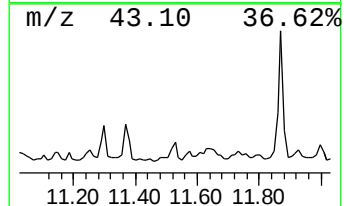
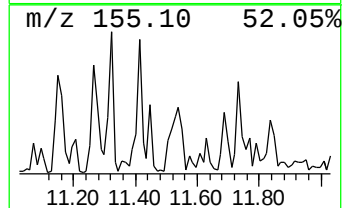
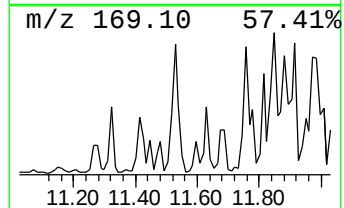
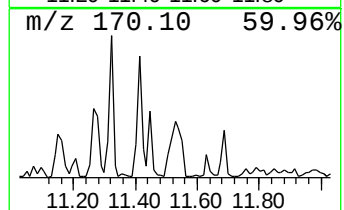
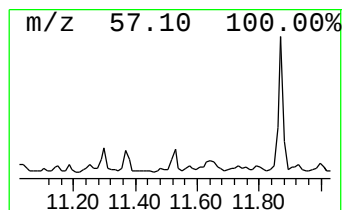
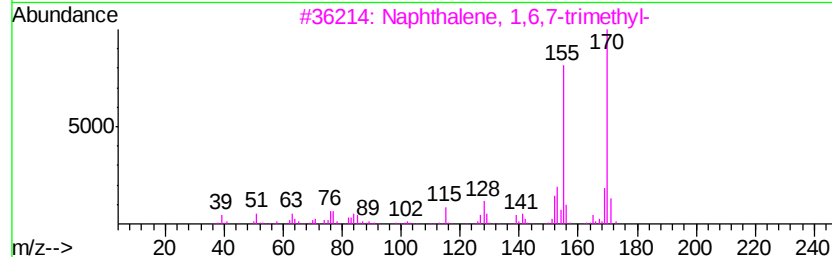
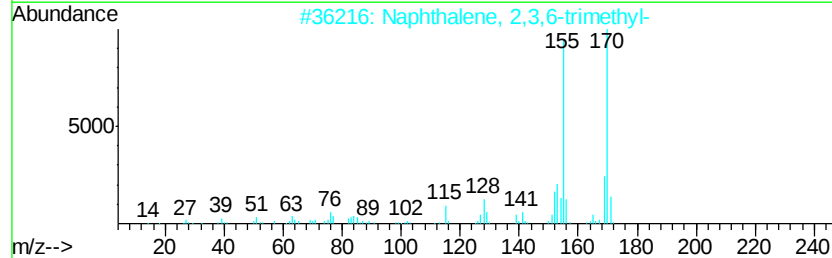
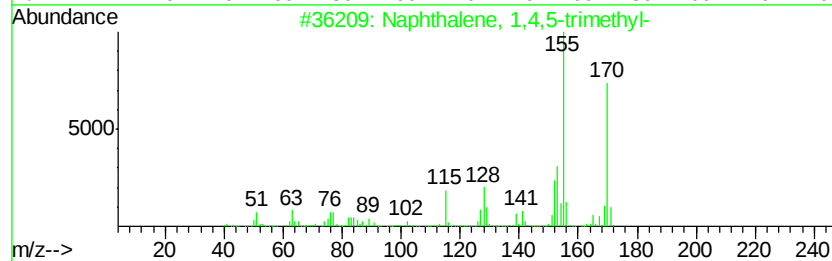
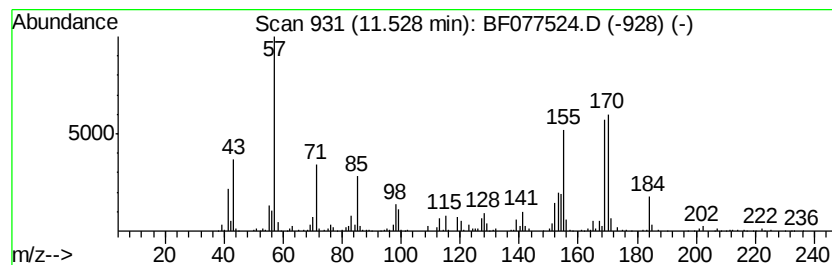
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ClientSampleId :
SB4(13-14)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,4,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.53	14.66 ng	968934	Acenaphthene-d10		11.01		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	55
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	53
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	53
4			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	46
5			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

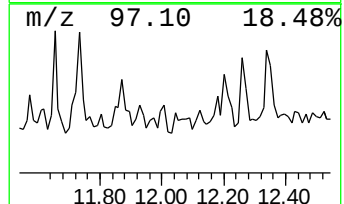
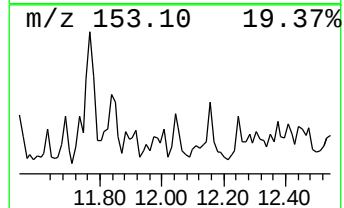
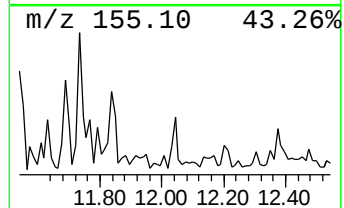
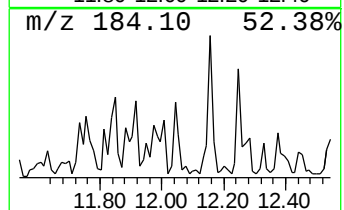
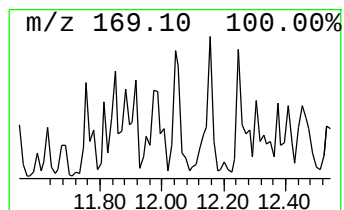
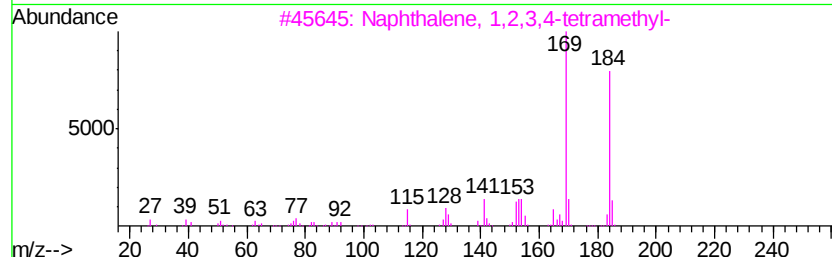
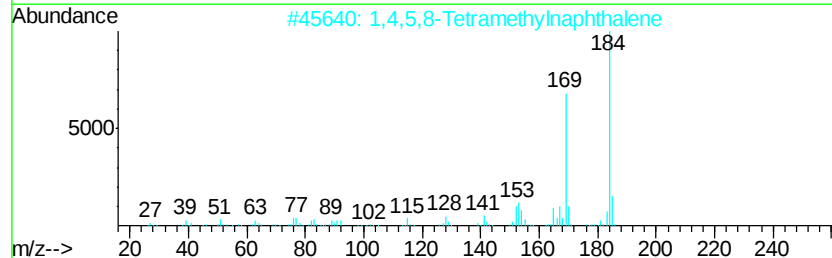
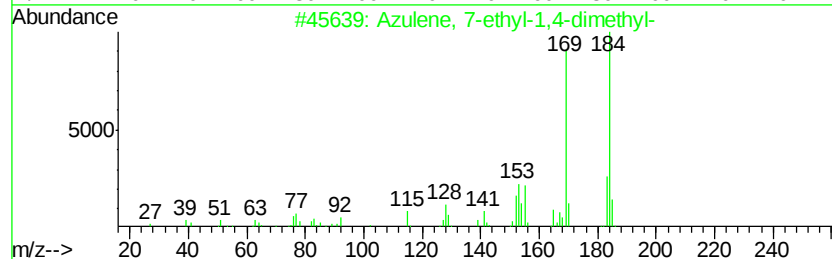
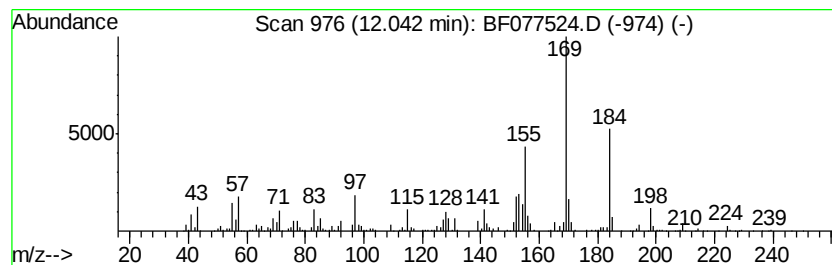
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	15.90 ng	1042580	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	81
2		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	76
3		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	68
4		Naphthalene, 1-methyl-7-(1-methyl...	184	C14H16	000490-65-3	64
5		Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(13-14)

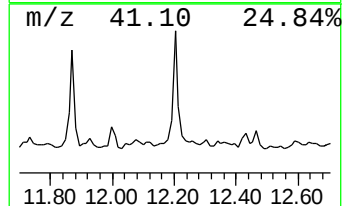
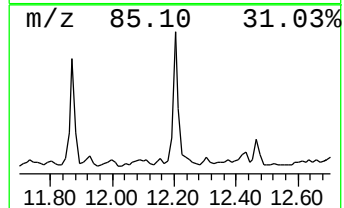
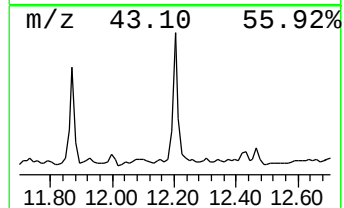
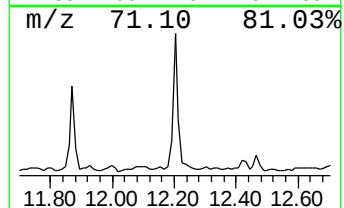
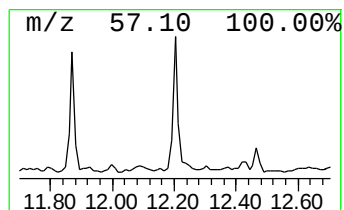
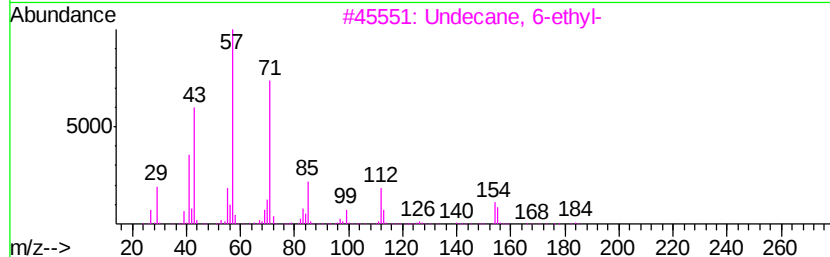
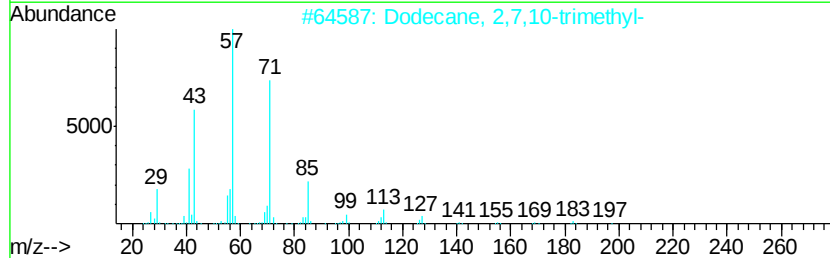
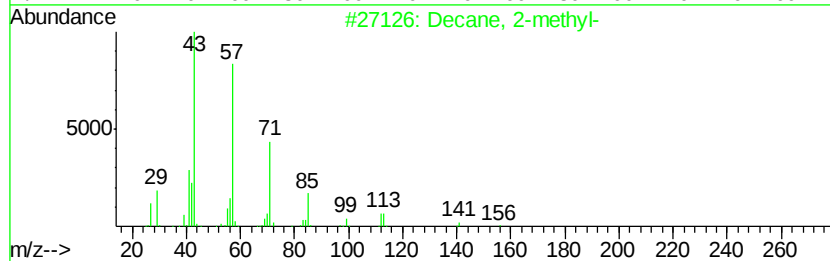
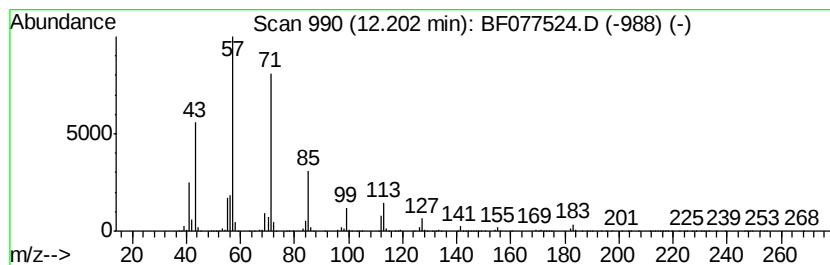
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Decane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	57.31 ng	3757210	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	86
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	78
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
5		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

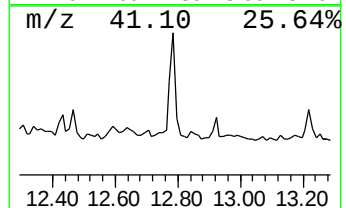
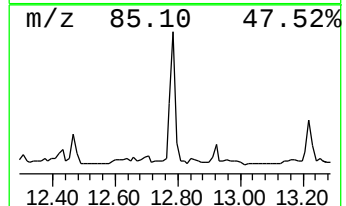
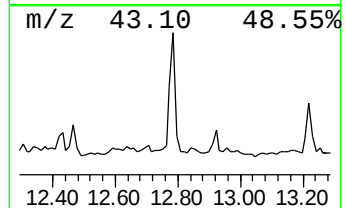
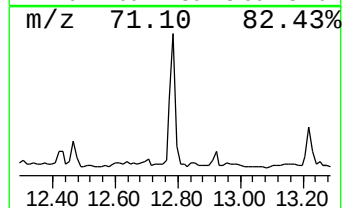
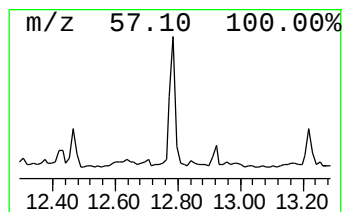
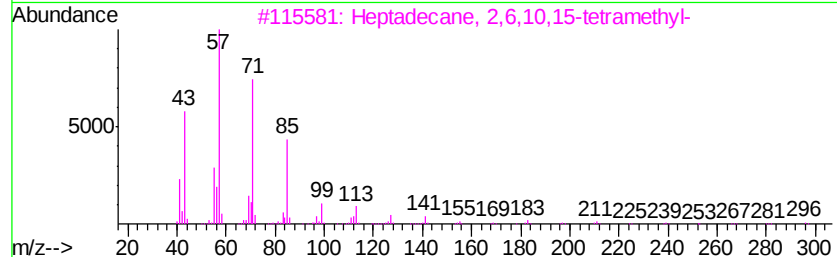
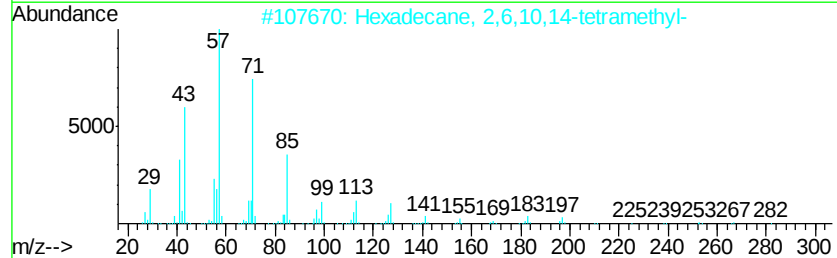
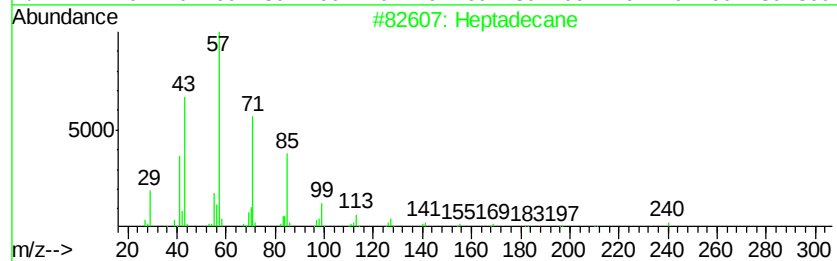
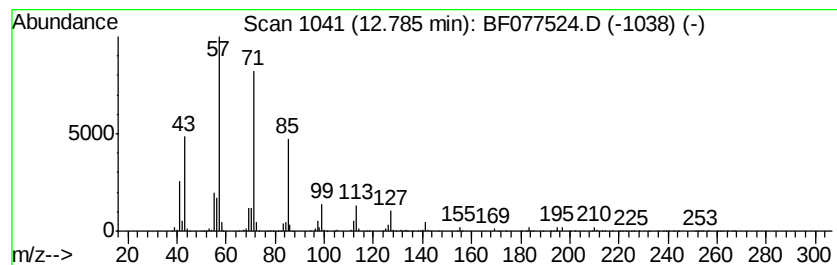
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ClientSampleId :
SB4(13-14)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.79	42.65 ng	2795920	Phenanthrene-d10	12.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
SB4(13-14)

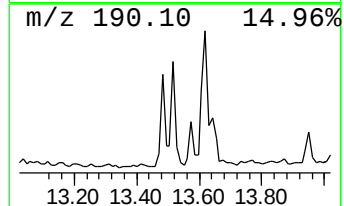
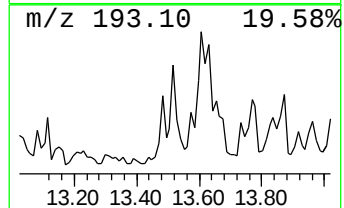
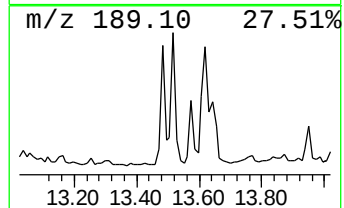
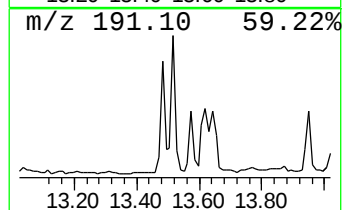
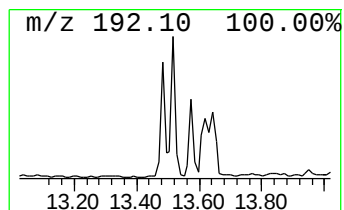
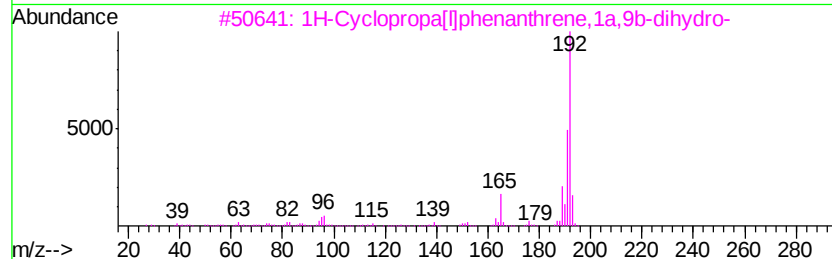
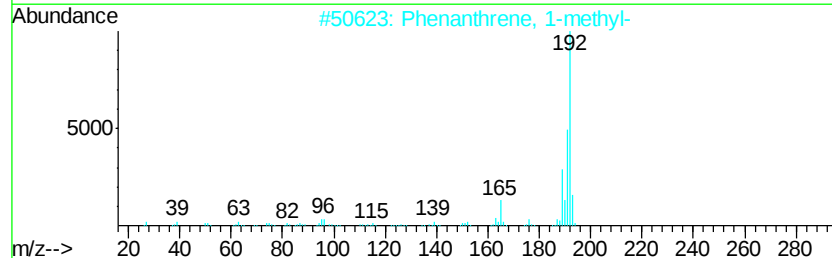
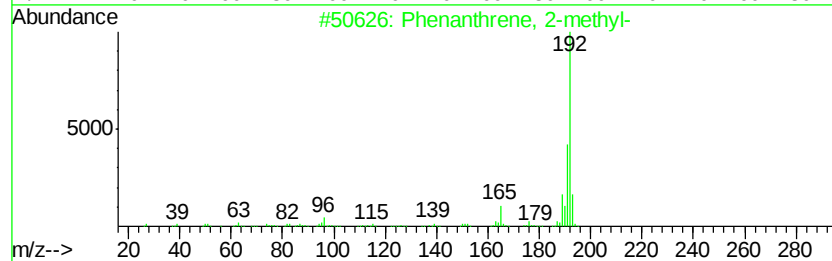
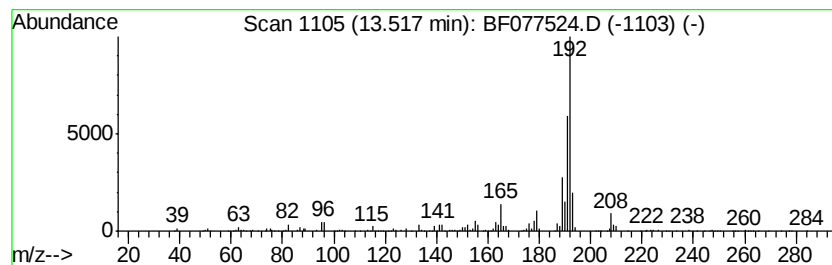
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	14.18 ng	929671	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

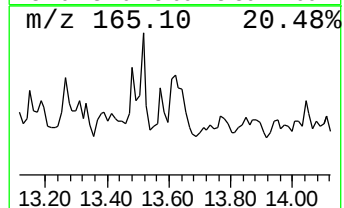
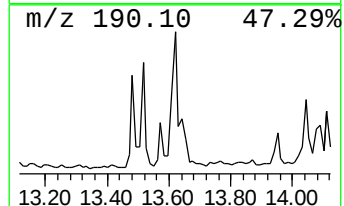
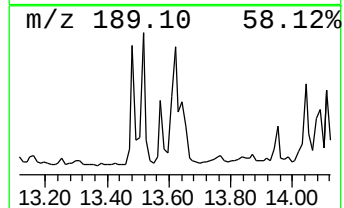
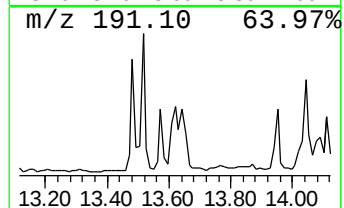
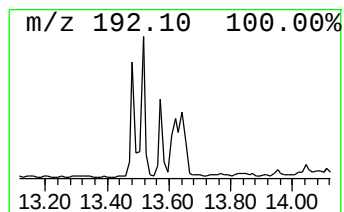
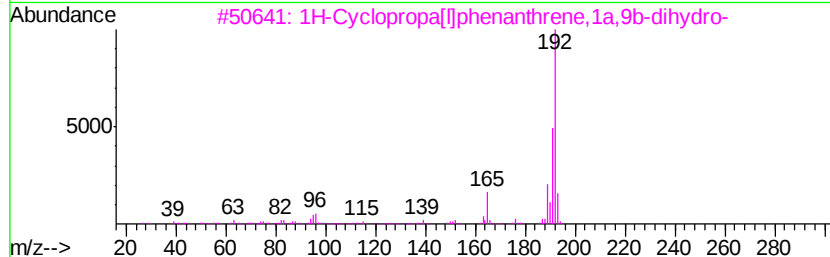
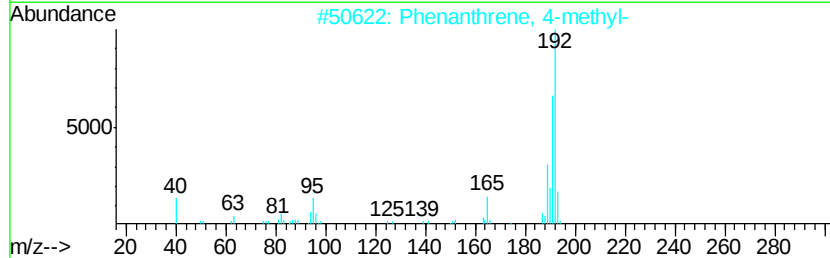
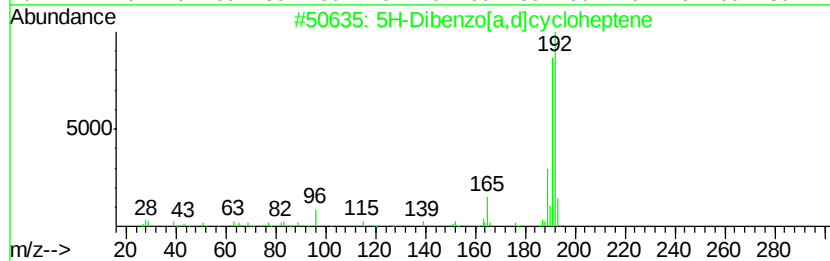
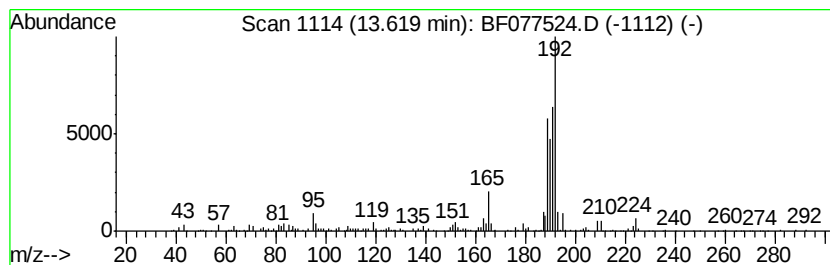
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 5H-Dibenzo[a,d]cycloheptene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	13.15 ng	862051	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
3		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	53
4		Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	53
5		5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Sample : G1399-14 5X
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ALS Vial : 5 Sample Multiplier: 1

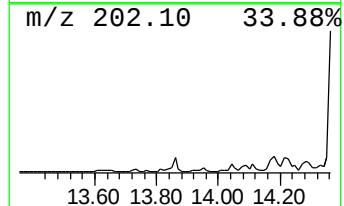
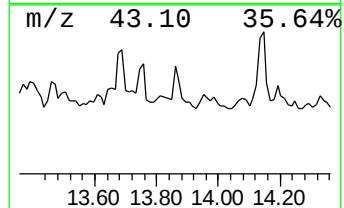
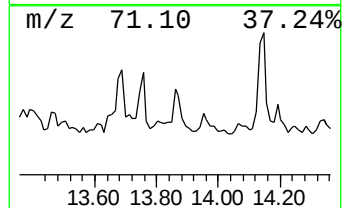
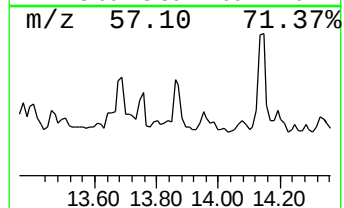
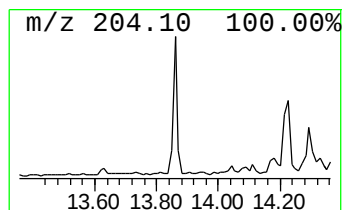
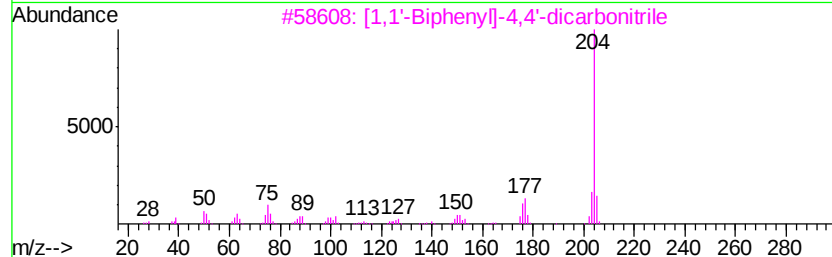
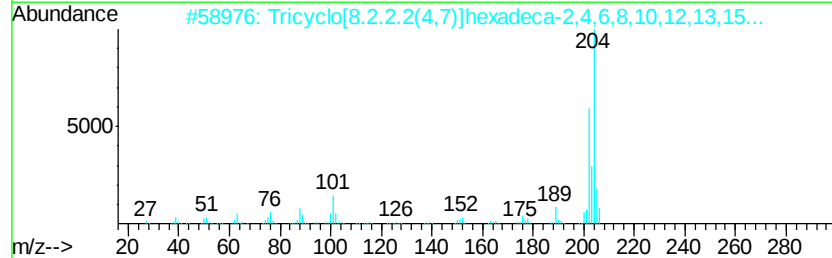
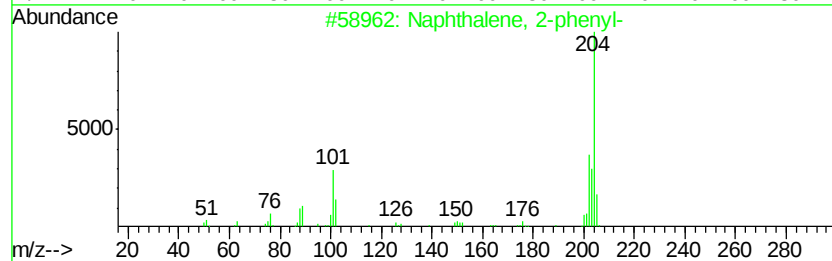
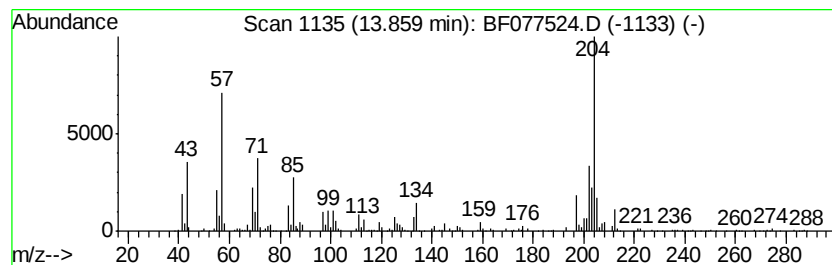
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ClientSampleId :
SB4(13-14)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	13.75 ng	901448	Phenanthrene-d10	12.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-phenyl-	204 C16H12	000612-94-2 60
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204 C16H12	006572-60-7 49
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204 C14H8N2	001591-30-6 46
4		Acephenanthrylene, 4,5-dihydro-	204 C16H12	006232-48-0 45
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204 C14H8N2	004341-02-0 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

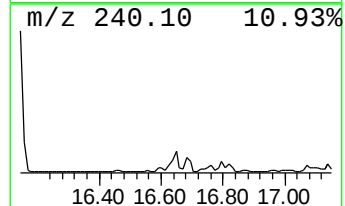
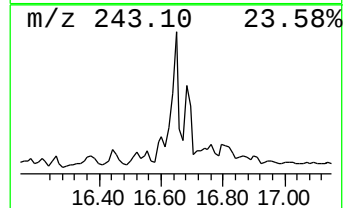
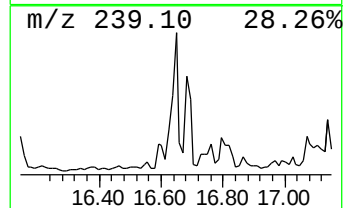
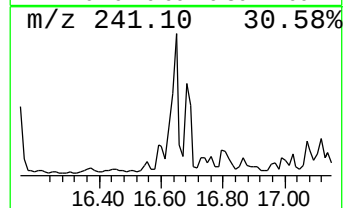
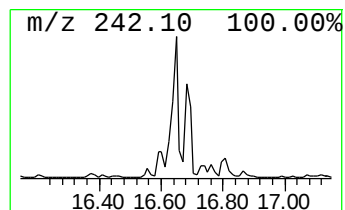
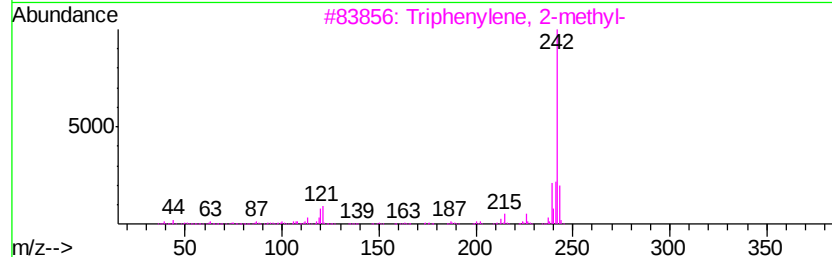
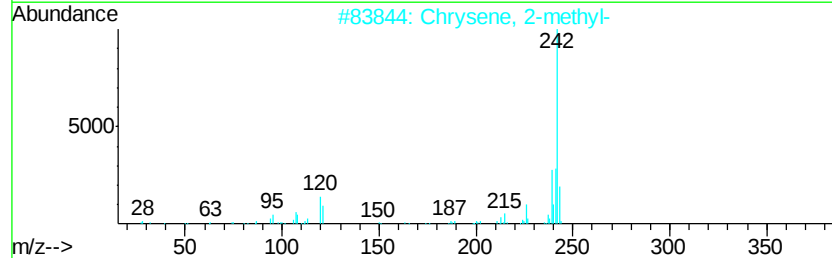
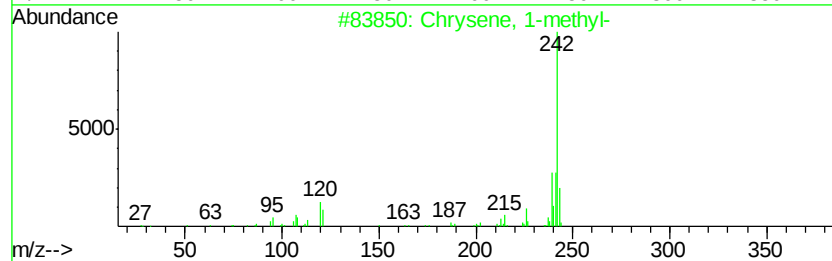
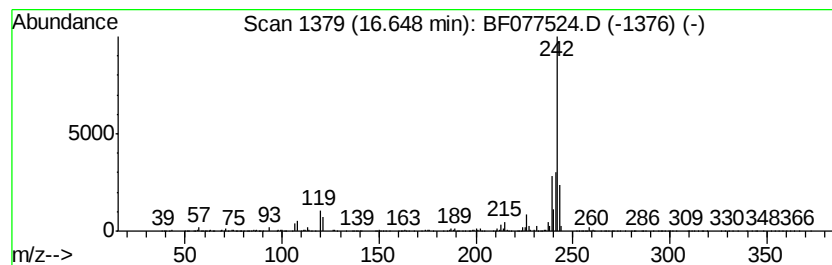
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Chrysene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	18.94 ng	2449010	Chrysene-d12	16.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2		Chrysene, 2-methyl-	242	C19H14	003351-32-4	96
3		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
4		Benz[<i>a</i>]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
5		Chrysene, 6-methyl-	242	C19H14	003697-24-3	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

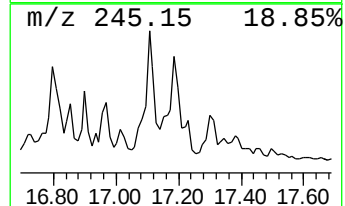
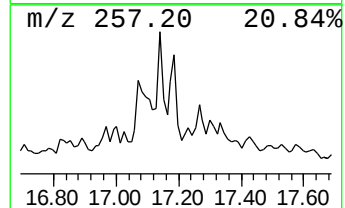
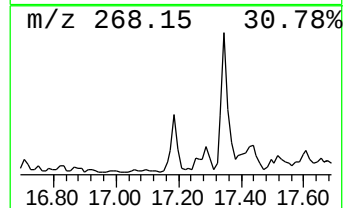
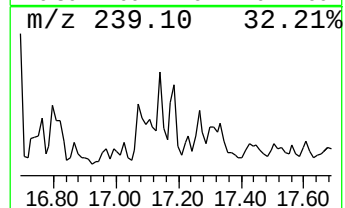
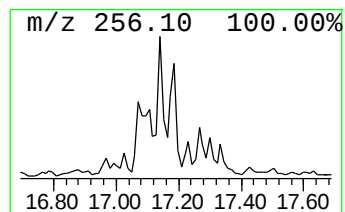
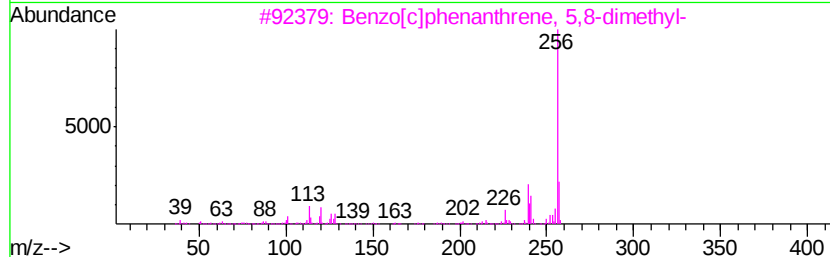
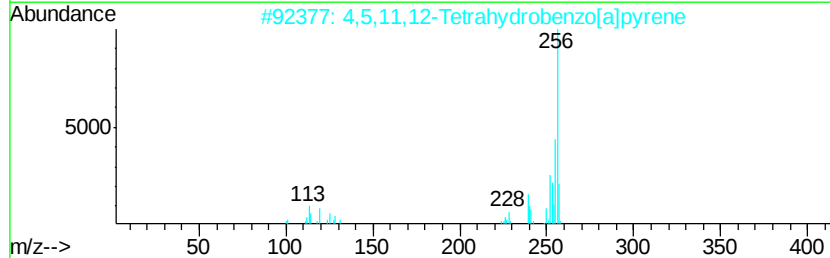
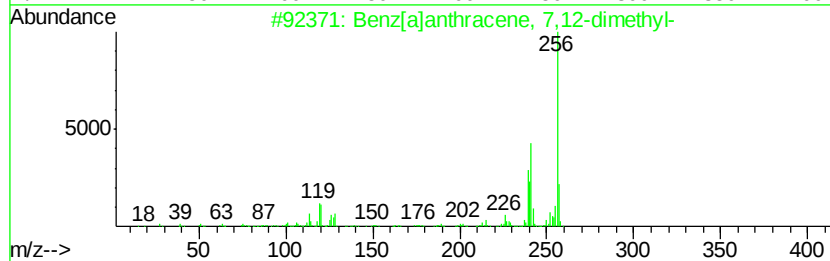
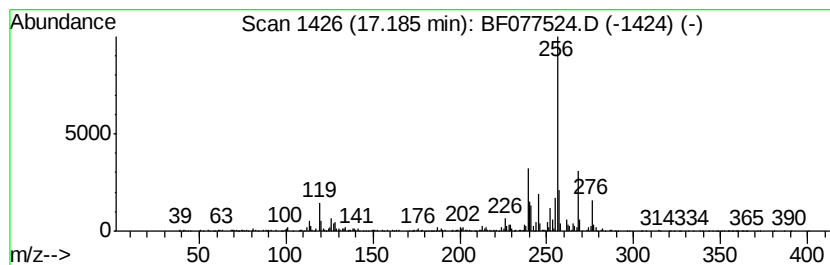
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benz[a]anthracene, 7,12-dim... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	12.66 ng	733242	Perylene-d12	17.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	78
2		4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	53
3		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	53
4		3,4-Dihydro-1,1'-binaphthalene	256	C20H16	021039-44-1	47
5		Methanone, bis(3-methoxyphenyl)-...	256	C15H16N2O2	067437-15-4	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

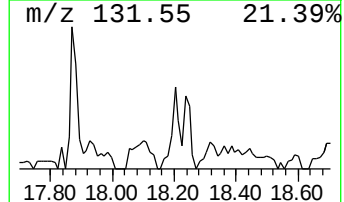
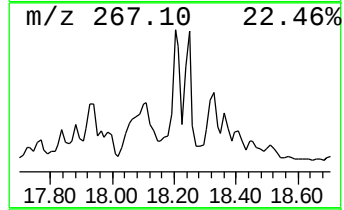
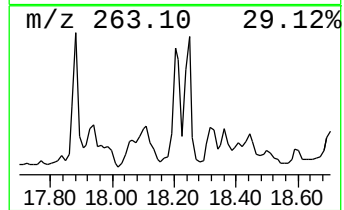
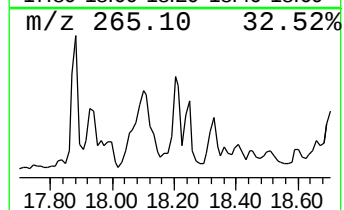
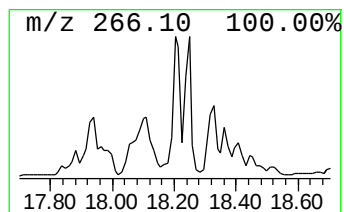
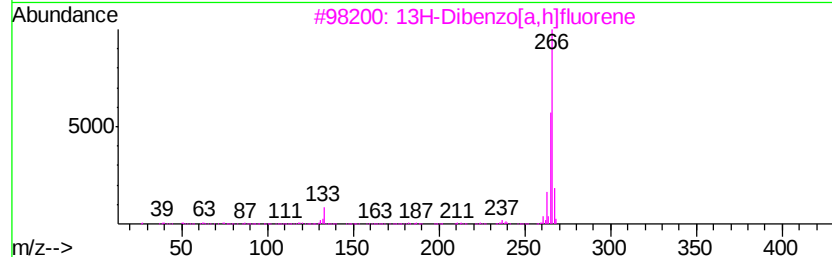
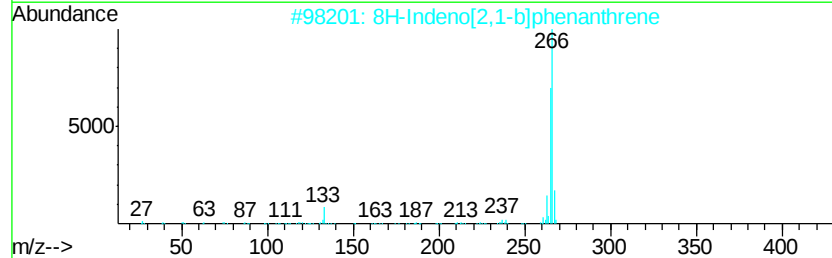
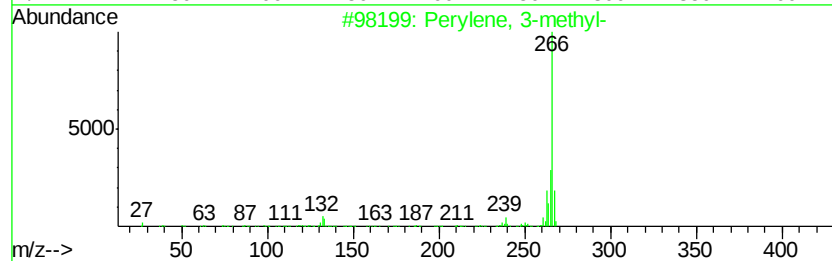
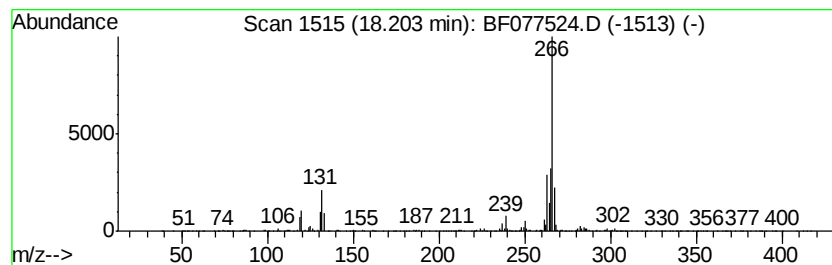
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Perylene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	12.60 ng	729744	Perylene-d12	17.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene, 3-methyl-	266	C21H14	024471-47-4	89
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	64
3		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	64
4		Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	59
5		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077524.D
 Acq On : 2 Mar 2015 16:05
 Operator : TP/IZ
 Sample : G1399-14 5X
 Misc : S
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Undecane, 2,6-dim...	8.94	19.7	ng	1234560	2	8.83	1255280	20.0
Cyclohexane, 2-bu...	9.10	20.6	ng	1295030	2	8.83	1255280	20.0
Cyclohexane, (4-m...	9.22	16.8	ng	1056340	2	8.83	1255280	20.0
Octane, 3,6-dimet...	9.39	30.3	ng	1898770	2	8.83	1255280	20.0
Undecane, 5-ethyl-	9.72	20.6	ng	1294790	2	8.83	1255280	20.0
Decane	10.32	13.4	ng	888650	3	11.01	1321740	20.0
Tritetracontane	10.70	50.3	ng	3322830	3	11.01	1321740	20.0
10-Methylnonadecane	11.30	19.4	ng	1285530	3	11.01	1321740	20.0
Cyclohexane, 1,1'...	11.37	20.1	ng	1331900	3	11.01	1321740	20.0
Naphthalene, 1,4,...	11.53	14.7	ng	968934	3	11.01	1321740	20.0
Azulene, 7-ethyl-...	12.04	15.9	ng	1042580	4	12.85	1311190	20.0
Decane, 2-methyl-	12.20	57.3	ng	3757210	4	12.85	1311190	20.0
Heptadecane	12.79	42.6	ng	2795920	4	12.85	1311190	20.0
Phenanthrene, 2-m...	13.52	14.2	ng	929671	4	12.85	1311190	20.0
5H-Dibenzo[a,d]cy...	13.62	13.2	ng	862051	4	12.85	1311190	20.0
Naphthalene, 2-ph...	13.86	13.8	ng	901448	4	12.85	1311190	20.0
Chrysene, 1-methyl-	16.65	18.9	ng	2449010	5	16.15	2585420	20.0
Benz[a]anthracene...	17.19	12.7	ng	733242	6	17.88	1158570	20.0
Perylene, 3-methyl-	18.20	12.6	ng	729744	6	17.88	1158570	20.0