LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040919\
Data File : BF113663.D
Acq On : 9 Apr 2019 16:06
Operator : JU/SJ
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20190177-AMND-COMP-CS-4

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: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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	4.851	466	470	483	rBV	405869	545942	20.23%	1.748%
2	5.292	542	545	561	rBV	1371851	1630855	60.42%	5.223%
3	6.122	680	686	691	rBV2	24966	31553	1.17%	0.101%
4	6.328	718	721	734	rBV	1809611	2127779	78.83%	6.814%
5	6.451	738	742	749	rVV	2153760	1964743	72.79%	6.292%
6	6.504	749	751	760	rVB2	30621	42352	1.57%	0.136%
7	6.675	777	780	788	rBV	579847	581525	21.54%	1.862%
8	6.804	798	802	804	rBV2	30173	41690	1.54%	0.134%
9	6.833	804	807	816	rVB	1932065	1695784	62.82%	5.431%
10	6.957	823	828	833	rVB3	31068	37471	1.39%	0.120%
11	7.245	873	877	887	rBV	1337843	1341611	49.70%	4.297%
12	7.386	898	901	907	rVB	68653	71670	2.66%	0.230%
13	7.457	908	913	915	rVB	34999	32402	1.20%	0.104%
14	7.963	995	999	1009	rBV	675980	773565	28.66%	2.477%
15	8.386	1068	1071	1073	rBV	32166	30553	1.13%	0.098%
16	8.498	1086	1090	1093	rBV	117275	104270	3.86%	0.334%
17	8.639	1111	1114	1118	rVB	773004	620844	23.00%	1.988%
18	8.775	1134	1137	1141	rVB2	29709	30981	1.15%	0.099%
19	8.986	1170	1173	1177	rVB	44943	33188	1.23%	0.106%
20	9.033	1177	1181	1189	rBV	2850219	2488940	92.21%	7.971%
21	9.098	1189	1192	1195	rBV2	45610	53439	1.98%	0.171%
22	9.233	1211	1215	1221	rVB3	23347	33459	1.24%	0.107%
23	9.310	1223	1228	1231	rBV4	31254	39222	1.45%	0.126%
24	9.369	1235	1238	1241	rBV2	133141	131596	4.88%	0.421%
25	9.427	1241	1248	1252	rBV	293915	331855	12.29%	1.063%
26	9.575	1270	1273	1276	rBV2	31955	44753	1.66%	0.143%
27	9.622	1279	1281	1283	rVB2	39900	31735	1.18%	0.102%
28	9.663	1283	1288	1290	rBV2	50374	78655	2.91%	0.252%
29	9.710	1290	1296	1299	rVV	954339	927067	34.34%	2.969%
30	9.739	1299	1301	1305	rVB	83486	79018	2.93%	0.253%
31	9.827	1312	1316	1319	rVB3	37010	51597	1.91%	0.165%
32	9.916	1328	1331	1333	rBV3	48915	44152	1.64%	0.141%
33	9.957	1336	1338	1345	rVB3	43120	57566	2.13%	0.184%
34	10.027	1348	1350	1354	rBV3	36570	42794	1.59%	0.137%

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Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20190177-AMND-COMP-CS-4

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: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.063	1354	1356	1361	rVB2	21429	30098	1.12%	0.096%
36	10.116	1361	1365	1367	rBV3	37509	44226	1.64%	0.142%
37	10.257	1383	1389	1395	rVB2	105429	194093	7.19%	0.622%
38	10.369	1405	1408	1413	rVB2	60978	63843	2.37%	0.204%
39	10.416	1414	1416	1420	rVB2	36627	42752	1.58%	0.137%
40	10.498	1424	1430	1441	rBV	1381824	1486666	55.08%	4.761%
41	10.610	1446	1449	1451	rBV	183816	173221	6.42%	0.555%
42	10.627	1451	1452	1460	rVB4	87895	122369	4.53%	0.392%
43	10.692	1460	1463	1466	rBV2	37128	52356	1.94%	0.168%
44	10.792	1477	1480	1484	rVB2	126607	118393	4.39%	0.379%
45	10.833	1484	1487	1492	rVB5	30342	38243	1.42%	0.122%
46	11.063	1521	1526	1528	rBV2	58248	99062	3.67%	0.317%
47	11.092	1528	1531	1534	rVB2	94953	95835	3.55%	0.307%
48	11.139	1537	1539	1544	rBV2	43082	56136	2.08%	0.180%
49	11.192	1544	1548	1550	rBV	985673	912014	33.79%	2.921%
50	11.216	1550	1552	1557	rVV	455582	458182	16.97%	1.467%
51	11.269	1558	1561	1564	rVB	97629	75867	2.81%	0.243%
52	11.310	1564	1568	1571	rBV4	38392	65562	2.43%	0.210%
53	11.363	1574	1577	1582	rBV	104284	111529	4.13%	0.357%
54	11.433	1586	1589	1594	rVV2	71496	97884	3.63%	0.313%
55	11.692	1631	1633	1635	rBV	76329	63521	2.35%	0.203%
56	11.727	1636	1639	1644	rVV3	226658	251677	9.32%	0.806%
57	11.804	1649	1652	1655	rBV	140038	129739	4.81%	0.415%
58	12.245	1724	1727	1730	rVB	63616	61665	2.28%	0.197%
59	12.404	1750	1754	1758	rVB	780575	654006	24.23%	2.094%
60	12.627	1787	1792	1800	rBV	599585	828454	30.69%	2.653%
61	12.774	1812	1817	1820	rBV	2976756	2699331	100.00%	8.645%
62	12.857	1826	1831	1834	rBV3	50613	81529	3.02%	0.261%
63	12.910	1838	1840	1842	rVB2	36886	30138	1.12%	0.097%
64	12.963	1842	1849	1853	rVB	139696	187948	6.96%	0.602%
65	13.027	1857	1860	1863	rVV	116061	103126	3.82%	0.330%
66	13.063	1864	1866	1873	rVB3	65794	92320	3.42%	0.296%
67	13.186	1885	1887	1892	rBV3	28887	32522	1.20%	0.104%
68	13.445	1928	1931	1934	rBV4	38178	52816	1.96%	0.169%
69	13.580	1951	1954	1956	rBV	59923	64915	2.40%	0.208%
70	13.804	1988	1992	1994	rBV	1527374	1539338	57.03%	4.930%
71	13.821	1994	1995	1998	rVV	950510	911592	33.77%	2.919%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.851	1998	2000	2009	rVB	326428	353759	13.11%	1.133%
73	13.986	2021	2023	2027	rVB	56133	49318	1.83%	0.158%
74	14.215	2060	2062	2065	rVB	65509	50126	1.86%	0.161%
75	14.292	2072	2075	2077	rBV	95530	78039	2.89%	0.250%
76	14.586	2122	2125	2131	rVV	94784	98515	3.65%	0.315%
77	14.651	2134	2136	2140	rVB	64714	62705	2.32%	0.201%
78	14.839	2164	2168	2171	rBV	231260	319671	11.84%	1.024%
79	14.892	2175	2177	2182	rVB2	115269	131782	4.88%	0.422%
80	14.945	2183	2186	2193	rVB	42516	59532	2.21%	0.191%
81	15.115	2212	2215	2221	rVV	126339	153214	5.68%	0.491%
82	15.174	2222	2225	2229	rVV	181531	224552	8.32%	0.719%
83	15.233	2230	2235	2250	rVB	631407	933531	34.58%	2.990%
84	15.633	2300	2303	2308	rVB2	59585	78005	2.89%	0.250%
85	16.598	2462	2467	2477	rVB	104234	213703	7.92%	0.684%
86	17.003	2532	2536	2545	rVB	53925	121041	4.48%	0.388%

Sum of corrected areas: 31225087

LSC Report - Integrated Chromatogram

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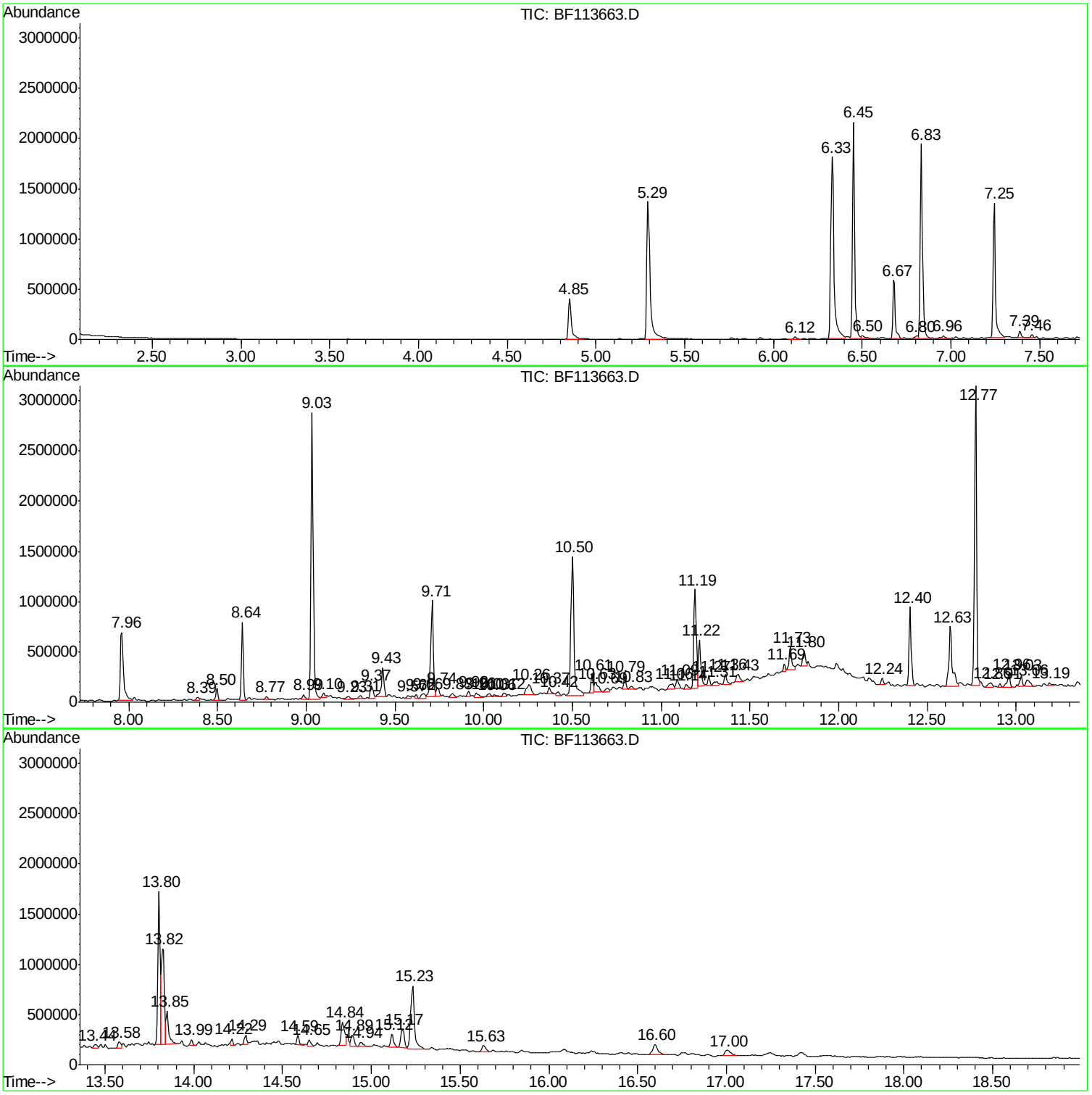
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20190177-AMND-COMP-CS-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040919\
Data File : BF113663.D
Acq On : 9 Apr 2019 16:06
Operator : JU/SJ
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20190177-AMND-COMP-CS-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

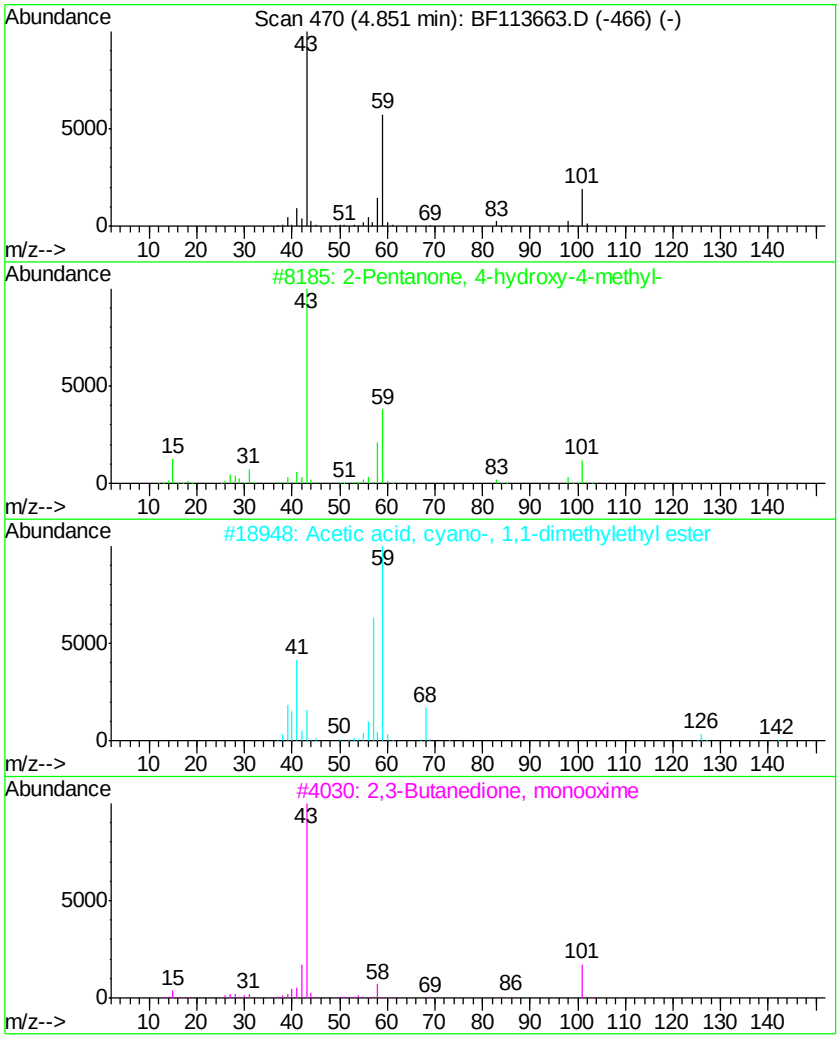
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

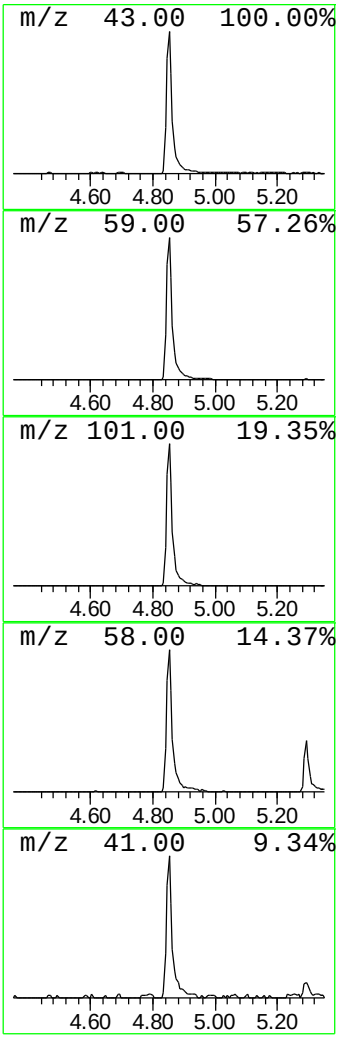
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	18.78 ng	545942	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20190177-AMND-COMP-CS-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

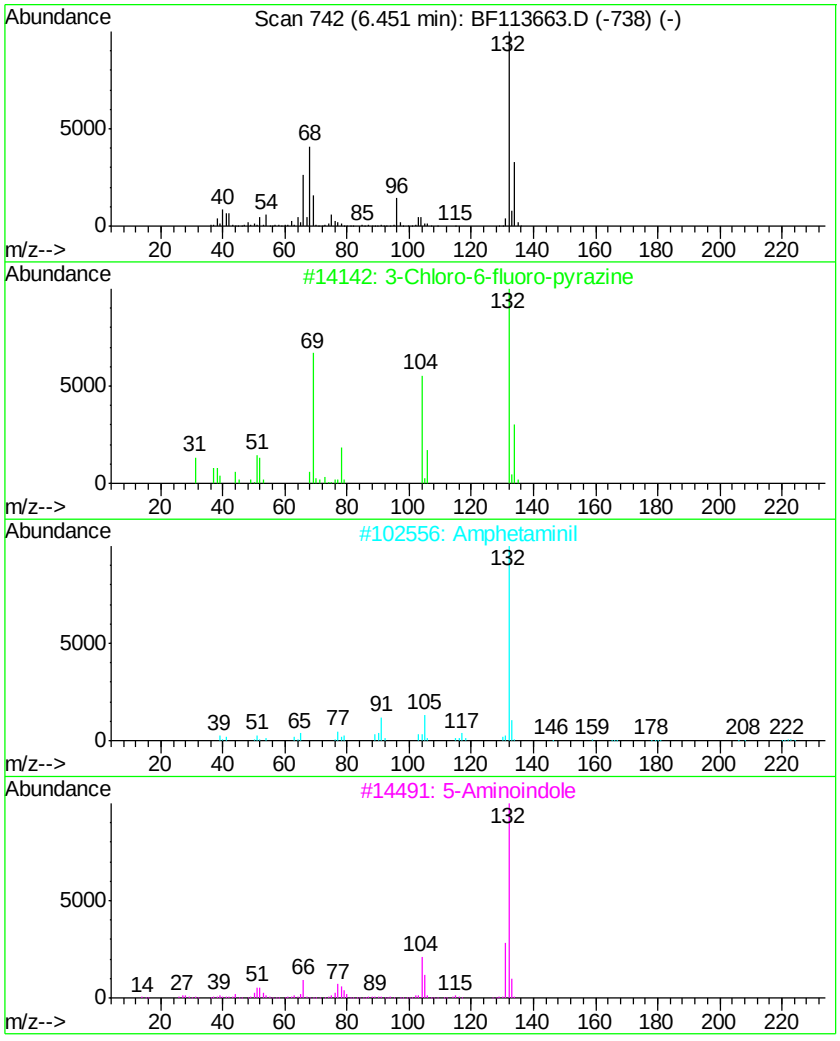
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

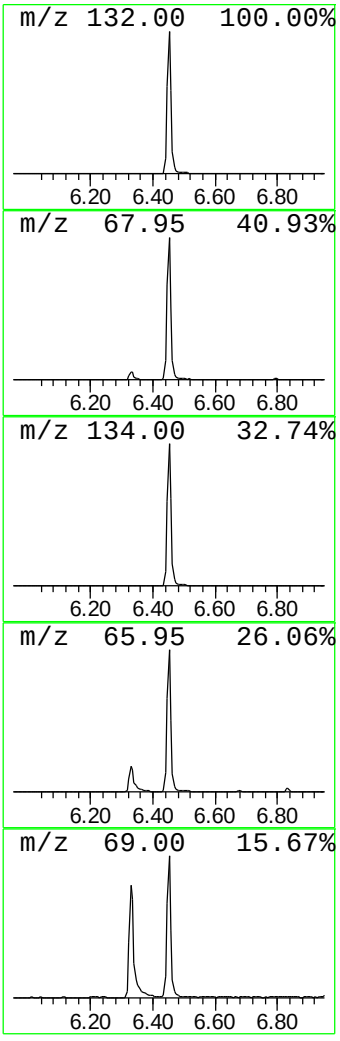
****

Peak Number 2 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	67.57 ng	1964740	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5	Xenon	132	Xe	007440-63-3	9





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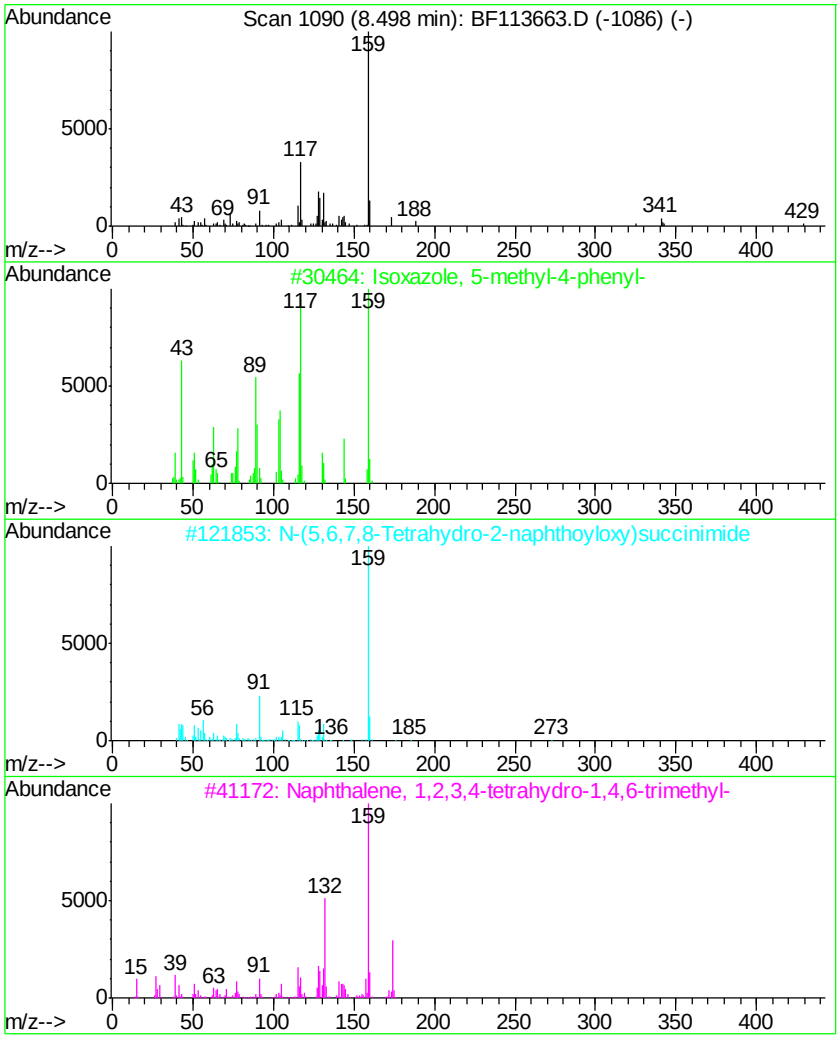
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

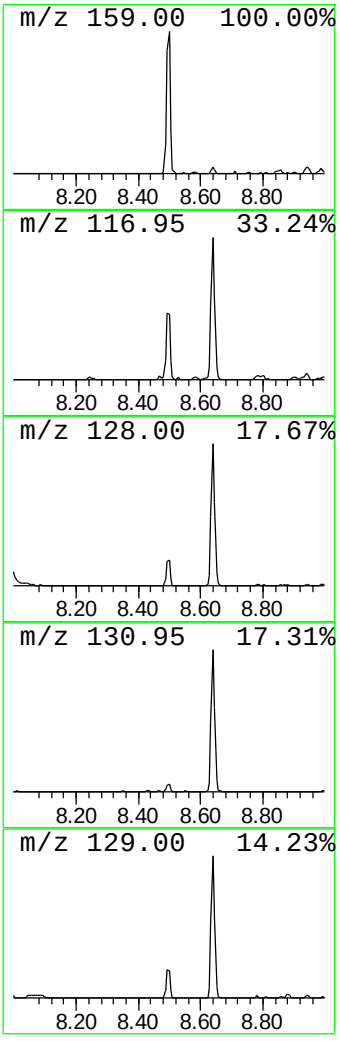
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Isoxazole, 5-methyl-4-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	2.70 ng	104270	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	64
2	N-(5,6,7,8-Tetrahydro-2-naphthoy...	273	C15H15NO4	541527-98-4	59
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	022824-32-4	56
4	3-Quinolinol, 2-methyl-	159	C10H9NO	000613-19-4	53
5	Quinoline, 6-methoxy-	159	C10H9NO	005263-87-6	53





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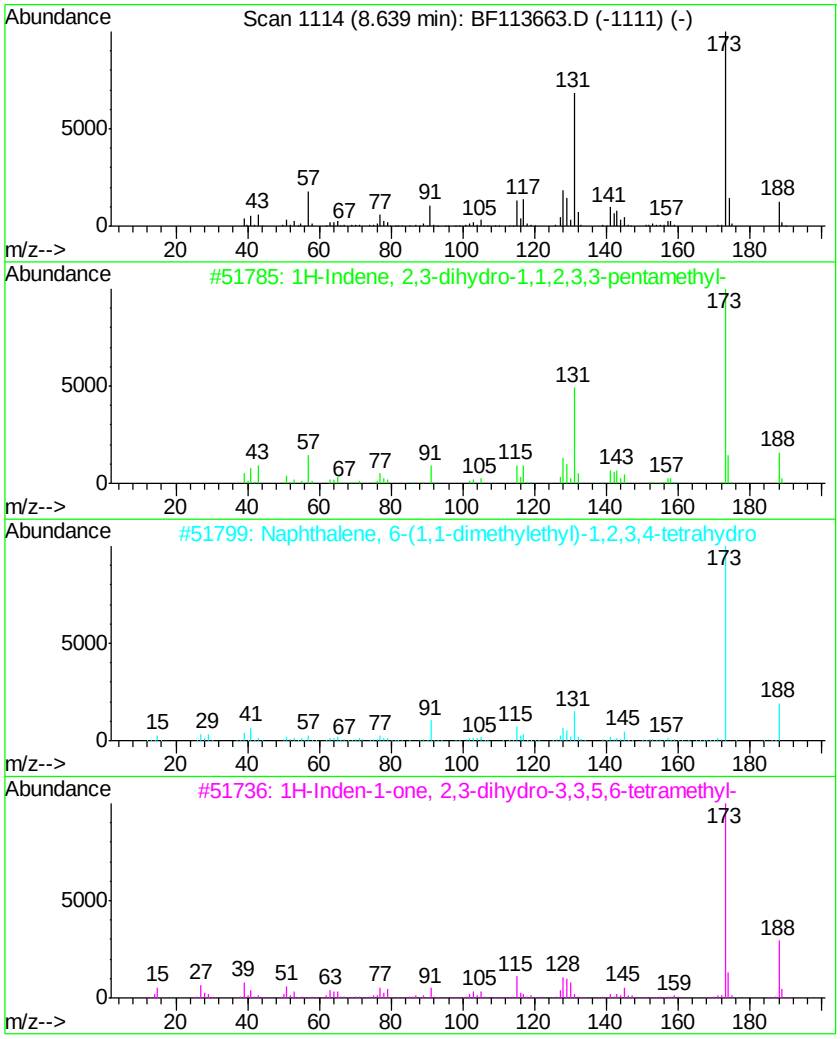
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

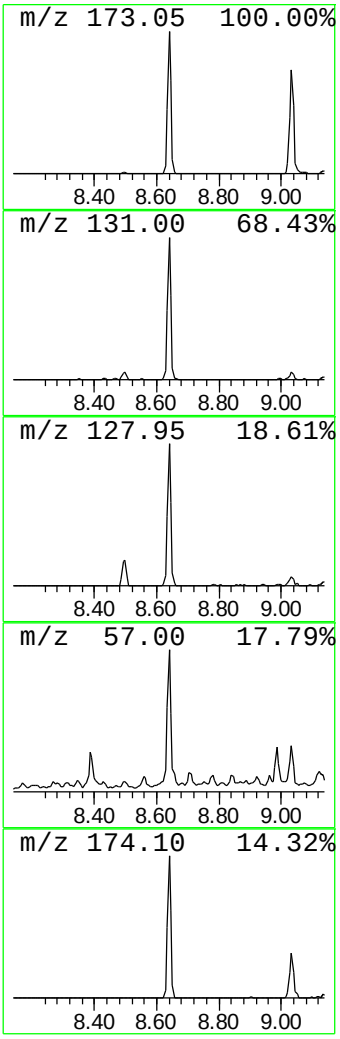
****

Peak Number 5 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	16.05 ng	620844	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,2,3,3...	188	C14H20	001203-17-4	97
2	Naphthalene, 6-(1,1-dimethylethy...	188	C14H20	042044-26-8	56
3	1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-22-9	52
4	4H-1-Benzopyran, 4,4,5,8-tetrame...	188	C13H16O	082391-06-8	47
5	Benzimidazole, 5-tert-butyl-2-me...	188	C12H16N2	005805-62-9	43





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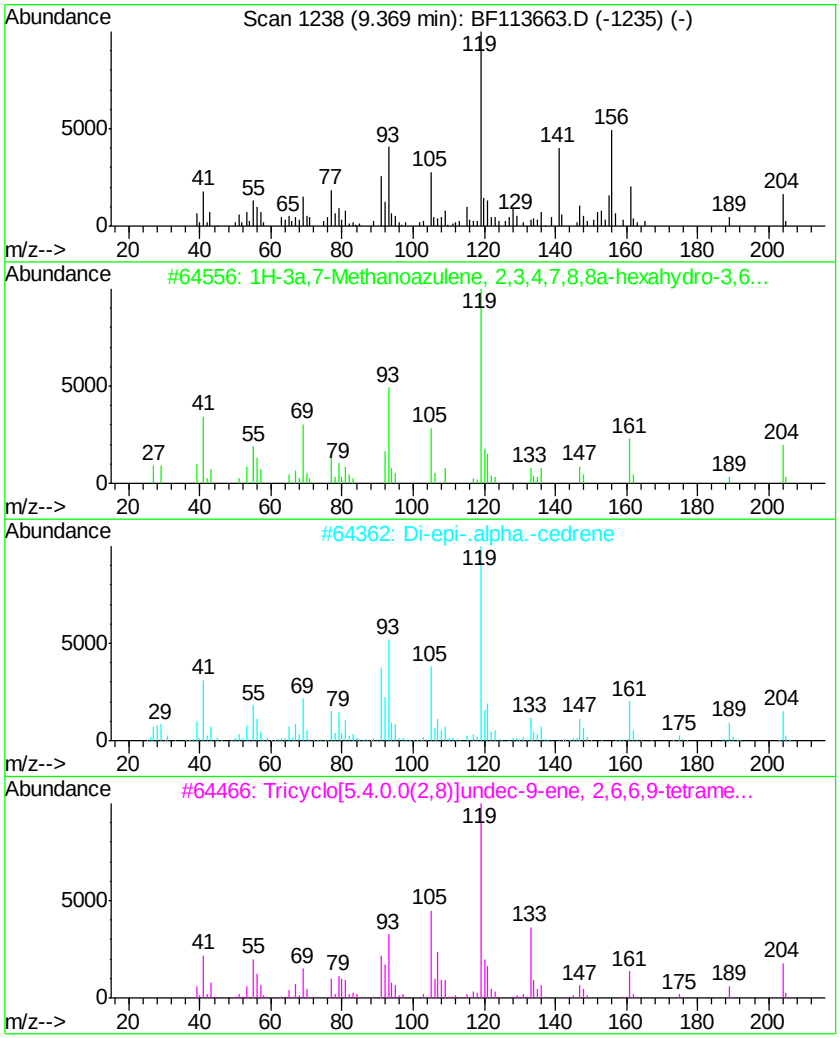
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

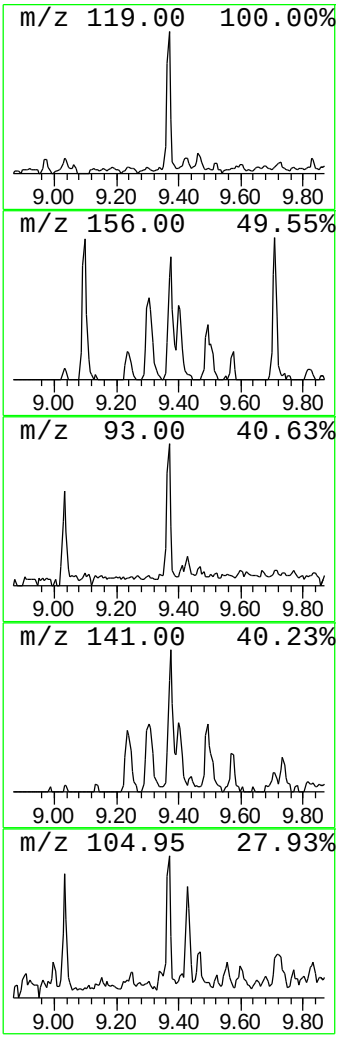
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-3a,7-Methanoazulene, 2,3... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	2.84 ng	131596	Acenaphthene-d10	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	91
2	Di-epi-.alpha.-cedrene	204	C15H24	050894-66-1	52
3	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	43
4	.beta.-curcumene	204	C15H24	1000374-17-4	38
5	Benzene, 1-(1,5-dimethylhexyl)-4...	204	C15H24	001461-02-5	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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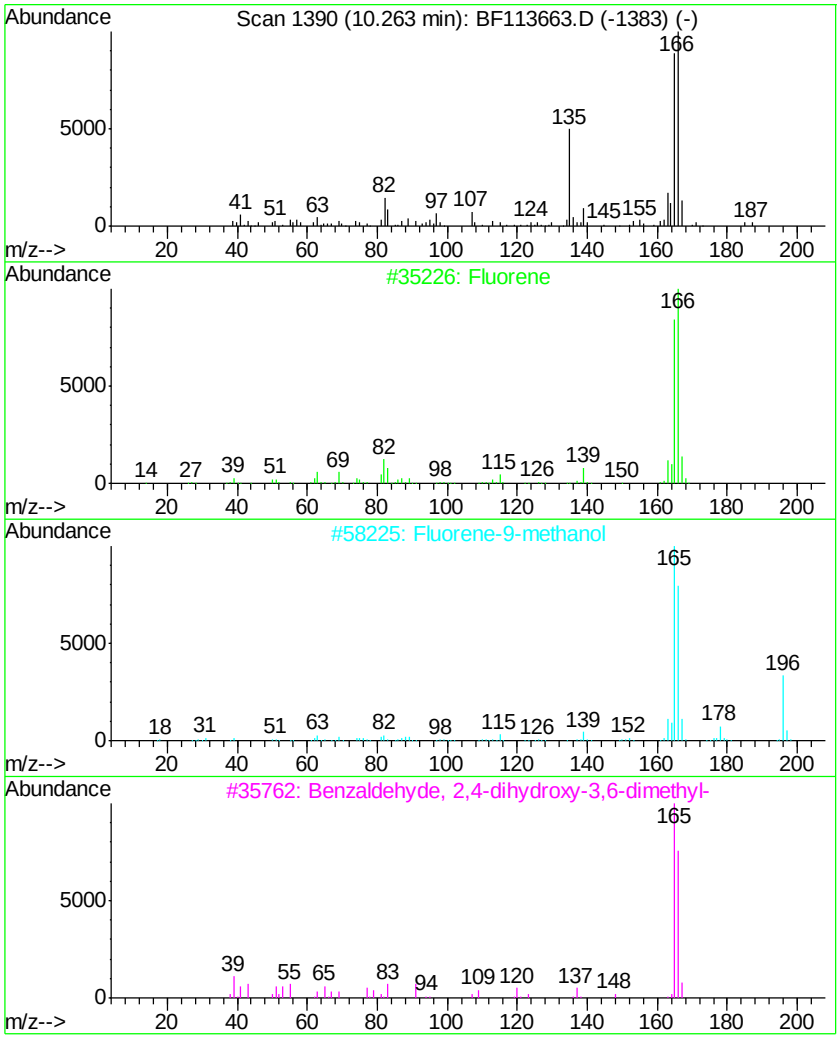
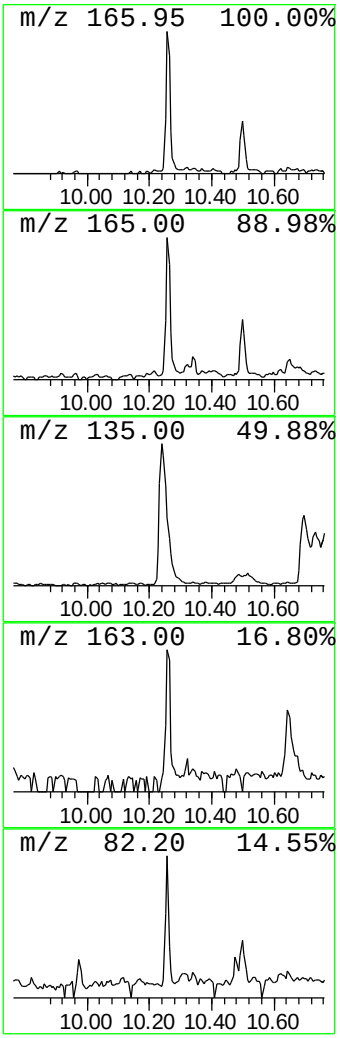
Peak Number 7 Fluorene-9-methanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	4.19 ng	194093	Acenaphthene-d10	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	95
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	59
3	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	52
4	Ethionamide	166	C8H10N2S	000536-33-4	50
5	Benzoic acid, 4-methoxy-, methyl...	166	C9H10O3	000121-98-2	43





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Operator : JU/SJ
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20190177-AMND-COMP-CS-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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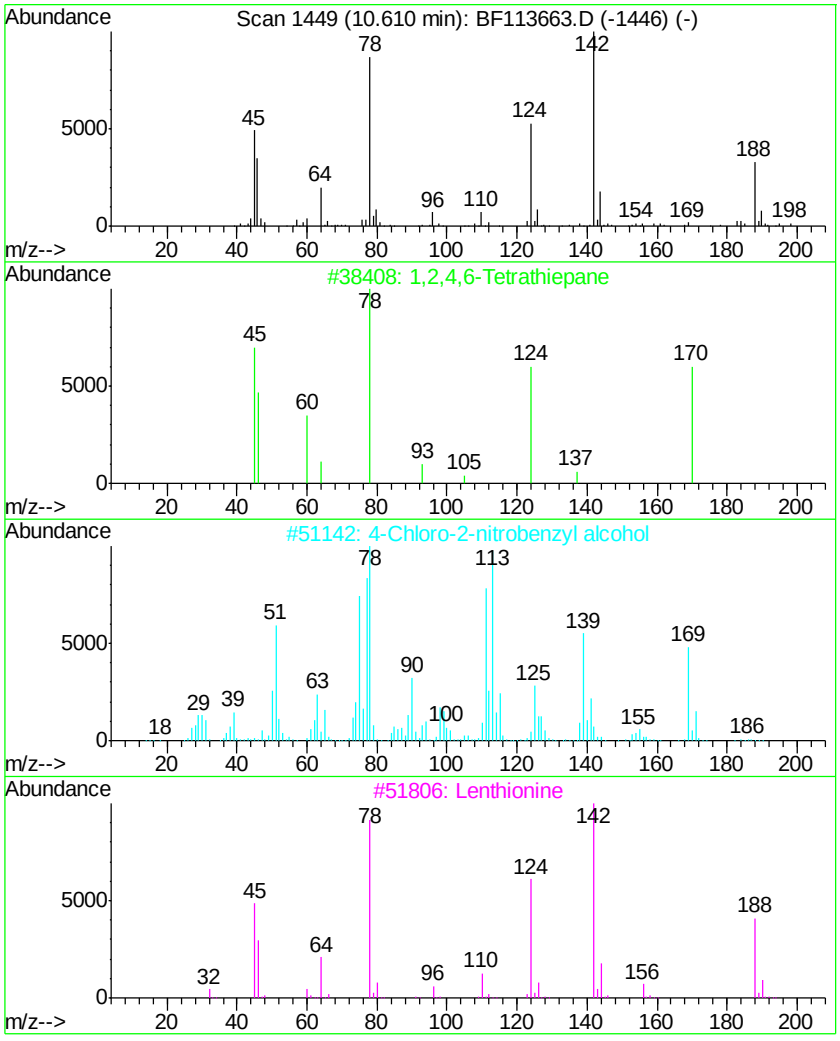
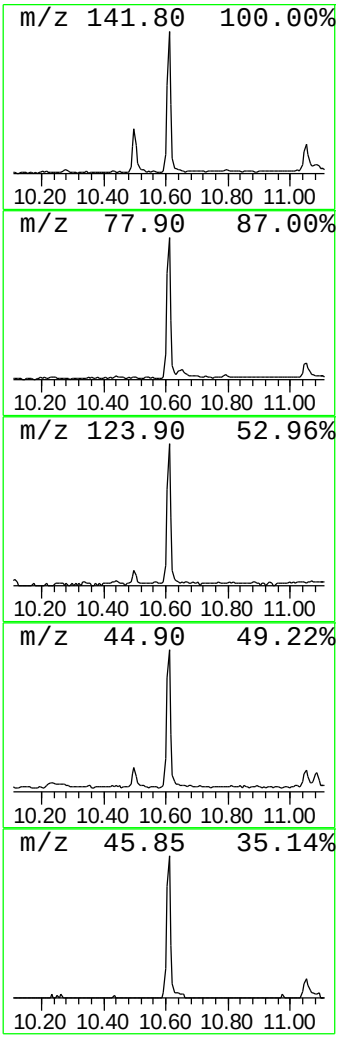
Peak Number 8 unknown10.61 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	3.80 ng	173221	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,6-Tetrathiepane	170	C3H6S4	000292-45-5	38
2	4-Chloro-2-nitrobenzyl alcohol	187	C7H6ClNO3	022996-18-5	25
3	Lenthionine	188	C2H4S5	000292-46-6	18
4	Cyclohexene, 3-trifluoroacetamid...	305	C10H9F6NO3	1000153-70-3	9
5	2-Oxiran-2-ylpyridine 1-oxide	137	C7H7NO2	069062-54-0	9





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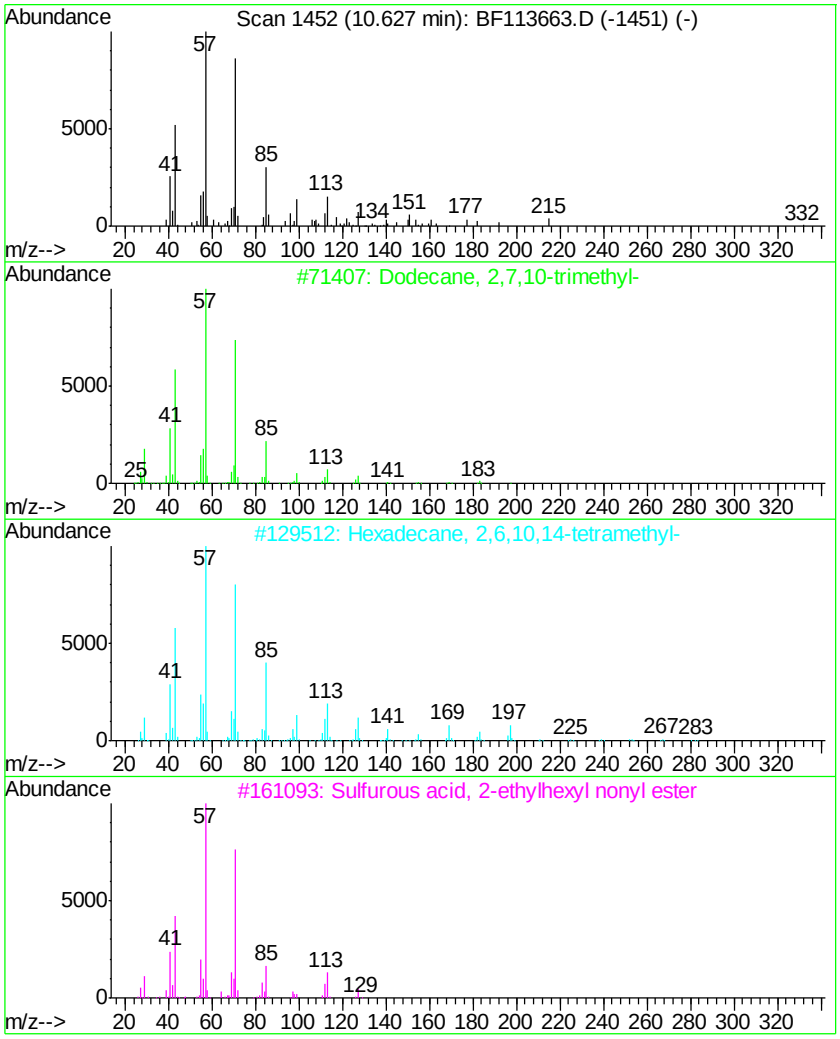
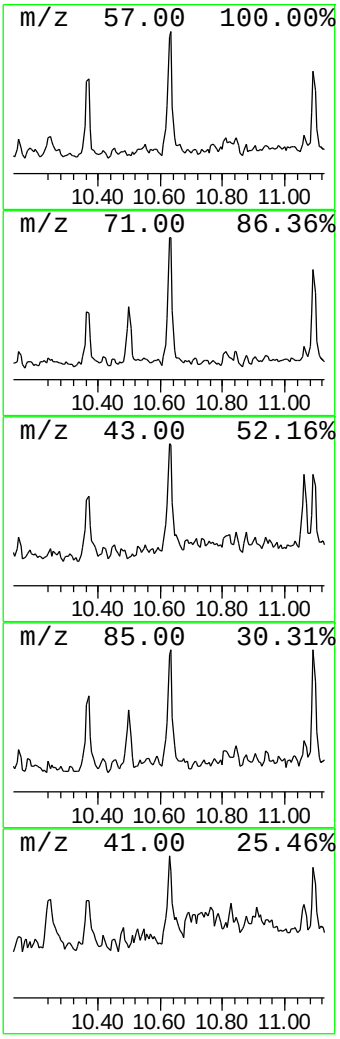
Peak Number 9 Dodecane, 2,7,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	2.68 ng	122369	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	58





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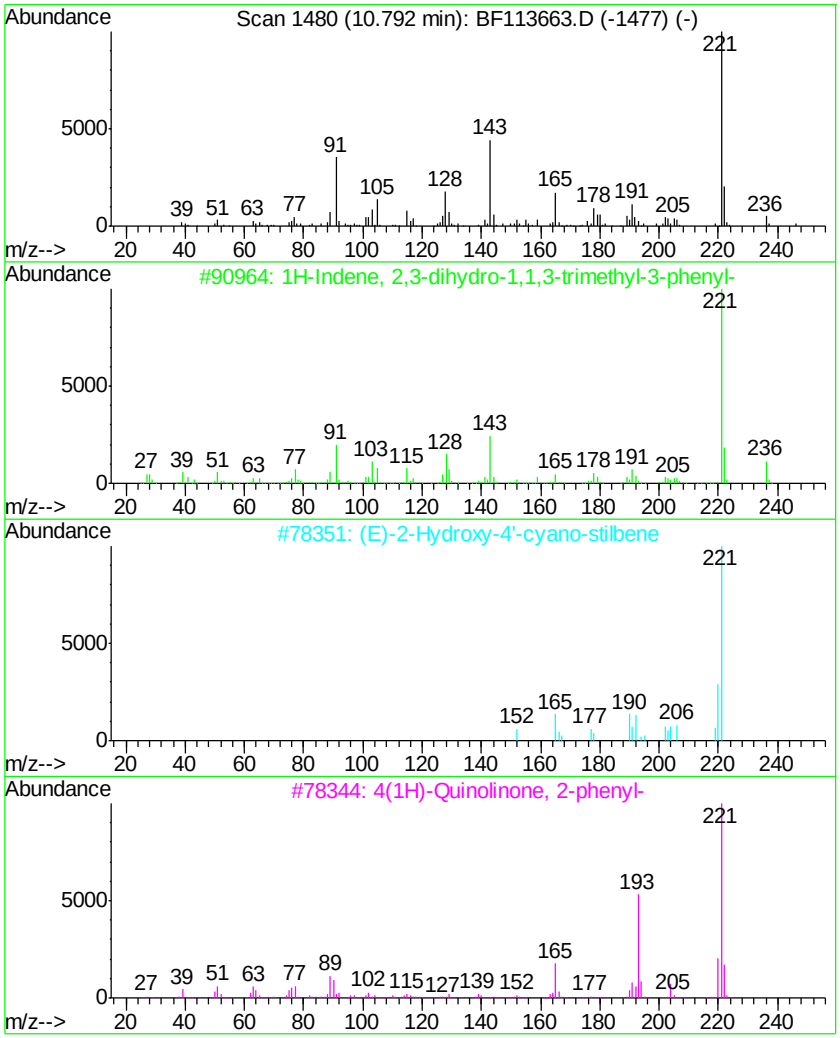
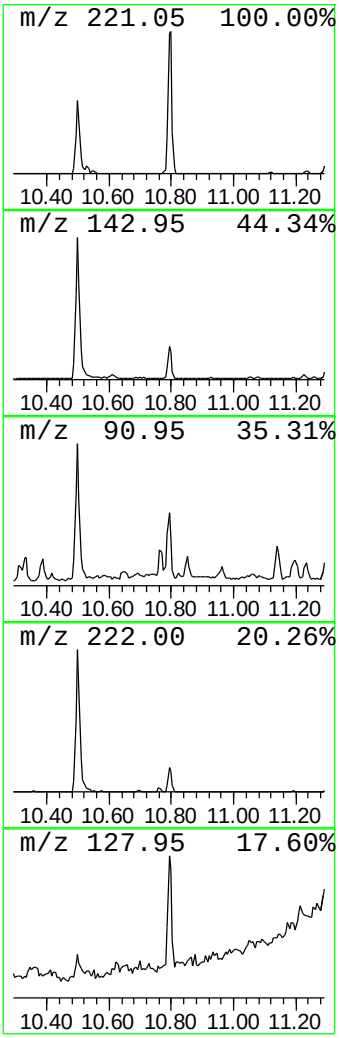
Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.60 ng	118393	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	90
2	(E)-2-Hydroxy-4'-cyano-stilbene	221	C15H11NO	1000147-85-5	53
3	4(1H)-Quinolinone, 2-phenyl-	221	C15H11NO	014802-18-7	50
4	9-(Methylaminomethyl)anthracene	221	C16H15N	073356-19-1	50
5	4-Quinolinol, 2-phenyl-	221	C15H11NO	001144-20-3	47





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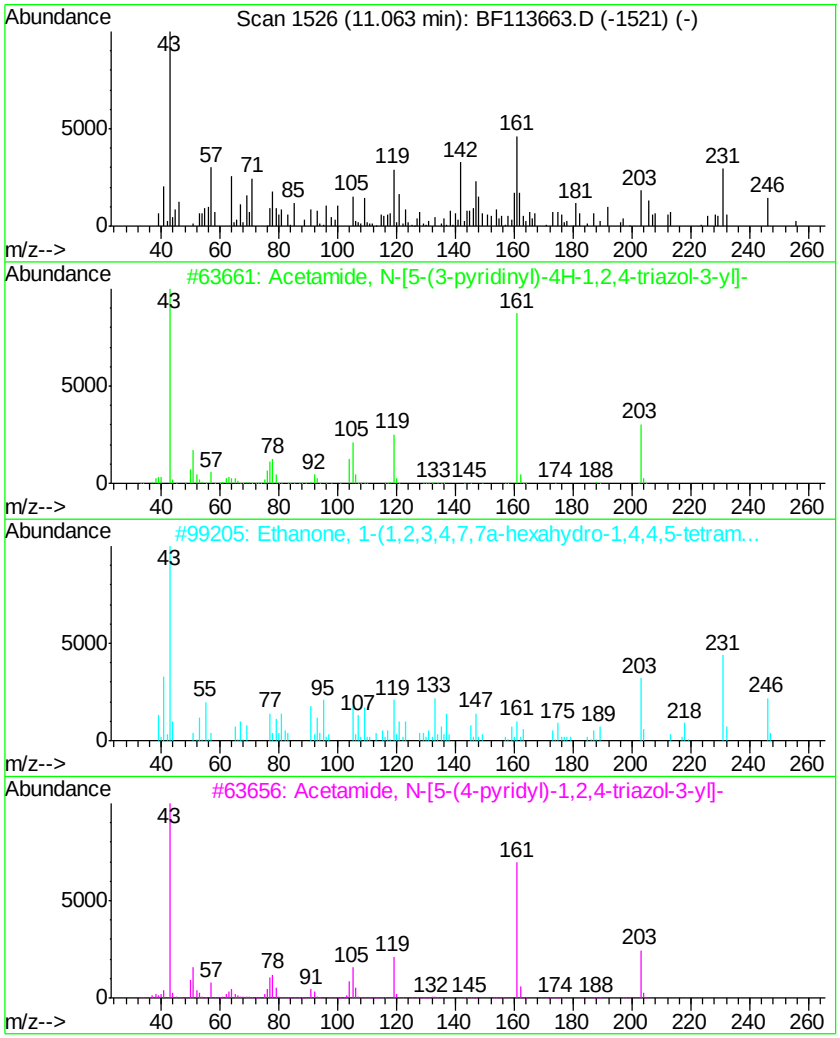
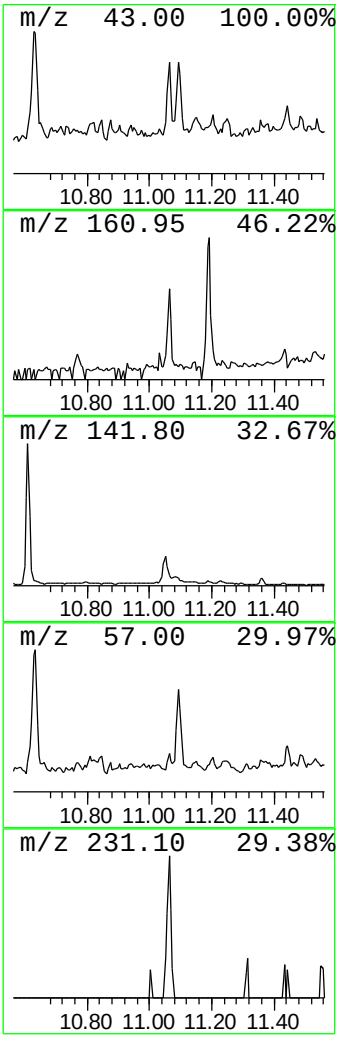
Peak Number 11 unknown11.06 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	2.17 ng	99062	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-[5-(3-pyridinyl)-4H...	203	C9H9N5O	1000337-51-5	14
2	Ethanone, 1-(1,2,3,4,7,7a-hexahy...	246	C17H26O	032388-58-2	10
3	Acetamide, N-[5-(4-pyridyl)-1,2,...	203	C9H9N5O	329710-13-6	10
4	4H-Cyclohepta[c]furan-4-one, 8-e...	218	C13H14O3	202581-65-5	9
5	4'-(2-Methylpropyl)acetophenone	176	C12H16O	038861-78-8	9





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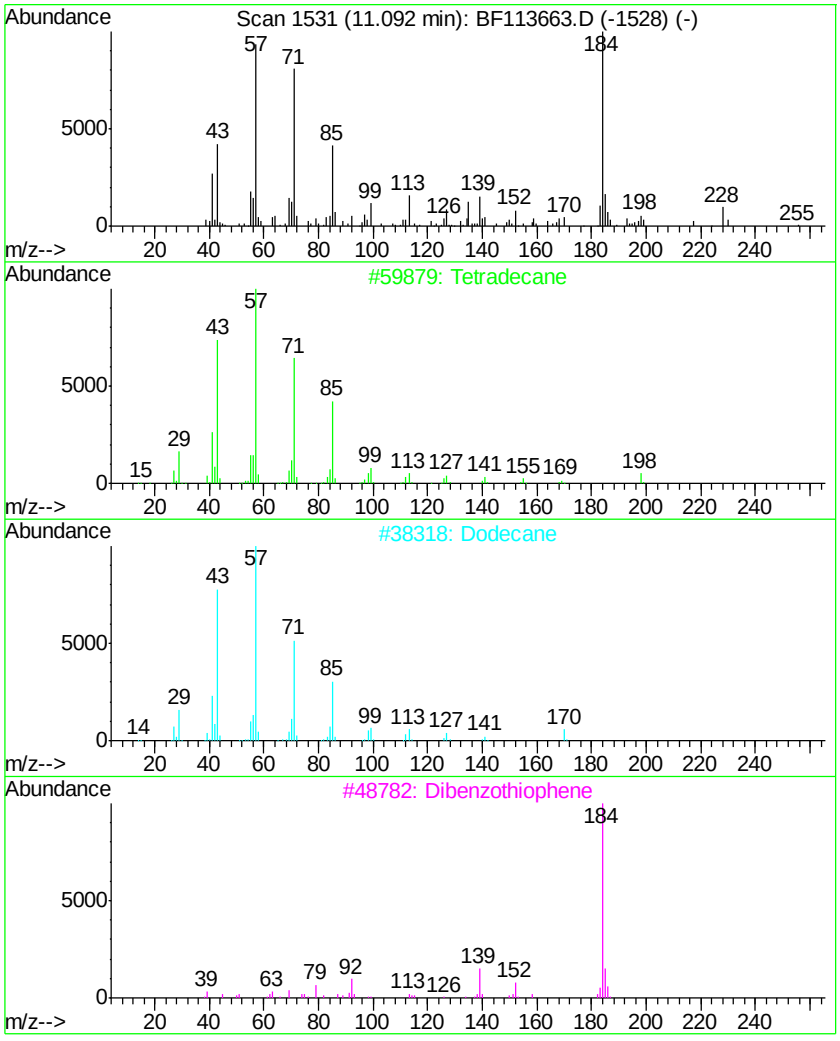
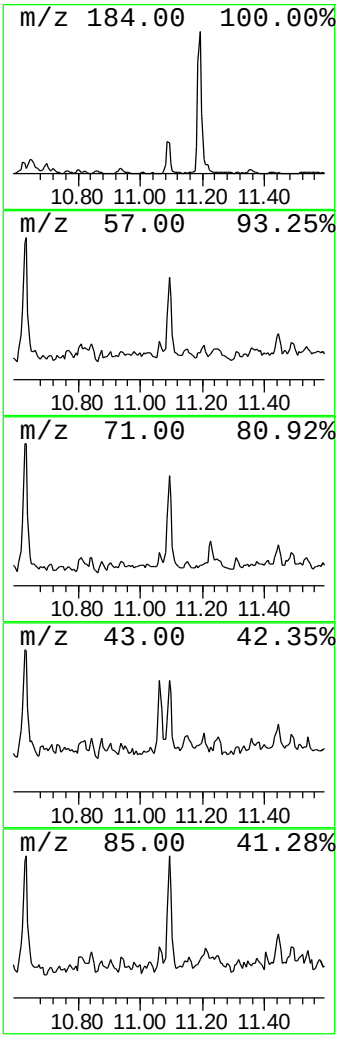
Peak Number 12 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	2.10 ng	95835	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	50
2	Dodecane	170	C12H26	000112-40-3	50
3	Dibenzothiophene	184	C12H8S	000132-65-0	41
4	Tetracosane	338	C24H50	000646-31-1	41
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	38





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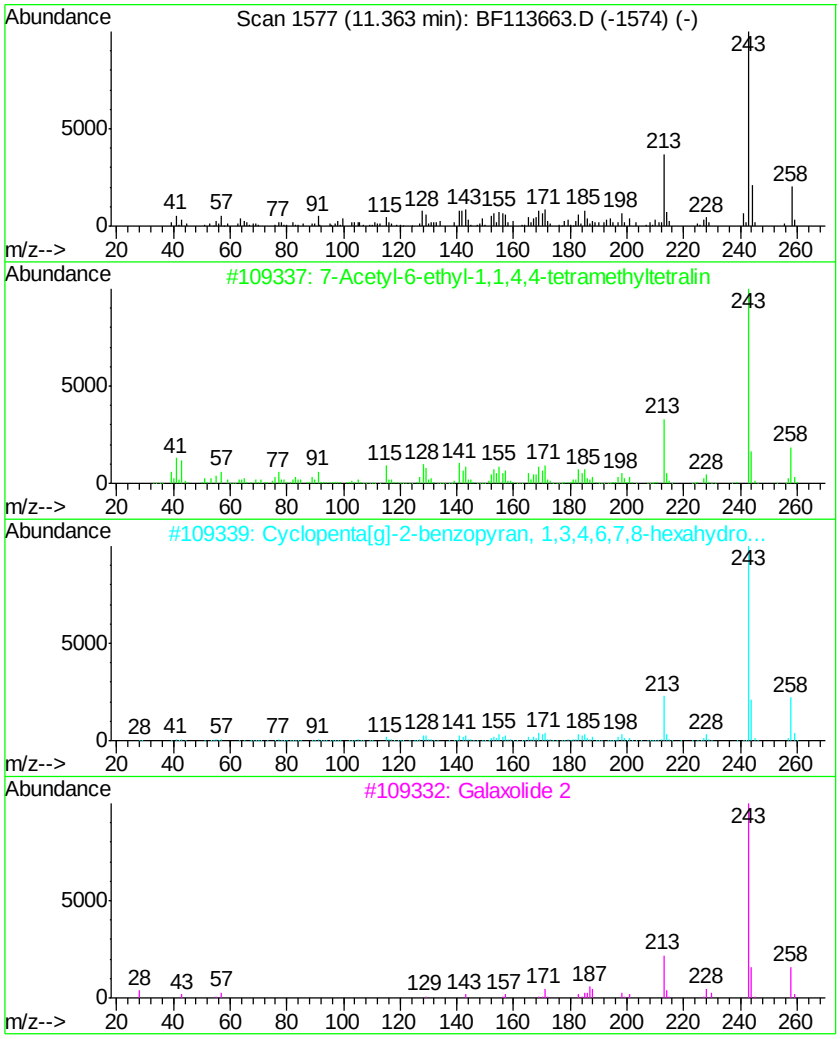
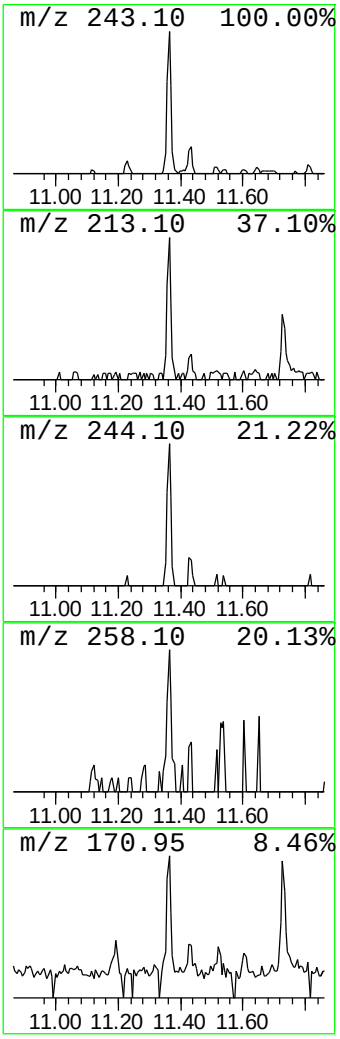
****
Peak Number 13 7-Acetyl-6-ethyl-1,1,4,4-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	2.45 ng	111529	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Acetyl-6-ethyl-1,1,4,4-tetrame...	258	C18H26O	000088-29-9	94
2	Cyclopenta[g]-2-benzopyran, 1,3,...	258	C18H26O	001222-05-5	94
3	Galaxolide 2	258	C18H26O	1000285-26-7	87
4	Galaxolide 1	258	C18H26O	1000285-26-6	83
5	9-Amino-1-phenyl-3,6-diazahomoad...	243	C15H21N3	147084-69-3	64





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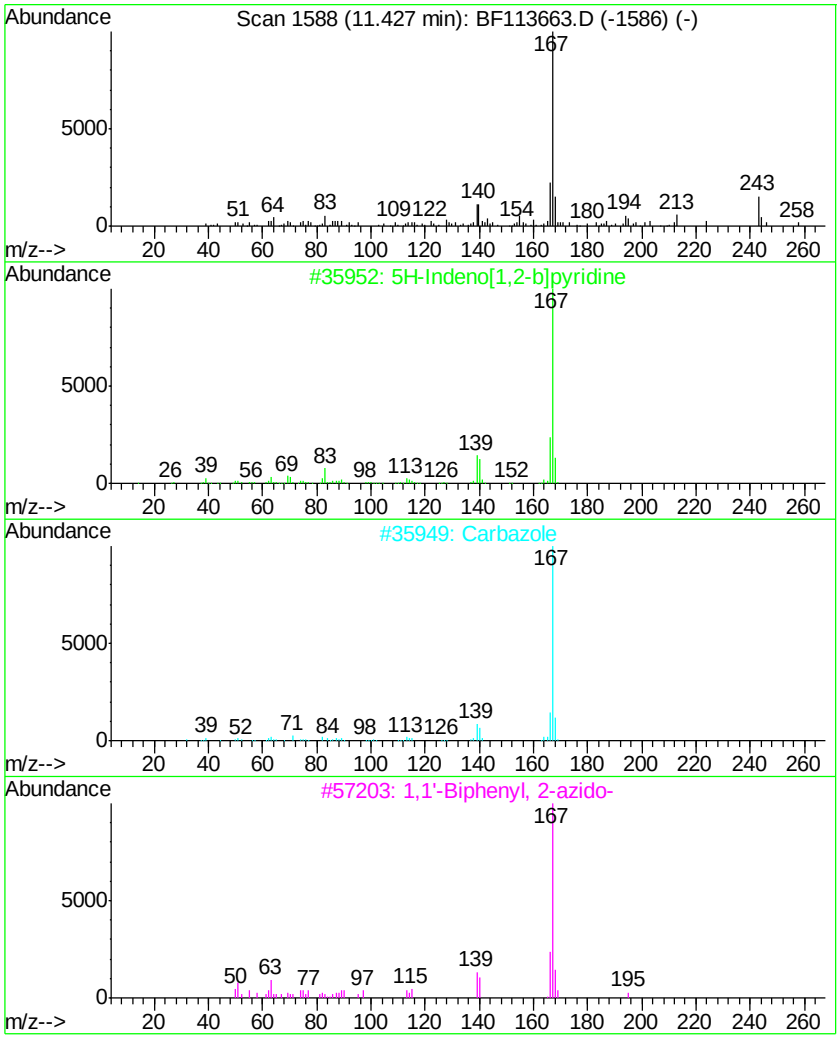
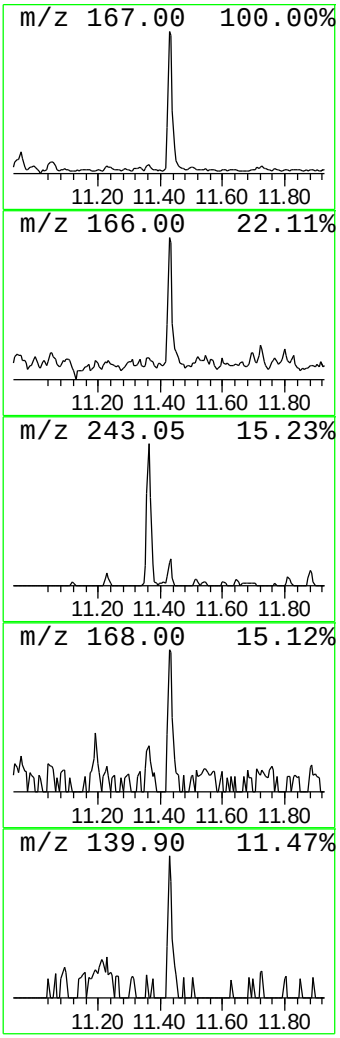
Peak Number 14 5H-Indeno[1,2-b]pyridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	2.15 ng	97884	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	81
2	Carbazole	167	C12H9N	000086-74-8	74
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	74
4	Thiazolo[3,2-a]pyridinium, 2,3-d...	167	C8H9NOS	023003-43-2	64
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	64





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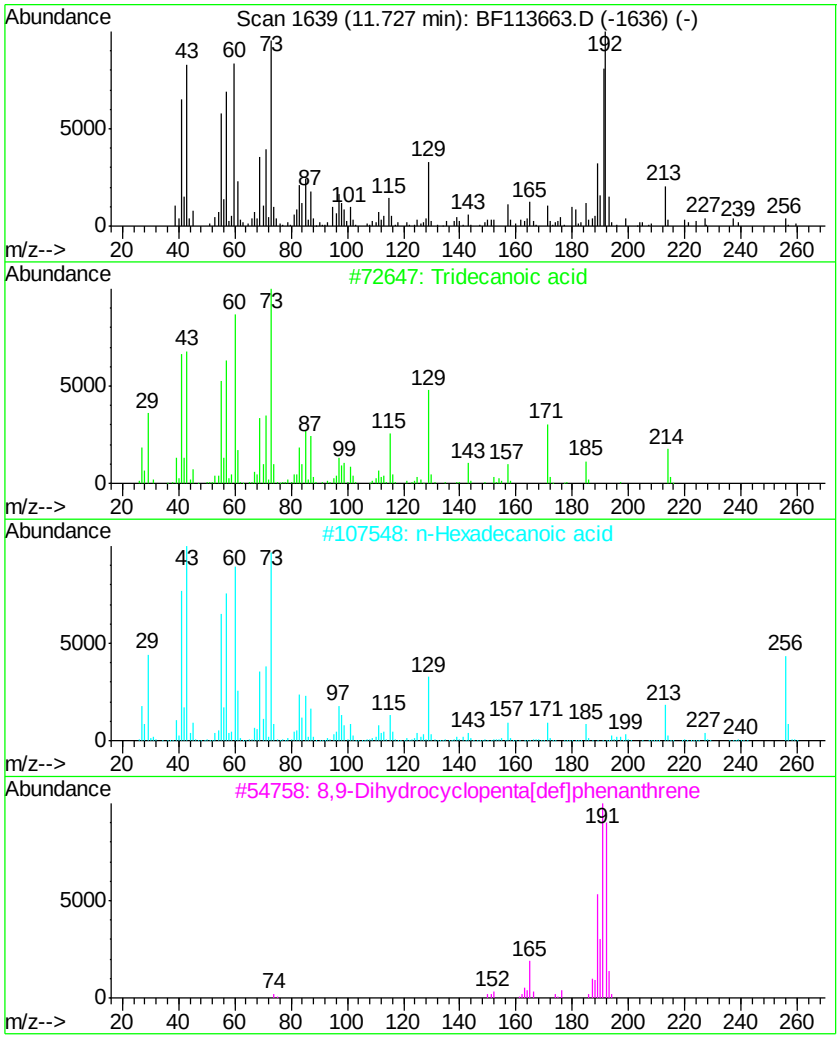
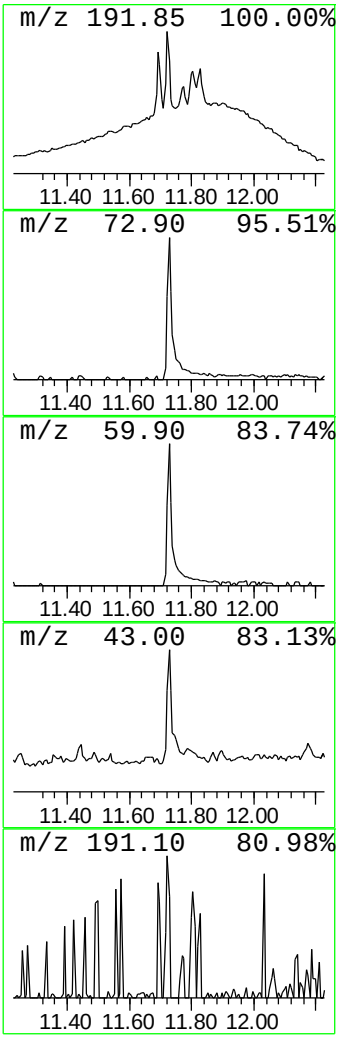
Peak Number 15 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	5.52 ng	251677	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	58
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	50





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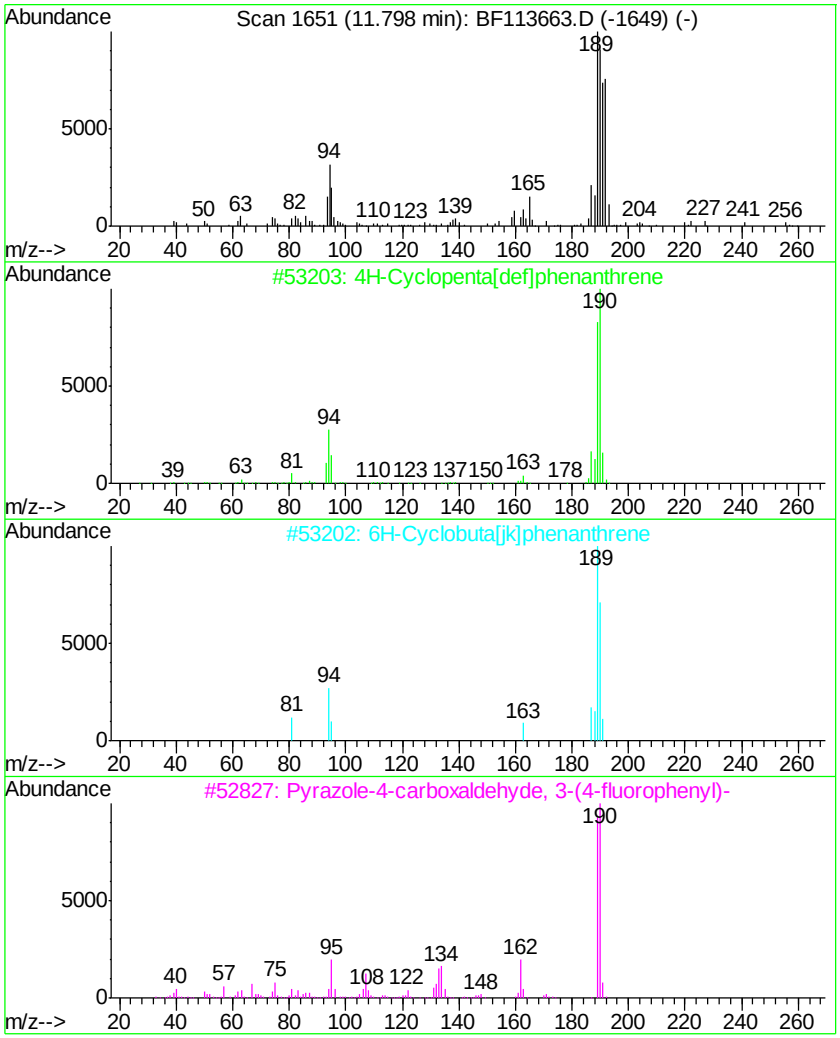
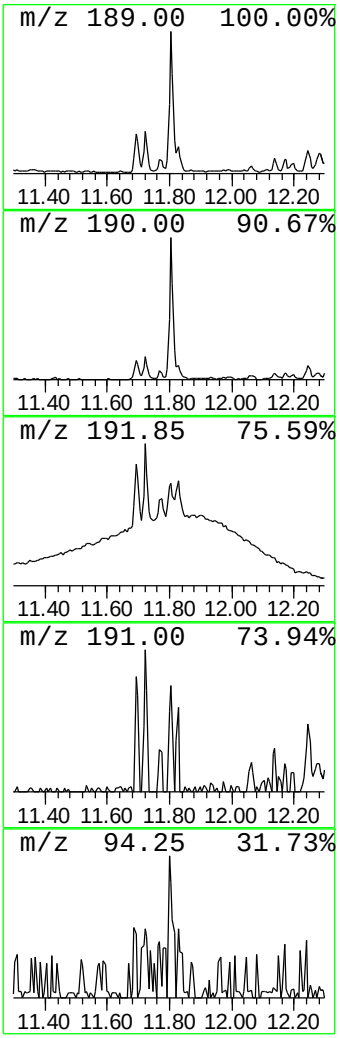
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	2.85 ng	129739	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	32





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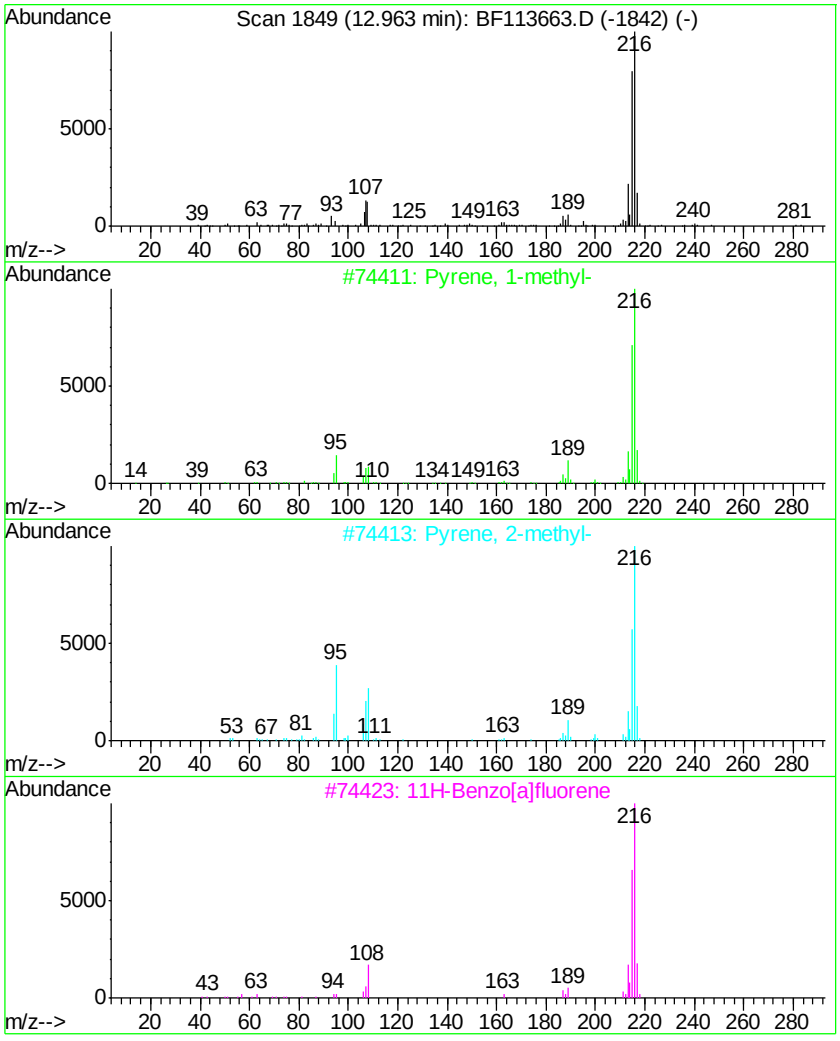
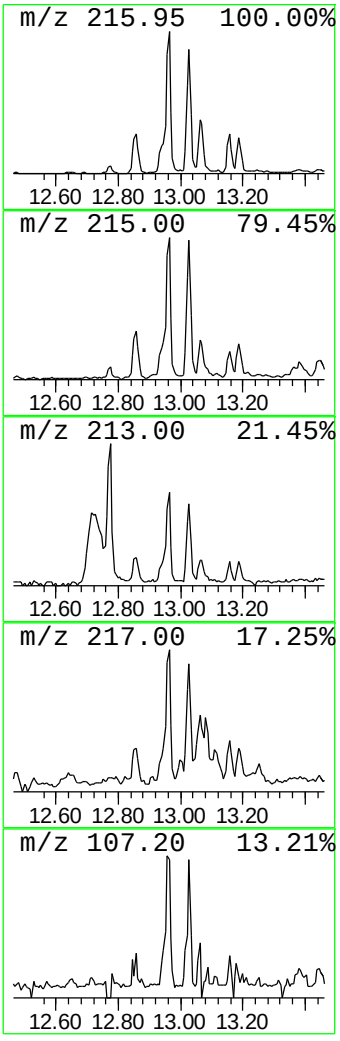
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.12 ng	187948	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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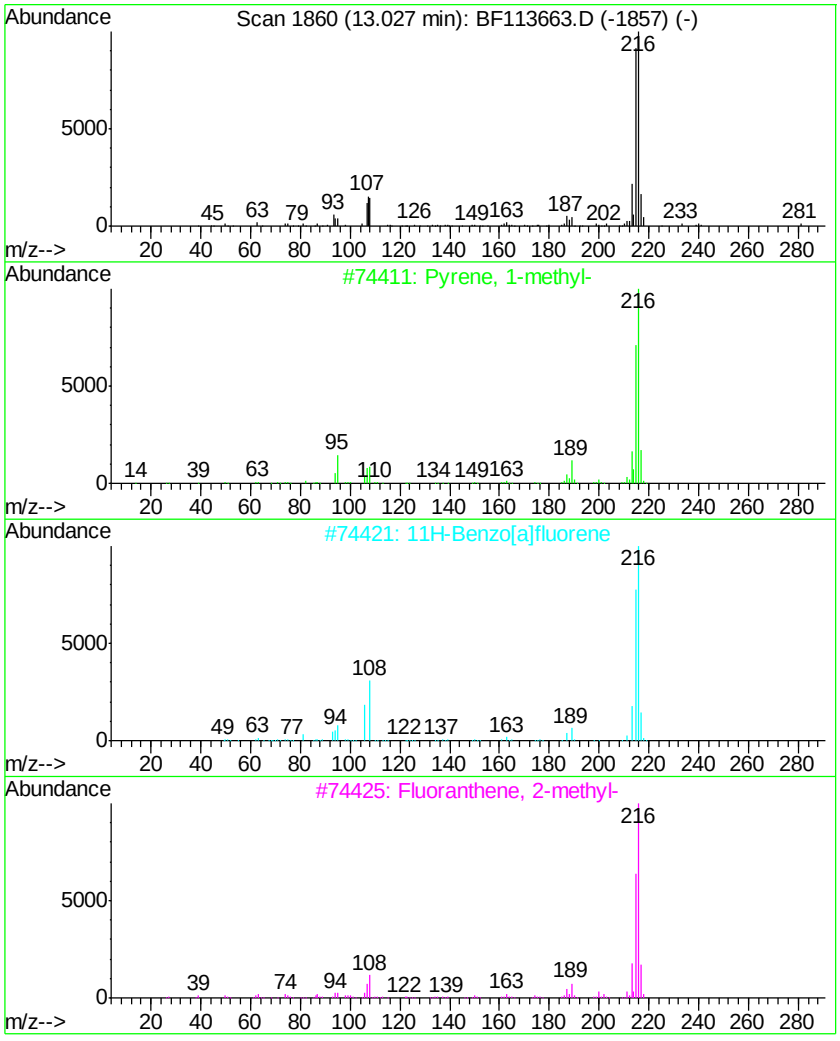
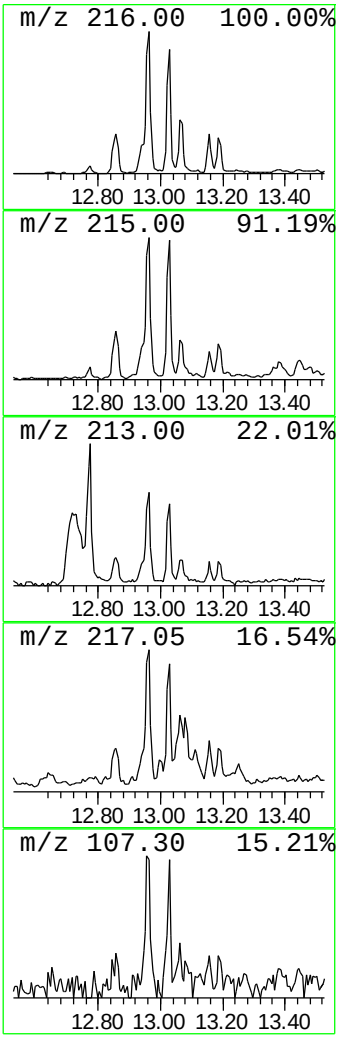
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.26 ng	103126	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	53





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Acq On : 9 Apr 2019 16:06
Operator : JU/SJ
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20190177-AMND-COMP-CS-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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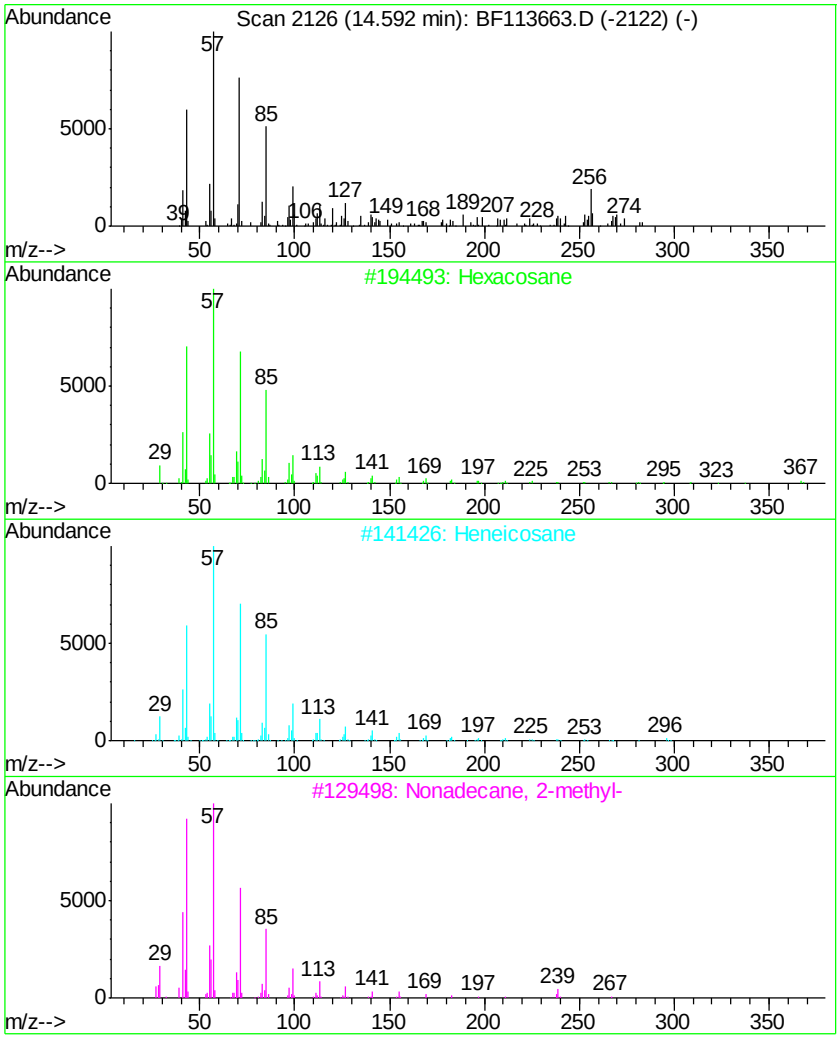
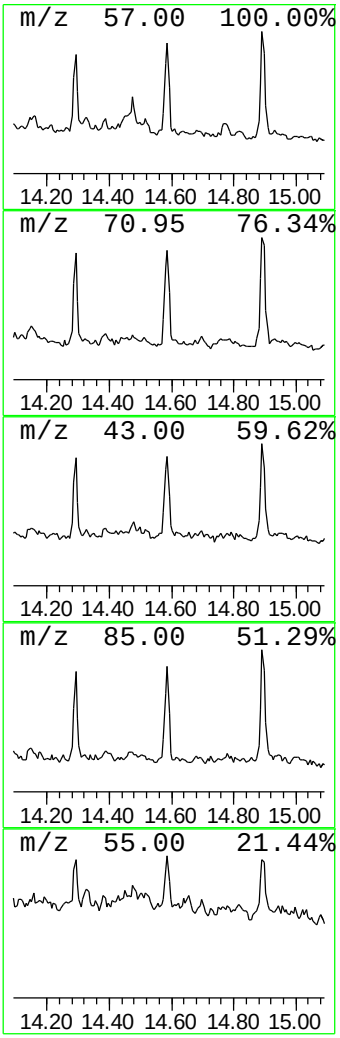
Peak Number 19 Hexacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.11 ng	98515	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heneicosane	296	C21H44	000629-94-7	87
3	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
4	Pentacosane	352	C25H52	000629-99-2	86
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	80





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Data File : BF113663.D
Acq On : 9 Apr 2019 16:06
Operator : JU/SJ
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20190177-AMND-COMP-CS-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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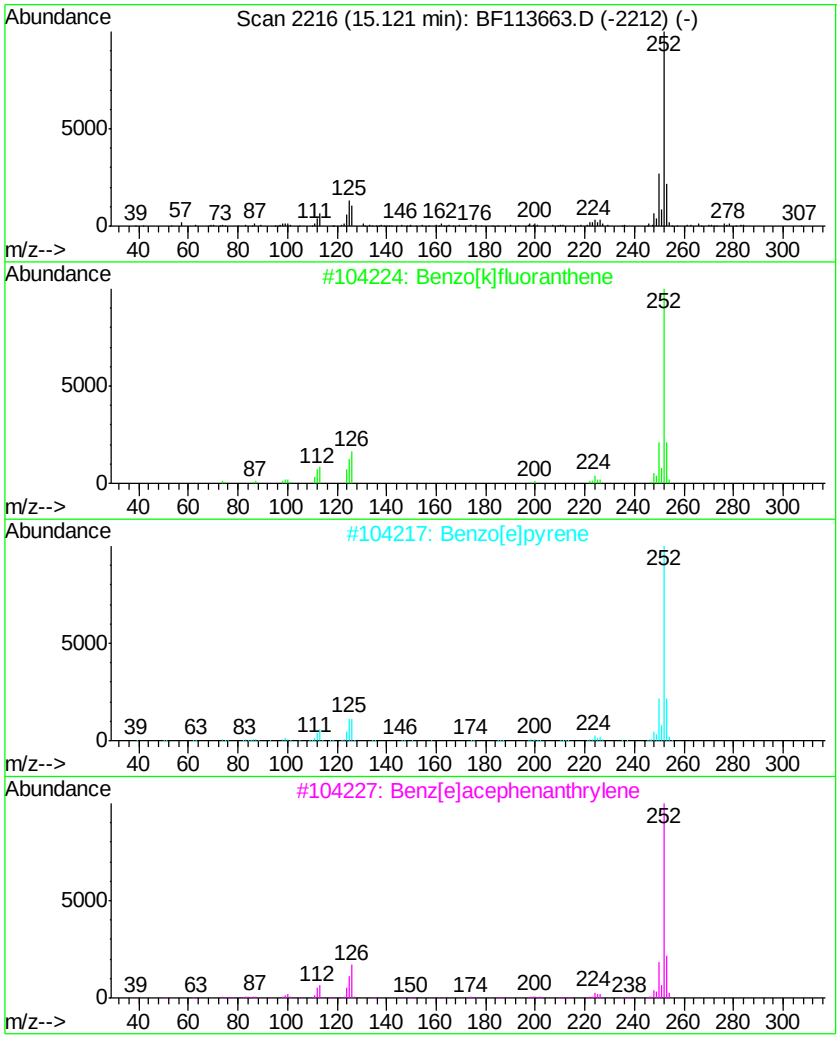
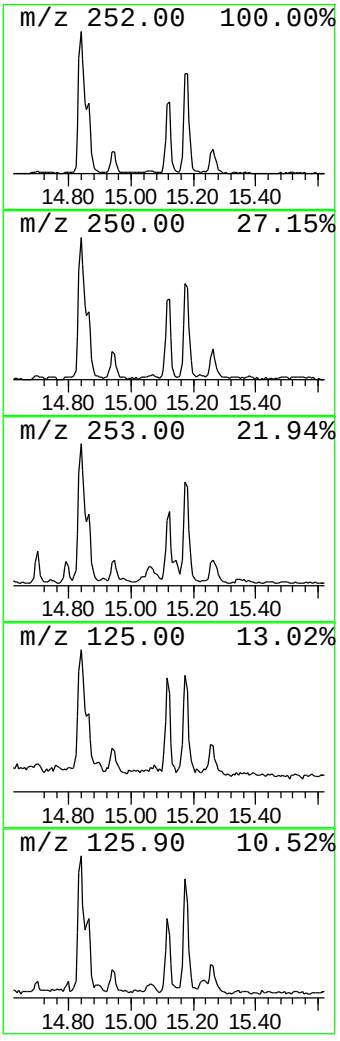
Peak Number 20 Benz[e]acephenanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.28 ng	153214	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040919\
Data File : BF113663.D
Acq On : 9 Apr 2019 16:06
Operator : JU/SJ
Sample : K2316-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20190177-AMND-COMP-CS-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.85	18.8	ng	545942	1	6.68	581525	20.0
unknown6.45	6.45	67.6	ng	1964740	1	6.68	581525	20.0
Isoxazole, 5-meth...	8.50	2.7	ng	104270	2	7.96	773565	20.0
1H-Indene, 2,3-di...	8.64	16.1	ng	620844	2	7.96	773565	20.0
1H-3a,7-Methanoaz...	9.37	2.8	ng	131596	3	9.71	927067	20.0
Fluorene-9-methanol	10.26	4.2	ng	194093	3	9.71	927067	20.0
unknown10.61	10.61	3.8	ng	173221	4	11.19	912014	20.0
Dodecane, 2,7,10-...	10.63	2.7	ng	122369	4	11.19	912014	20.0
1H-Indene, 2,3-di...	10.79	2.6	ng	118393	4	11.19	912014	20.0
unknown11.06	11.06	2.2	ng	99062	4	11.19	912014	20.0
Tetradecane	11.09	2.1	ng	95835	4	11.19	912014	20.0
7-Acetyl-6-ethyl-...	11.36	2.5	ng	111529	4	11.19	912014	20.0
5H-Indeno[1,2-b]p...	11.43	2.1	ng	97884	4	11.19	912014	20.0
Tridecanoic acid	11.73	5.5	ng	251677	4	11.19	912014	20.0
4H-Cyclopenta[def...	11.80	2.9	ng	129739	4	11.19	912014	20.0
Pyrene, 1-methyl-	12.96	4.1	ng	187948	5	13.83	911592	20.0
11H-Benzo[a]fluorene	13.03	2.3	ng	103126	5	13.83	911592	20.0
Hexacosane	14.59	2.1	ng	98515	6	15.23	933531	20.0
Benz[e]acephenant...	15.12	3.3	ng	153214	6	15.23	933531	20.0