LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	485	497	505	rBV	462019	657118	8.14%	0.621%
2	5.393	559	562	563	rBV	164649	148614	1.84%	0.140%
3	5.422	563	567	570	rVB	7497751	7087895	87.76%	6.699%
4	6.440	734	740	752	rVB2	6868295	8076220	100.00%	7.634%
5	6.575	758	763	766	rBV	8736262	7954854	98.50%	7.519%
6	6.804	798	802	805	rBV	2914494	2308922	28.59%	2.182%
7	6.963	824	829	832	rBV	6837677	6084646	75.34%	5.751%
8	7.363	890	897	900	rBV	5190108	4773467	59.11%	4.512%
9	8.087	1016	1020	1022	rBV	2901452	2580295	31.95%	2.439%
10	8.104	1022	1023	1031	rVB	494768	359580	4.45%	0.340%
11	8.798	1138	1141	1144	rVB	238238	186503	2.31%	0.176%
12	8.898	1154	1158	1162	rVB	195517	160396	1.99%	0.152%
13	9.163	1199	1203	1206	rBV	6547266	5319280	65.86%	5.028%
14	9.257	1216	1219	1223	rVB2	95619	103632	1.28%	0.098%
15	9.422	1241	1247	1251	rBV2	72097	113568	1.41%	0.107%
16	9.498	1257	1260	1263	rBV	155126	139393	1.73%	0.132%
17	9.551	1266	1269	1275	rVV	1086566	917017	11.35%	0.867%
18	9.616	1278	1280	1285	rVB	79959	85478	1.06%	0.081%
19	9.698	1291	1294	1298	rVB	296062	236835	2.93%	0.224%
20	9.839	1312	1318	1321	rBV	2905302	2465537	30.53%	2.330%
21	9.869	1321	1323	1327	rVB	818542	645762	8.00%	0.610%
22	10.039	1350	1352	1356	rBV	393494	342849	4.25%	0.324%
23	10.245	1384	1387	1389	rBV3	72936	84759	1.05%	0.080%
24	10.386	1408	1411	1417	rVB	664850	585644	7.25%	0.554%
25	10.475	1424	1426	1428	rVB	135399	100278	1.24%	0.095%
26	10.545	1436	1438	1442	rVB	170417	133278	1.65%	0.126%
27	10.622	1447	1451	1456	rBV	3452458	3423604	42.39%	3.236%
28	10.663	1456	1458	1466	rVB3	101380	141300	1.75%	0.134%
29	10.751	1470	1473	1478	rVB2	135962	137911	1.71%	0.130%
30	10.933	1498	1504	1506	rBV2	117805	152538	1.89%	0.144%
31	11.069	1524	1527	1533	rVB2	172774	256235	3.17%	0.242%
32	11.128	1533	1537	1540	rVB	166988	172103	2.13%	0.163%
33	11.163	1540	1543	1548	rBV2	203728	255375	3.16%	0.241%
34	11.216	1550	1552	1558	rVB	179668	179288	2.22%	0.169%

LSC Area Percent Report

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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.322	1567	1570	1572	rBV	2050742	1821897	22.56%	1.722%
36	11.345	1572	1574	1578	rVV	3475656	3107162	38.47%	2.937%
37	11.398	1578	1583	1586	rVV	1211494	1017296	12.60%	0.962%
38	11.428	1586	1588	1592	rVB	162110	146403	1.81%	0.138%
39	11.551	1603	1609	1612	rBV2	468164	536690	6.65%	0.507%
40	11.651	1624	1626	1630	rVB3	116908	94863	1.17%	0.090%
41	11.780	1645	1648	1650	rBV3	87227	113821	1.41%	0.108%
42	11.822	1652	1655	1658	rBV2	823515	790051	9.78%	0.747%
43	11.857	1658	1661	1665	rVV2	2350746	2473162	30.62%	2.338%
44	11.898	1665	1668	1671	rVB2	357150	296594	3.67%	0.280%
45	11.933	1671	1674	1677	rBV	921677	1011820	12.53%	0.956%
46	12.033	1688	1691	1694	rBV2	104062	131114	1.62%	0.124%
47	12.122	1703	1706	1707	rBV	434312	370181	4.58%	0.350%
48	12.139	1707	1709	1714	rVB	412911	322892	4.00%	0.305%
49	12.269	1729	1731	1734	rVB	182827	139610	1.73%	0.132%
50	12.304	1734	1737	1738	rBV	117444	108607	1.34%	0.103%
51	12.322	1738	1740	1743	rVB	233106	183757	2.28%	0.174%
52	12.375	1746	1749	1752	rBV	335665	349306	4.33%	0.330%
53	12.416	1752	1756	1760	rBV2	208596	354531	4.39%	0.335%
54	12.457	1760	1763	1769	rVB3	305896	373604	4.63%	0.353%
55	12.539	1773	1777	1780	rBV	5641096	5148132	63.74%	4.866%
56	12.563	1780	1781	1783	rBV2	122364	120689	1.49%	0.114%
57	12.645	1792	1795	1800	rBV2	1230459	1092038	13.52%	1.032%
58	12.763	1809	1815	1819	rBV2	4376101	5283288	65.42%	4.994%
59	12.880	1833	1835	1837	rBV	321689	297781	3.69%	0.281%
60	12.910	1837	1840	1847	rVB	5632954	5023930	62.21%	4.749%
61	12.986	1848	1853	1855	rBV3	380177	589690	7.30%	0.557%
62	13.069	1865	1867	1868	rBV2	241536	216371	2.68%	0.205%
63	13.092	1869	1871	1874	rVB	871841	676383	8.37%	0.639%
64	13.157	1879	1882	1885	rBV2	733461	629032	7.79%	0.595%
65	13.192	1885	1888	1891	rBV2	536259	569033	7.05%	0.538%
66	13.286	1902	1904	1907	rVB	256868	193714	2.40%	0.183%
67	13.316	1907	1909	1914	rBV2	255432	315349	3.90%	0.298%
68	13.498	1937	1940	1942	rBV	312521	308066	3.81%	0.291%
69	13.598	1954	1957	1962	rVB	319415	412263	5.10%	0.390%
70	13.710	1972	1976	1979	rBV2	361146	532074	6.59%	0.503%
71	13.739	1979	1981	1983	rVV	464730	373142	4.62%	0.353%

LSC Area Percent Report

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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.763	1983	1985	1989	rVV2	304028	372264	4.61%	0.352%
73	13.804	1989	1992	1994	rVV2	372624	383205	4.74%	0.362%
74	13.827	1994	1996	2001	rVB2	480430	577464	7.15%	0.546%
75	13.957	2014	2018	2021	rBV3	3001882	3956314	48.99%	3.739%
76	13.986	2021	2023	2026	rVB	1957456	1499875	18.57%	1.418%
77	14.139	2047	2049	2053	rVB3	554291	555157	6.87%	0.525%
78	14.445	2098	2101	2103	rBV2	617365	534993	6.62%	0.506%
79	14.992	2190	2194	2203	rVB	1326018	2760585	34.18%	2.609%
80	15.286	2241	2244	2249	rVB	775498	968949	12.00%	0.916%
81	15.345	2251	2254	2257	rVB	1052460	1055453	13.07%	0.998%
82	15.404	2261	2264	2267	rBV	797318	972311	12.04%	0.919%
83	18.686	2818	2822	2823	rBV3	185884	268164	3.32%	0.253%

Sum of corrected areas: 105799244

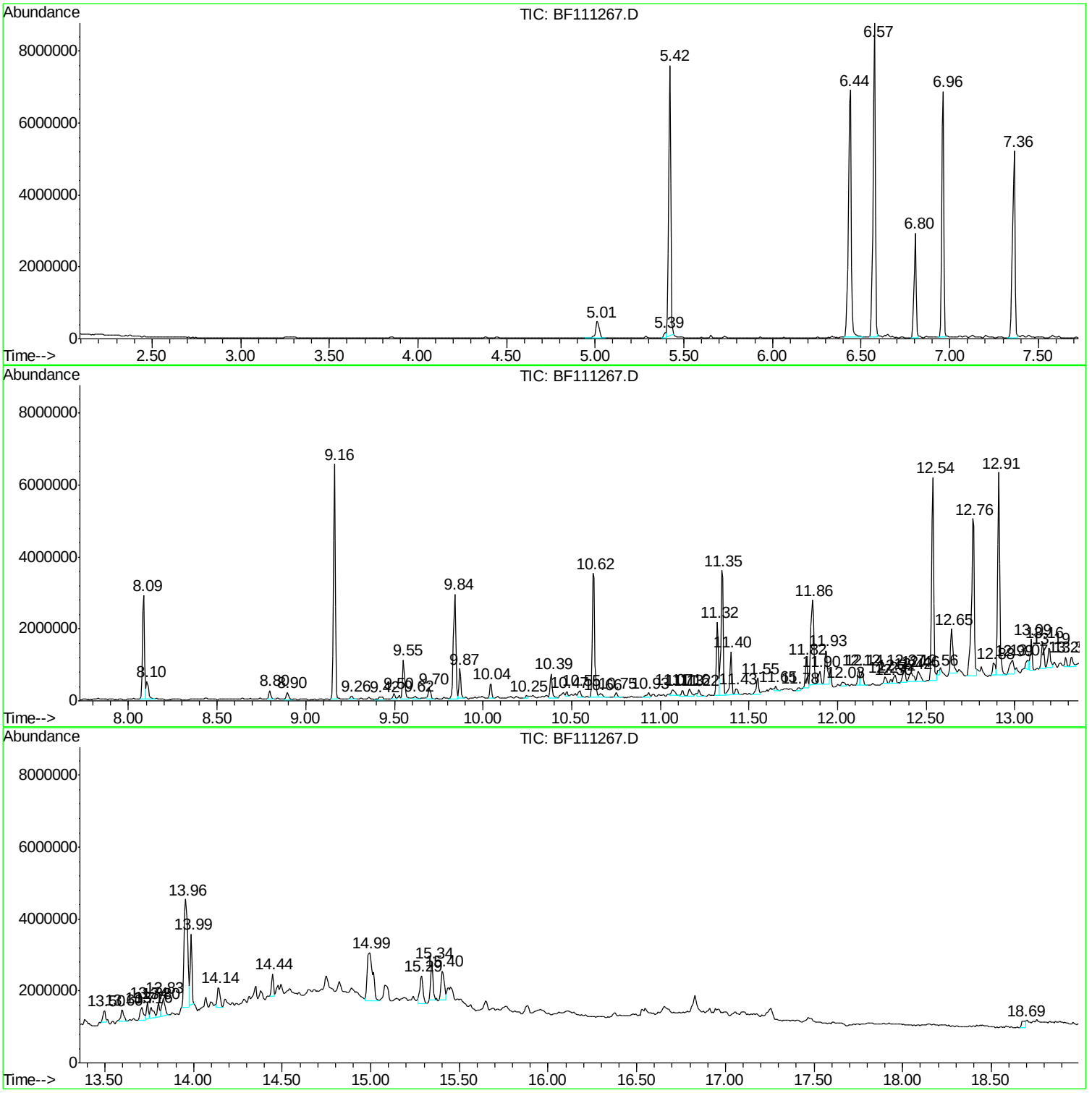
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

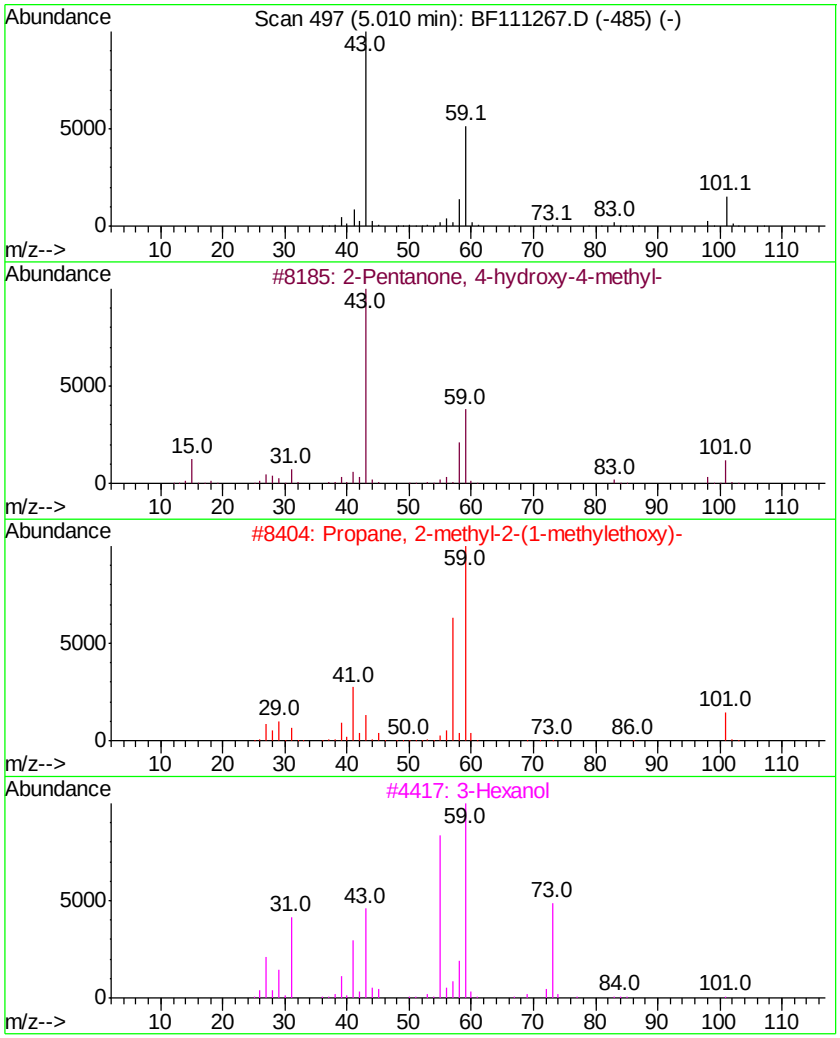
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

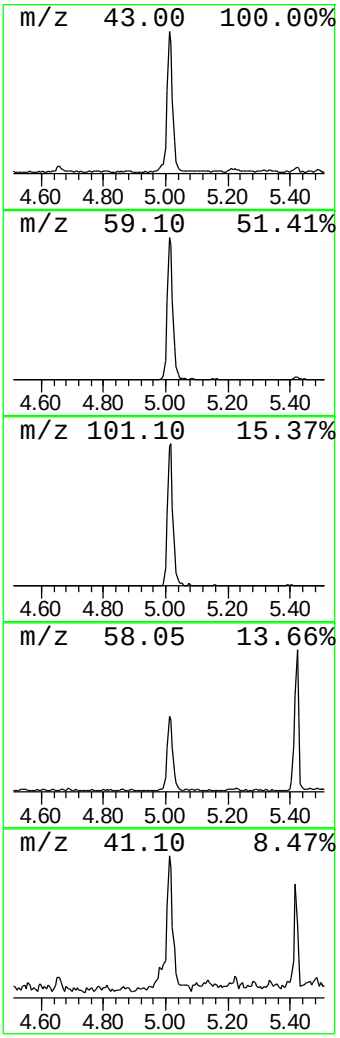
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	5.69 ng	657118	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	40
3	3-Hexanol	102	C6H14O	000623-37-0	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

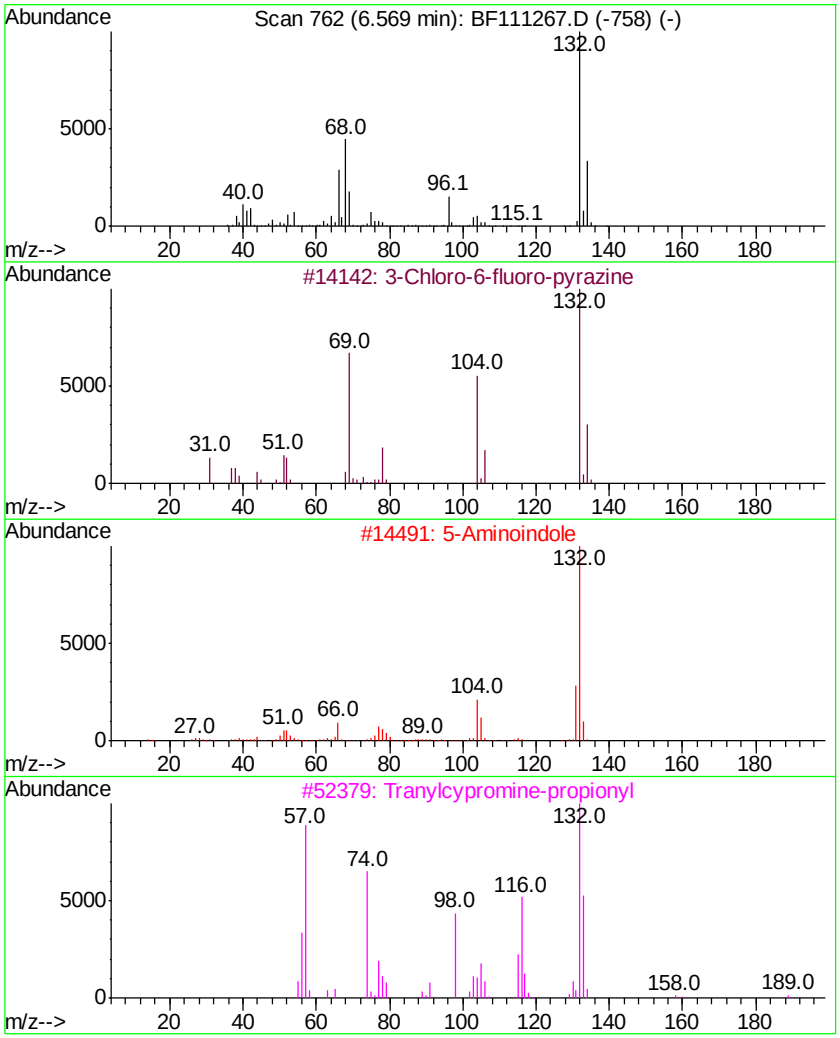
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

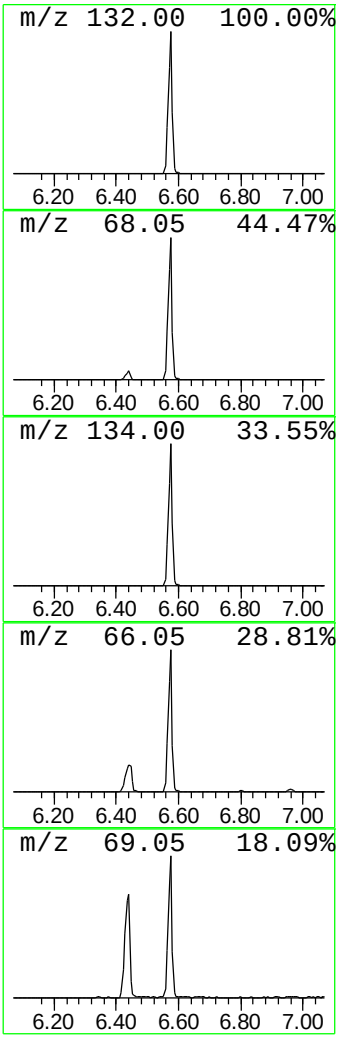
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	68.91 ng	7954850	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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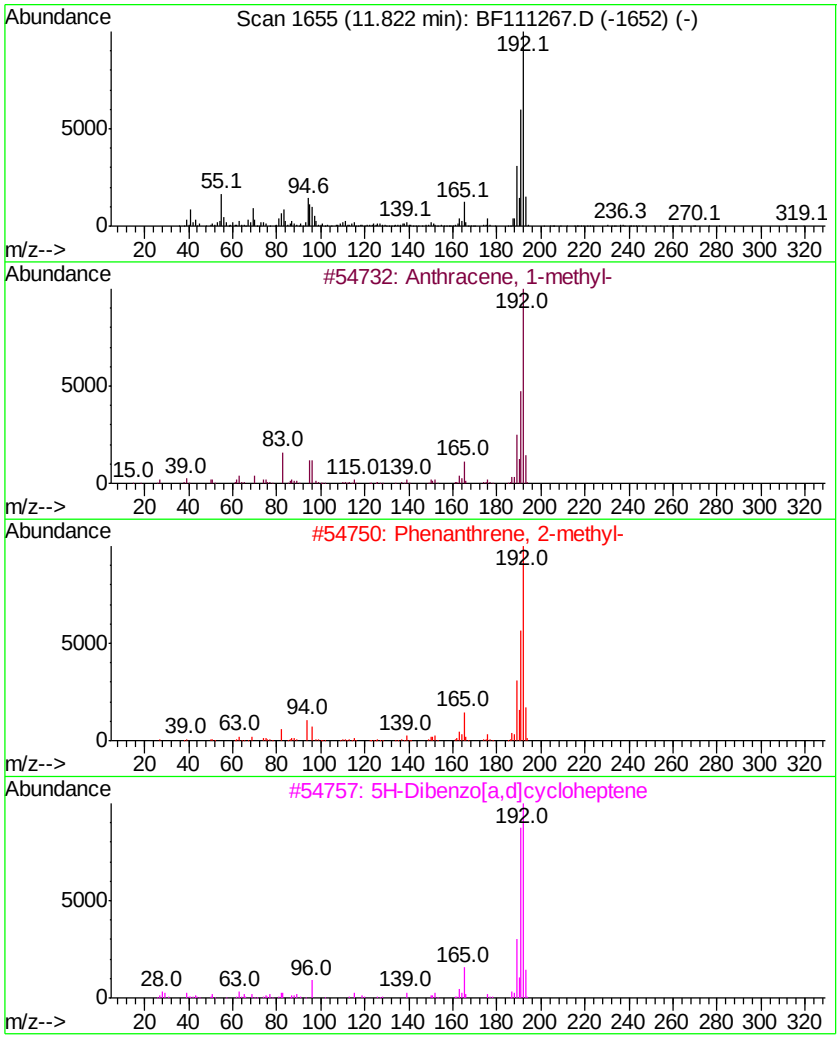
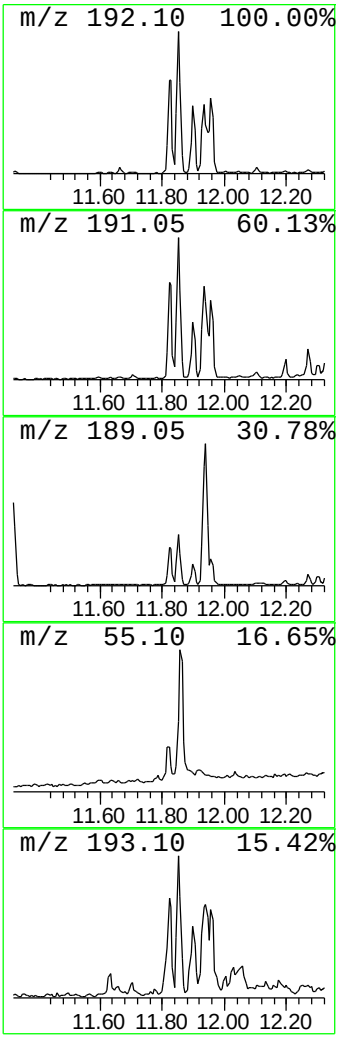
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.67 ng	790051	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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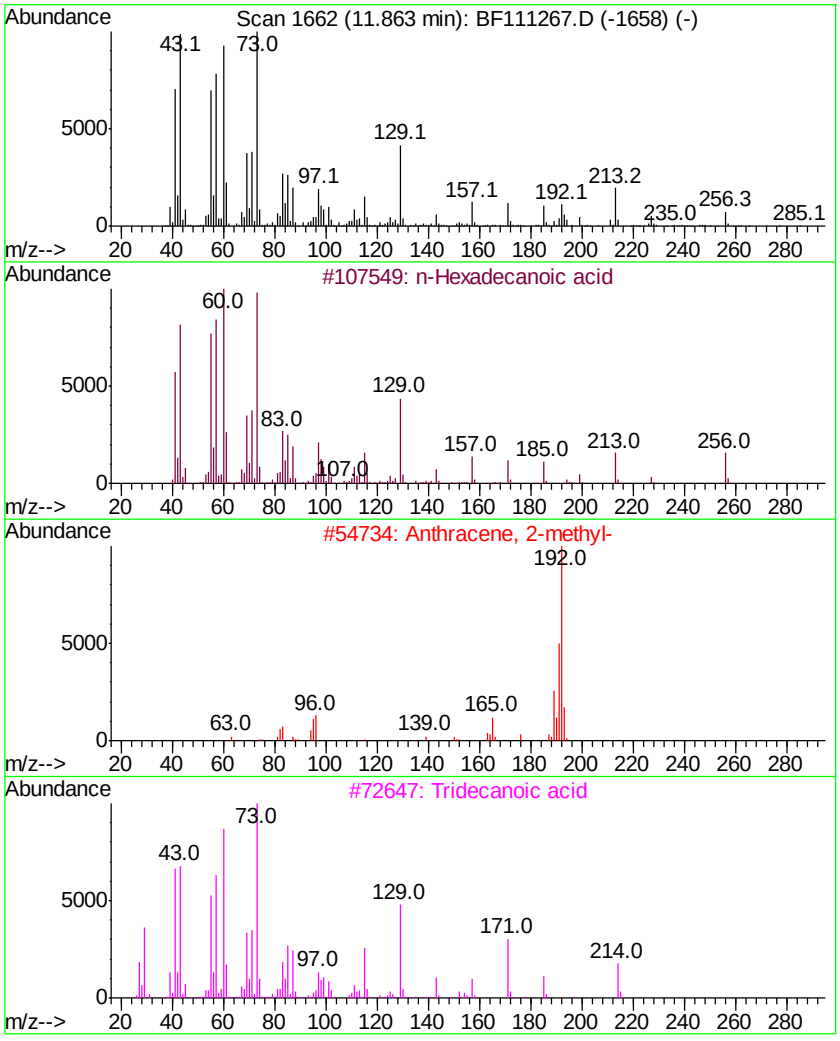
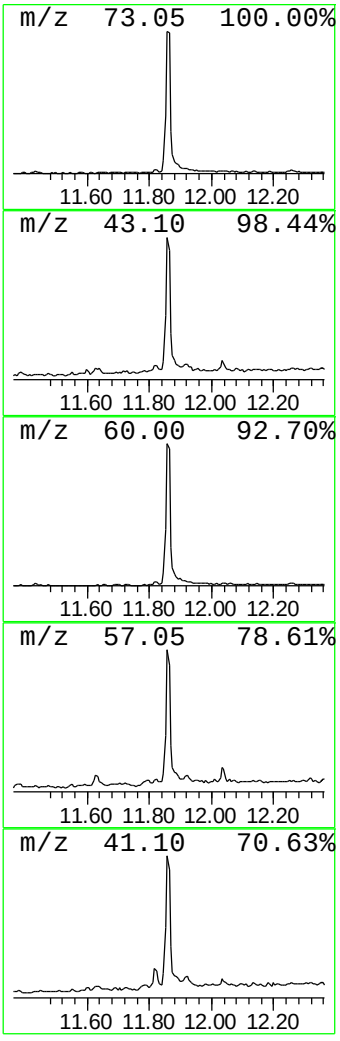
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	27.15 ng	2473160	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83





Library Search Compound Report

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Acq On : 11 Dec 2018 2:43
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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

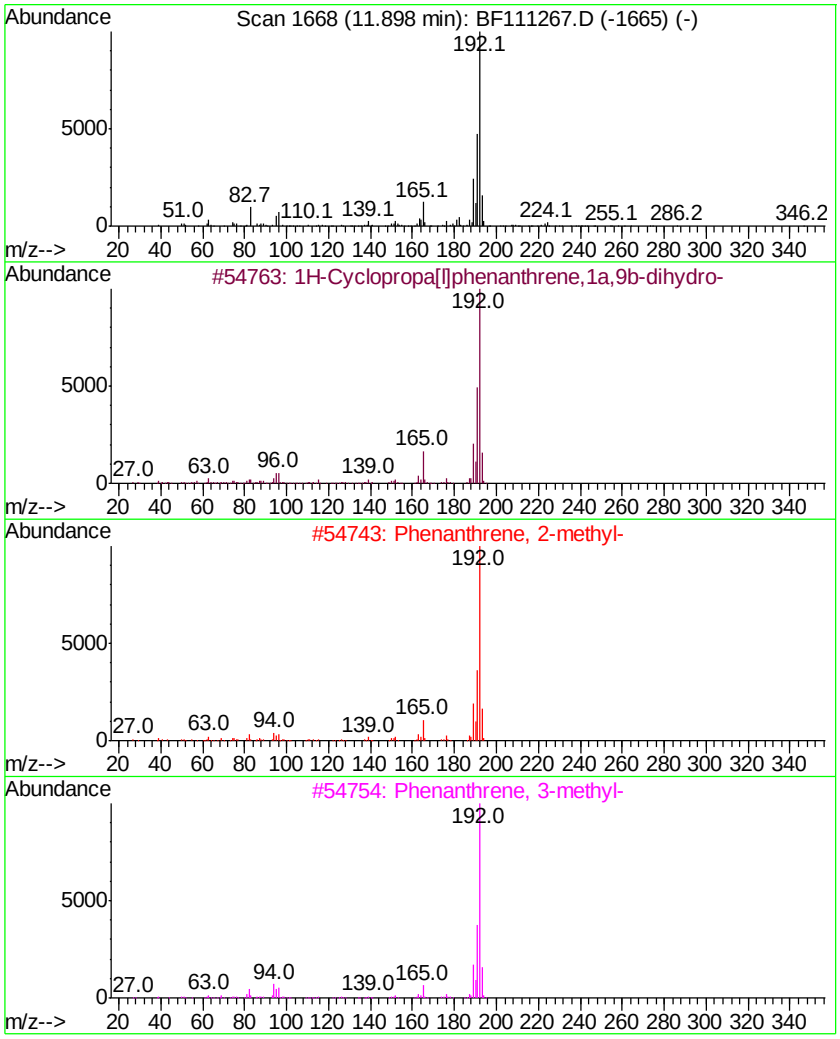
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

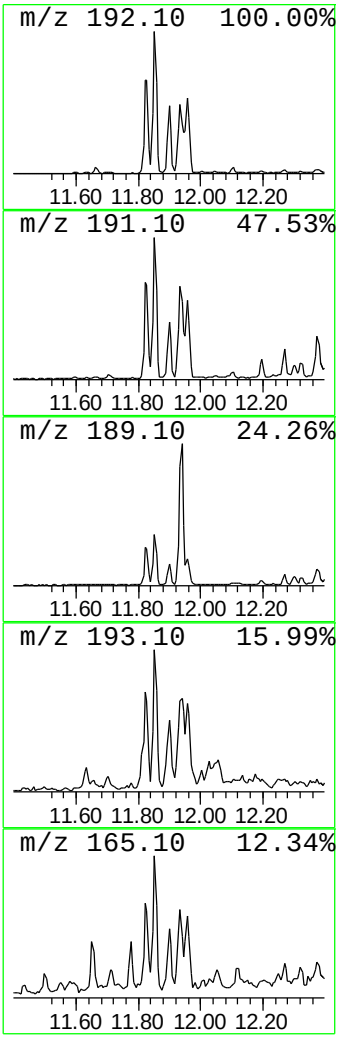
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.26 ng	296594	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111267.D
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Sample : J6214-09
Misc :
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

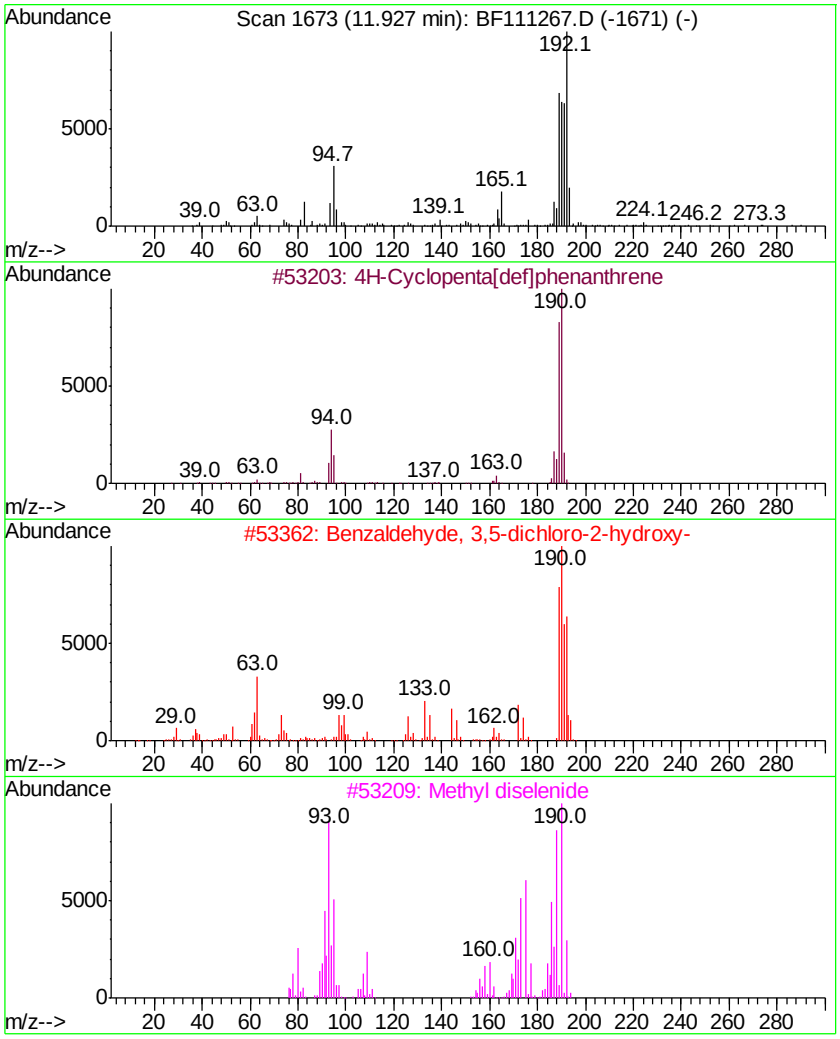
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

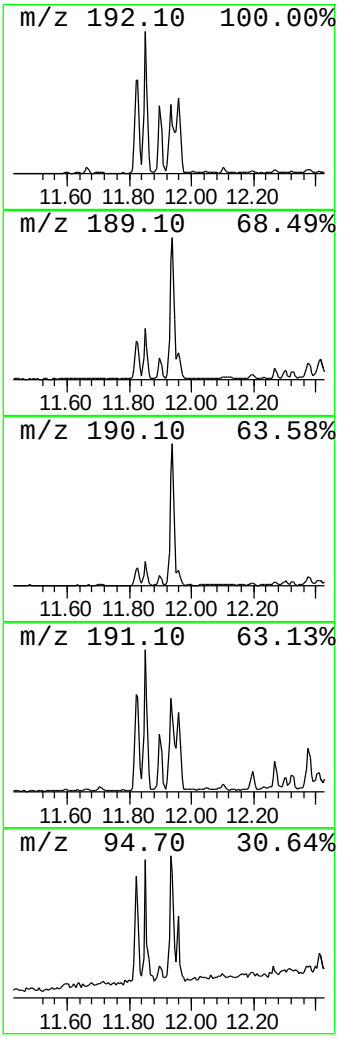
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.11 ng	1011820	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





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Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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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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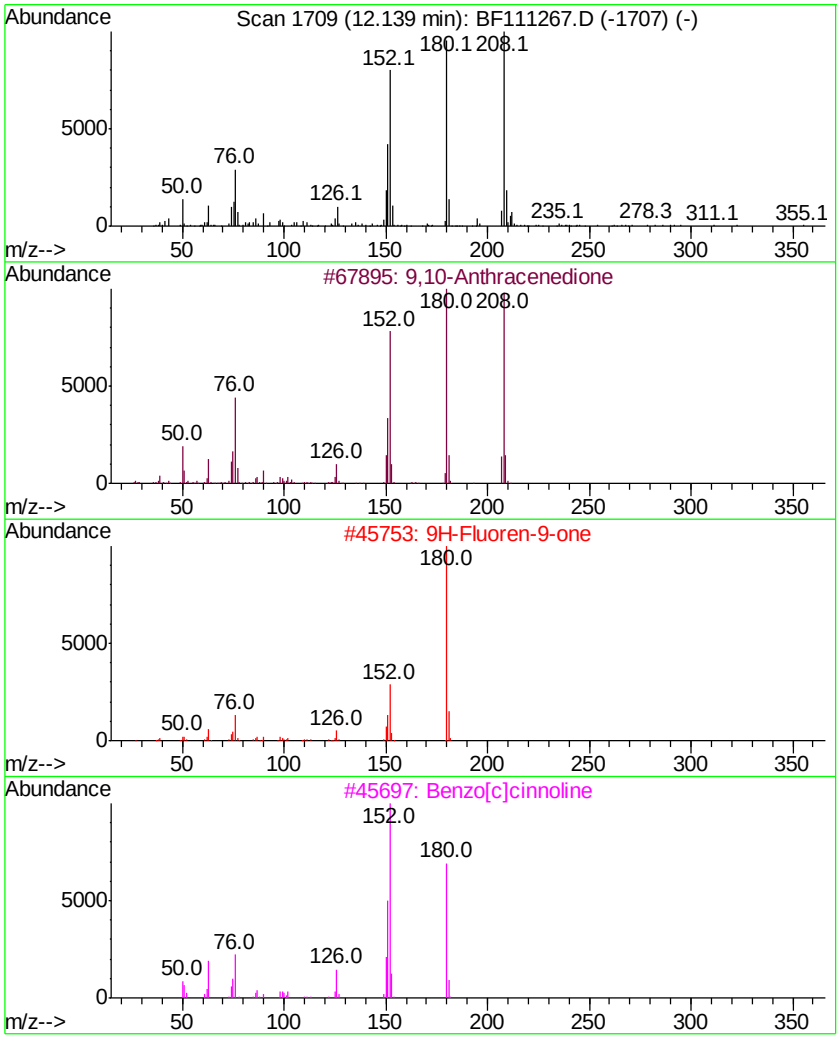
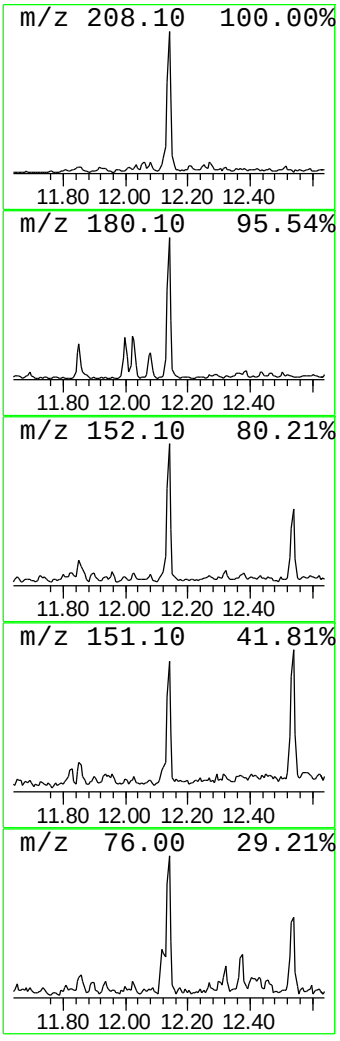
Peak Number 9 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.54 ng	322892	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Diphenic anhydride	224	C14H8O3	006050-13-1	58





Library Search Compound Report

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Sample : J6214-09
Misc :
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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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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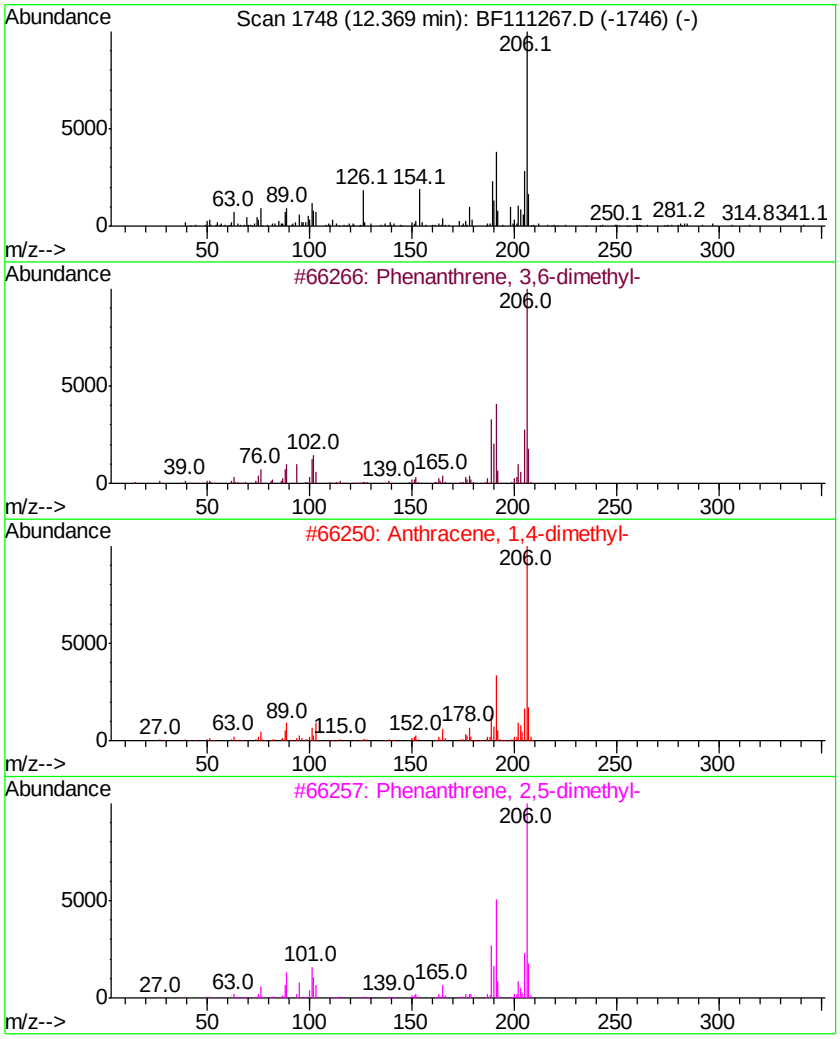
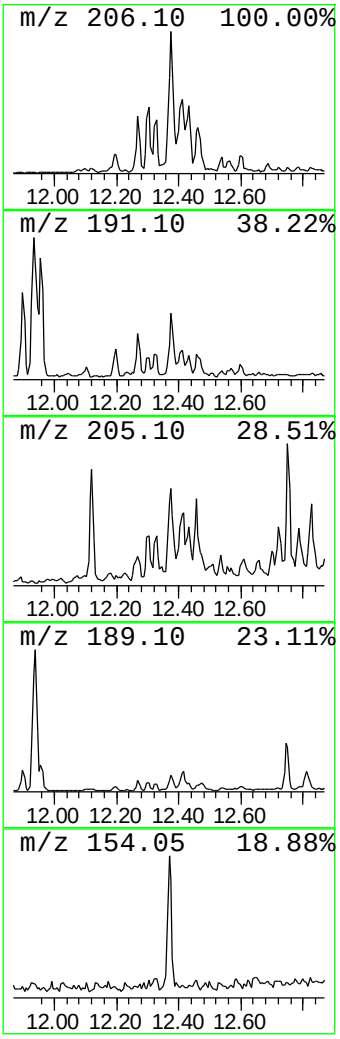
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.83 ng	349306	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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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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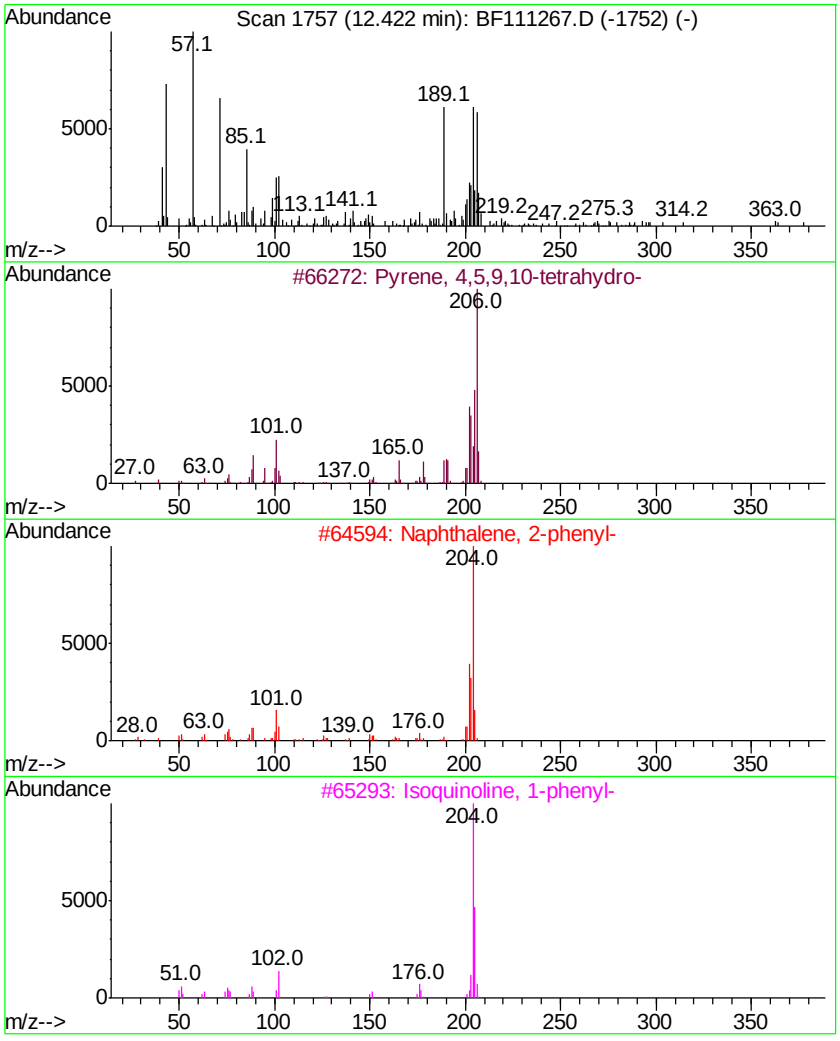
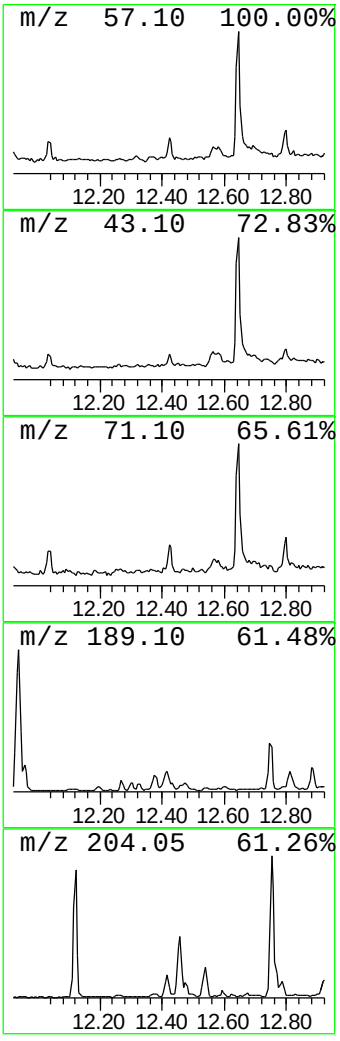
Peak Number 11 unknown12.42 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.89 ng	354531	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	35
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
5	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	005695-17-0	25





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Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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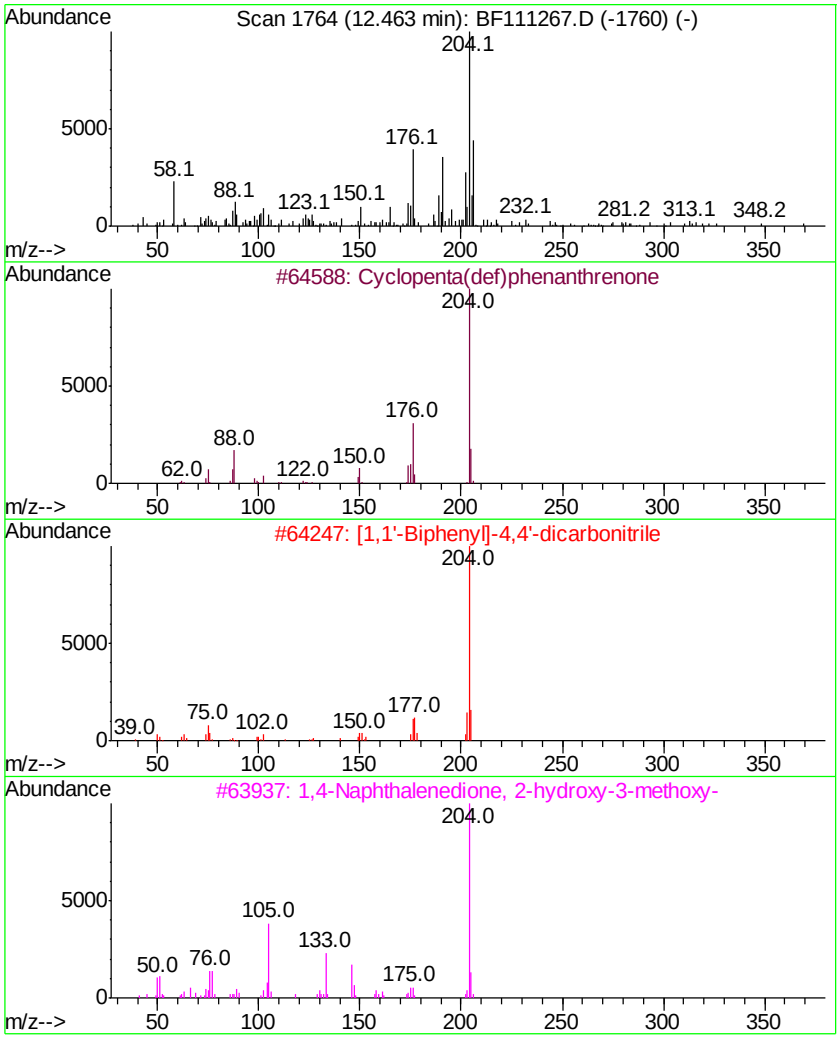
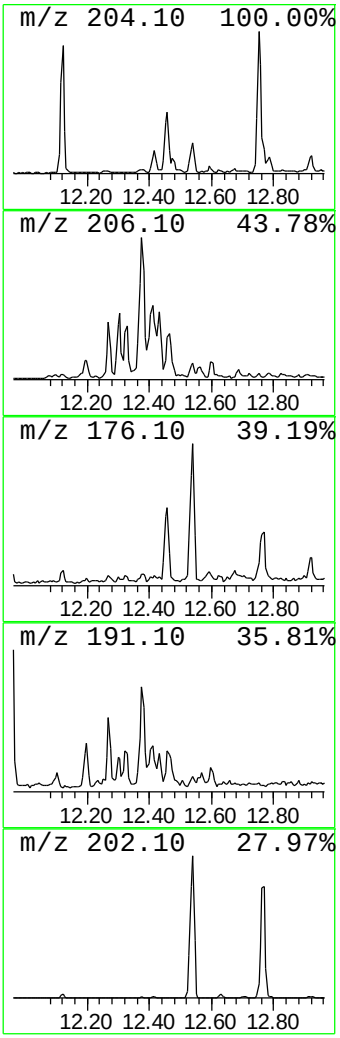
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.10 ng	373604	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	47
4	2-Methyl-6-nitro-4-quinolinol	204	C10H8N2O3	001207-82-5	47
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	46





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Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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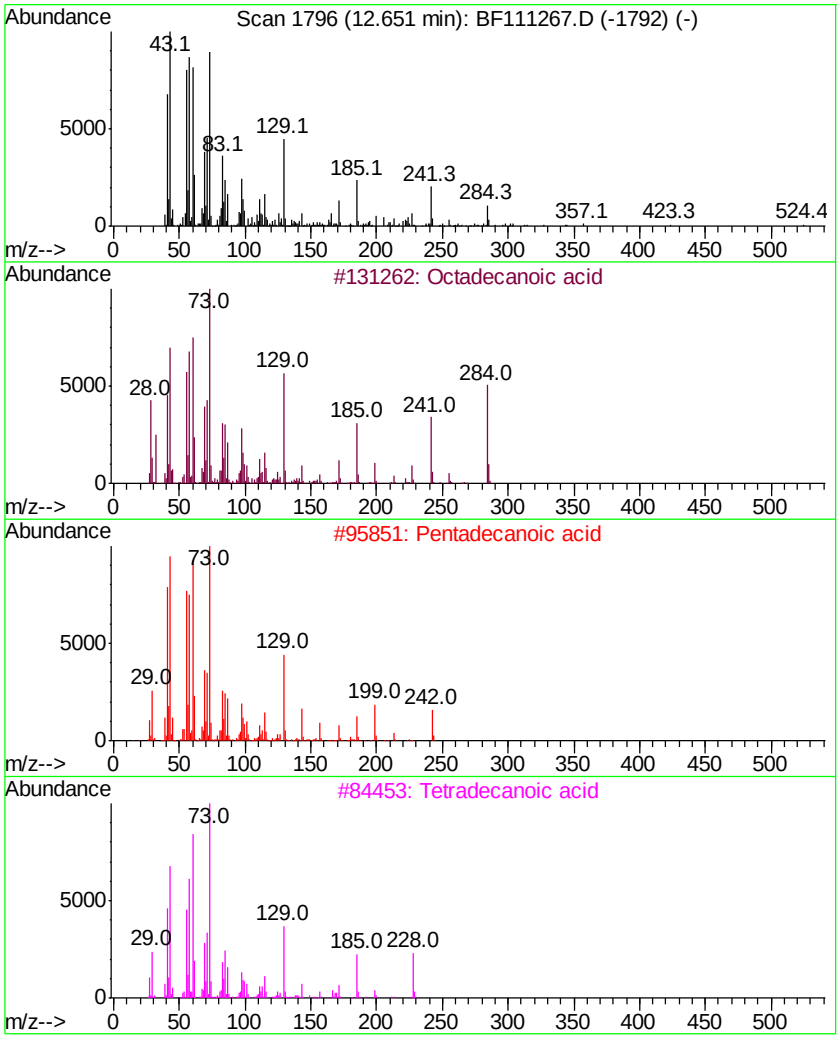
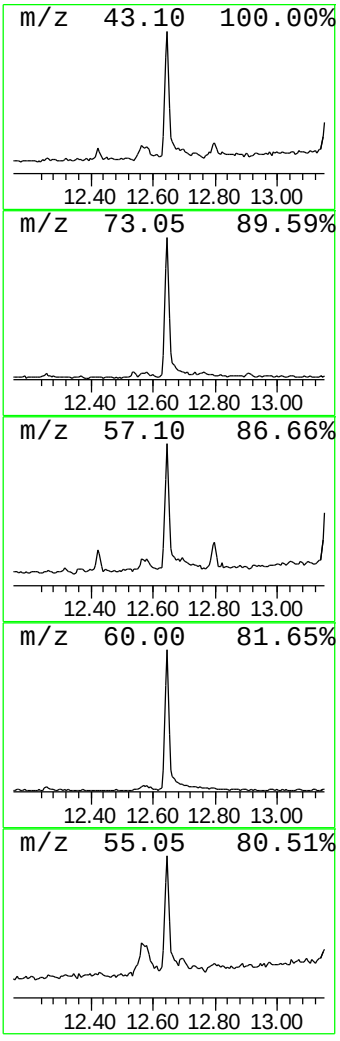
Peak Number 13 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.52 ng	1092040	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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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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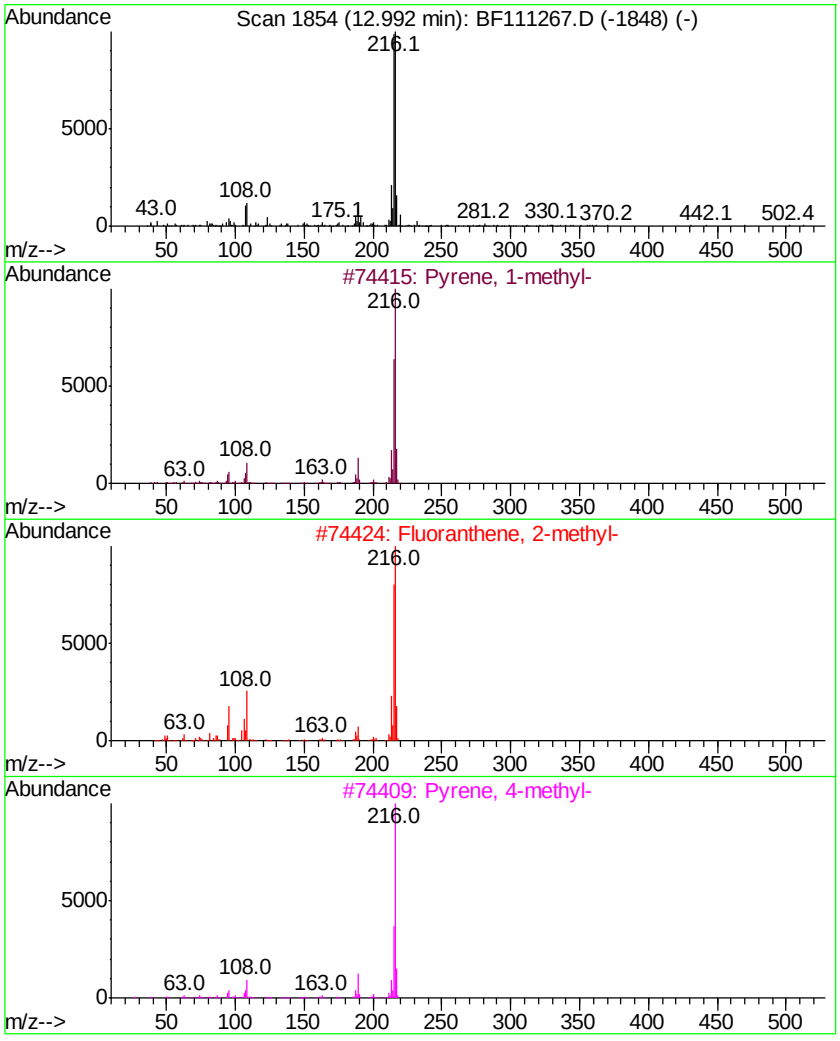
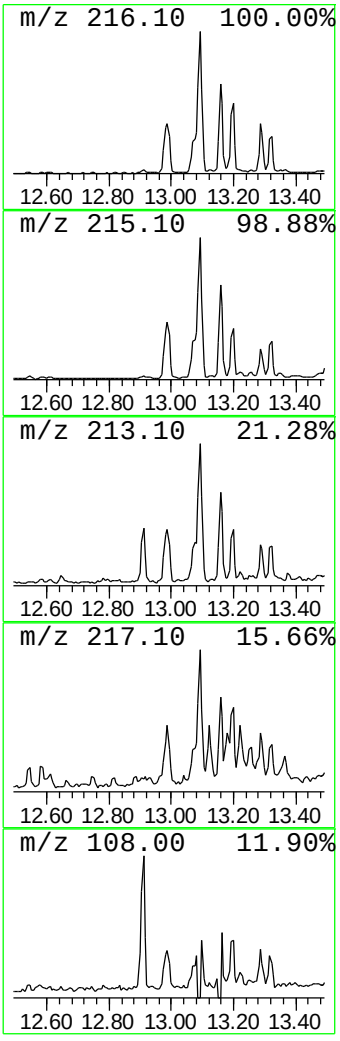
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.98 ng	589690	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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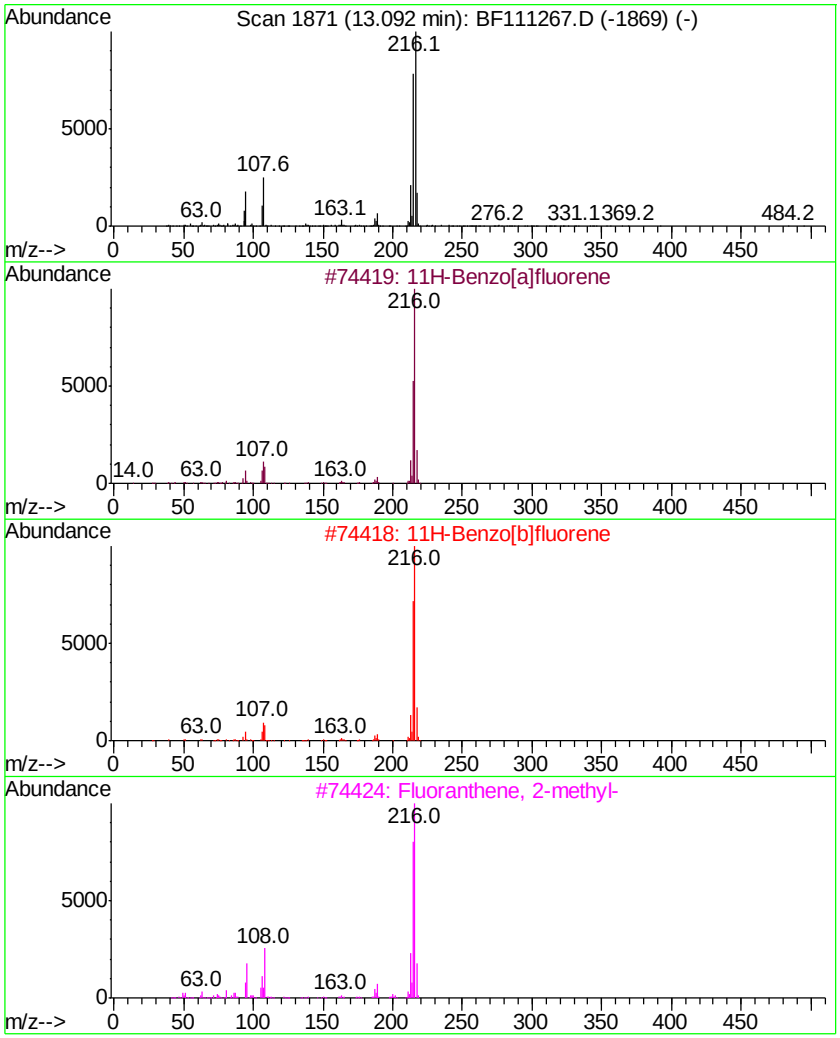
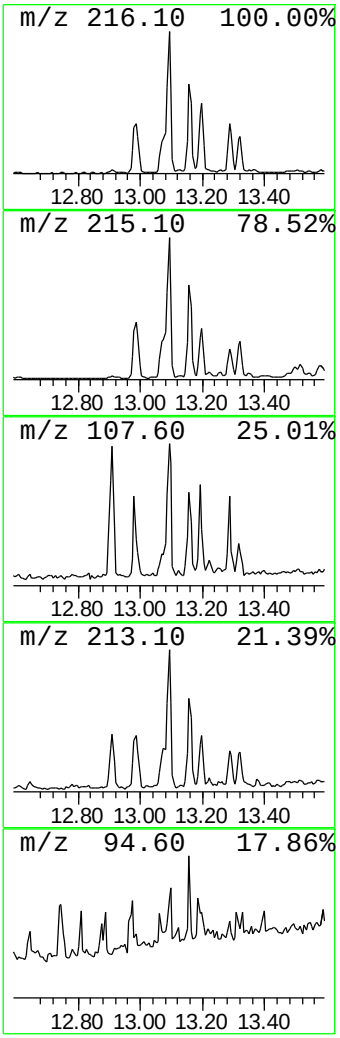
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.42 ng	676383	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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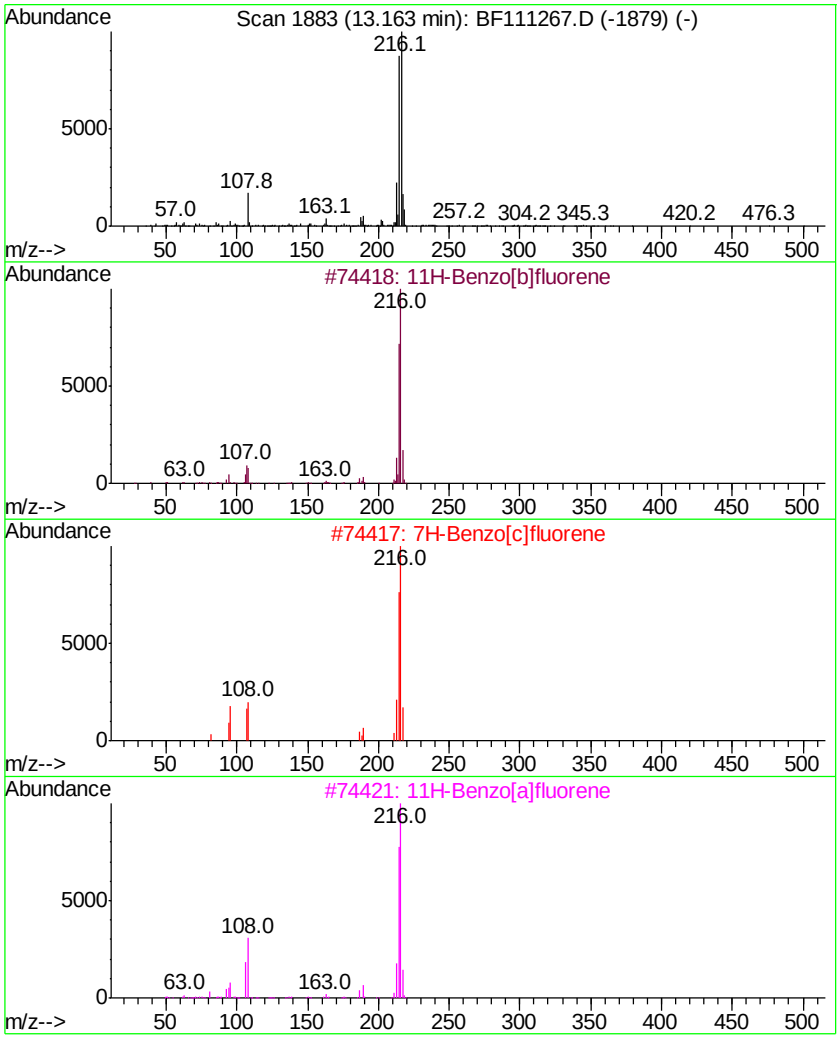
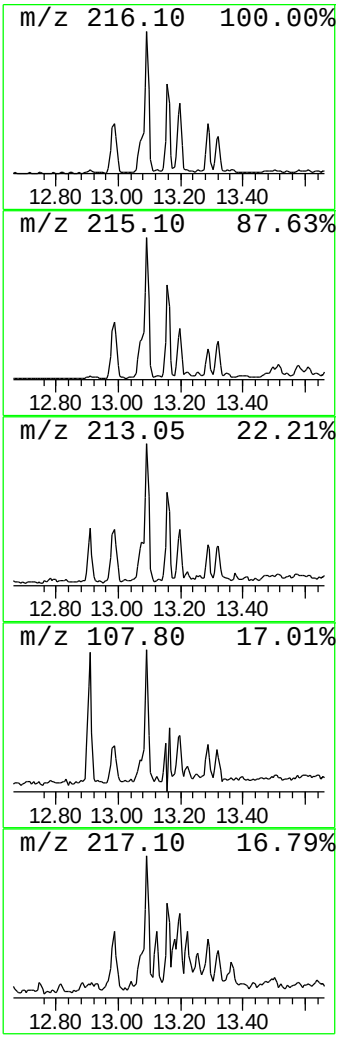
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.18 ng	629032	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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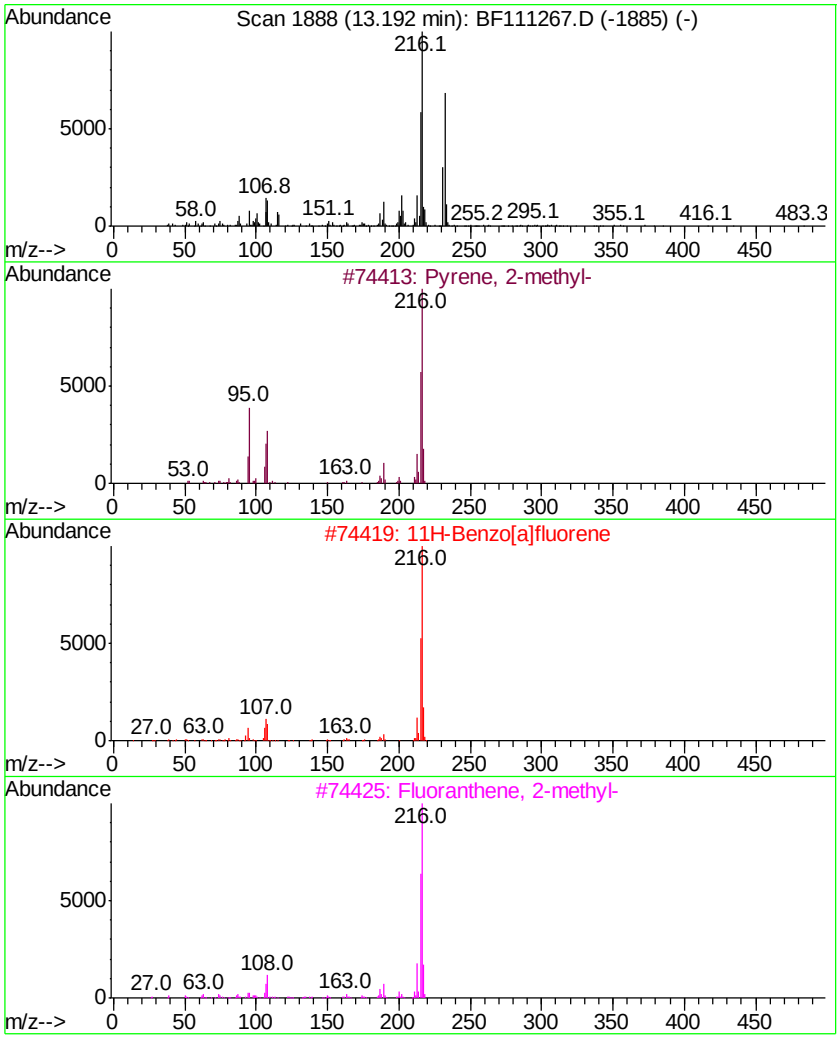
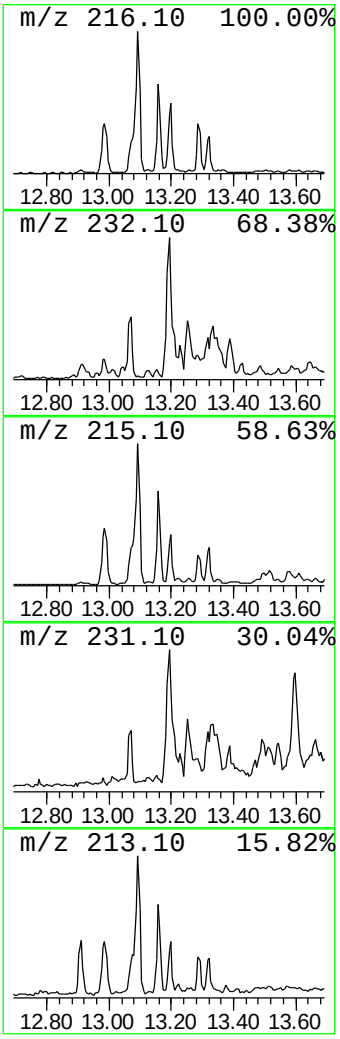
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.88 ng	569033	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46





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Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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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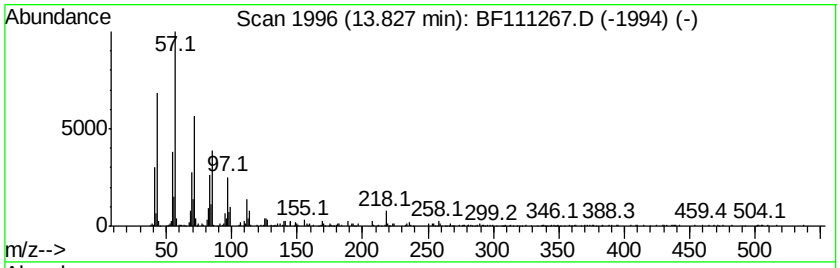
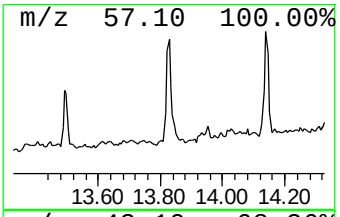
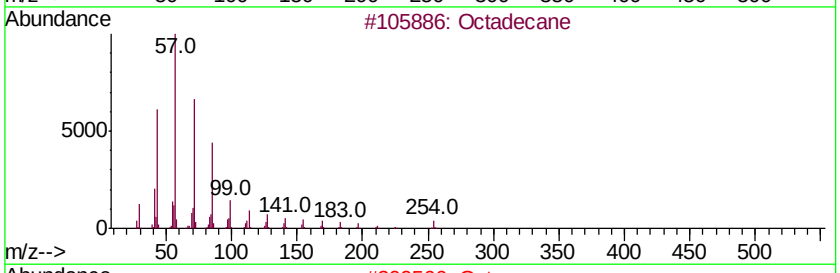
Peak Number 18 Octadecane Concentration Rank 19

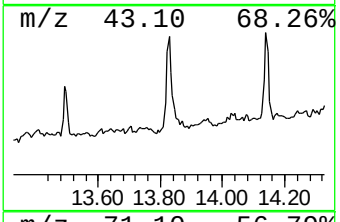
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.92 ng	577464	Chrysene-d12	13.96

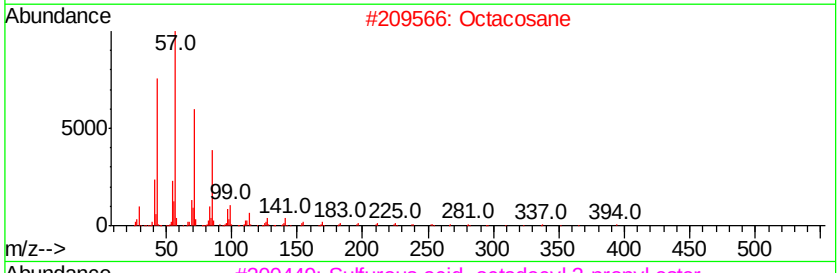
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Octacosane	394	C28H58	000630-02-4	86
3	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	83
4	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	70
5	Tetracosane	338	C24H50	000646-31-1	64

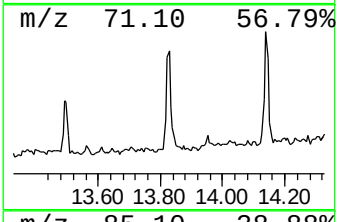


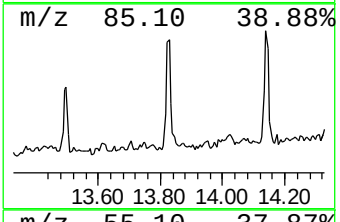


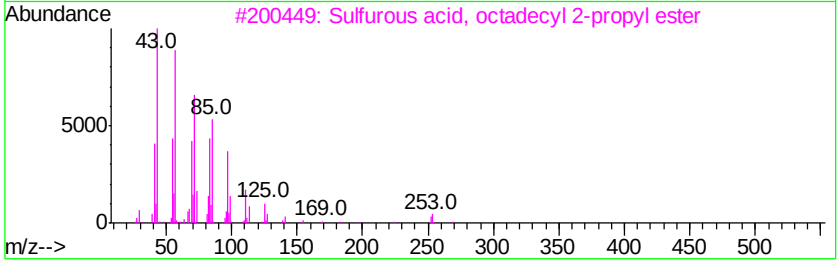


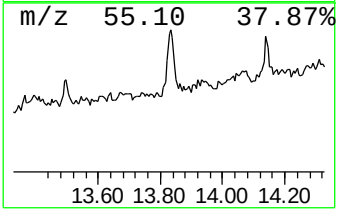












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

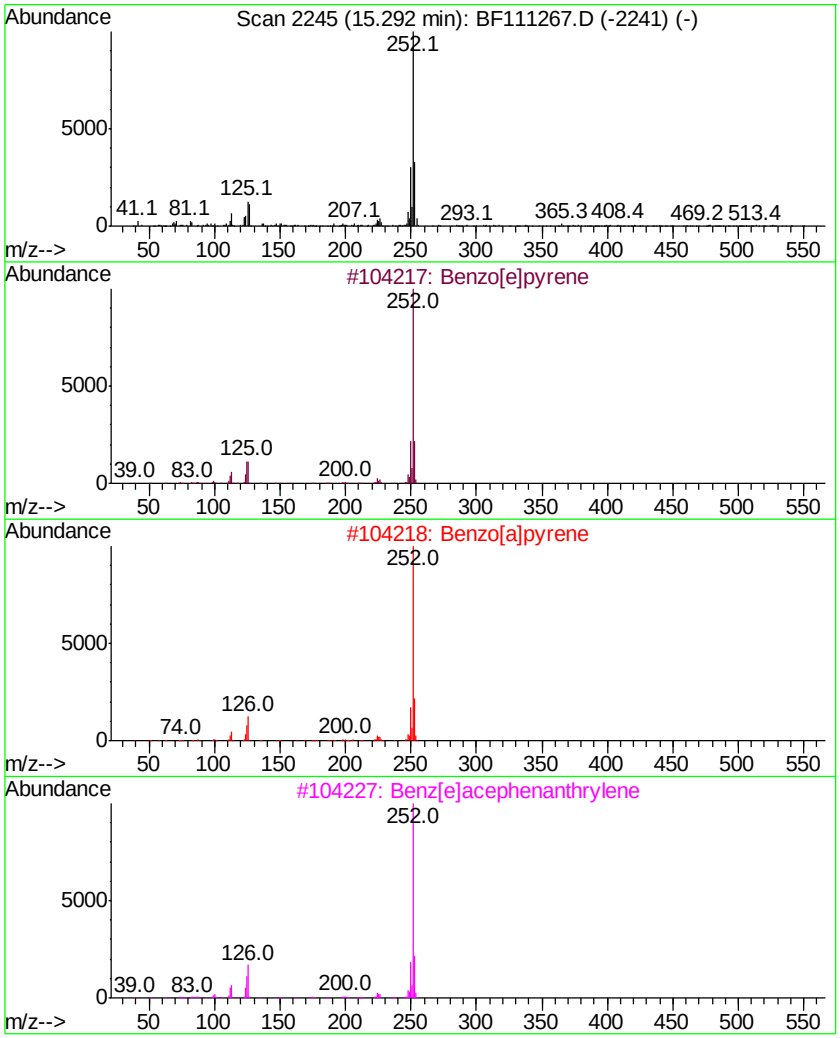
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

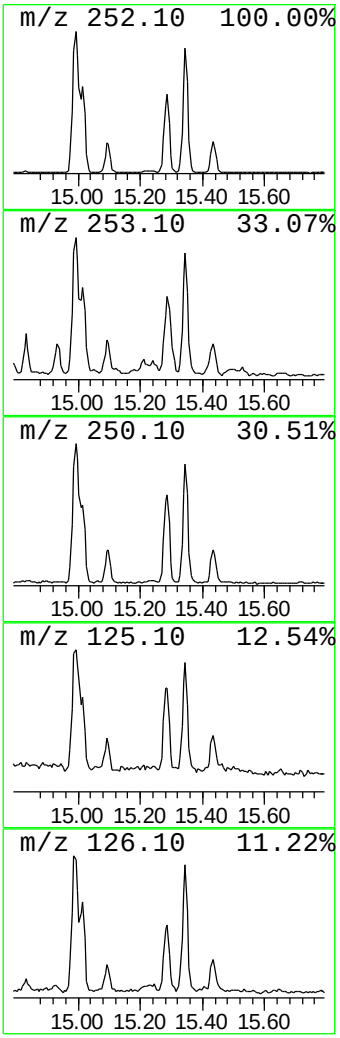
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	19.93 ng	968949	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121018\
Data File : BF111267.D
Acq On : 11 Dec 2018 2:43
Operator : JU/SJ
Sample : J6214-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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...	5.01	5.7	ng	657118	1	6.80	2308920	20.0
unknown6.57	6.57	68.9	ng	7954850	1	6.80	2308920	20.0
Anthracene, 1-met...	11.82	8.7	ng	790051	4	11.32	1821900	20.0
n-Hexadecanoic acid	11.86	27.1	ng	2473160	4	11.32	1821900	20.0
1H-Cyclopropa[l]p...	11.90	3.3	ng	296594	4	11.32	1821900	20.0
4H-Cyclopenta[def...	11.93	11.1	ng	1011820	4	11.32	1821900	20.0
9,10-Anthracenedione	12.14	3.5	ng	322892	4	11.32	1821900	20.0
Phenanthrene, 3,6...	12.37	3.8	ng	349306	4	11.32	1821900	20.0
unknown12.42	12.42	3.9	ng	354531	4	11.32	1821900	20.0
Cyclopenta(def)ph...	12.46	4.1	ng	373604	4	11.32	1821900	20.0
Octadecanoic acid	12.65	5.5	ng	1092040	5	13.96	3956310	20.0
Pyrene, 1-methyl-	12.99	3.0	ng	589690	5	13.96	3956310	20.0
11H-Benzo[a]fluorene	13.09	3.4	ng	676383	5	13.96	3956310	20.0
11H-Benzo[b]fluorene	13.16	3.2	ng	629032	5	13.96	3956310	20.0
Pyrene, 2-methyl-	13.19	2.9	ng	569033	5	13.96	3956310	20.0
Octadecane	13.83	2.9	ng	577464	5	13.96	3956310	20.0
Benzo[e]pyrene	15.29	19.9	ng	968949	6	15.40	972311	20.0