LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121803.D
Acq On : 2 Oct 2020 19:49
Operator : JU/CG
Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

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-BF091020.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	4.987	488	493	502	rBV	63756	91100	2.62%	0.242%
2	5.392	557	562	565	rBV	2876839	2921446	84.09%	7.766%
3	6.404	729	734	747	rBV	2728253	3100305	89.24%	8.242%
4	6.598	762	767	773	rBV2	69581	81252	2.34%	0.216%
5	6.763	791	795	798	rBV	1021784	810189	23.32%	2.154%
6	7.328	886	891	894	rBV	2079240	2125325	61.17%	5.650%
7	7.363	894	897	902	rVB	49963	53937	1.55%	0.143%
8	8.045	1007	1013	1016	rBV	1184096	1031342	29.69%	2.742%
9	8.757	1131	1134	1142	rBV	46419	43375	1.25%	0.115%
10	9.122	1190	1196	1199	rBV	3770728	3474228	100.00%	9.236%
11	9.516	1259	1263	1267	rVB	413470	320673	9.23%	0.852%
12	9.657	1284	1287	1292	rVB	145746	122534	3.53%	0.326%
13	9.798	1304	1311	1314	rBV	1252729	1020456	29.37%	2.713%
14	9.827	1314	1316	1320	rVB	136128	119624	3.44%	0.318%
15	10.004	1342	1346	1350	rBV	76339	73562	2.12%	0.196%
16	10.345	1401	1404	1409	rVB	139631	119370	3.44%	0.317%
17	10.586	1439	1445	1455	rBV	1842678	1749628	50.36%	4.651%
18	10.716	1462	1467	1470	rVB3	39588	55834	1.61%	0.148%
19	10.892	1491	1497	1500	rBV3	37392	56153	1.62%	0.149%
20	11.086	1528	1530	1534	rVB	64334	60120	1.73%	0.160%
21	11.145	1534	1540	1543	rVV3	38903	67904	1.95%	0.181%
22	11.180	1543	1546	1552	rVB	79562	78796	2.27%	0.209%
23	11.280	1559	1563	1565	rBV	939426	873300	25.14%	2.322%
24	11.310	1565	1568	1571	rVV	1167654	1044630	30.07%	2.777%
25	11.357	1573	1576	1579	rVB	361373	288203	8.30%	0.766%
26	11.516	1597	1603	1608	rBV2	141342	177183	5.10%	0.471%
27	11.574	1611	1613	1617	rVV3	66606	65721	1.89%	0.175%
28	11.616	1617	1620	1624	rVB4	37477	43269	1.25%	0.115%
29	11.786	1643	1649	1651	rBV	160123	160868	4.63%	0.428%
30	11.810	1651	1653	1656	rVV	238505	203231	5.85%	0.540%
31	11.857	1656	1661	1664	rVV2	93676	106990	3.08%	0.284%
32	11.892	1664	1667	1670	rVV	247964	300980	8.66%	0.800%
33	11.916	1670	1671	1676	rVB	119080	82146	2.36%	0.218%
34	11.986	1681	1683	1686	rVB2	46191	41366	1.19%	0.110%

LSC Area Percent Report

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Sample : L4213-09
Misc :
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Instrument : BNA_F
ClientSampleId : B-17(3-4)

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.080	1695	1699	1701	rBV	98936	89253	2.57%	0.237%
36	12.104	1701	1703	1706	rVB	97302	85289	2.45%	0.227%
37	12.227	1719	1724	1727	rBV3	63049	83199	2.39%	0.221%
38	12.257	1727	1729	1731	rVV2	43388	36615	1.05%	0.097%
39	12.333	1736	1742	1745	rBV	115201	146488	4.22%	0.389%
40	12.368	1745	1748	1750	rVV	80885	83886	2.41%	0.223%
41	12.421	1754	1757	1761	rBV	98261	117499	3.38%	0.312%
42	12.498	1765	1770	1773	rBV	1678235	1500245	43.18%	3.988%
43	12.557	1778	1780	1783	rVV	53249	47243	1.36%	0.126%
44	12.586	1783	1785	1788	rVV	66926	59425	1.71%	0.158%
45	12.721	1802	1808	1814	rVB	1325662	1608290	46.29%	4.276%
46	12.768	1814	1816	1820	rBV2	53649	58570	1.69%	0.156%
47	12.804	1820	1822	1825	rVB	56540	45808	1.32%	0.122%
48	12.868	1829	1833	1836	rVV	2968097	2737548	78.80%	7.278%
49	12.945	1840	1846	1849	rBV3	112810	190429	5.48%	0.506%
50	13.027	1857	1860	1862	rBV4	97252	129003	3.71%	0.343%
51	13.051	1862	1864	1867	rVB	235576	194770	5.61%	0.518%
52	13.115	1867	1875	1878	rBV2	203739	317732	9.15%	0.845%
53	13.157	1878	1882	1884	rBV2	157993	180378	5.19%	0.480%
54	13.245	1895	1897	1900	rVB	100899	89380	2.57%	0.238%
55	13.274	1900	1902	1906	rVB	73968	67891	1.95%	0.180%
56	13.557	1947	1950	1955	rVB	162176	195309	5.62%	0.519%
57	13.668	1966	1969	1971	rBV2	148609	138551	3.99%	0.368%
58	13.698	1971	1974	1976	rVV	117917	104112	3.00%	0.277%
59	13.721	1976	1978	1979	rVV	95627	75543	2.17%	0.201%
60	13.768	1983	1986	1993	rVB2	359629	496470	14.29%	1.320%
61	13.915	2005	2011	2014	rBV2	1188084	1767827	50.88%	4.700%
62	13.945	2014	2016	2022	rVB	772189	739661	21.29%	1.966%
63	14.027	2027	2030	2032	rVB	96971	81809	2.35%	0.217%
64	14.068	2035	2037	2038	rBV	67862	52329	1.51%	0.139%
65	14.304	2075	2077	2081	rVB	161877	160056	4.61%	0.425%
66	14.339	2081	2083	2087	rVB2	78944	82426	2.37%	0.219%
67	14.827	2163	2166	2169	rBV2	159885	169267	4.87%	0.450%
68	14.951	2182	2187	2189	rBV	707687	991187	28.53%	2.635%
69	15.015	2195	2198	2201	rVV2	130407	139705	4.02%	0.371%
70	15.051	2201	2204	2214	rVB2	331917	556270	16.01%	1.479%
71	15.239	2232	2236	2242	rVB	417560	510070	14.68%	1.356%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : B-17(3-4)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.298	2242	2246	2251	rBV	574279	691452	19.90%	1.838%
73	15.362	2252	2257	2260	rBV	523688	721424	20.77%	1.918%
74	15.568	2290	2292	2298	rVB3	110382	149171	4.29%	0.397%
75	15.792	2327	2330	2337	rVB	111846	163999	4.72%	0.436%
76	16.768	2491	2496	2503	rVB2	239747	437784	12.60%	1.164%
77	17.198	2563	2569	2579	rVB	180954	357926	10.30%	0.952%

Sum of corrected areas: 37616329

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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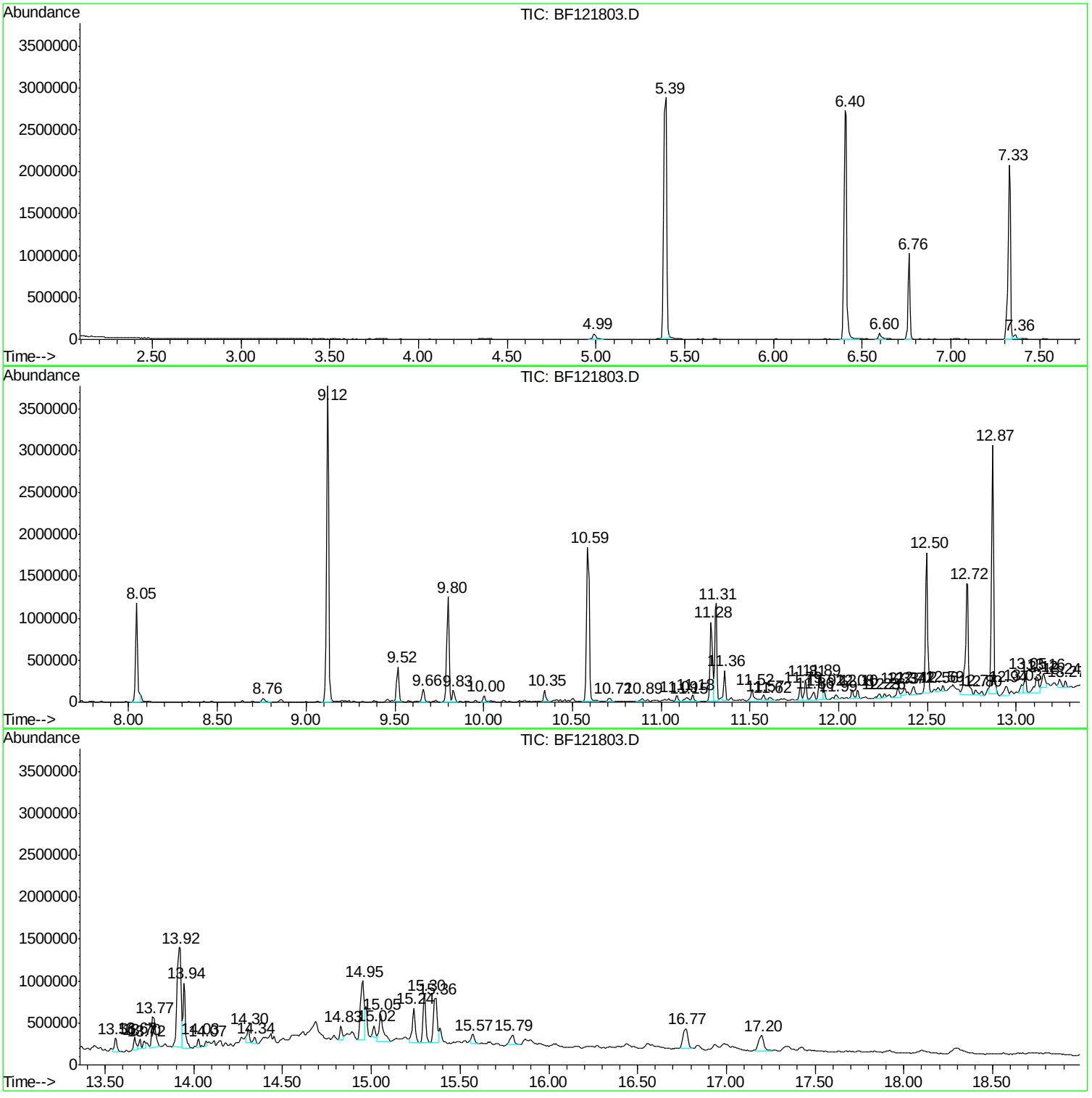
Acq On : 2 Oct 2020 19:49
Operator : JU/CG
Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF100220\
Data File : BF121803.D
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Operator : JU/CG
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

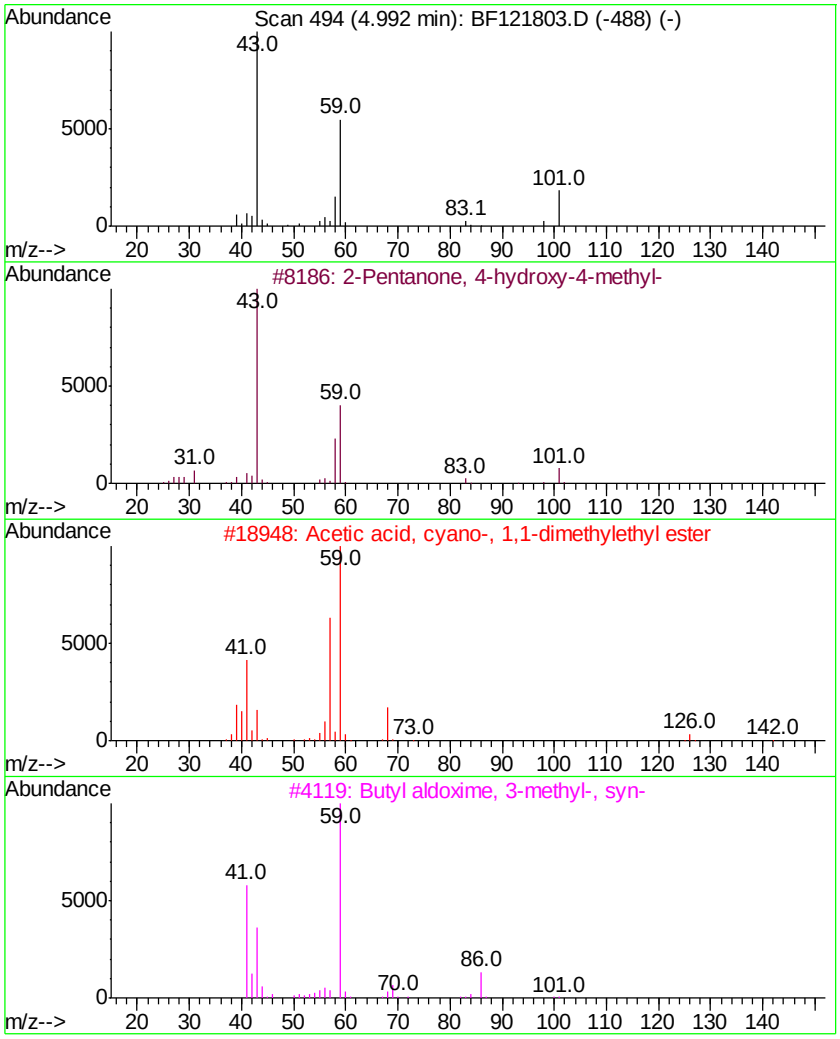
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

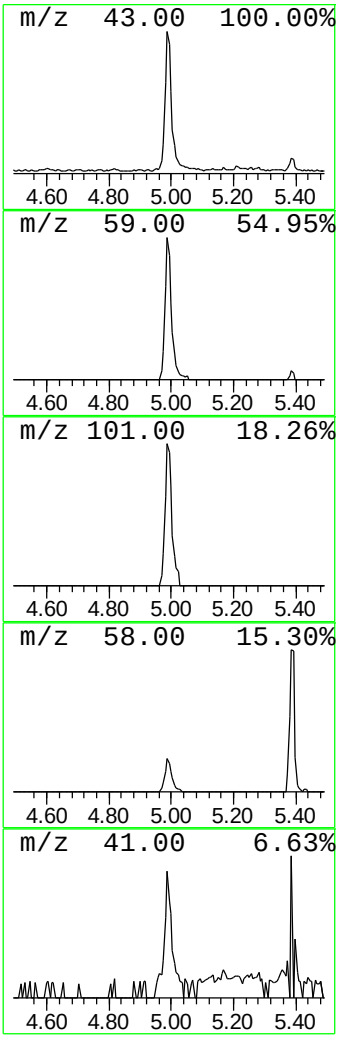
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	2.25 ng	91100	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4	Acetone	58	C3H6O	000067-64-1	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Operator : JU/CG
Sample : L4213-09
Misc :
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Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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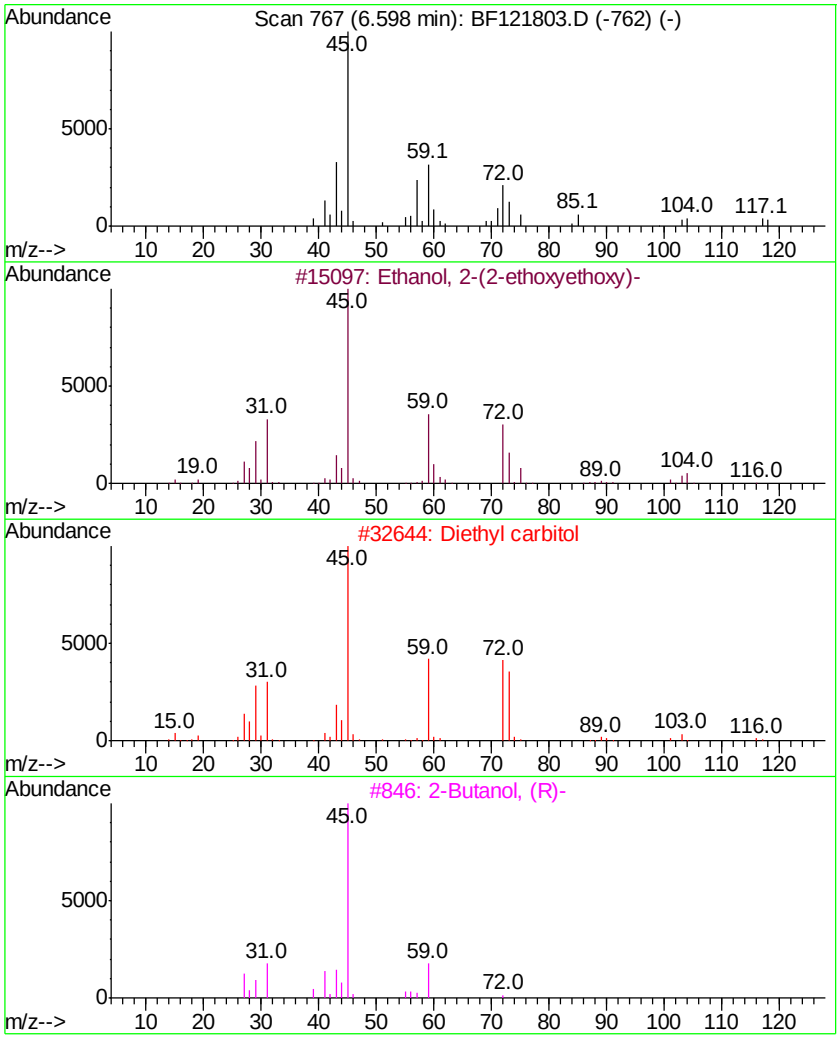
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

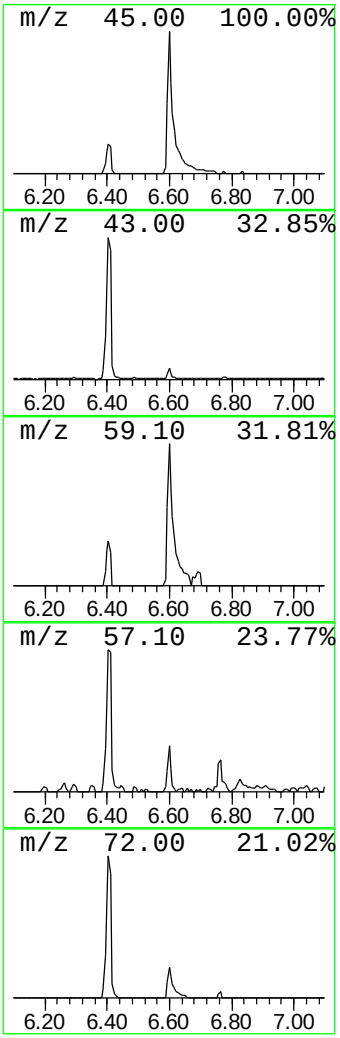
****

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	2.01 ng	81252	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	78
2	Diethyl carbitol	162	C8H18O3	000112-36-7	72
3	2-Butanol, (R)-	74	C4H10O	014898-79-4	53
4	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	50
5	Butanoic acid, 4-methoxy-	118	C5H10O3	029006-02-8	42





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Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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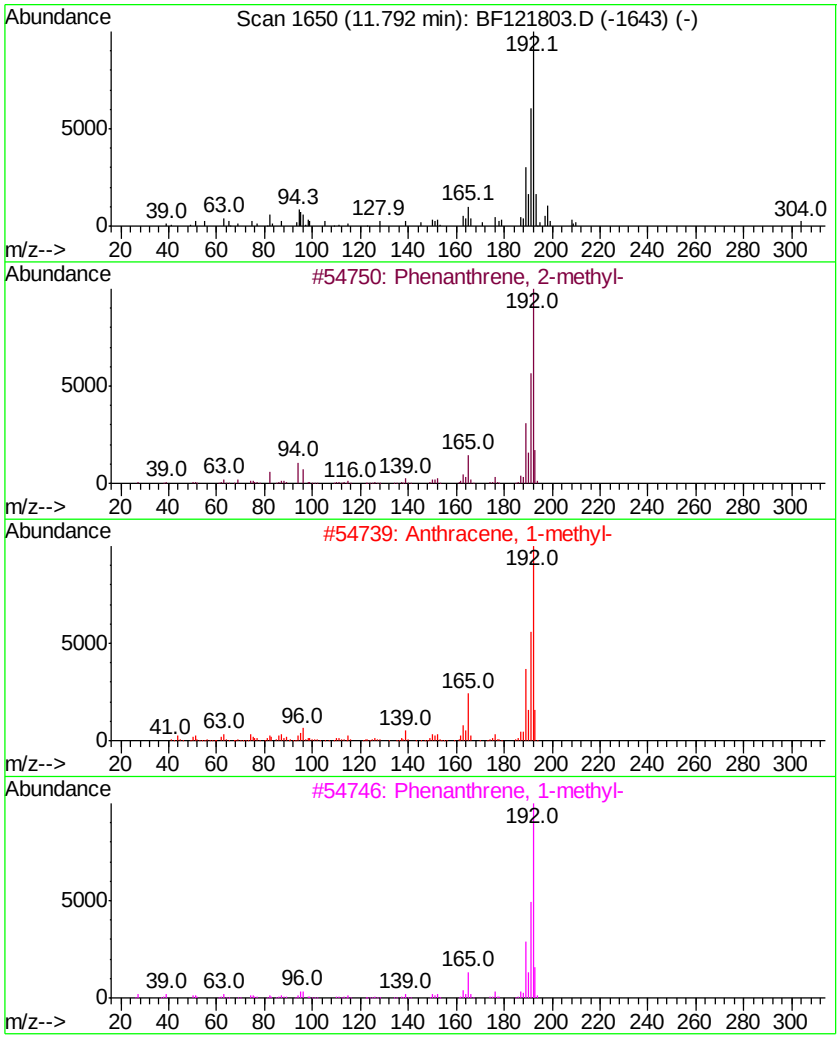
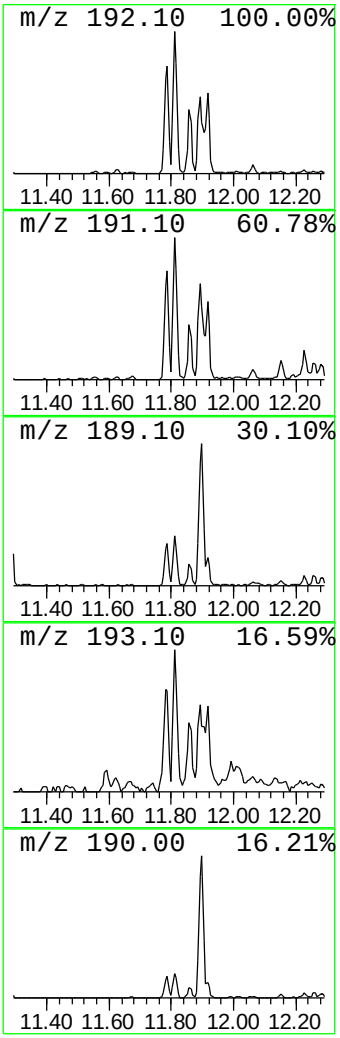
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.68 ng	160868	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Instrument : BNA_F
ClientSampleId : B-17(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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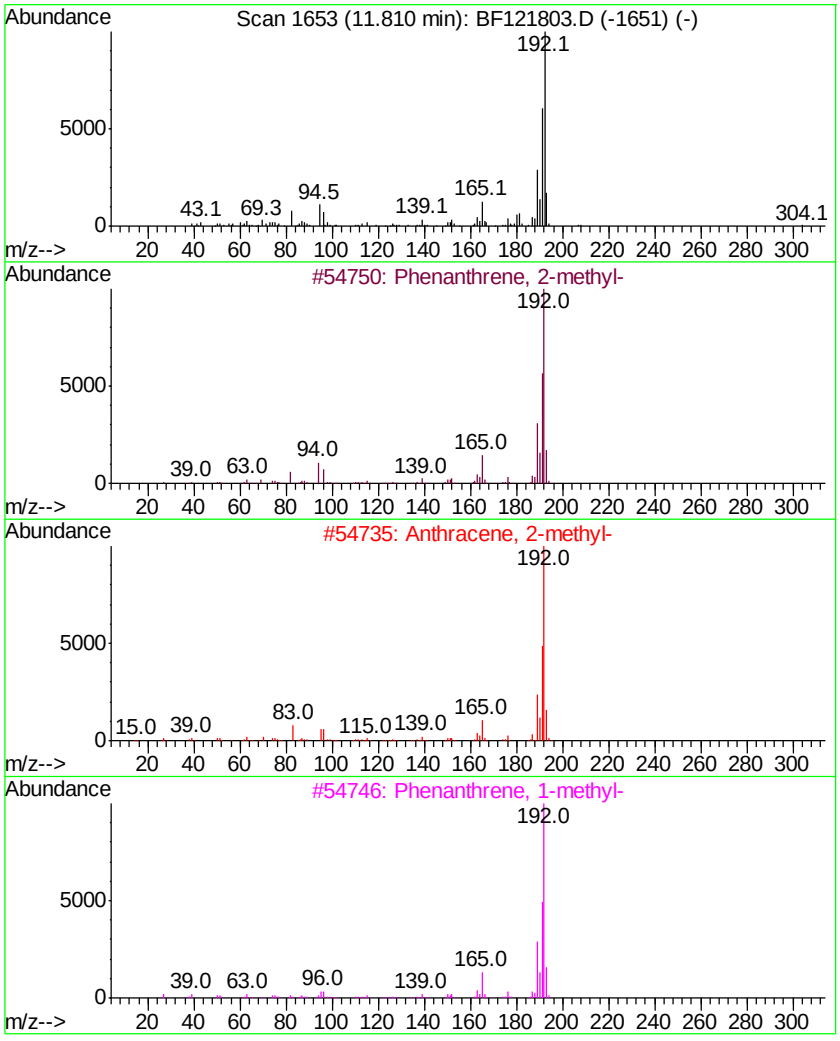
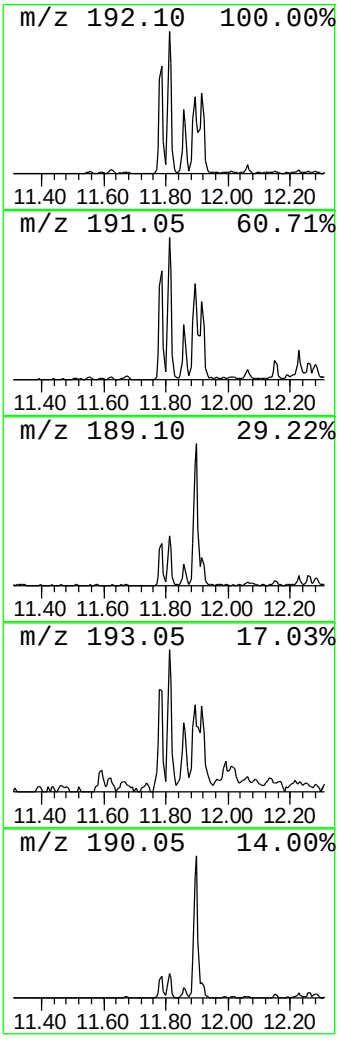
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	4.65 ng	203231	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
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Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

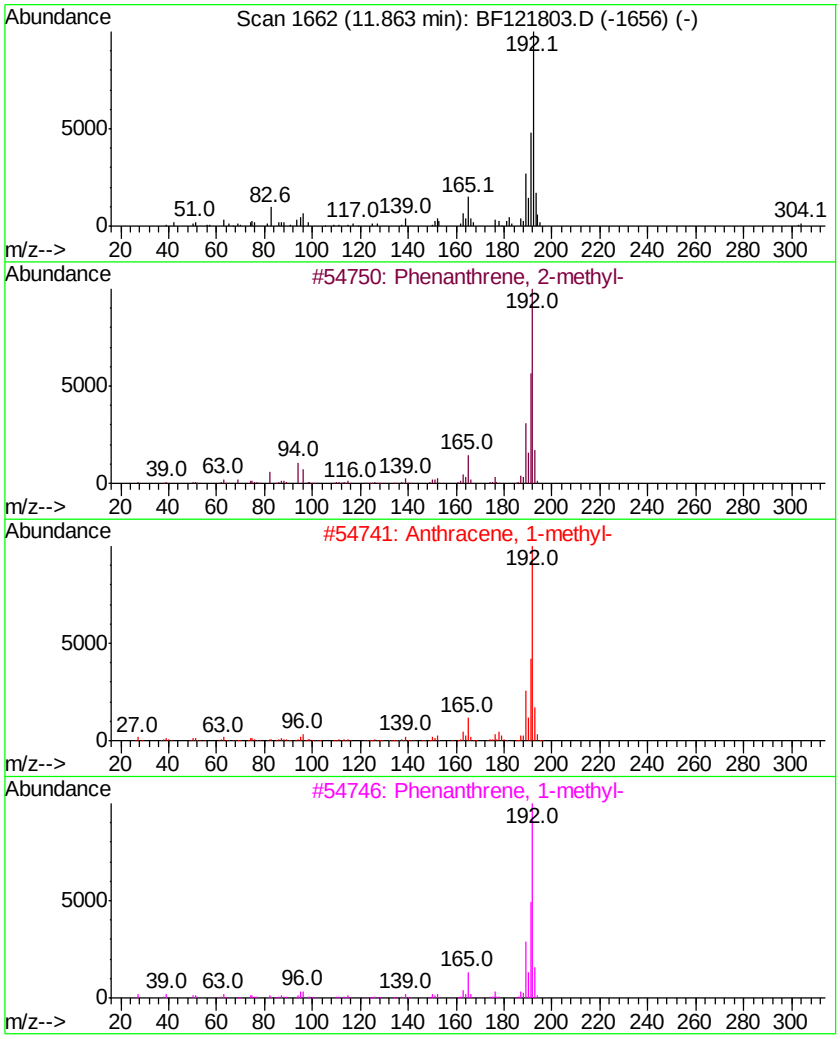
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

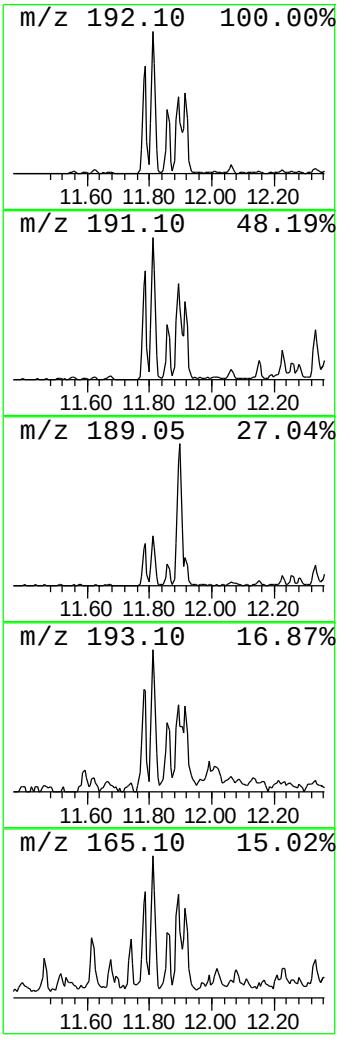
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.45 ng	106990	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Data File : BF121803.D
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Operator : JU/CG
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

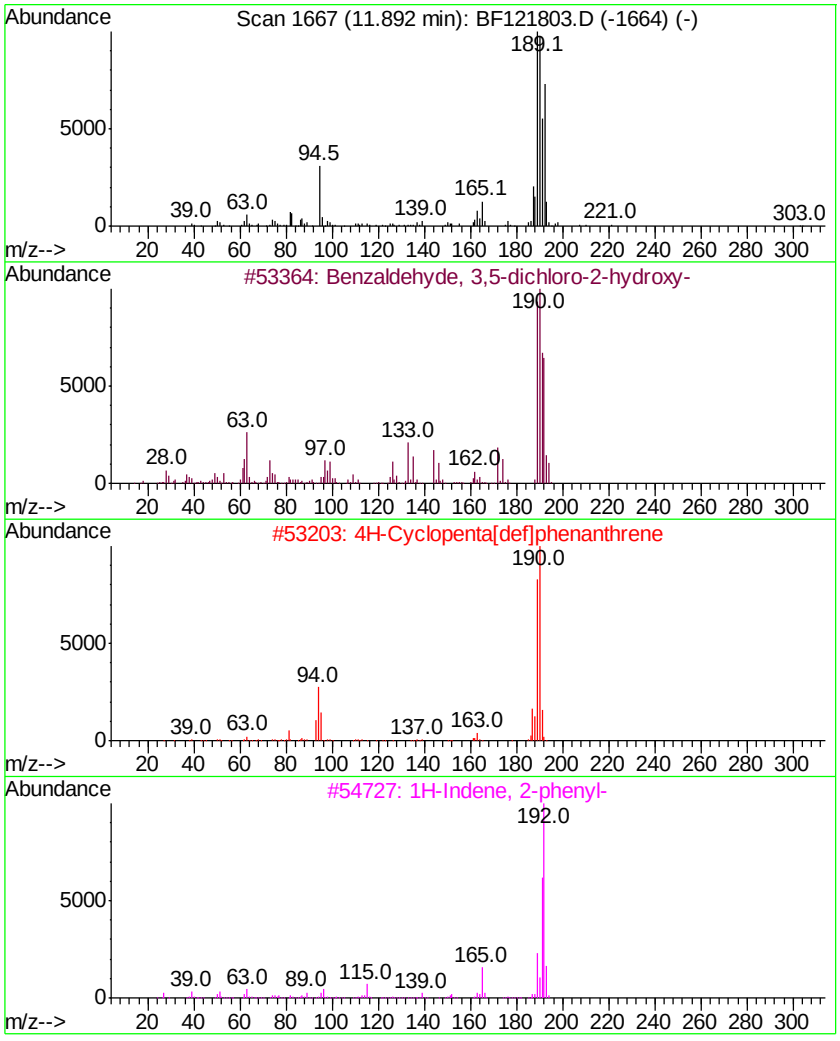
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

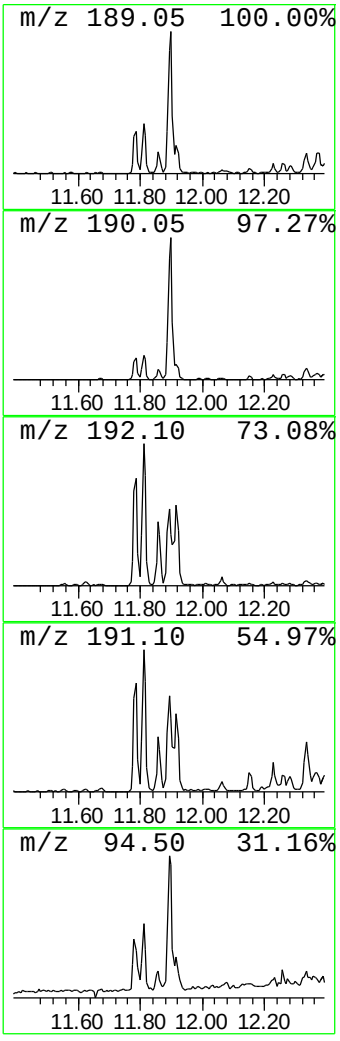
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.89 ng	300980	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35





Library Search Compound Report

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Data File : BF121803.D
Acq On : 2 Oct 2020 19:49
Operator : JU/CG
Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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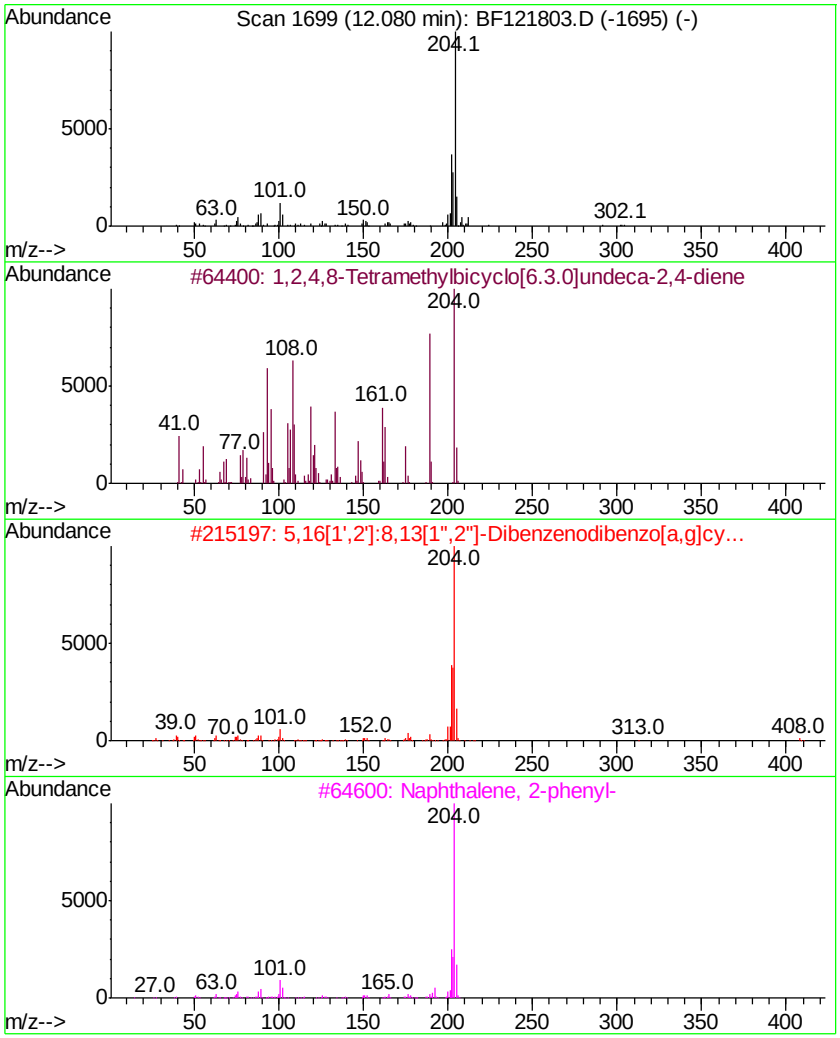
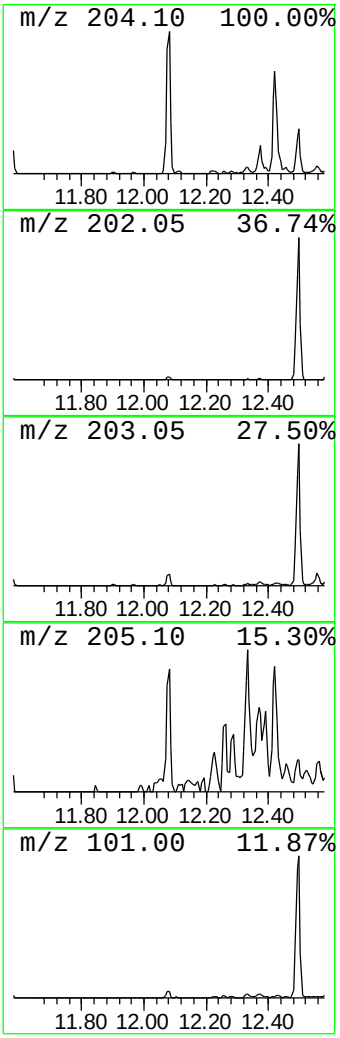
Peak Number 7 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.04 ng	89253	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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ClientSampleId : B-17(3-4)

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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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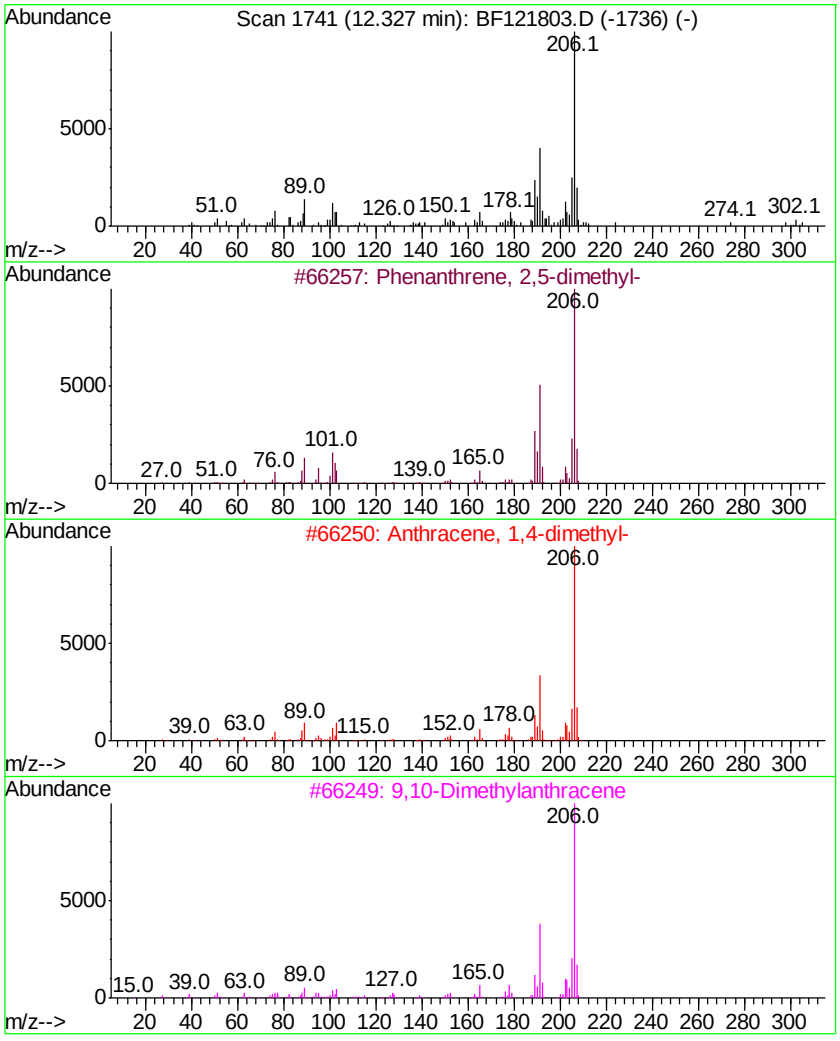
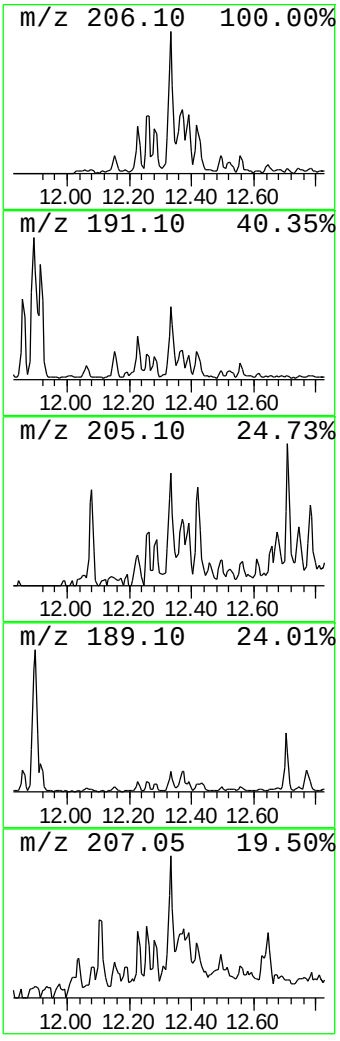
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.35 ng	146488	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Misc :
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ClientSampleId : B-17(3-4)

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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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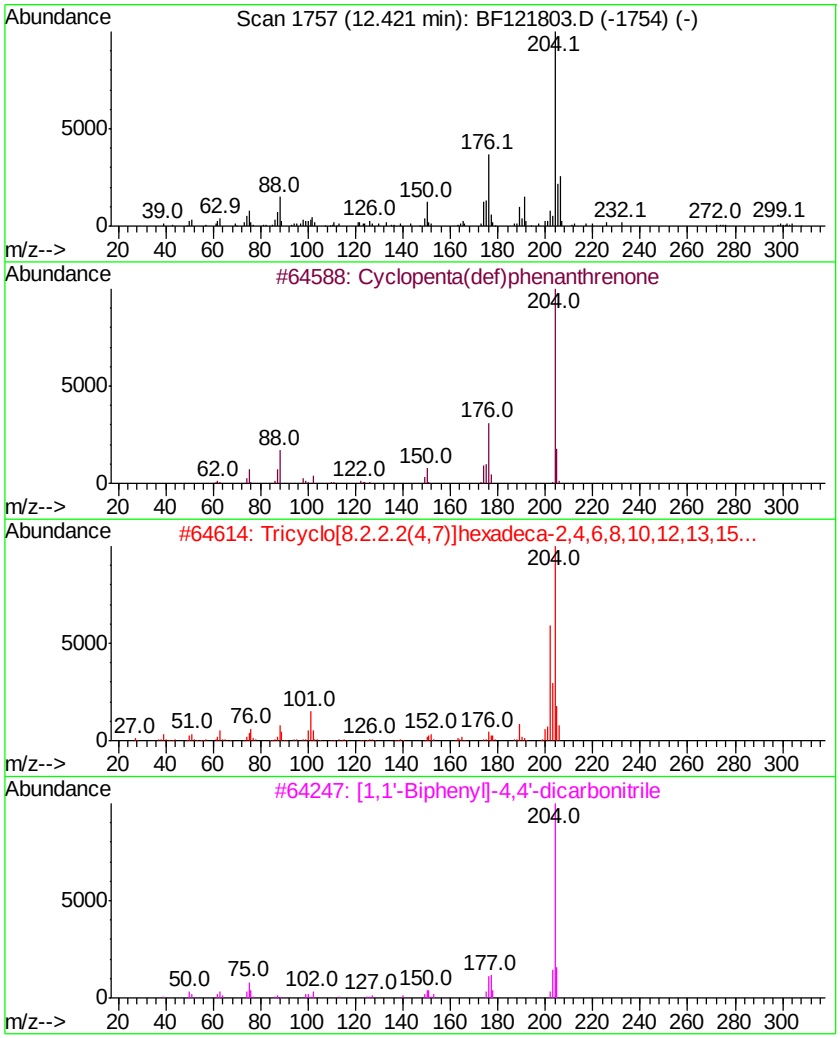
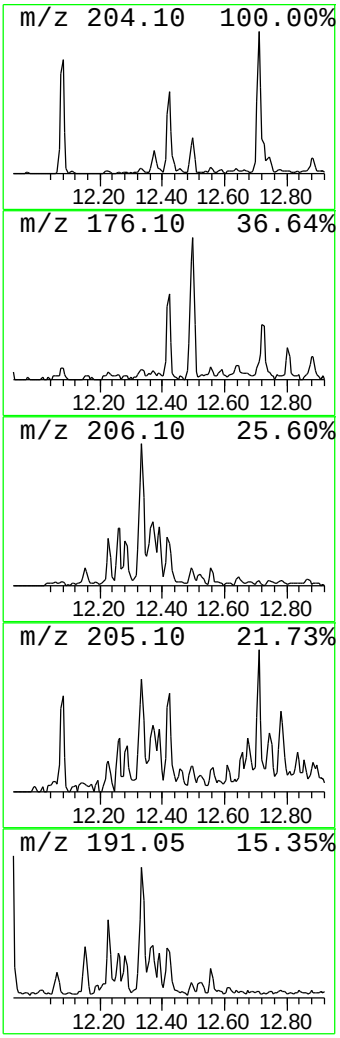
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.69 ng	117499	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Instrument : BNA_F
ClientSampleId : B-17(3-4)

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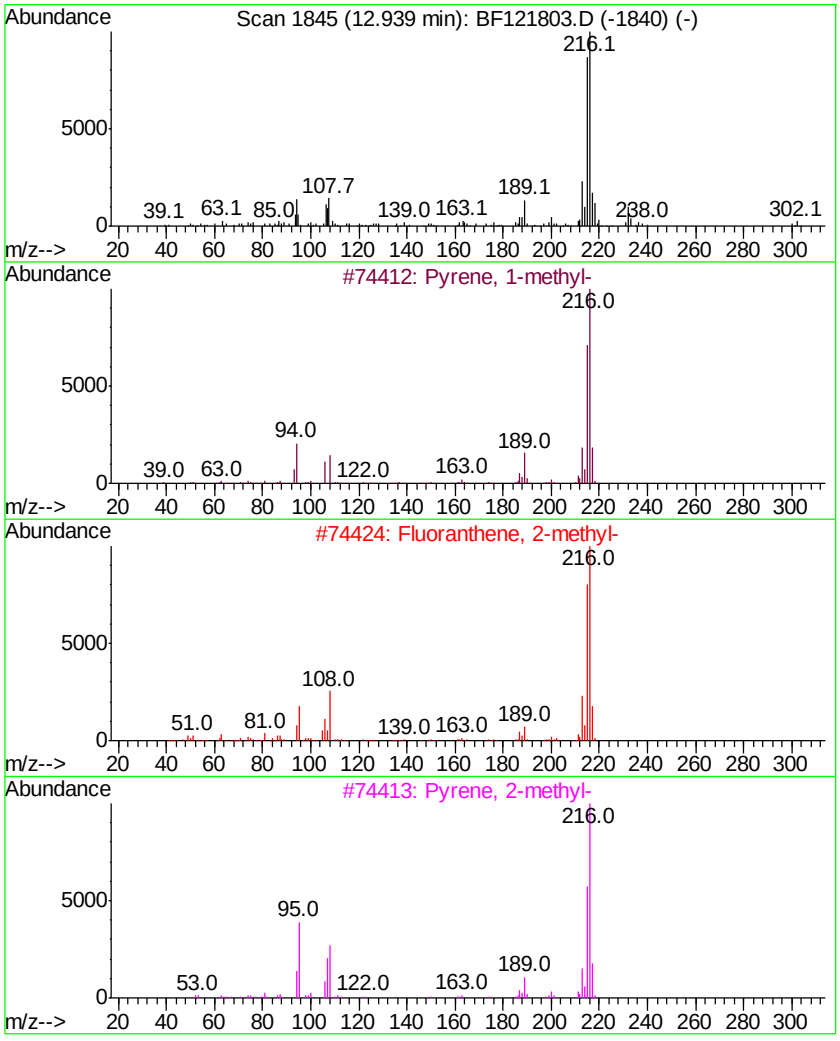
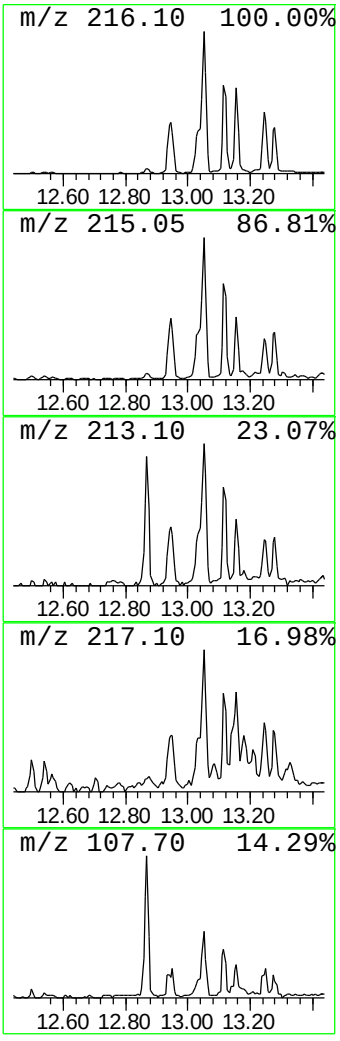
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.15 ng	190429	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : L4213-09
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ClientSampleId : B-17(3-4)

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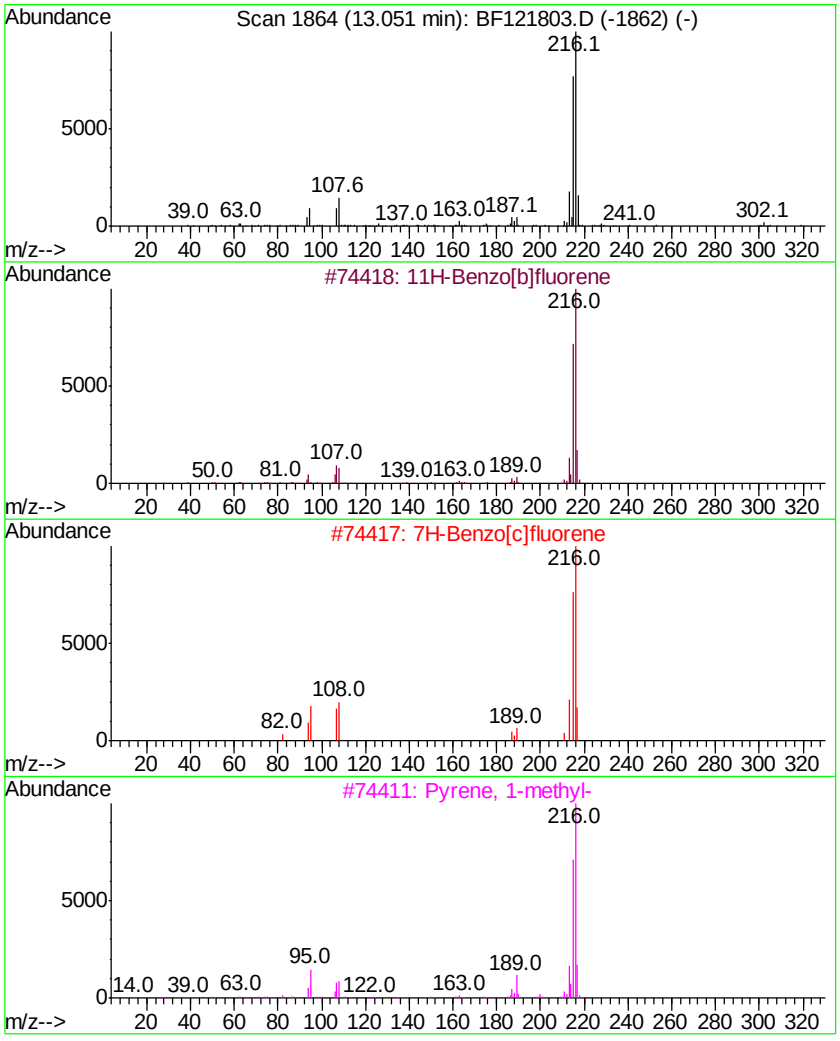
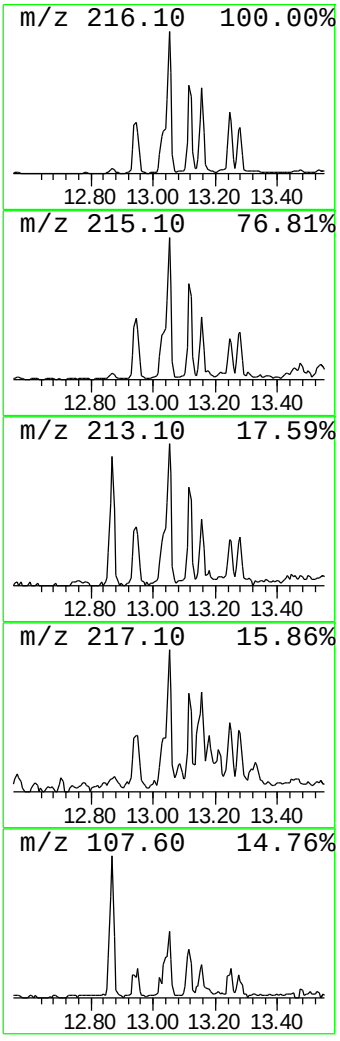
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.20 ng	194770	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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ClientSampleId : B-17(3-4)

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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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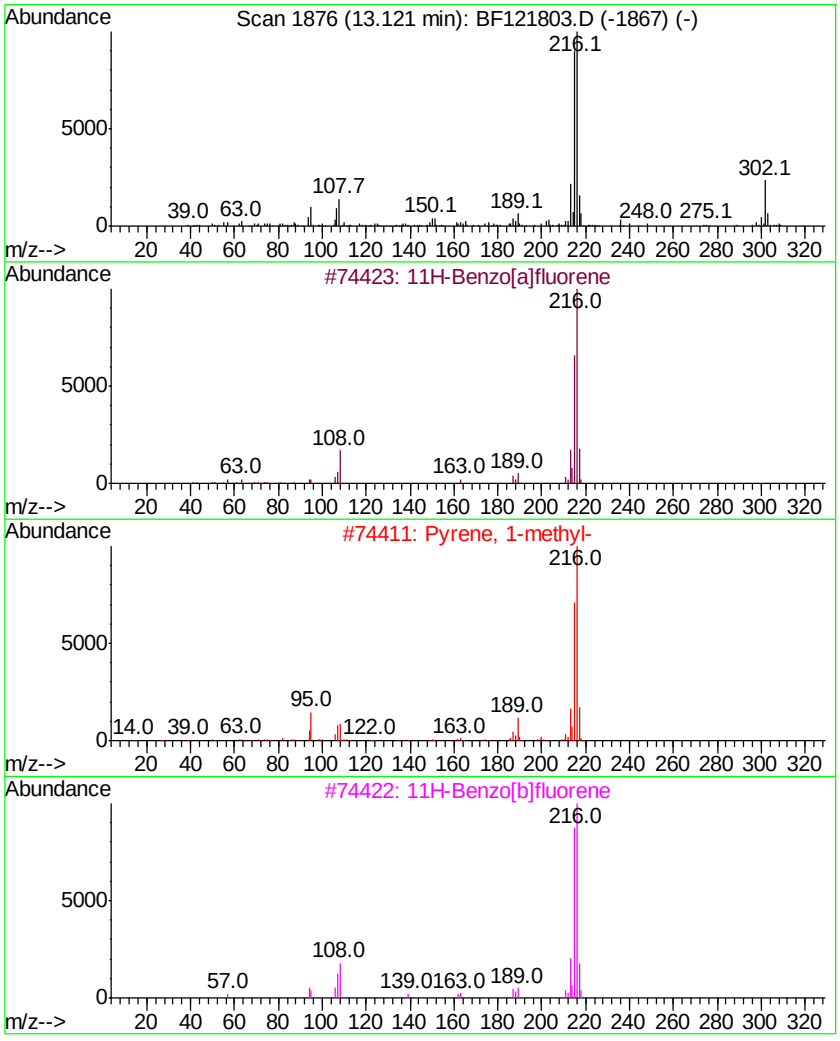
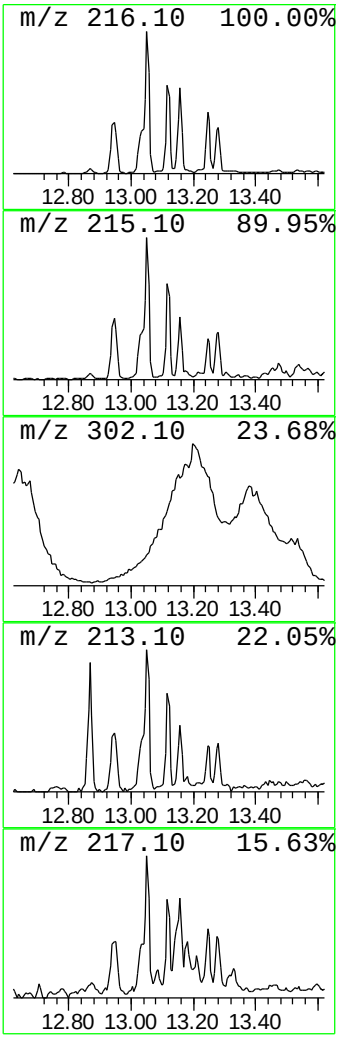
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.59 ng	317732	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Sample : L4213-09
Misc :
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Instrument : BNA_F
ClientSampleId : B-17(3-4)

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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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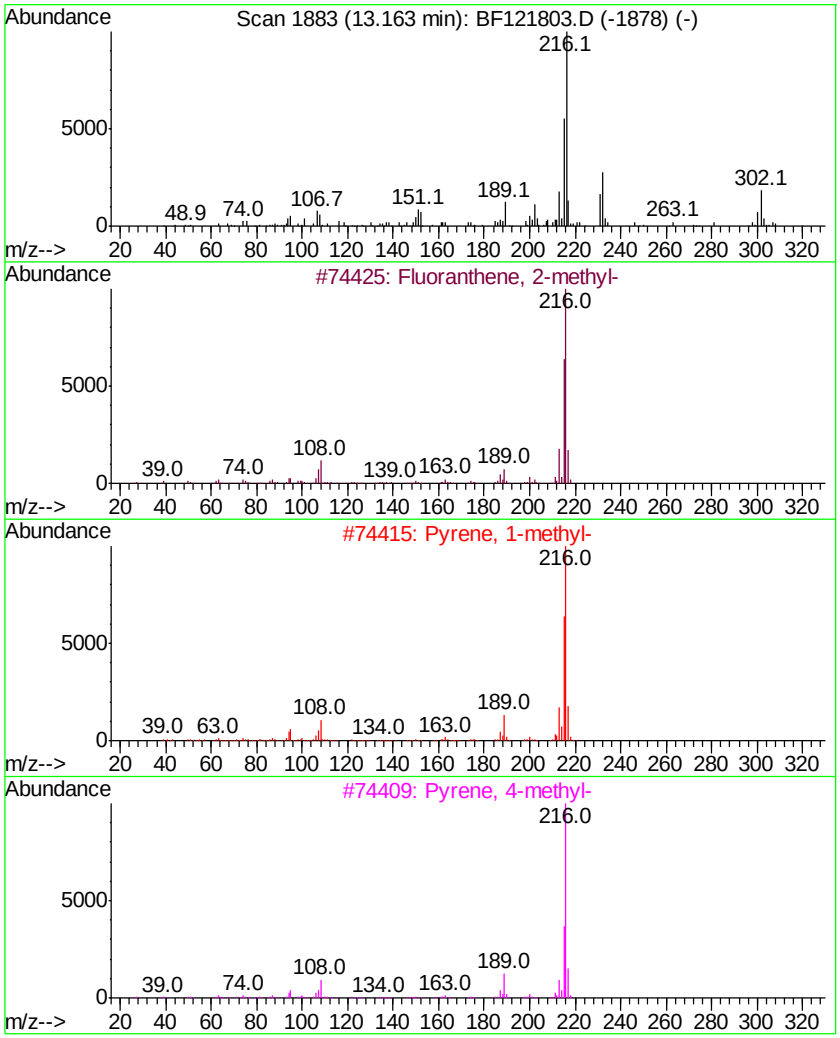
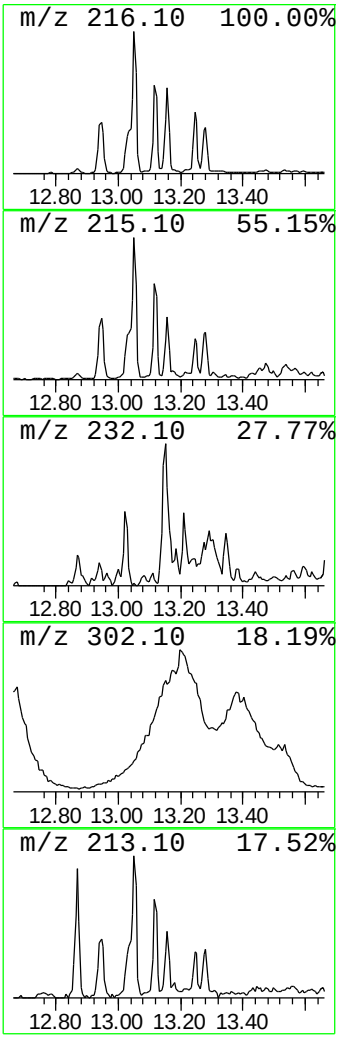
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.04 ng	180378	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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ClientSampleId : B-17(3-4)

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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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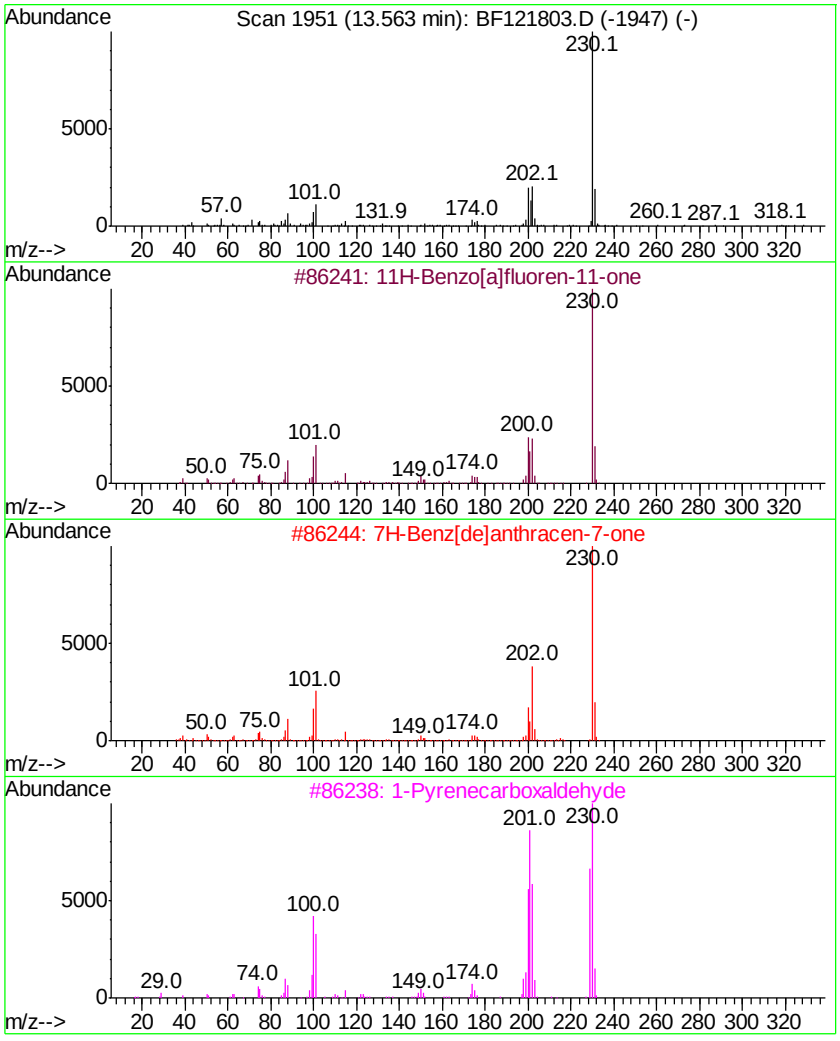
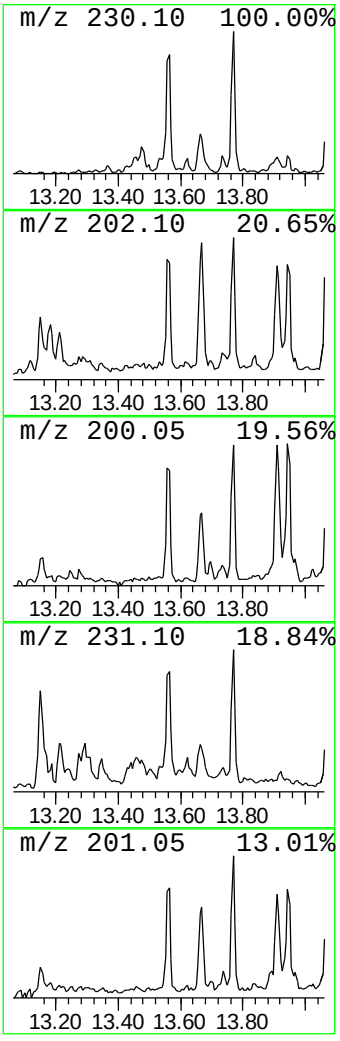
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.21 ng	195309	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	53





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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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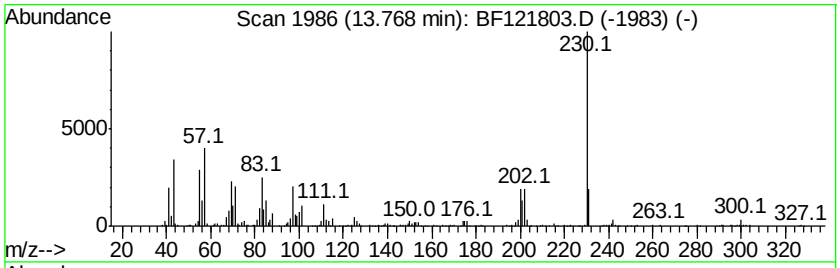
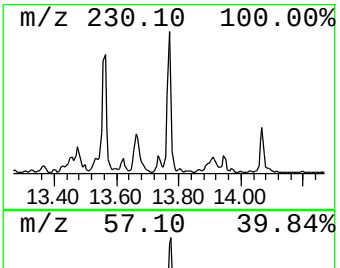
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	5.62 ng	496470	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	50
5	m-Terphenyl	230	C18H14	000092-06-8	47





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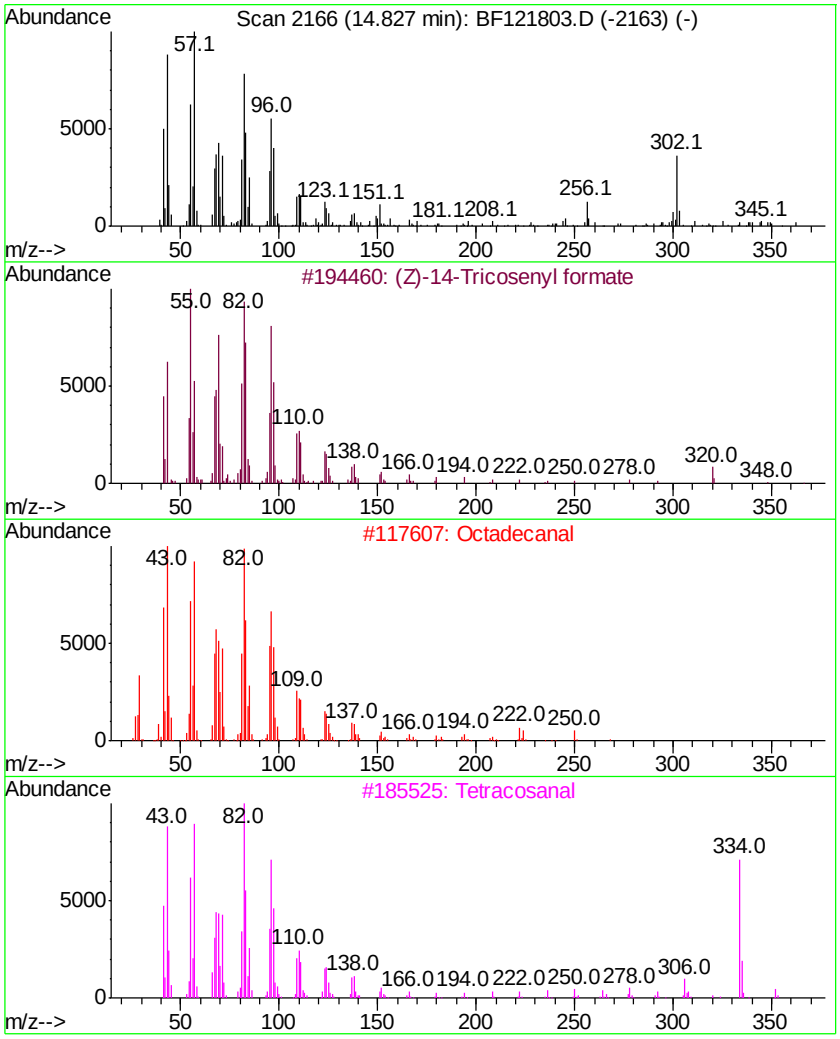
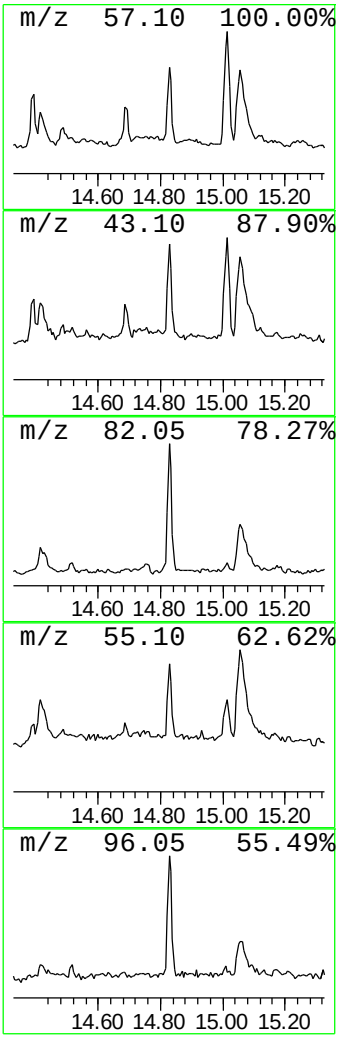
Peak Number 16 (Z)-14-Tricosenyl formate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	4.69 ng	169267	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	90
2	Octadecanal	268	C18H36O	000638-66-4	87
3	Tetracosanal	352	C24H48O	057866-08-7	83
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	83
5	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	80





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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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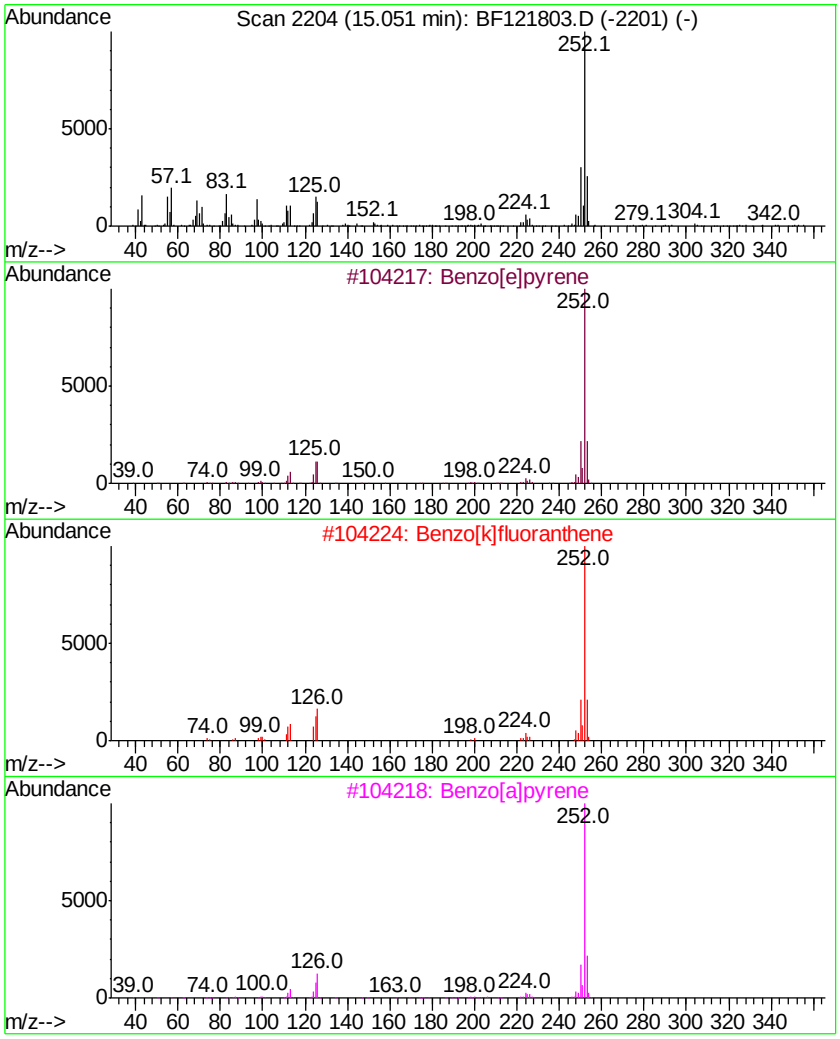
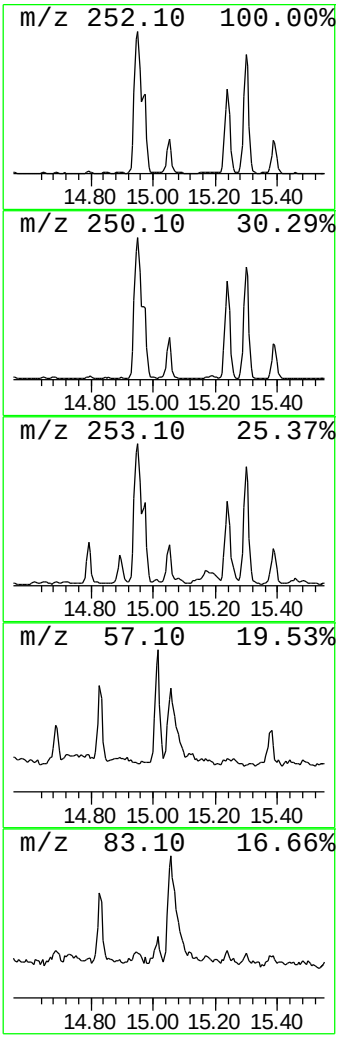
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	15.42 ng	556270	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	89





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Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

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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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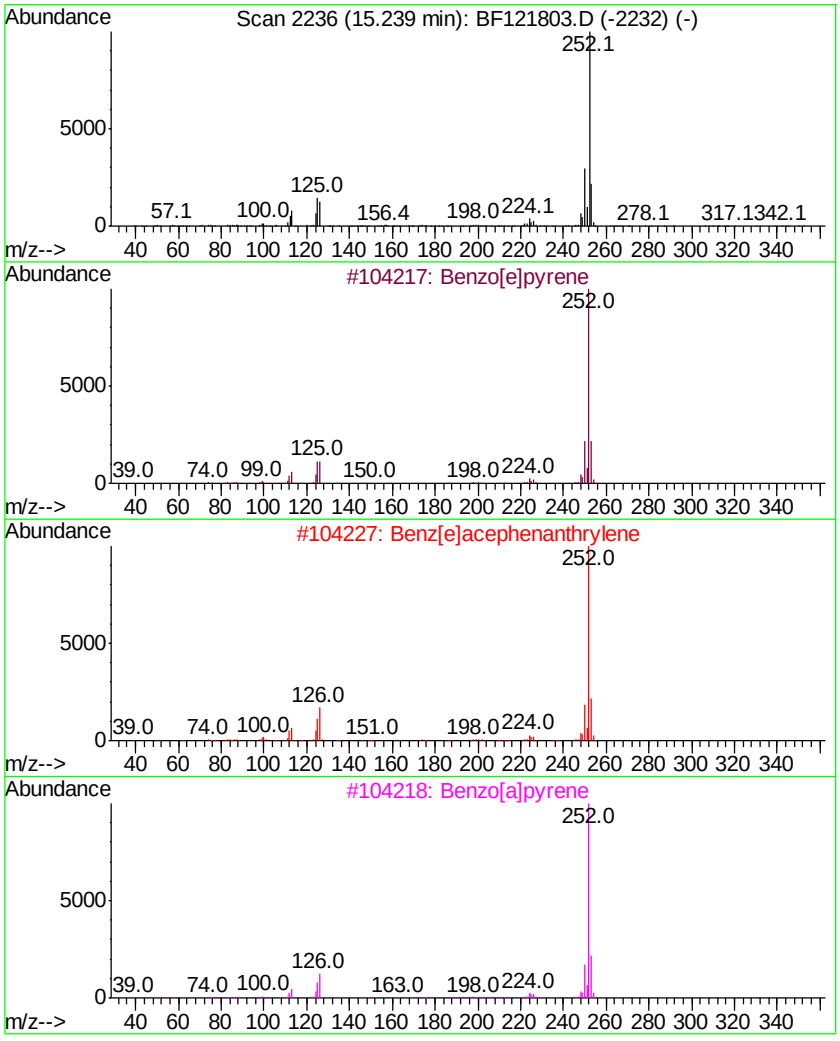
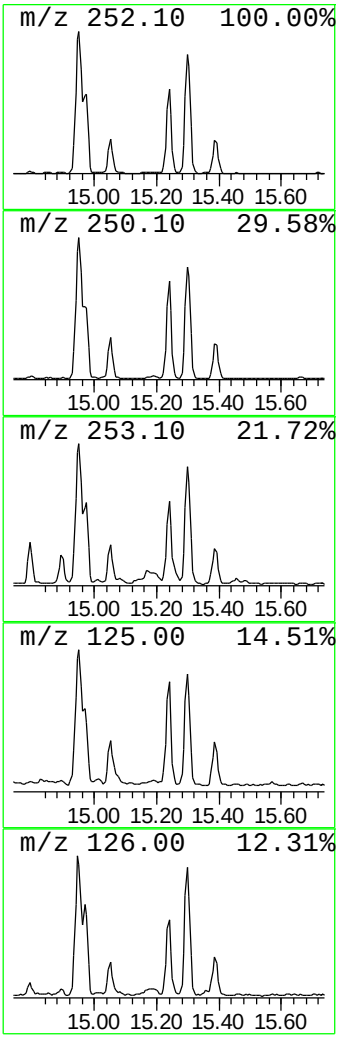
Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	14.14 ng	510070	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121803.D
Acq On : 2 Oct 2020 19:49
Operator : JU/CG
Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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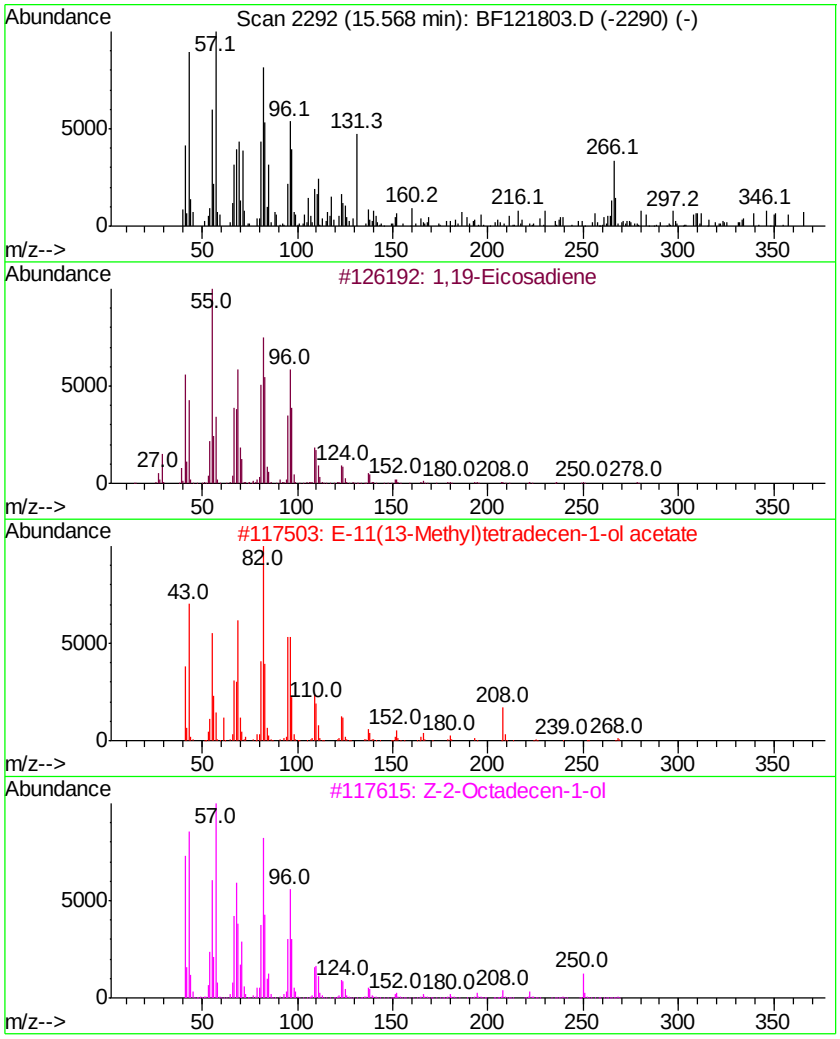
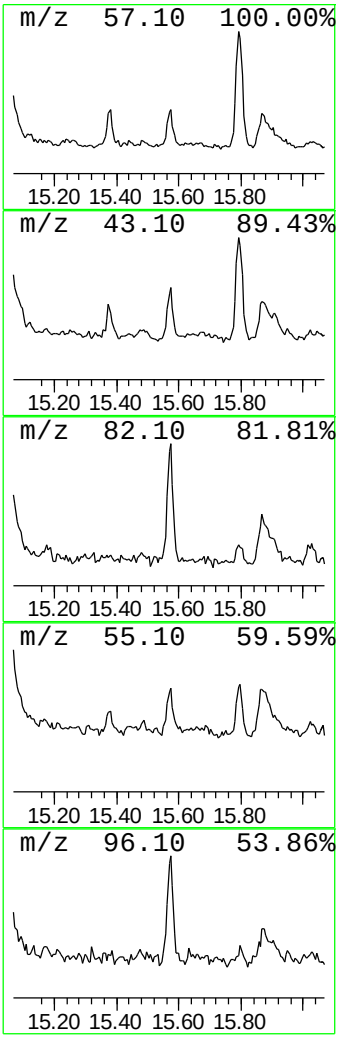
Peak Number 19 1,19-Eicosadiene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	4.14 ng	149171	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	90
2	E-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000130-80-4	64
3	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	64
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	60
5	Octadecanal	268	C18H36O	000638-66-4	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121803.D
Acq On : 2 Oct 2020 19:49
Operator : JU/CG
Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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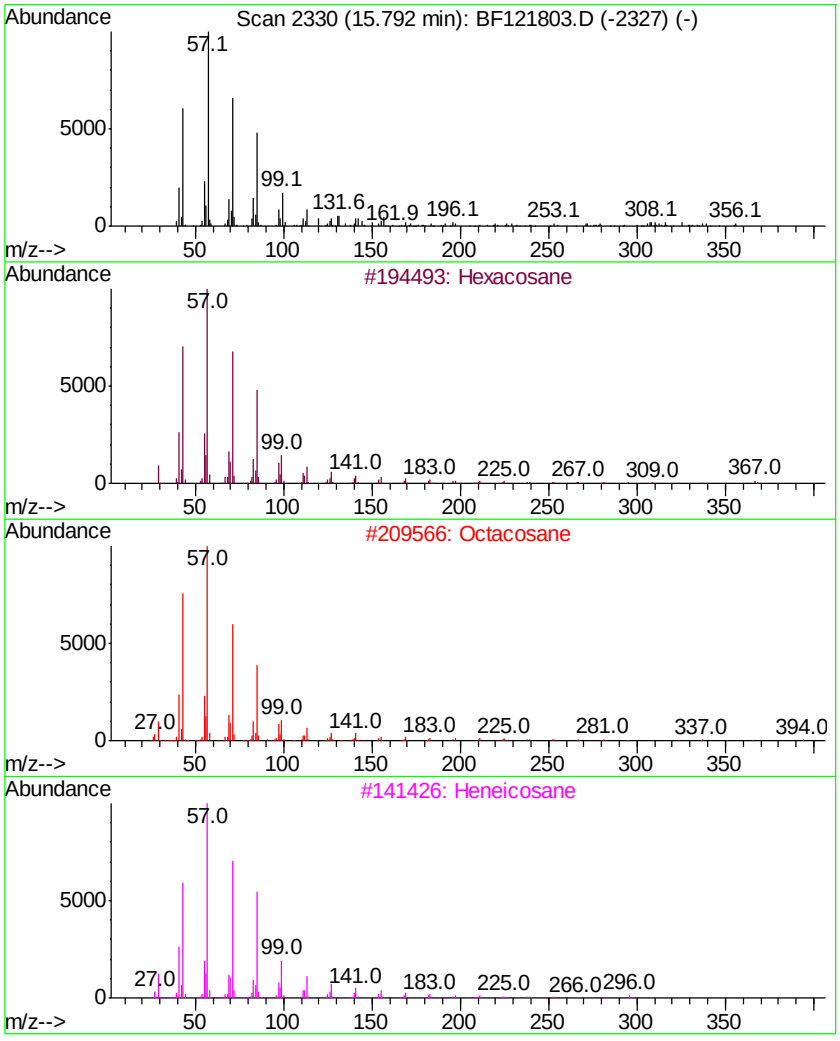
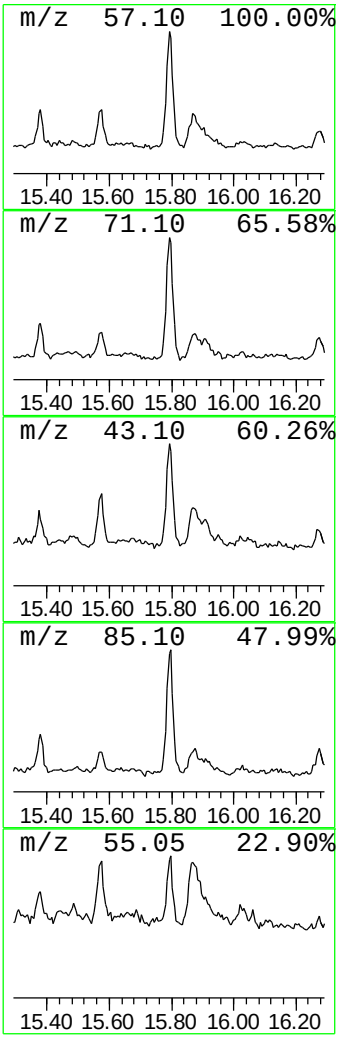
Peak Number 20 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	4.55 ng	163999	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	74
2	Octacosane	394	C28H58	000630-02-4	74
3	Heneicosane	296	C21H44	000629-94-7	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Docosane	310	C22H46	000629-97-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100220\
Data File : BF121803.D
Acq On : 2 Oct 2020 19:49
Operator : JU/CG
Sample : L4213-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-17(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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...	4.99	2.3	ng	91100	1	6.76	810189	20.0
Ethanol, 2-(2-eth...	6.60	2.0	ng	81252	1	6.76	810189	20.0
Phenanthrene, 2-m...	11.79	3.7	ng	160868	4	11.28	873300	20.0
Anthracene, 2-met...	11.81	4.7	ng	203231	4	11.28	873300	20.0
Anthracene, 1-met...	11.86	2.5	ng	106990	4	11.28	873300	20.0
Benzaldehyde, 3,5...	11.89	6.9	ng	300980	4	11.28	873300	20.0
1,2,4,8-Tetrameth...	12.08	2.0	ng	89253	4	11.28	873300	20.0
Phenanthrene, 2,5...	12.33	3.4	ng	146488	4	11.28	873300	20.0
Cyclopenta(def)ph...	12.42	2.7	ng	117499	4	11.28	873300	20.0
Pyrene, 1-methyl-	12.94	2.1	ng	190429	5	13.92	1767830	20.0
11H-Benzo[b]fluorene	13.05	2.2	ng	194770	5	13.92	1767830	20.0
11H-Benzo[a]fluorene	13.12	3.6	ng	317732	5	13.92	1767830	20.0
Fluoranthene, 2-m...	13.16	2.0	ng	180378	5	13.92	1767830	20.0
11H-Benzo[a]fluor...	13.56	2.2	ng	195309	5	13.92	1767830	20.0
7H-Benz[de]anthra...	13.77	5.6	ng	496470	5	13.92	1767830	20.0
(Z)-14-Tricosenyl...	14.83	4.7	ng	169267	6	15.36	721424	20.0
Benzo[e]pyrene	15.05	15.4	ng	556270	6	15.36	721424	20.0
Perylene	15.24	14.1	ng	510070	6	15.36	721424	20.0
1,19-Eicosadiene	15.57	4.1	ng	149171	6	15.36	721424	20.0
Hexacosane	15.79	4.5	ng	163999	6	15.36	721424	20.0