LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108480.D
Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

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-BF080818.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	4.778	410	415	422	rVB	223109	231668	9.94%	0.670%
2	5.243	490	494	501	rBV	99550	111665	4.79%	0.323%
3	5.625	555	559	571	rVB	2215046	2121657	91.02%	6.136%
4	6.237	659	663	665	rBV	38596	38076	1.63%	0.110%
5	6.619	723	728	736	rBV	2325813	2330872	100.00%	6.741%
6	6.766	749	753	757	rBV	2438342	2285712	98.06%	6.610%
7	6.995	788	792	796	rBV	888502	782467	33.57%	2.263%
8	7.154	815	819	822	rBV	2027557	1702252	73.03%	4.923%
9	7.560	883	888	891	rBV	1698383	1498661	64.30%	4.334%
10	8.284	1006	1011	1014	rBV	1063136	992393	42.58%	2.870%
11	9.095	1145	1149	1154	rVB	46387	40417	1.73%	0.117%
12	9.354	1188	1193	1196	rBV	2754633	2321559	99.60%	6.714%
13	9.454	1207	1210	1215	rVB	43536	41419	1.78%	0.120%
14	9.695	1246	1251	1254	rBV2	25439	29018	1.24%	0.084%
15	9.748	1256	1260	1267	rVB	938286	799475	34.30%	2.312%
16	10.042	1306	1310	1313	rBV2	1277689	1079012	46.29%	3.120%
17	10.072	1313	1315	1320	rVB	122115	109677	4.71%	0.317%
18	10.178	1331	1333	1335	rBV2	31427	29510	1.27%	0.085%
19	10.248	1339	1345	1348	rVB2	57822	73703	3.16%	0.213%
20	10.448	1371	1379	1384	rBV4	38562	54320	2.33%	0.157%
21	10.589	1400	1403	1408	rVB	147743	136840	5.87%	0.396%
22	10.672	1416	1417	1420	rVB2	43079	32427	1.39%	0.094%
23	10.748	1428	1430	1435	rVB2	31954	31594	1.36%	0.091%
24	10.836	1441	1445	1458	rBV	1735439	1658010	71.13%	4.795%
25	10.925	1458	1460	1466	rBV4	24295	42984	1.84%	0.124%
26	11.142	1490	1497	1499	rBV	48294	70811	3.04%	0.205%
27	11.172	1499	1502	1505	rVV3	68294	68480	2.94%	0.198%
28	11.225	1508	1511	1514	rVB2	37529	33573	1.44%	0.097%
29	11.266	1514	1518	1520	rBV3	20185	34296	1.47%	0.099%
30	11.377	1534	1537	1539	rBV2	46650	46959	2.01%	0.136%
31	11.430	1544	1546	1550	rVB	60439	54717	2.35%	0.158%
32	11.536	1560	1564	1566	rBV	1259984	1069387	45.88%	3.093%
33	11.560	1566	1568	1572	rVV	999236	811605	34.82%	2.347%
34	11.613	1574	1577	1580	rBV	253080	191362	8.21%	0.553%

LSC Area Percent Report

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Sample : J4581-18
Misc :
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Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.766	1600	1603	1607	rBV	68763	87164	3.74%	0.252%
36	11.801	1607	1609	1612	rVB	42460	37268	1.60%	0.108%
37	11.866	1618	1620	1625	rVB	39226	40010	1.72%	0.116%
38	12.042	1646	1650	1652	rBV2	347733	329082	14.12%	0.952%
39	12.066	1652	1654	1659	rVV	229603	215222	9.23%	0.622%
40	12.113	1659	1662	1665	rVV	84163	87931	3.77%	0.254%
41	12.154	1665	1669	1671	rVV2	282321	317922	13.64%	0.919%
42	12.177	1671	1673	1676	rVB	128358	109887	4.71%	0.318%
43	12.213	1676	1679	1682	rBV2	31519	34492	1.48%	0.100%
44	12.330	1696	1699	1702	rBV	99641	97537	4.18%	0.282%
45	12.366	1702	1705	1710	rVB4	47470	56927	2.44%	0.165%
46	12.483	1720	1725	1728	rBV3	56109	64747	2.78%	0.187%
47	12.589	1740	1743	1746	rBV2	129436	170802	7.33%	0.494%
48	12.630	1746	1750	1755	rVV2	119560	234603	10.07%	0.678%
49	12.677	1755	1758	1767	rVB4	81263	149384	6.41%	0.432%
50	12.754	1768	1771	1775	rVV	885078	821508	35.24%	2.376%
51	12.795	1775	1778	1780	rVV3	34555	37195	1.60%	0.108%
52	12.819	1780	1782	1785	rVV3	43347	45461	1.95%	0.131%
53	12.883	1789	1793	1795	rVV4	22229	33146	1.42%	0.096%
54	12.913	1795	1798	1804	rVB4	48895	89270	3.83%	0.258%
55	12.989	1804	1811	1816	rBV	975157	1035718	44.43%	2.995%
56	13.036	1816	1819	1823	rVB2	55550	62919	2.70%	0.182%
57	13.119	1829	1833	1837	rBV	1932939	1799552	77.21%	5.204%
58	13.207	1843	1848	1851	rBV2	78377	124407	5.34%	0.360%
59	13.313	1859	1866	1872	rVB2	157593	275899	11.84%	0.798%
60	13.377	1874	1877	1880	rVV	109034	117341	5.03%	0.339%
61	13.419	1881	1884	1887	rVB2	102877	104746	4.49%	0.303%
62	13.513	1897	1900	1903	rBV	90090	88020	3.78%	0.255%
63	13.548	1903	1906	1908	rVV	93490	88426	3.79%	0.256%
64	13.671	1923	1927	1929	rBV2	96439	103674	4.45%	0.300%
65	13.942	1970	1973	1975	rVB	35842	31671	1.36%	0.092%
66	13.966	1975	1977	1979	rBV	64614	51468	2.21%	0.149%
67	14.001	1979	1983	1986	rVB3	118683	123918	5.32%	0.358%
68	14.189	2010	2015	2018	rBV2	909686	1134723	48.68%	3.281%
69	14.213	2018	2019	2027	rVB	336130	299032	12.83%	0.865%
70	14.301	2031	2034	2035	rBV	61311	62071	2.66%	0.180%
71	14.318	2035	2037	2040	rVB	111700	84173	3.61%	0.243%

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Misc :
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Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.536	2072	2074	2076	rBV	31966	31951	1.37%	0.092%
73	14.577	2076	2081	2084	rVV	99508	115364	4.95%	0.334%
74	14.624	2084	2089	2092	rVV2	120367	146042	6.27%	0.422%
75	14.707	2100	2103	2105	rBV	44747	46451	1.99%	0.134%
76	14.730	2105	2107	2111	rVB2	56411	55287	2.37%	0.160%
77	14.942	2139	2143	2148	rVB2	321352	407791	17.50%	1.179%
78	15.036	2154	2159	2163	rVB	501209	555113	23.82%	1.605%
79	15.101	2168	2170	2178	rVB4	34976	48333	2.07%	0.140%
80	15.277	2195	2200	2203	rBV	296569	490369	21.04%	1.418%
81	15.307	2203	2205	2216	rVB2	252235	328928	14.11%	0.951%
82	15.395	2216	2220	2224	rBV	65603	84766	3.64%	0.245%
83	15.607	2251	2256	2263	rVB	213784	315636	13.54%	0.913%
84	15.677	2263	2268	2272	rBV	303985	416187	17.86%	1.204%
85	15.742	2272	2279	2283	rVV	567275	915548	39.28%	2.648%
86	15.777	2283	2285	2291	rVB2	87923	120384	5.16%	0.348%
87	16.189	2351	2355	2364	rVB2	83381	159968	6.86%	0.463%
88	16.354	2380	2383	2388	rVB3	23187	34157	1.47%	0.099%
89	16.742	2445	2449	2454	rVB	43458	67980	2.92%	0.197%
90	17.348	2545	2552	2565	rBV2	128990	310638	13.33%	0.898%
91	17.536	2581	2584	2589	rVB2	20186	32178	1.38%	0.093%
92	17.606	2592	2596	2600	rVB4	20918	37611	1.61%	0.109%
93	17.836	2628	2635	2645	rVB	96451	216051	9.27%	0.625%
94	18.106	2676	2681	2684	rBV3	19495	39262	1.68%	0.114%

Sum of corrected areas: 34579889

LSC Report - Integrated Chromatogram

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Data File : BF108480.D
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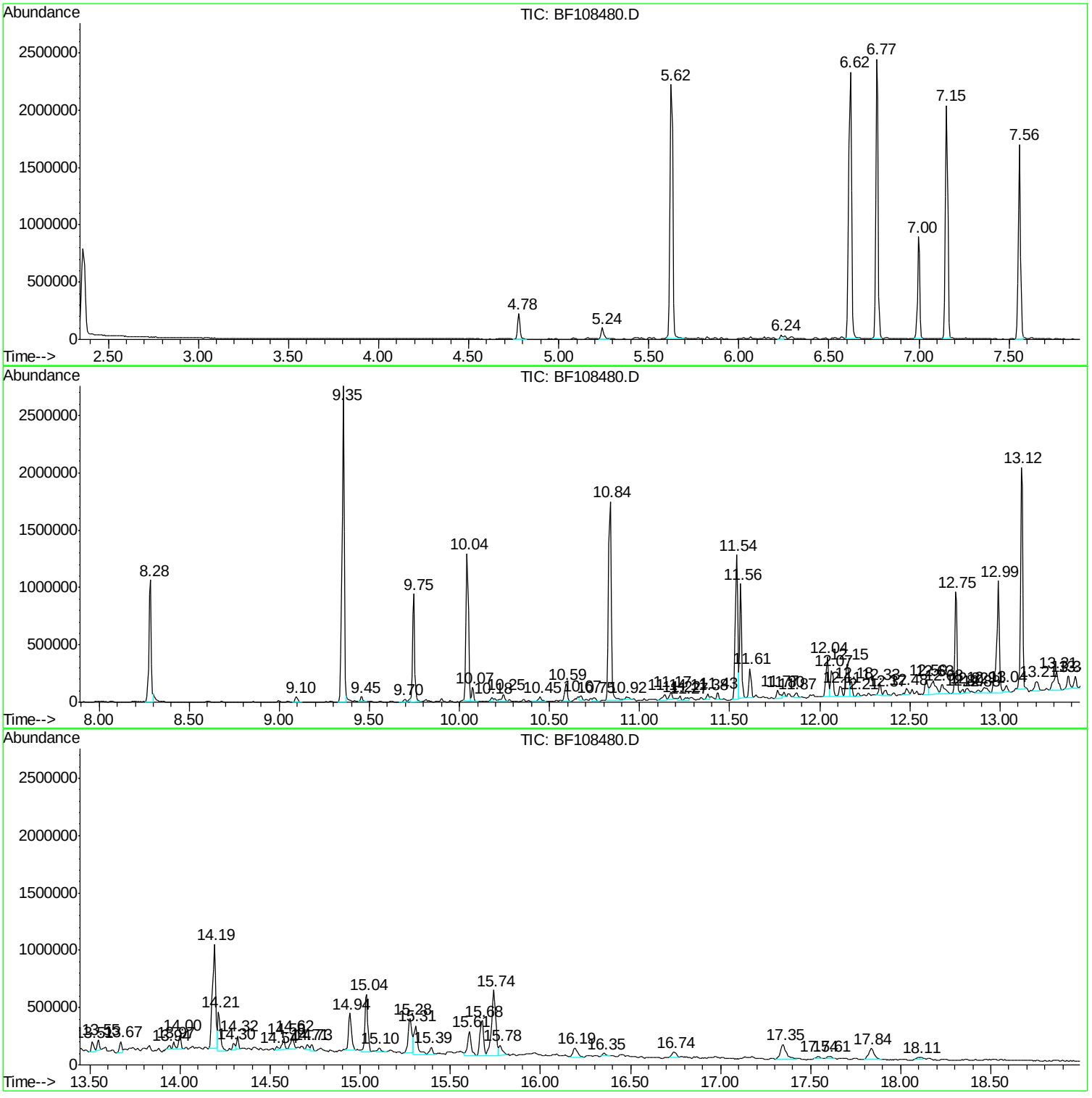
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

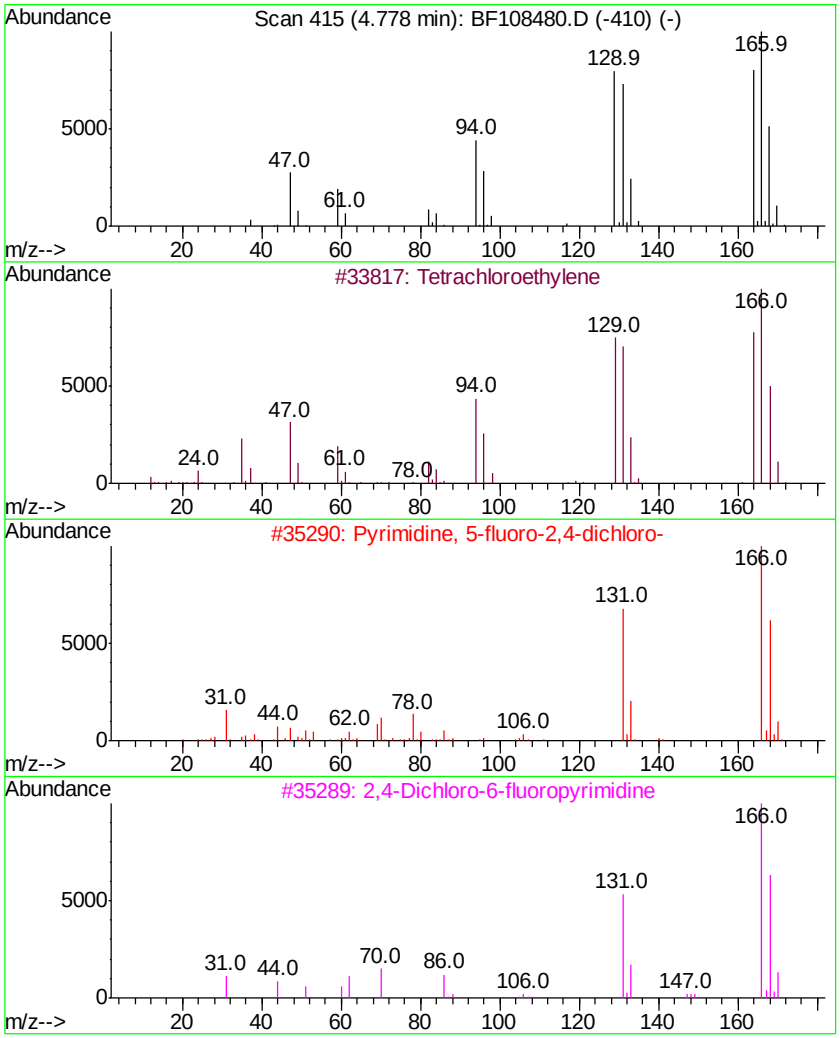
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

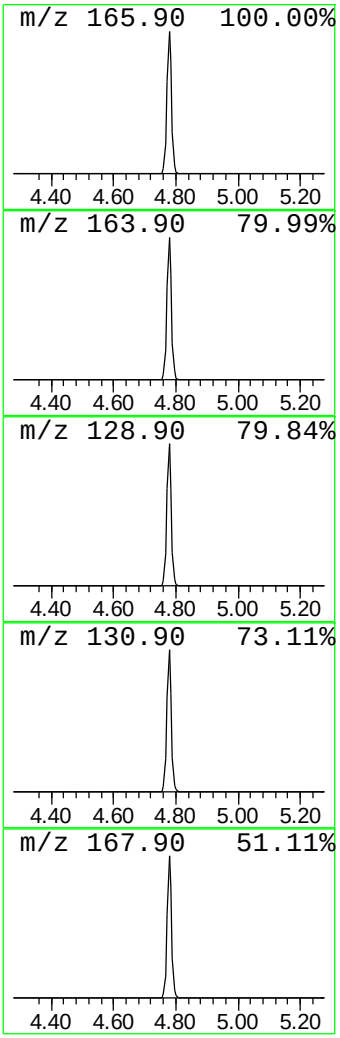
****

Peak Number 1 Tetrachloroethylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	5.92 ng	231668	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
2	Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	35
3	2,4-Dichloro-6-fluoropyrimidine	166	C4HCl2FN2	003833-57-6	27
4	2-Chloroquinoxaline	164	C8H5ClN2	001448-87-9	12
5	4-Chloro-1,5-naphthyridine	164	C8H5ClN2	007689-63-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
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Acq On : 24 Aug 2018 22:57
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Misc :
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Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

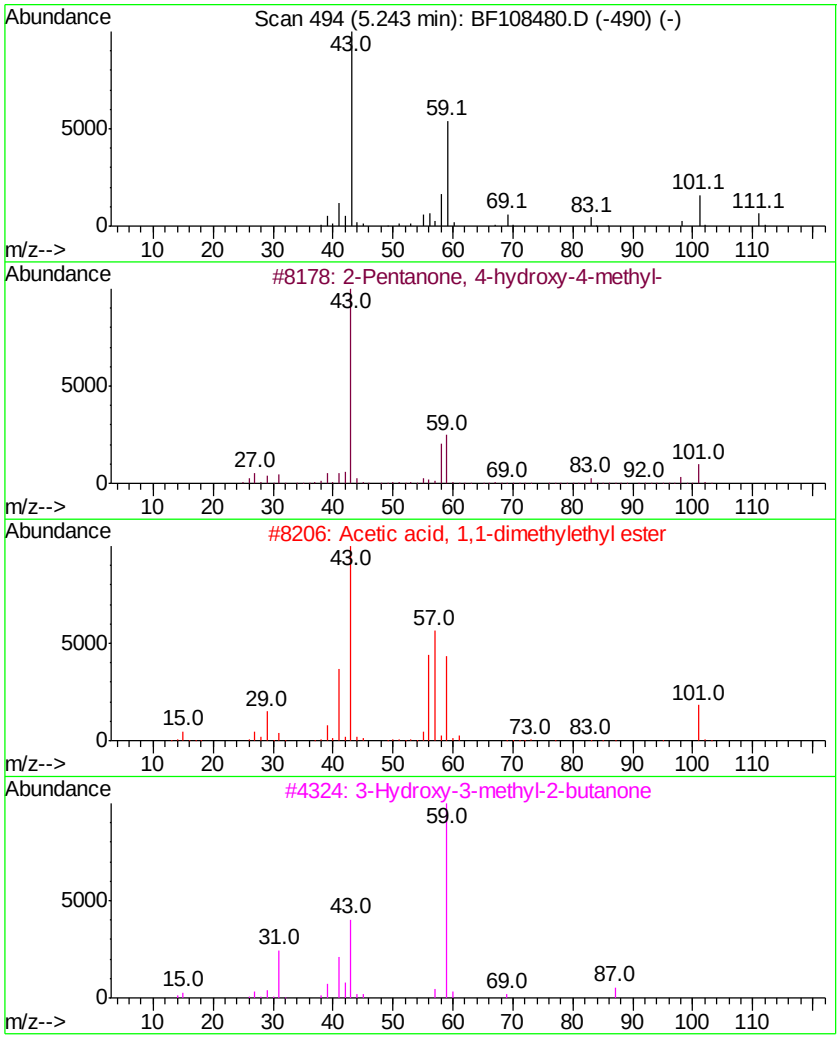
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

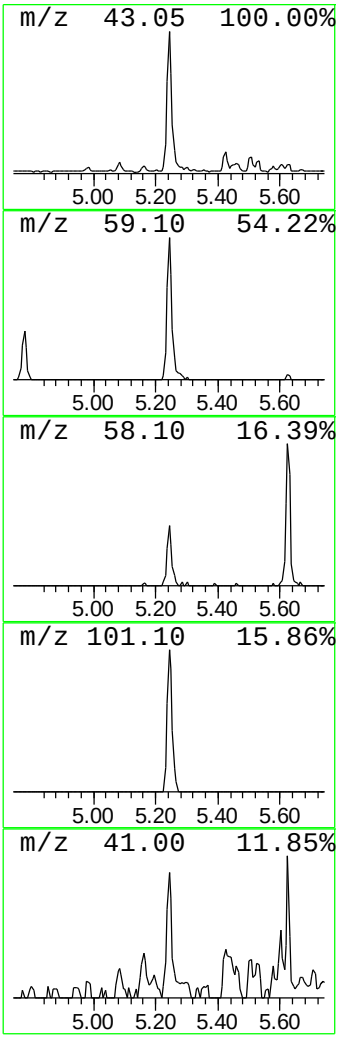
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	2.85 ng	111665	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	35
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Diacetamide	101	C4H7NO2	000625-77-4	33





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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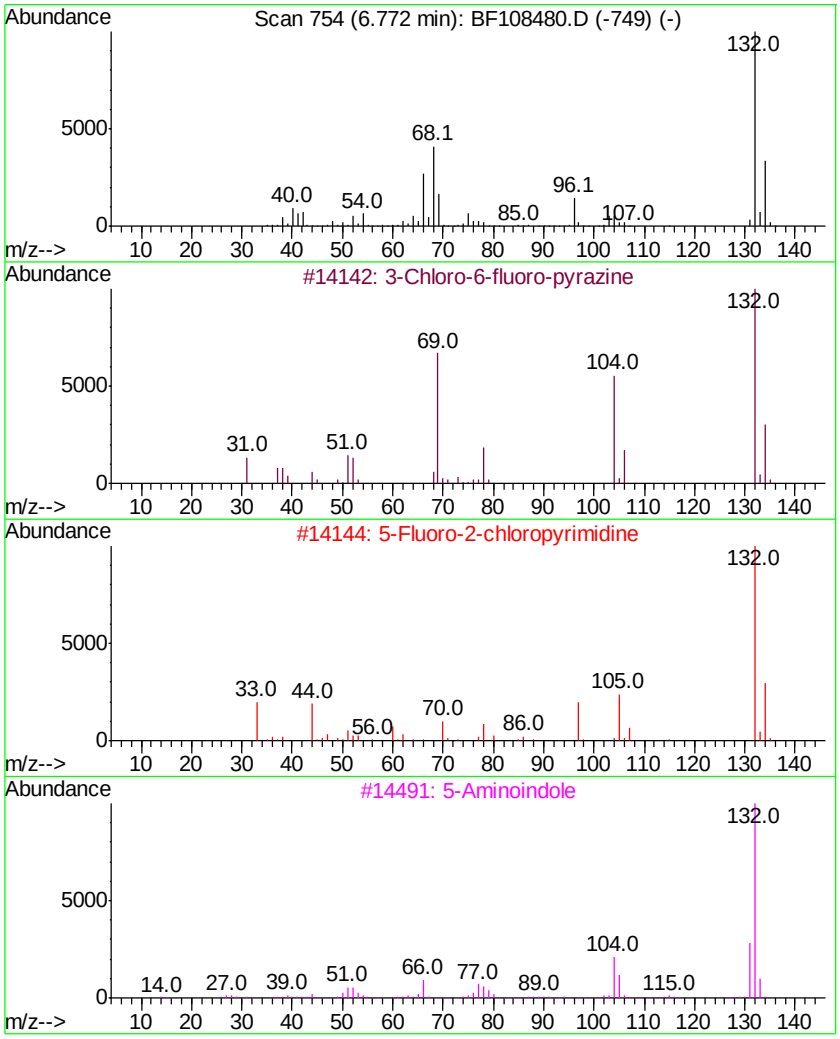
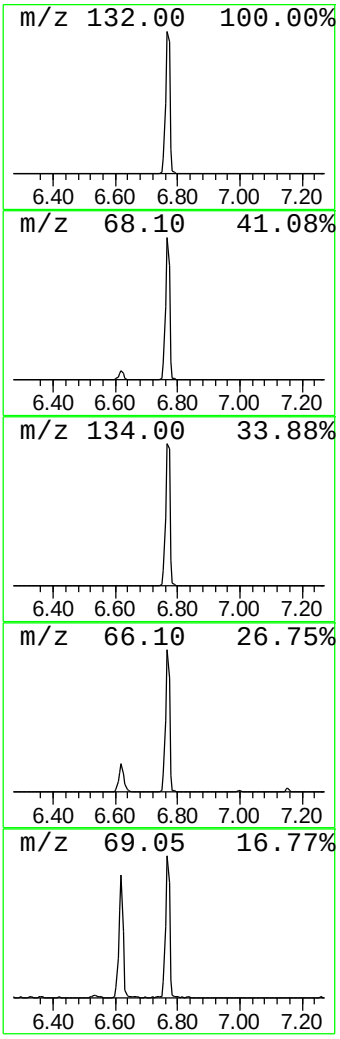
Peak Number 3 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	58.42 ng	2285710	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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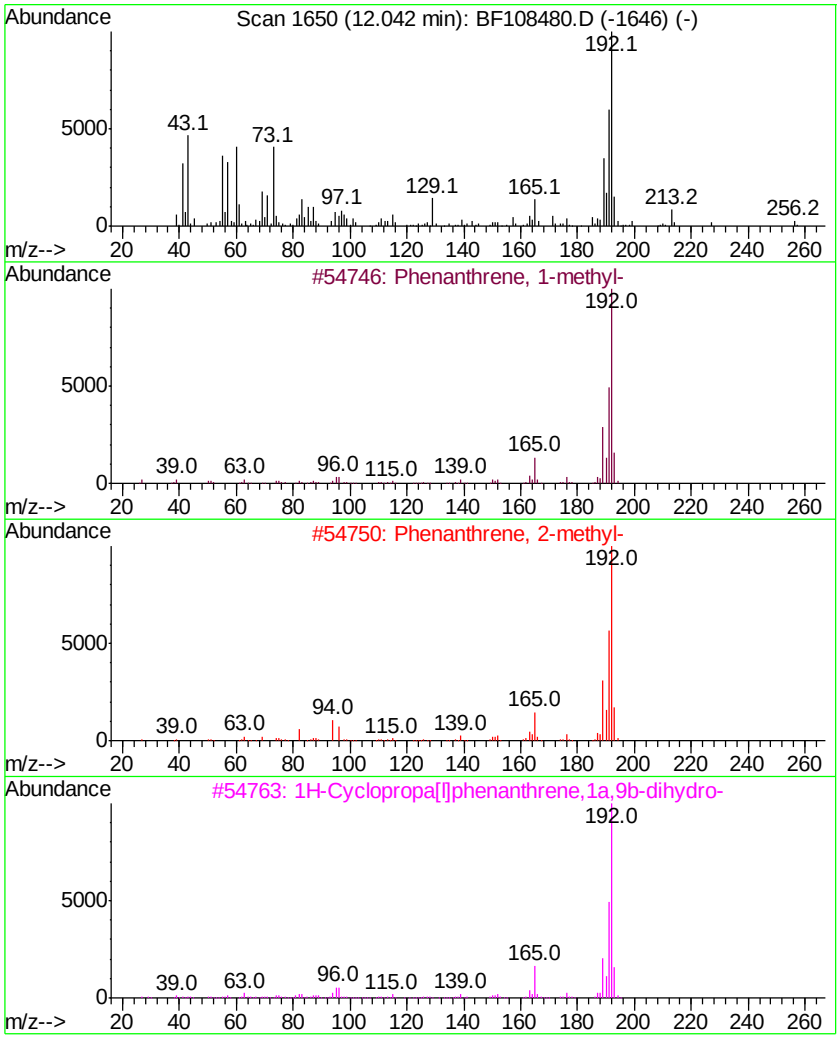
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

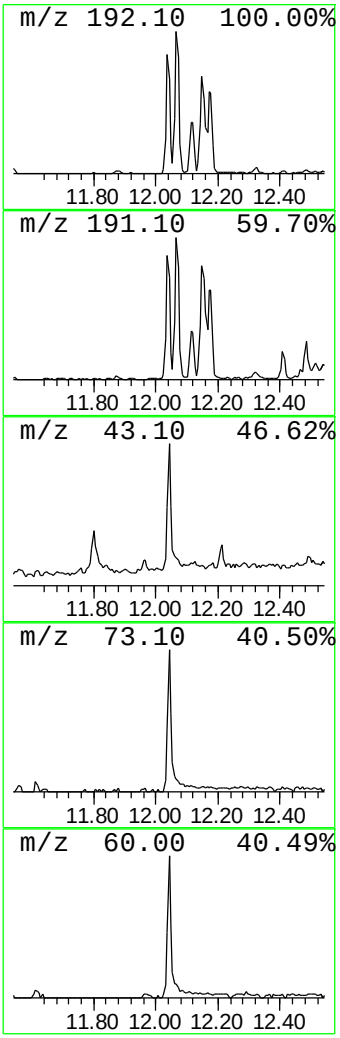
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.15 ng	329082	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

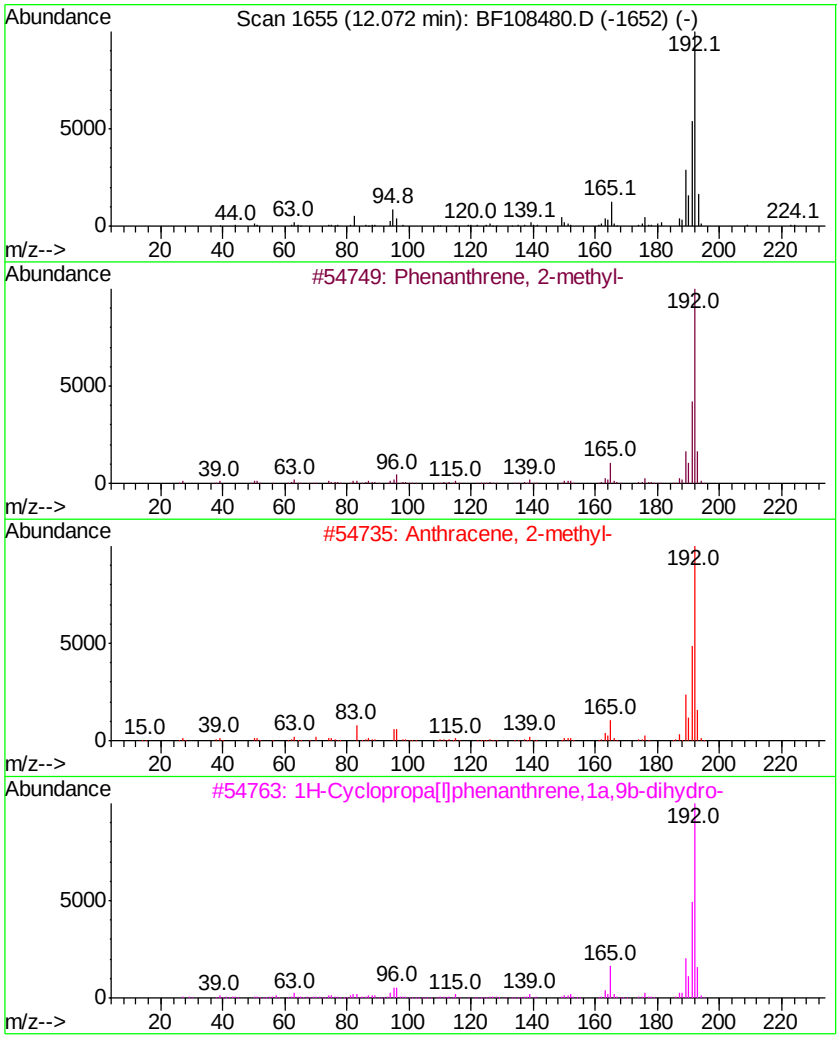
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

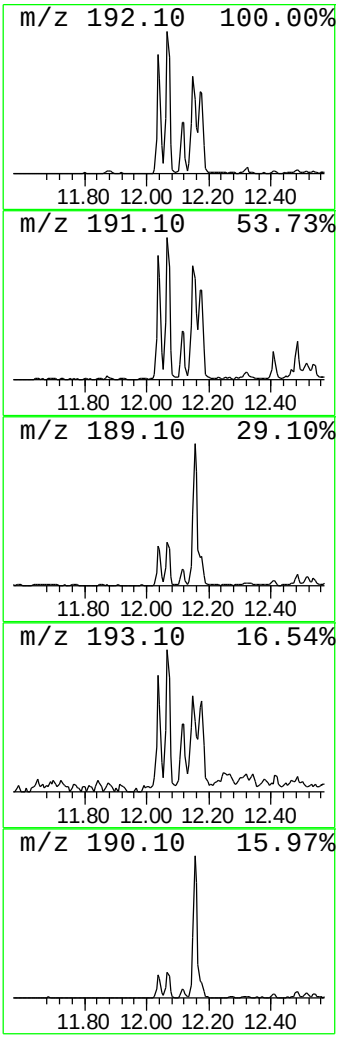
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.03 ng	215222	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108480.D
Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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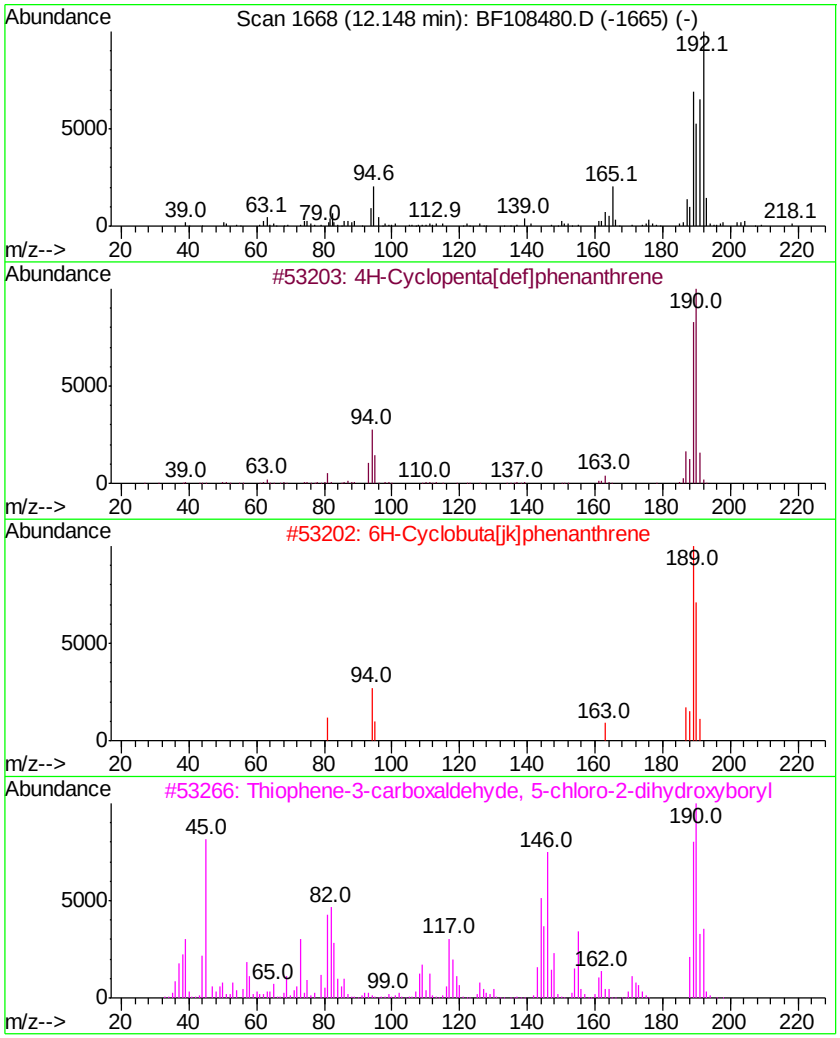
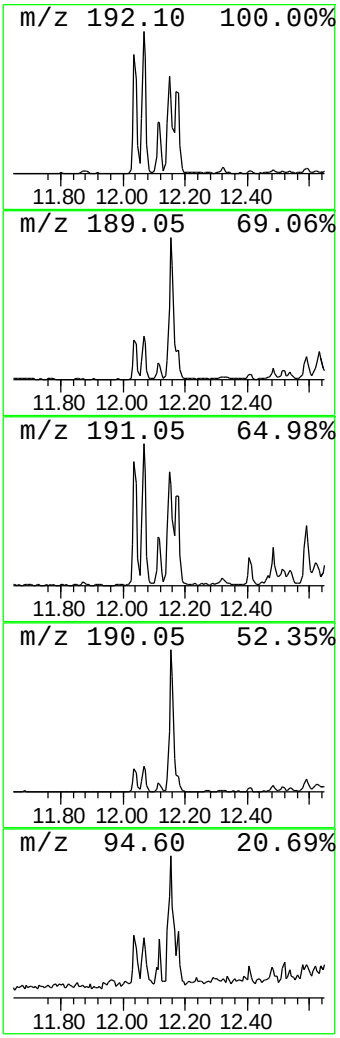
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.95 ng	317922	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	14
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	14





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Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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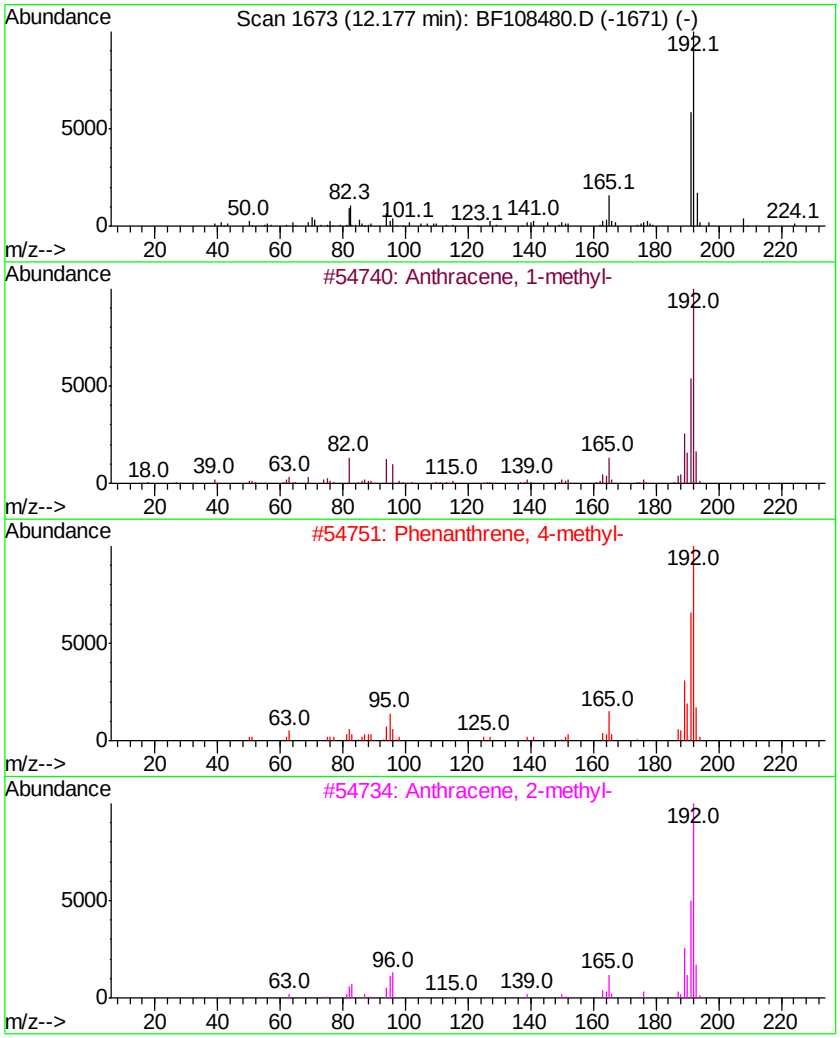
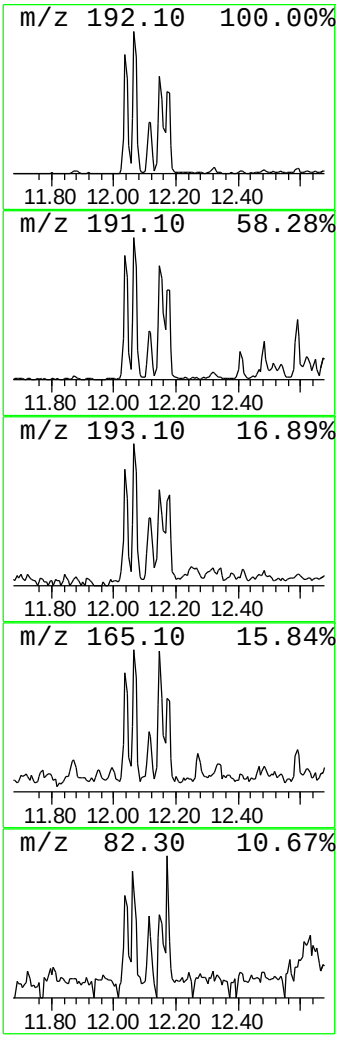
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	2.06 ng	109887	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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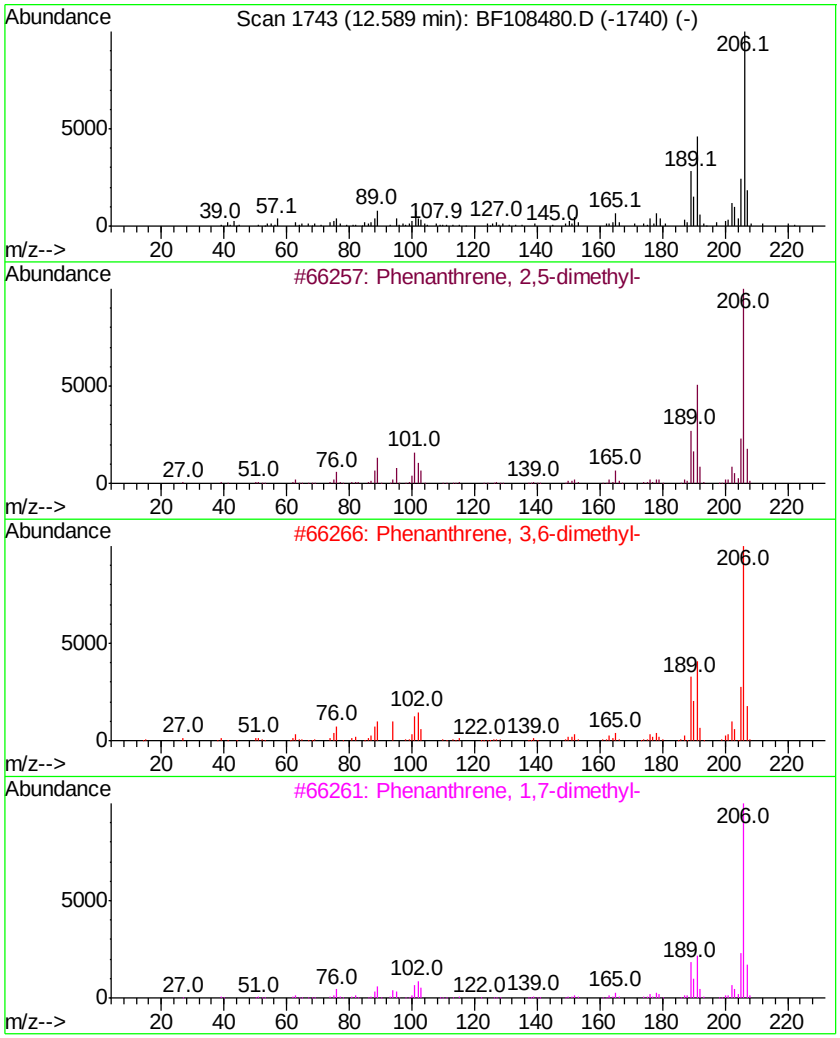
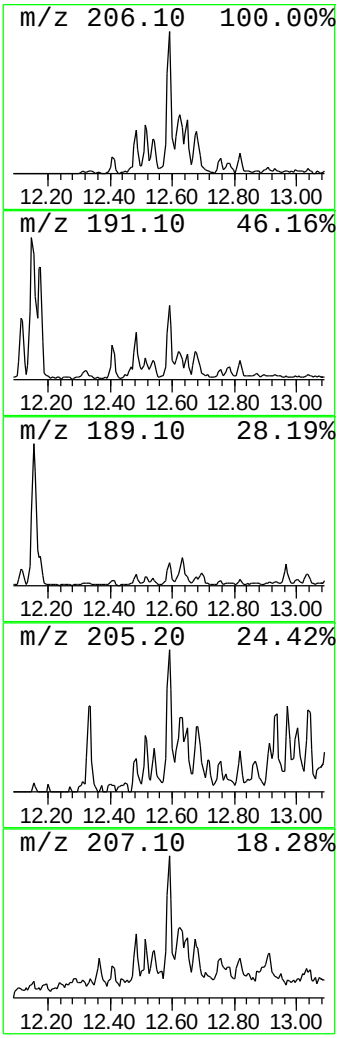
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.19 ng	170802	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





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Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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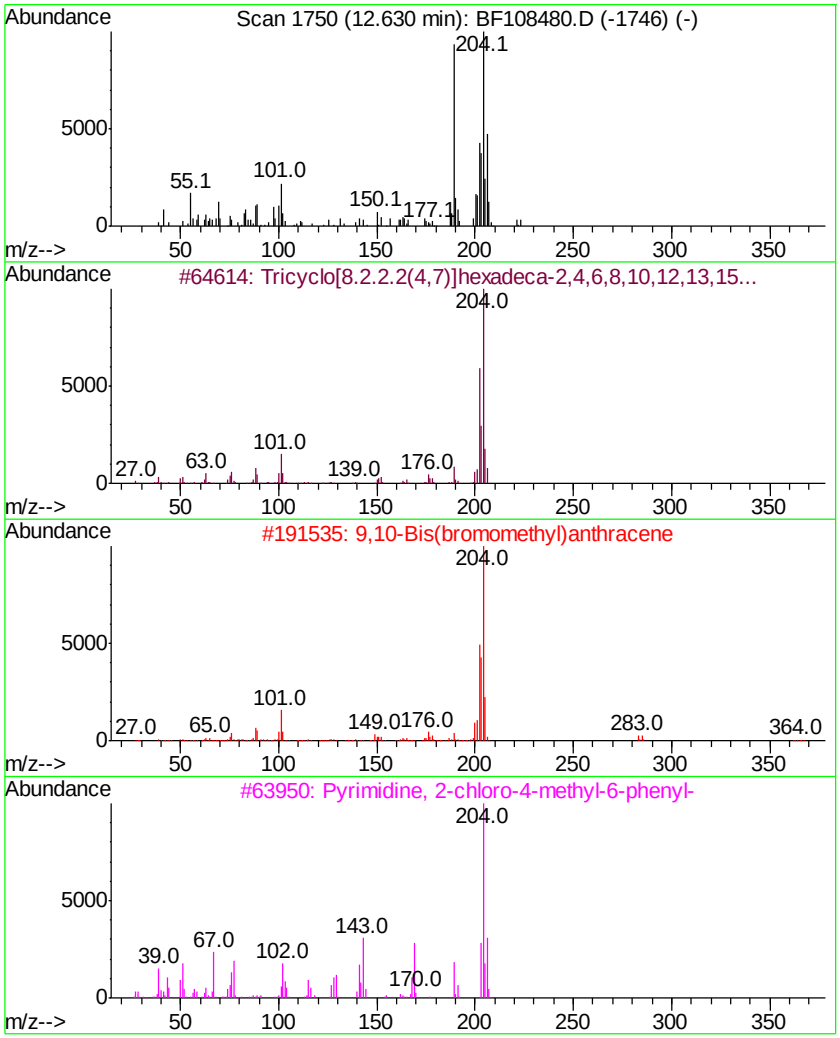
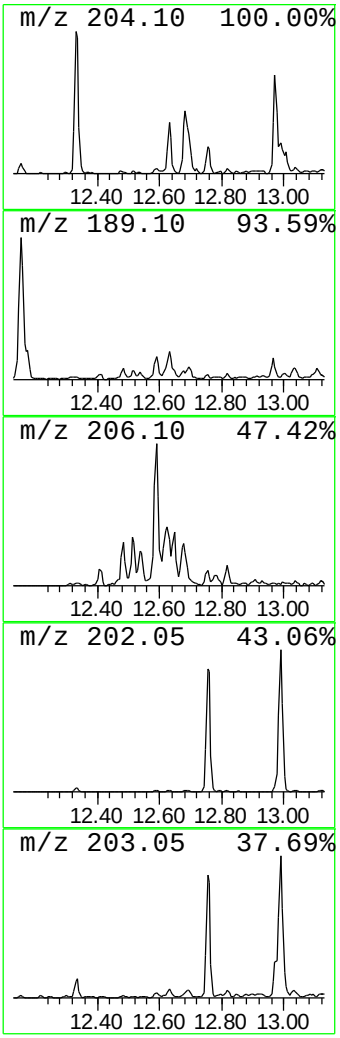
Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.39 ng	234603	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
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Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

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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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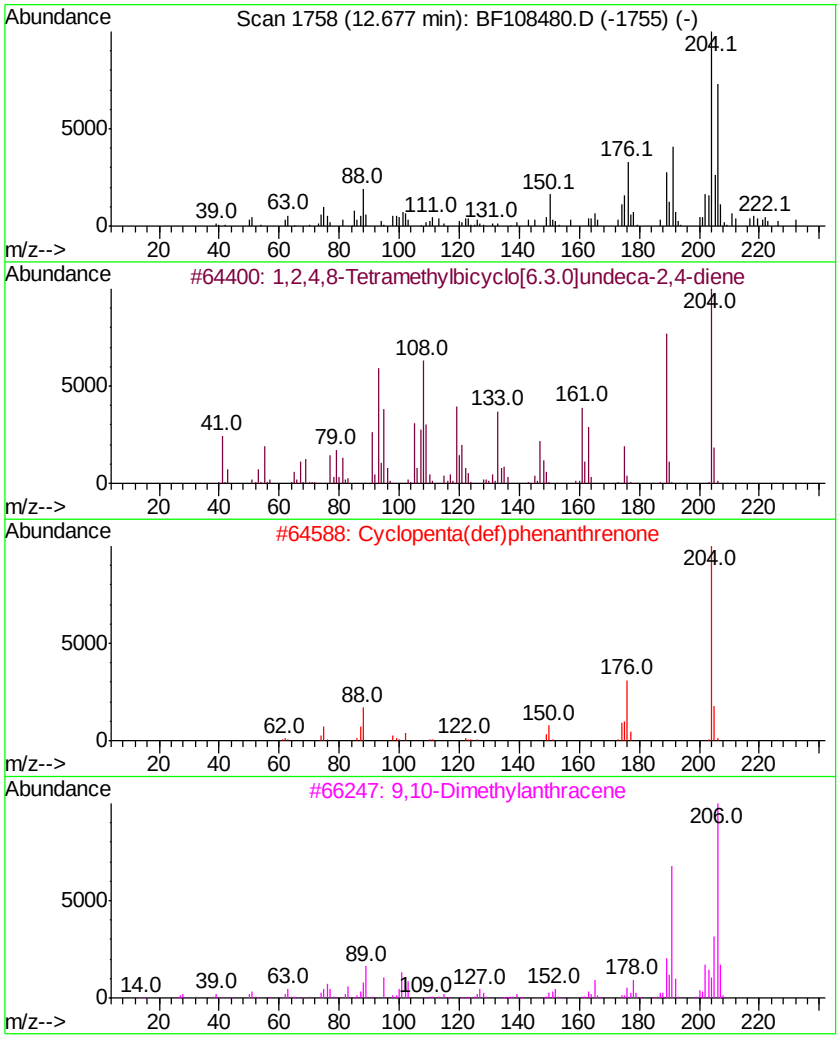
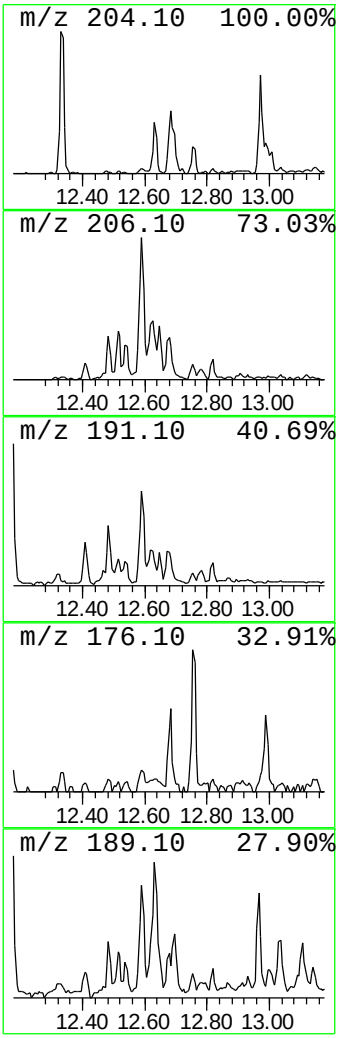
Peak Number 11 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.79 ng	149384	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	41





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Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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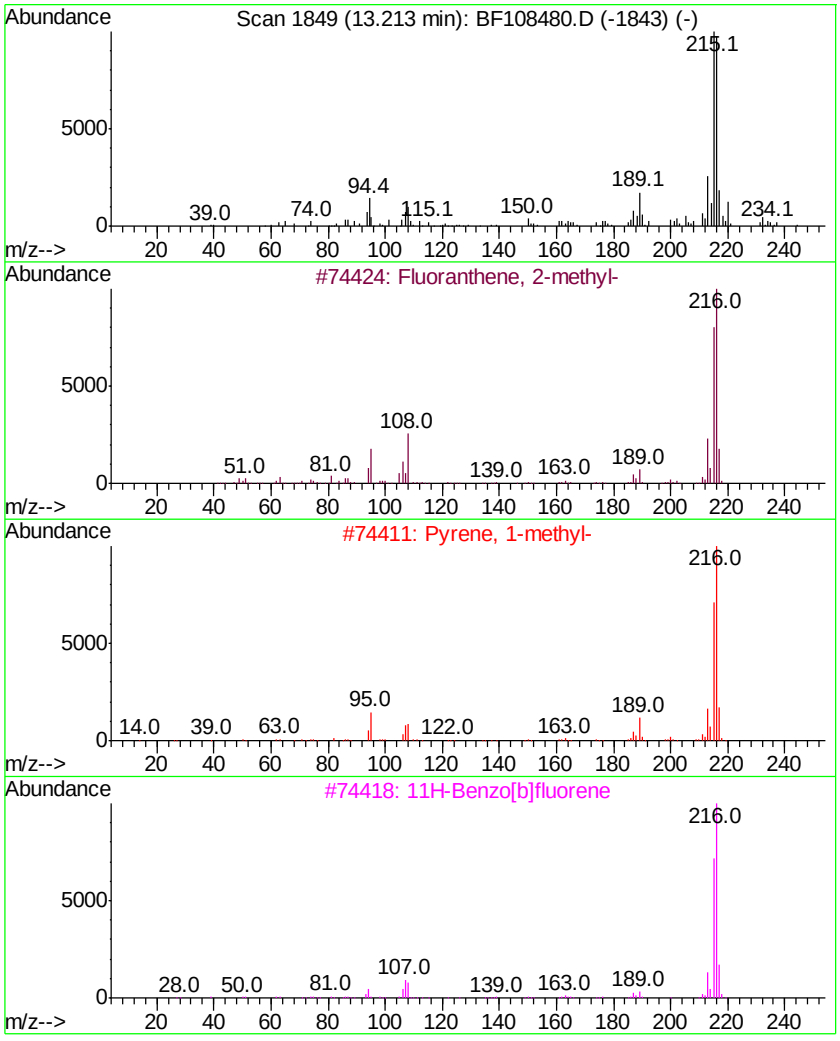
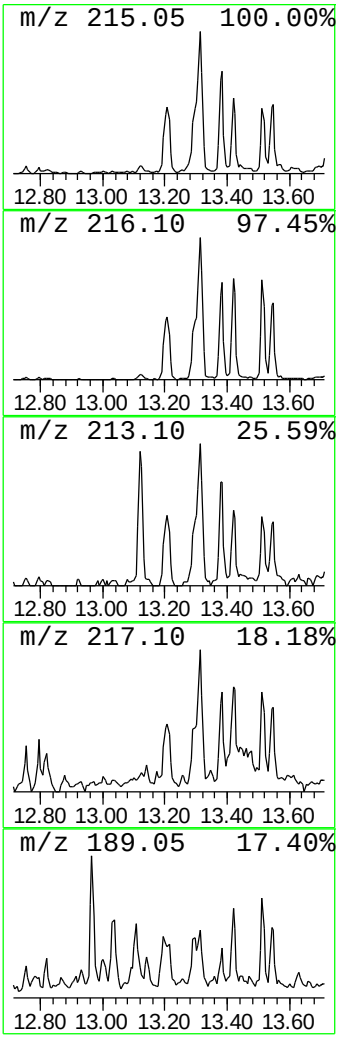
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.19 ng	124407	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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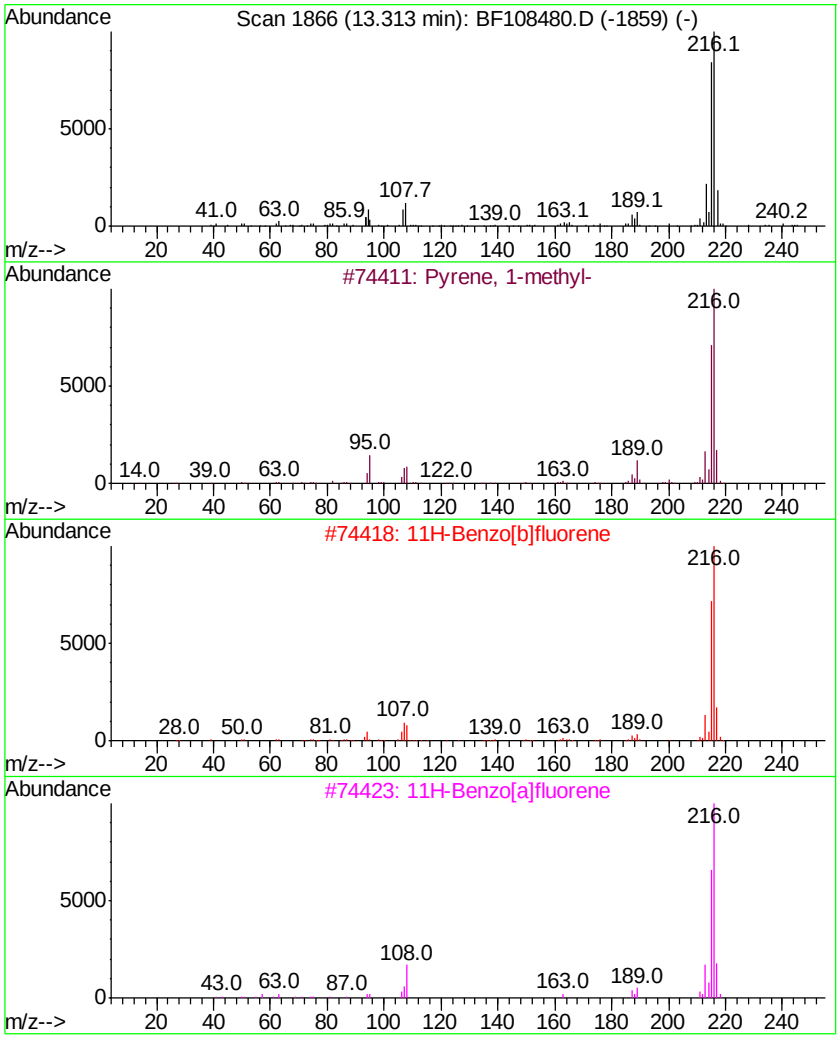
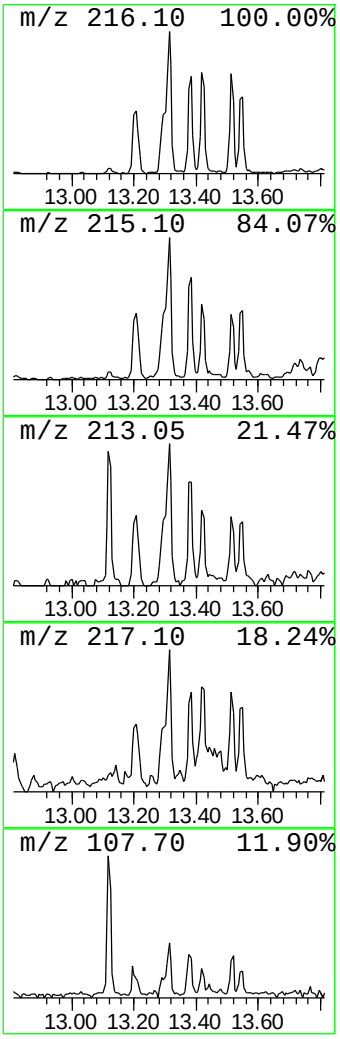
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	4.86 ng	275899	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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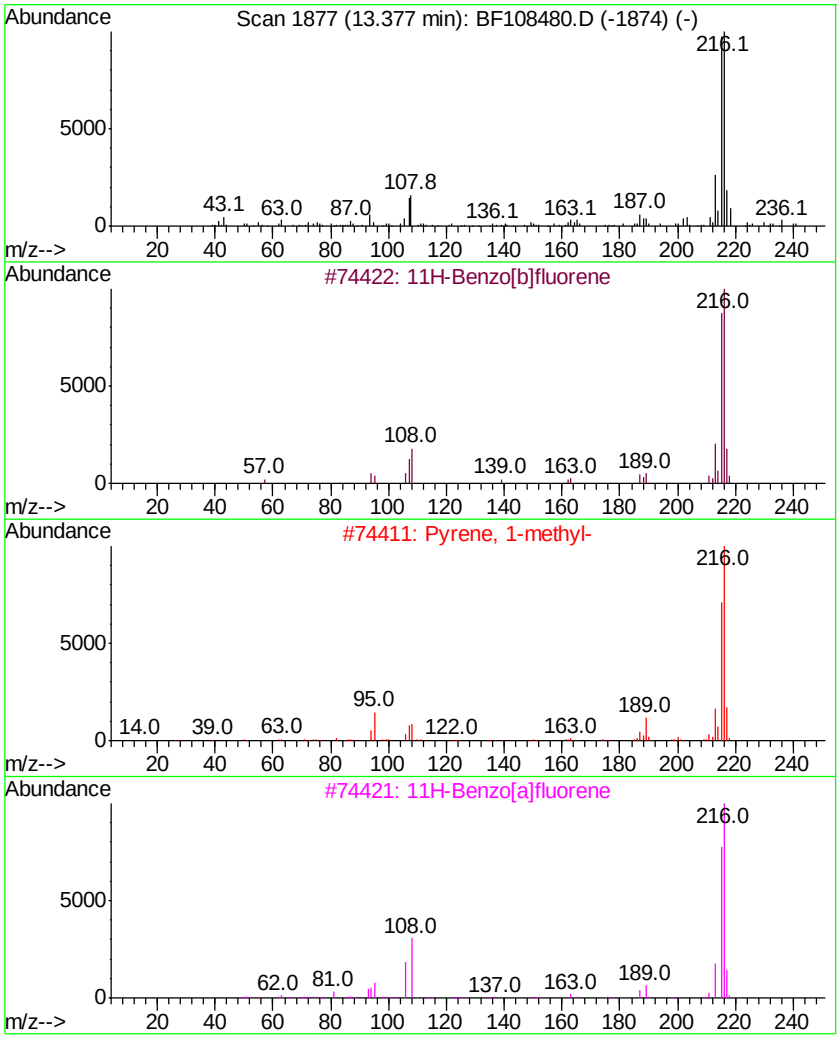
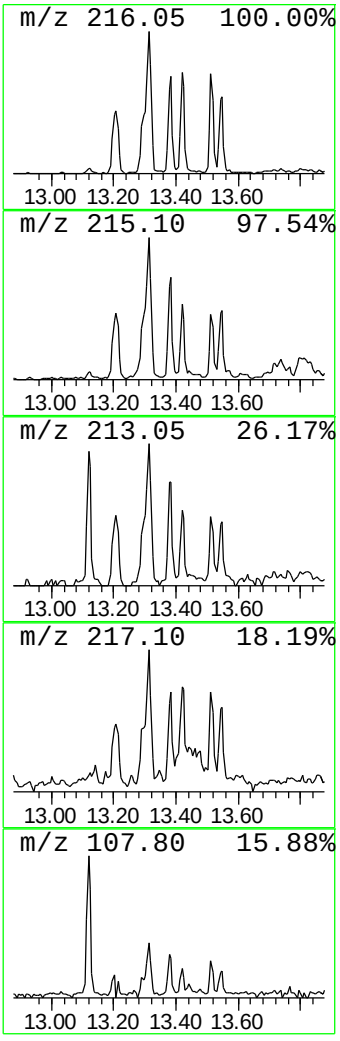
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.07 ng	117341	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

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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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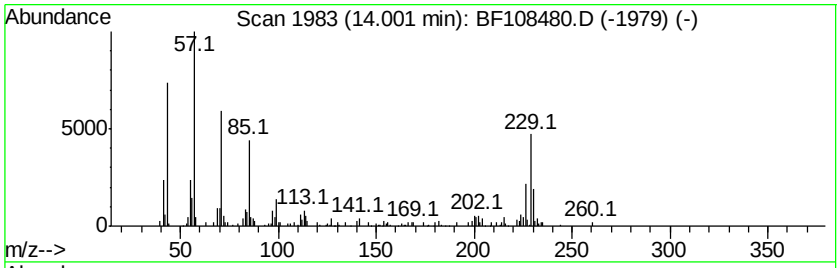
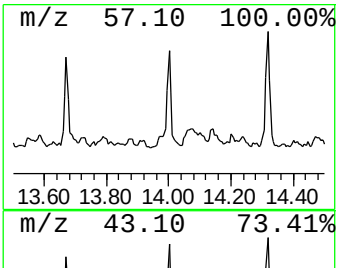
Peak Number 15 Hexacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.18 ng	123918	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	50
2	Hexadecane	226	C16H34	000544-76-3	50
3	Octadecane	254	C18H38	000593-45-3	45
4	Pentadecane	212	C15H32	000629-62-9	45
5	Octacosane	394	C28H58	000630-02-4	45





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Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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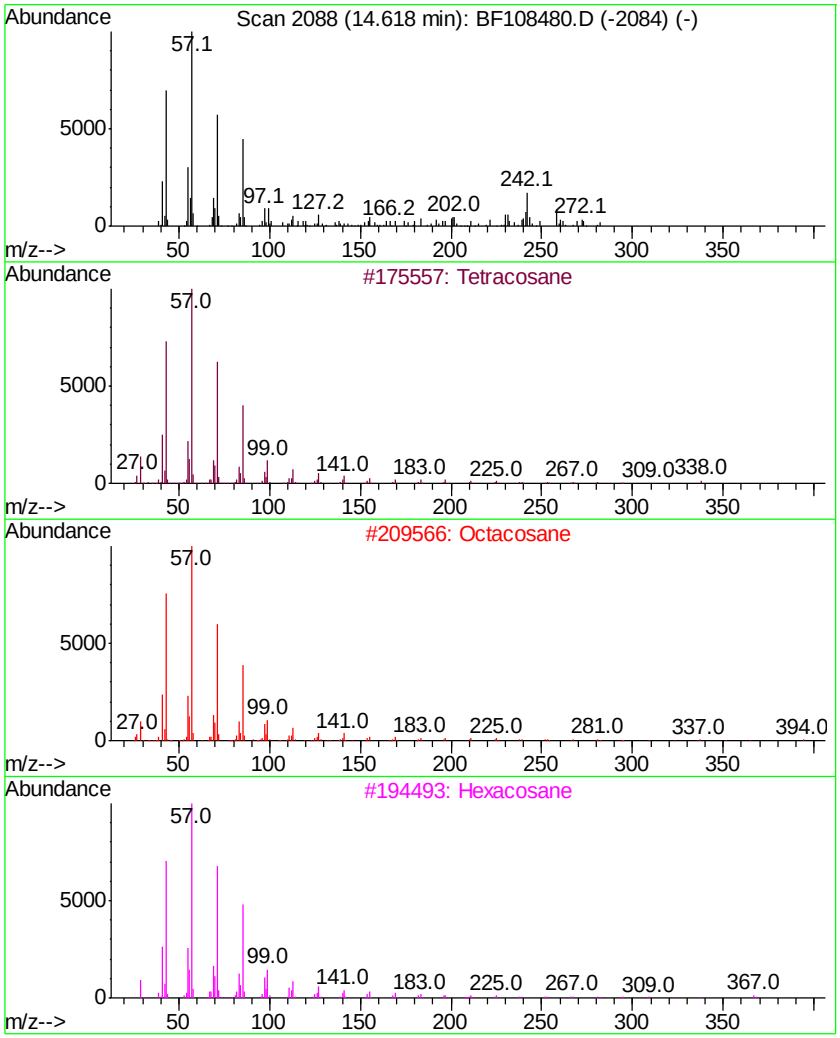
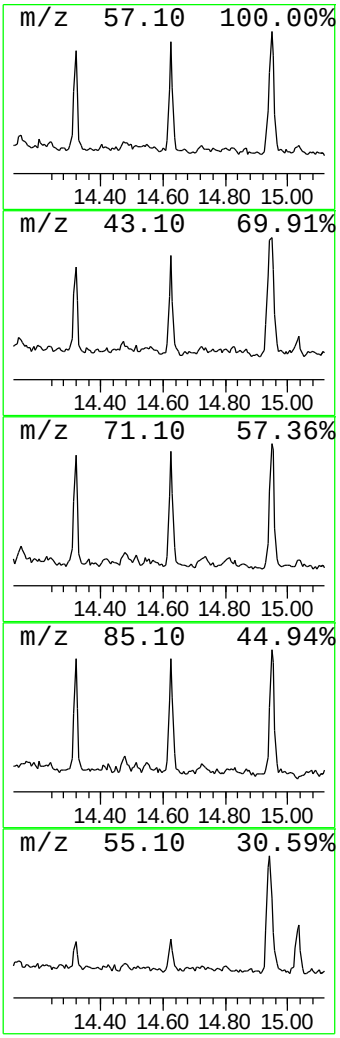
Peak Number 16 Tetracosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.57 ng	146042	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	83
2	Octacosane	394	C28H58	000630-02-4	83
3	Hexacosane	366	C26H54	000630-01-3	81
4	Heptacosane	380	C27H56	000593-49-7	80
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	80





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Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

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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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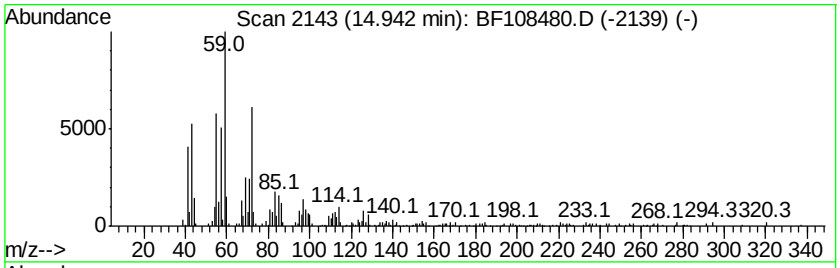
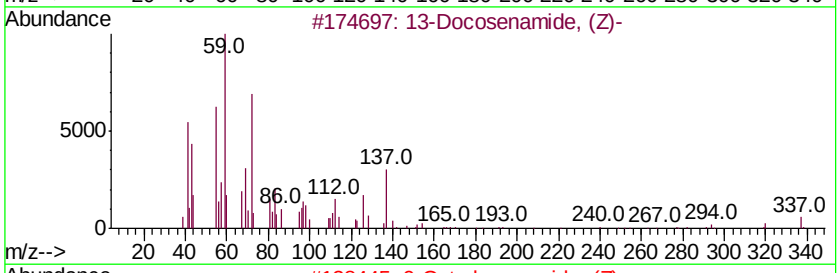
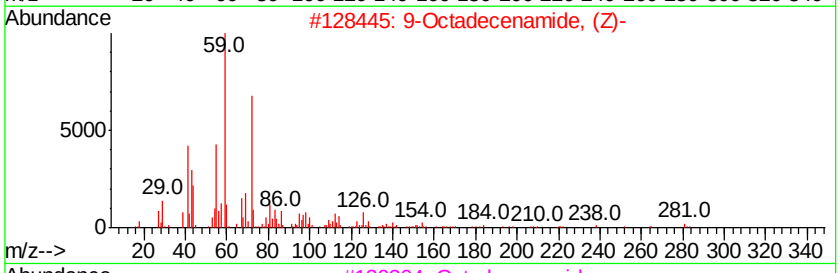
Peak Number 17 13-Docosenamide, (Z)- Concentration Rank 4

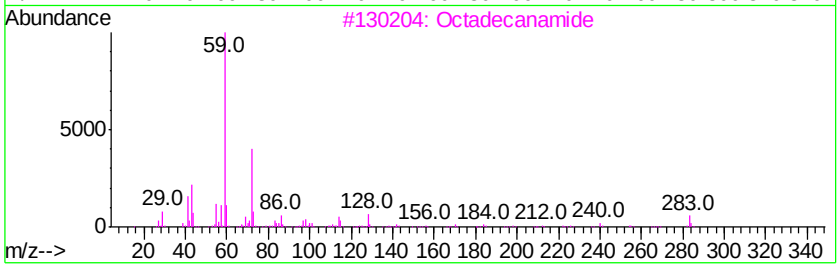
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	7.19 ng	407791	Chrysene-d12	14.19

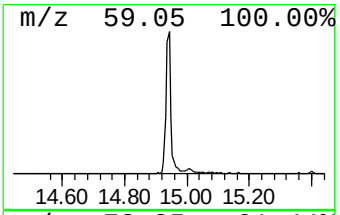
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	76
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	74
3	Octadecanamide	283	C18H37NO	000124-26-5	50
4	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	50
5	Dodecanamide	199	C12H25NO	001120-16-7	49

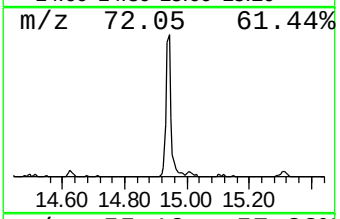


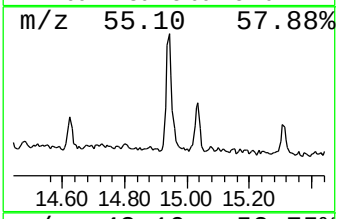


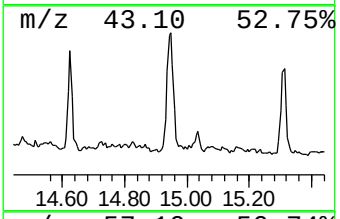


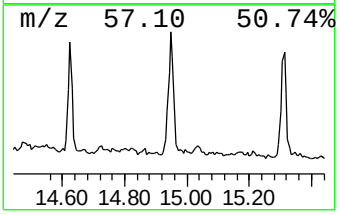












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108480.D
Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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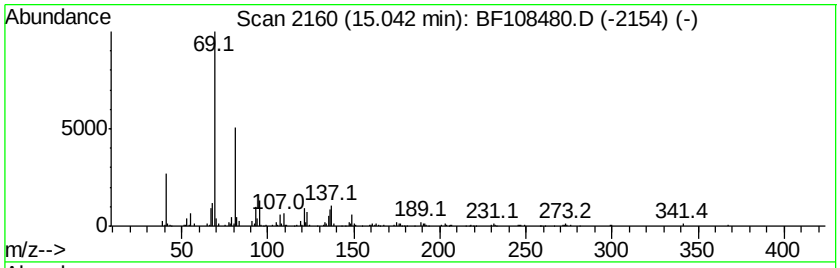
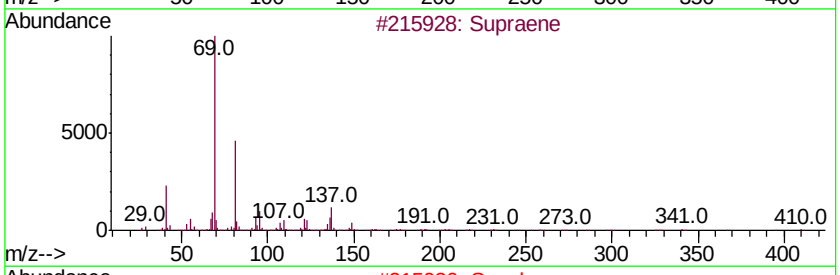
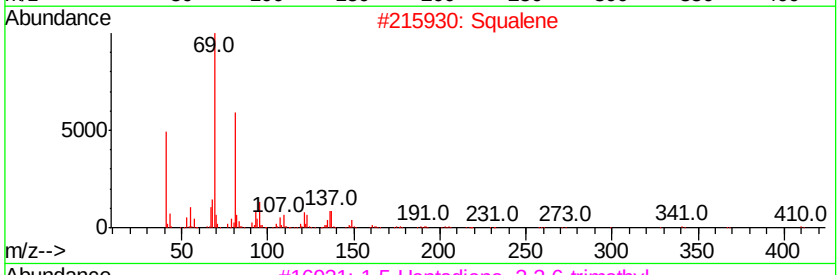
Peak Number 18 Supraene Concentration Rank 3

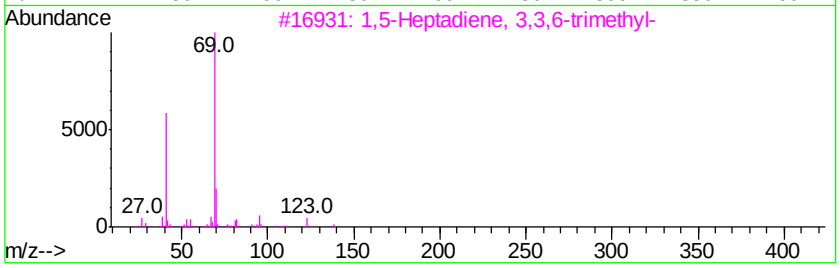
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	12.13 ng	555113	Perylene-d12	15.74

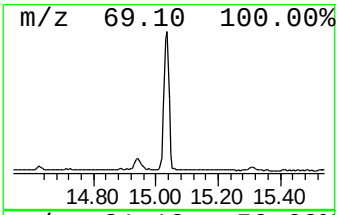
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	91
2	Squalene	410	C30H50	000111-02-4	91
3	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	50
4	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	50
5	2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	47

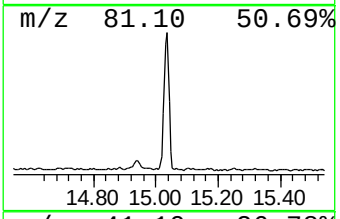


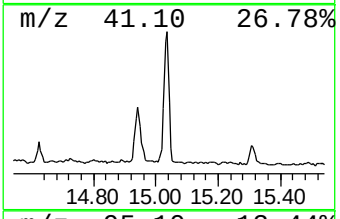


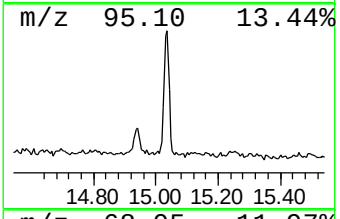


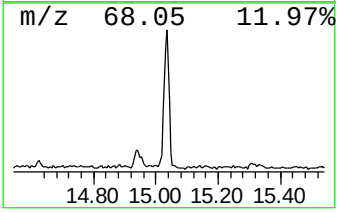












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108480.D
Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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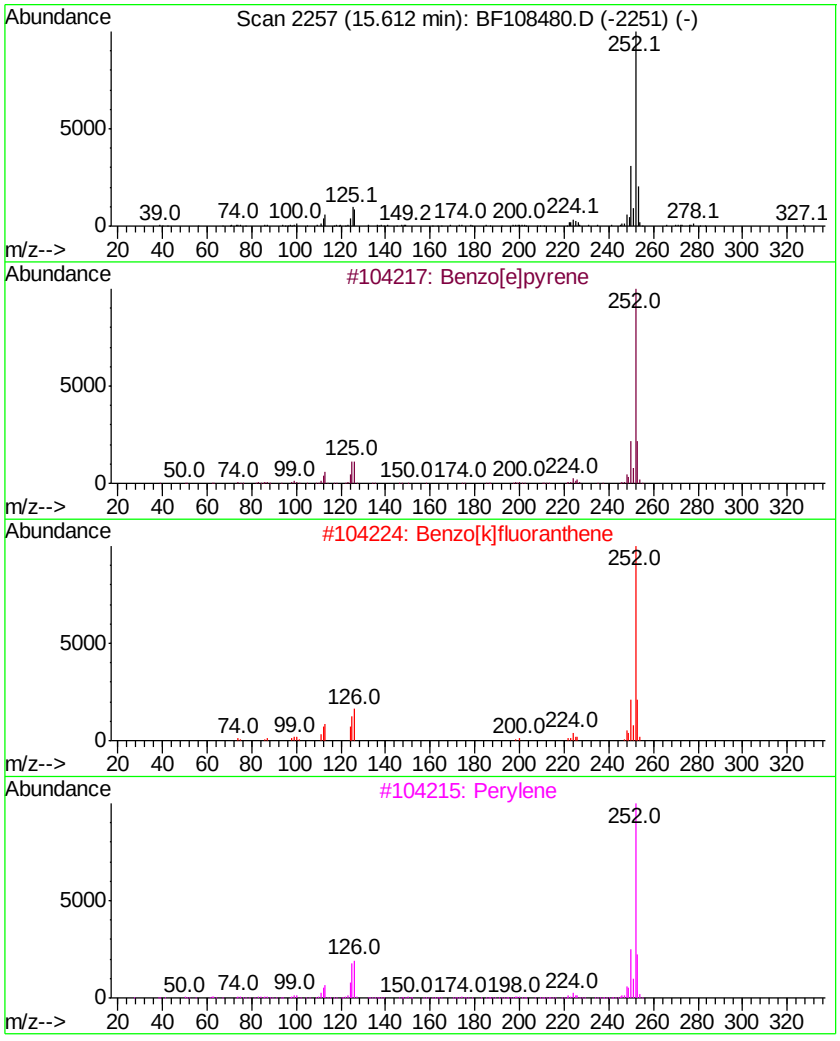
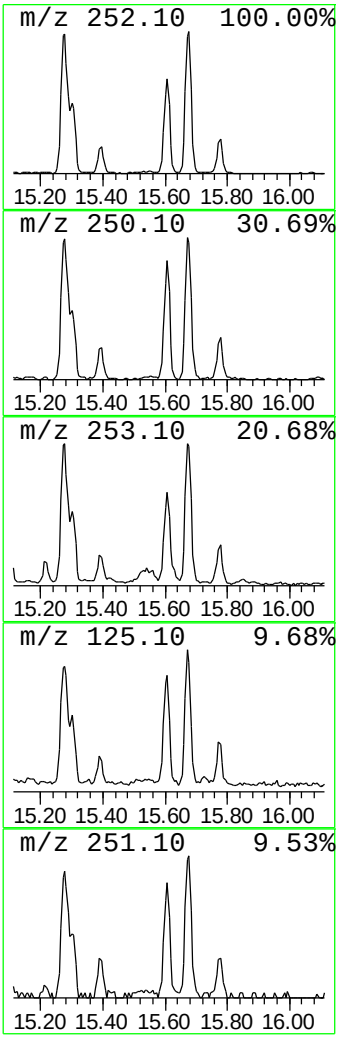
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	6.90 ng	315636	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108480.D
Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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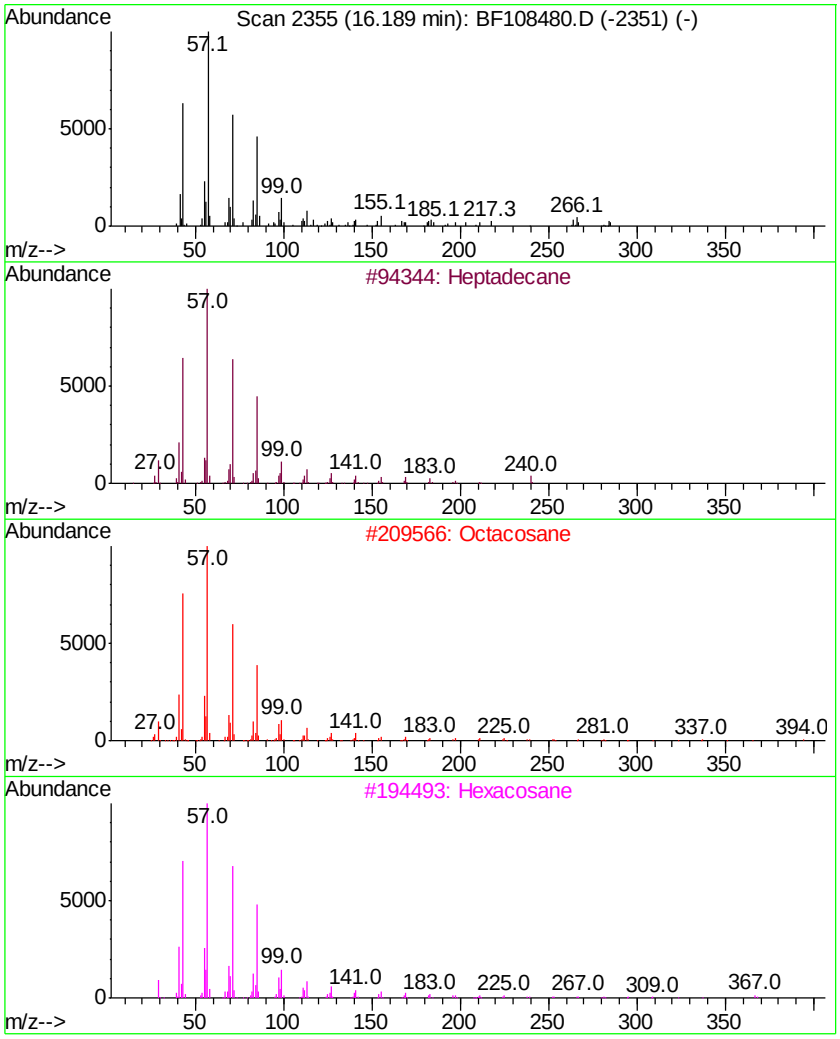
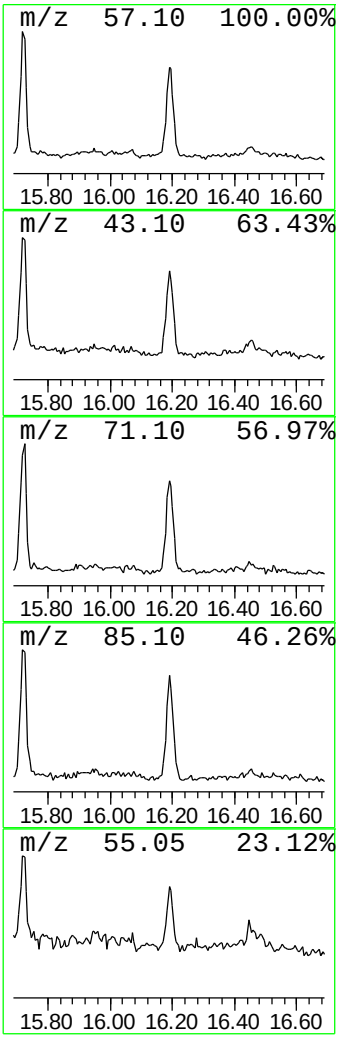
Peak Number 20 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	3.49 ng	159968	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Octacosane	394	C28H58	000630-02-4	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Octadecane	254	C18H38	000593-45-3	83
5	Nonadecane	268	C19H40	000629-92-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
Data File : BF108480.D
Acq On : 24 Aug 2018 22:57
Operator : JU/SJ
Sample : J4581-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q3-D2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
Tetrachloroethylene	4.78	5.9	ng	231668	1	7.00	782467	20.0
2-Pentanone, 4-hy...	5.24	2.9	ng	111665	1	7.00	782467	20.0
unknown6.77	6.77	58.4	ng	2285710	1	7.00	782467	20.0
Phenanthrene, 1-m...	12.04	6.2	ng	329082	4	11.54	1069390	20.0
Phenanthrene, 2-m...	12.07	4.0	ng	215222	4	11.54	1069390	20.0
4H-Cyclopenta[def...	12.15	6.0	ng	317922	4	11.54	1069390	20.0
Anthracene, 1-met...	12.18	2.1	ng	109887	4	11.54	1069390	20.0
Phenanthrene, 2,5...	12.59	3.2	ng	170802	4	11.54	1069390	20.0
Tricyclo[8.2.2.2(...	12.63	4.4	ng	234603	4	11.54	1069390	20.0
1,2,4,8-Tetrameth...	12.68	2.8	ng	149384	4	11.54	1069390	20.0
Fluoranthene, 2-m...	13.21	2.2	ng	124407	5	14.19	1134720	20.0
Pyrene, 1-methyl-	13.31	4.9	ng	275899	5	14.19	1134720	20.0
11H-Benzo[b]fluorene	13.38	2.1	ng	117341	5	14.19	1134720	20.0
Hexacosane	14.00	2.2	ng	123918	5	14.19	1134720	20.0
Tetracosane	14.62	2.6	ng	146042	5	14.19	1134720	20.0
13-Docosenamide, ...	14.94	7.2	ng	407791	5	14.19	1134720	20.0
Supraene	15.04	12.1	ng	555113	6	15.74	915548	20.0
Benzo[e]pyrene	15.61	6.9	ng	315636	6	15.74	915548	20.0
Heptadecane	16.19	3.5	ng	159968	6	15.74	915548	20.0