LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

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-BF091319.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	5.022	497	499	508	rVB	12812	16278	1.24%	0.091%
2	5.440	566	570	586	rBV	683832	709888	54.08%	3.975%
3	6.451	738	742	762	rBV	896227	843482	64.25%	4.723%
4	6.592	762	766	774	rBV	934056	844101	64.30%	4.726%
5	6.822	801	805	814	rBV	510254	423693	32.28%	2.372%
6	6.975	828	831	844	rBV	648870	651919	49.66%	3.650%
7	7.381	896	900	906	rBV	449337	459861	35.03%	2.575%
8	8.104	1019	1023	1040	rBV	528567	560481	42.70%	3.138%
9	8.916	1157	1161	1169	rBV4	20919	30942	2.36%	0.173%
10	9.175	1201	1205	1211	rBV	998654	970336	73.92%	5.433%
11	9.257	1216	1219	1226	rVB4	14988	20700	1.58%	0.116%
12	9.439	1247	1250	1255	rBV5	10794	17601	1.34%	0.099%
13	9.510	1260	1262	1265	rVV2	27185	29428	2.24%	0.165%
14	9.563	1269	1271	1276	rVV	57745	68430	5.21%	0.383%
15	9.627	1279	1282	1287	rVB4	16680	22206	1.69%	0.124%
16	9.710	1294	1296	1301	rBV	39744	40649	3.10%	0.228%
17	9.851	1315	1320	1323	rBV	721701	625799	47.67%	3.504%
18	9.880	1323	1325	1331	rVB	95283	88216	6.72%	0.494%
19	10.057	1351	1355	1359	rVB2	40144	37433	2.85%	0.210%
20	10.098	1359	1362	1367	rVB4	14180	18002	1.37%	0.101%
21	10.169	1371	1374	1377	rBV2	19945	22987	1.75%	0.129%
22	10.257	1385	1389	1391	rBV2	15359	16601	1.26%	0.093%
23	10.280	1391	1393	1396	rVB2	28111	22582	1.72%	0.126%
24	10.398	1409	1413	1419	rBV	94559	99413	7.57%	0.557%
25	10.463	1419	1424	1426	rVV2	15468	23003	1.75%	0.129%
26	10.504	1429	1431	1434	rVV3	24200	25011	1.91%	0.140%
27	10.551	1437	1439	1443	rVB	27098	27242	2.08%	0.153%
28	10.633	1449	1453	1460	rBV	481019	494573	37.67%	2.769%
29	10.763	1470	1475	1482	rVB5	36614	63893	4.87%	0.358%
30	10.945	1501	1506	1508	rBV2	27198	34936	2.66%	0.196%
31	10.974	1508	1511	1514	rVB3	17985	18218	1.39%	0.102%
32	11.074	1522	1528	1529	rBV4	14438	17155	1.31%	0.096%
33	11.139	1536	1539	1542	rVB3	18896	17211	1.31%	0.096%
34	11.198	1544	1549	1552	rVV4	31616	43475	3.31%	0.243%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

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-BF091319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.227	1552	1554	1560	rVB	52390	52834	4.02%	0.296%
36	11.333	1568	1572	1574	rBV	573181	528053	40.23%	2.957%
37	11.357	1574	1576	1582	rVV	593989	503133	38.33%	2.817%
38	11.410	1582	1585	1588	rVB	122750	121553	9.26%	0.681%
39	11.563	1608	1611	1619	rBV	39595	63877	4.87%	0.358%
40	11.627	1619	1622	1624	rVV	34621	28827	2.20%	0.161%
41	11.669	1627	1629	1634	rVB3	22867	26648	2.03%	0.149%
42	11.721	1635	1638	1642	rBV	417859	321791	24.51%	1.802%
43	11.833	1653	1657	1659	rBV	87270	77688	5.92%	0.435%
44	11.863	1659	1662	1667	rVV2	132849	149531	11.39%	0.837%
45	11.910	1667	1670	1673	rVV	40135	41376	3.15%	0.232%
46	11.945	1673	1676	1678	rVV	141655	152311	11.60%	0.853%
47	11.969	1678	1680	1684	rVB	59084	56843	4.33%	0.318%
48	12.027	1688	1690	1694	rVB2	21807	23661	1.80%	0.132%
49	12.127	1704	1707	1709	rBV	58310	48937	3.73%	0.274%
50	12.157	1709	1712	1716	rVB2	35671	41040	3.13%	0.230%
51	12.310	1735	1738	1740	rBV	22911	17940	1.37%	0.100%
52	12.380	1747	1750	1752	rBV	57461	67011	5.10%	0.375%
53	12.410	1752	1755	1756	rVV	941229	885878	67.48%	4.960%
54	12.427	1756	1758	1763	rVV	1549655	1312736	100.00%	7.351%
55	12.468	1763	1765	1770	rVB3	33177	40147	3.06%	0.225%
56	12.510	1770	1772	1775	rBV	133087	118105	9.00%	0.661%
57	12.545	1775	1778	1783	rVB	674976	602388	45.89%	3.373%
58	12.639	1791	1794	1797	rBV	33753	31342	2.39%	0.175%
59	12.698	1798	1804	1806	rVB3	25573	41024	3.13%	0.230%
60	12.774	1810	1817	1822	rBV	504065	653030	49.75%	3.657%
61	12.821	1822	1825	1830	rVB2	31868	47842	3.64%	0.268%
62	12.910	1833	1840	1848	rBV	826910	759604	57.86%	4.253%
63	12.992	1849	1854	1857	rBV2	52260	89500	6.82%	0.501%
64	13.074	1865	1868	1869	rBV2	54170	52561	4.00%	0.294%
65	13.098	1869	1872	1876	rVB2	133752	125055	9.53%	0.700%
66	13.163	1878	1883	1886	rBV	110708	118972	9.06%	0.666%
67	13.204	1886	1890	1893	rBV2	65734	76587	5.83%	0.429%
68	13.292	1903	1905	1908	rBV	42632	41111	3.13%	0.230%
69	13.327	1908	1911	1914	rBV2	36013	44032	3.35%	0.247%
70	13.480	1935	1937	1938	rBV2	25037	17645	1.34%	0.099%
71	13.580	1951	1954	1956	rBV4	21908	25166	1.92%	0.141%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

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-BF091319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.610	1956	1959	1963	rVB2	36620	45916	3.50%	0.257%
73	13.715	1974	1977	1980	rBV2	49832	57096	4.35%	0.320%
74	13.745	1980	1982	1984	rVV	43132	33982	2.59%	0.190%
75	13.768	1984	1986	1991	rVV3	36791	62368	4.75%	0.349%
76	13.810	1991	1993	2002	rVB4	58406	89967	6.85%	0.504%
77	13.963	2014	2019	2022	rBV2	542555	733316	55.86%	4.106%
78	13.992	2022	2024	2031	rVB	286263	252261	19.22%	1.413%
79	14.068	2035	2037	2040	rVB	39400	32106	2.45%	0.180%
80	14.351	2081	2085	2088	rBV	76456	89722	6.83%	0.502%
81	14.427	2096	2098	2100	rBV3	32115	34843	2.65%	0.195%
82	14.474	2104	2106	2108	rVV	41088	32560	2.48%	0.182%
83	14.992	2190	2194	2198	rBV	210167	346251	26.38%	1.939%
84	15.286	2241	2244	2251	rVB	108538	156214	11.90%	0.875%
85	15.351	2251	2255	2260	rBV	175597	238742	18.19%	1.337%
86	15.409	2261	2265	2275	rVB3	262863	440231	33.54%	2.465%
87	16.092	2377	2381	2396	rVB6	77738	175308	13.35%	0.982%
88	16.845	2505	2509	2515	rVB2	66775	131639	10.03%	0.737%
89	17.280	2579	2583	2591	rVB2	43544	94910	7.23%	0.531%

Sum of corrected areas: 17858956

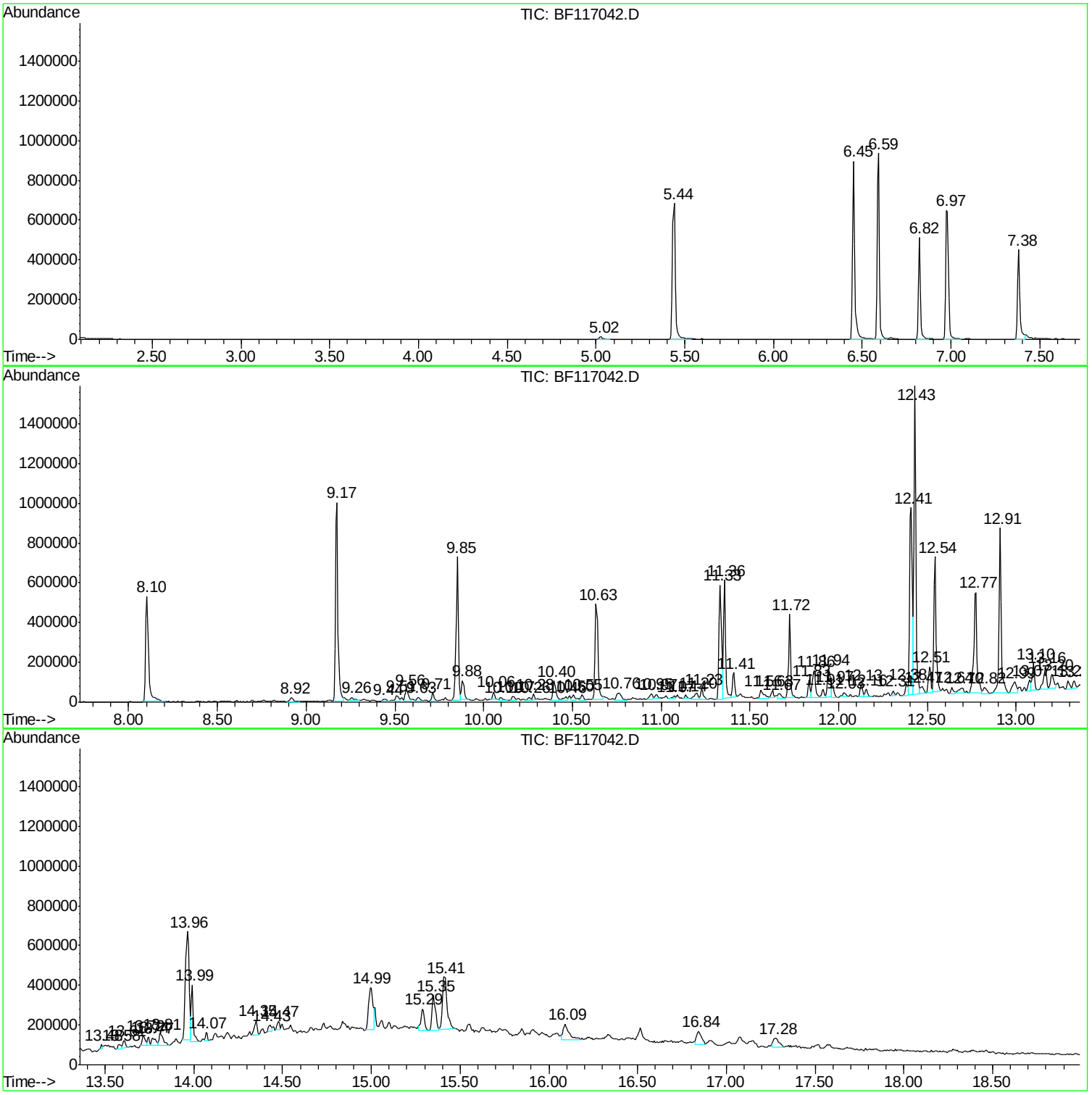
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

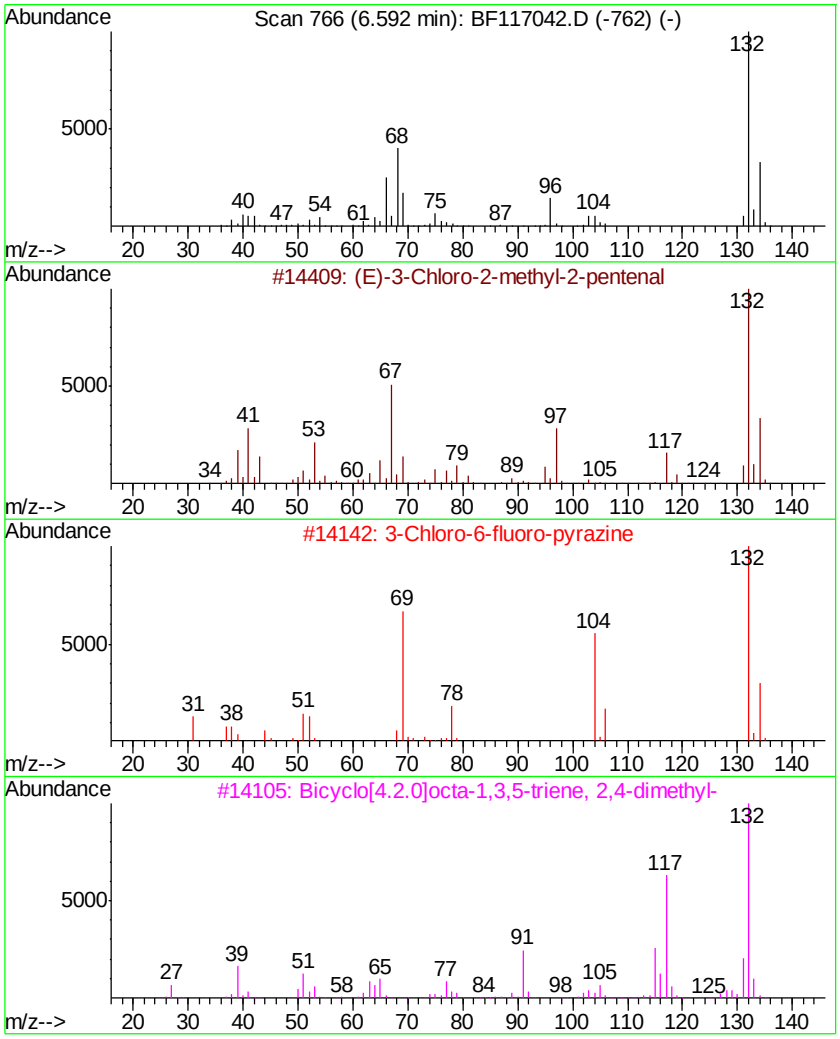
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

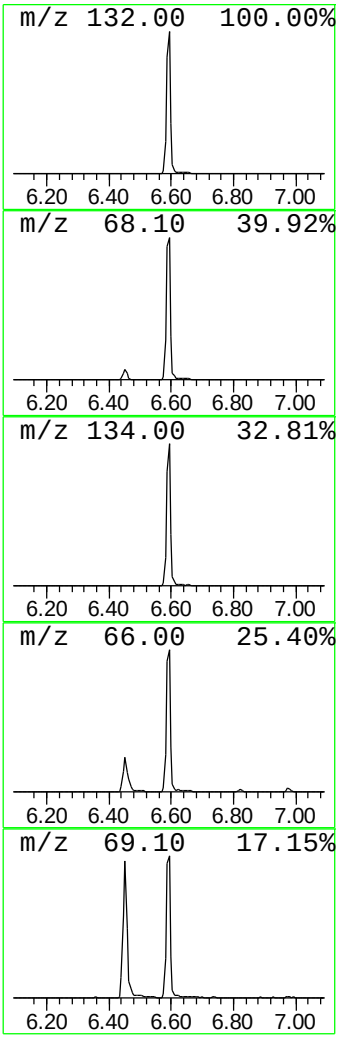
****

Peak Number 1 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	39.84 ng	844101	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

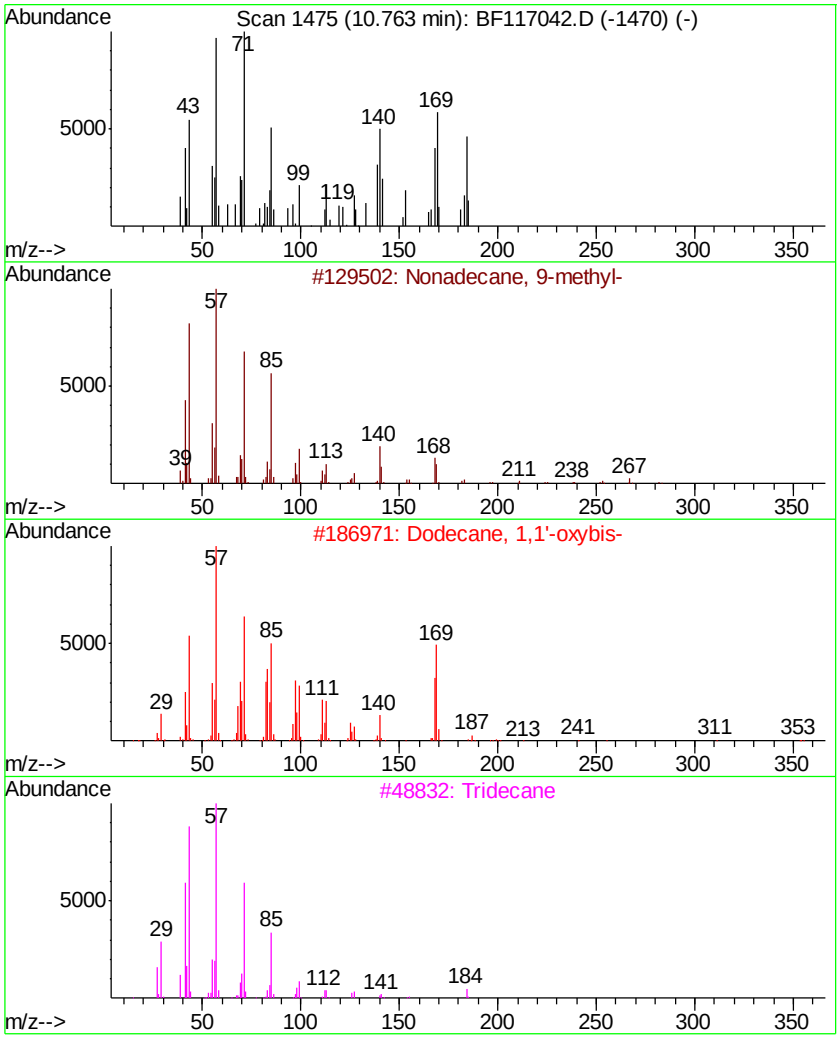
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

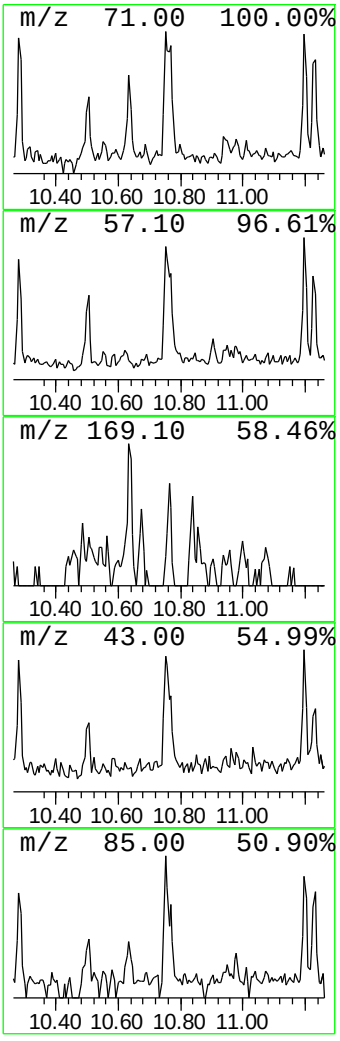
****

Peak Number 3 unknown10.76 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	2.42 ng	63893	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	47
2	Dodecane, 1,1'-oxybis-	354	C24H50O	004542-57-8	46
3	Tridecane	184	C13H28	000629-50-5	38
4	Dodecane	170	C12H26	000112-40-3	27
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

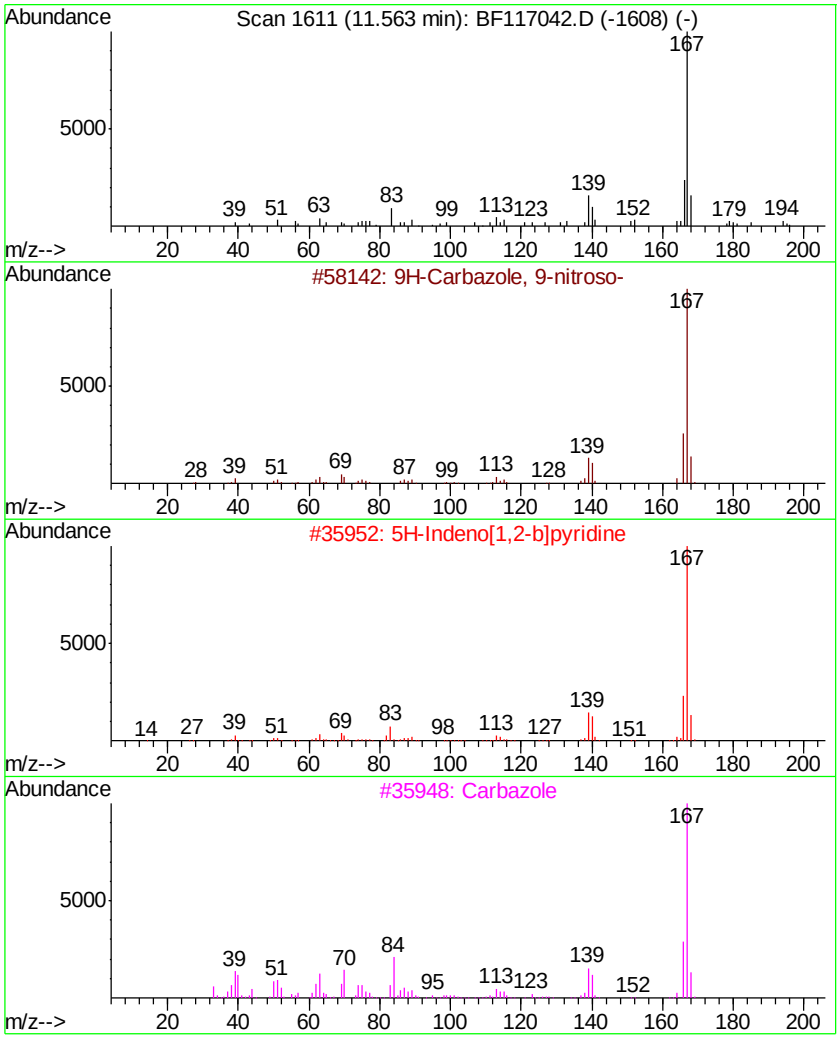
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

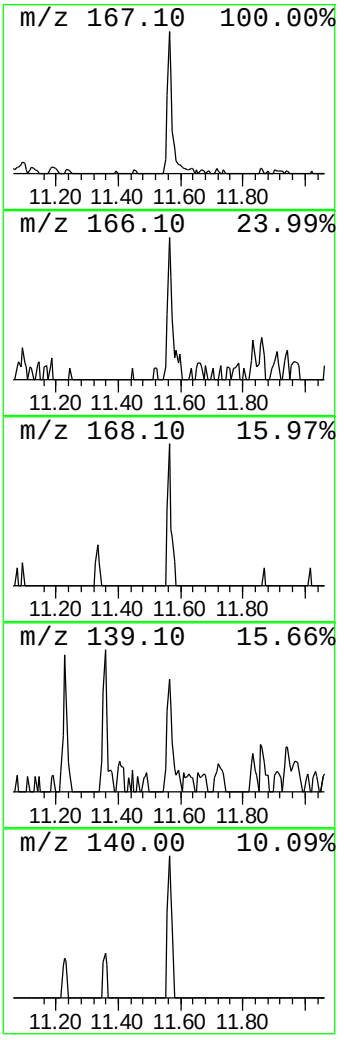
****

Peak Number 4 9H-Carbazole, 9-nitroso- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	2.42 ng	63877	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	81
3	Carbazole	167	C12H9N	000086-74-8	80
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	72
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

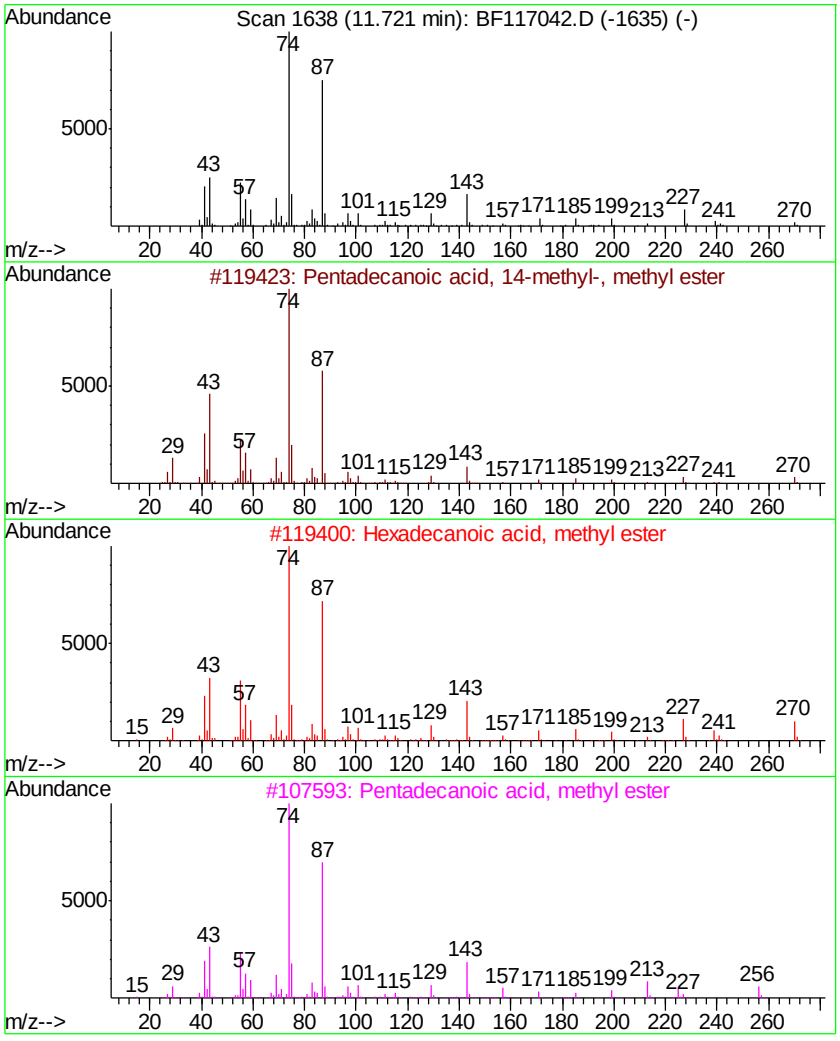
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

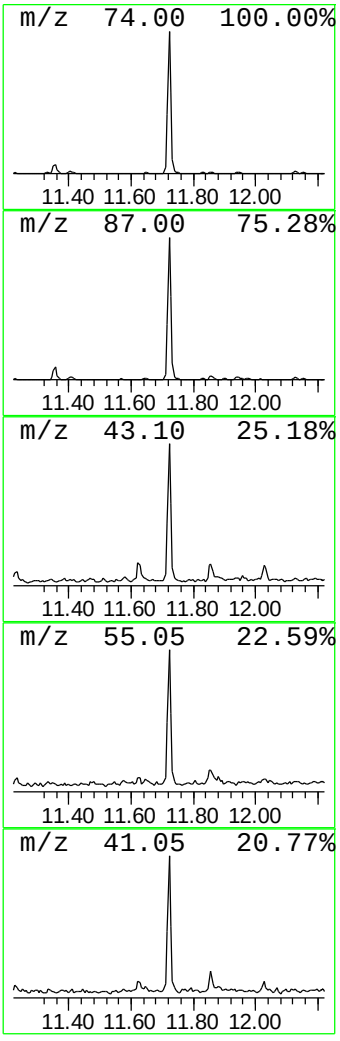
****

Peak Number 5 Pentadecanoic acid, 14-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	12.19 ng	321791	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	97
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

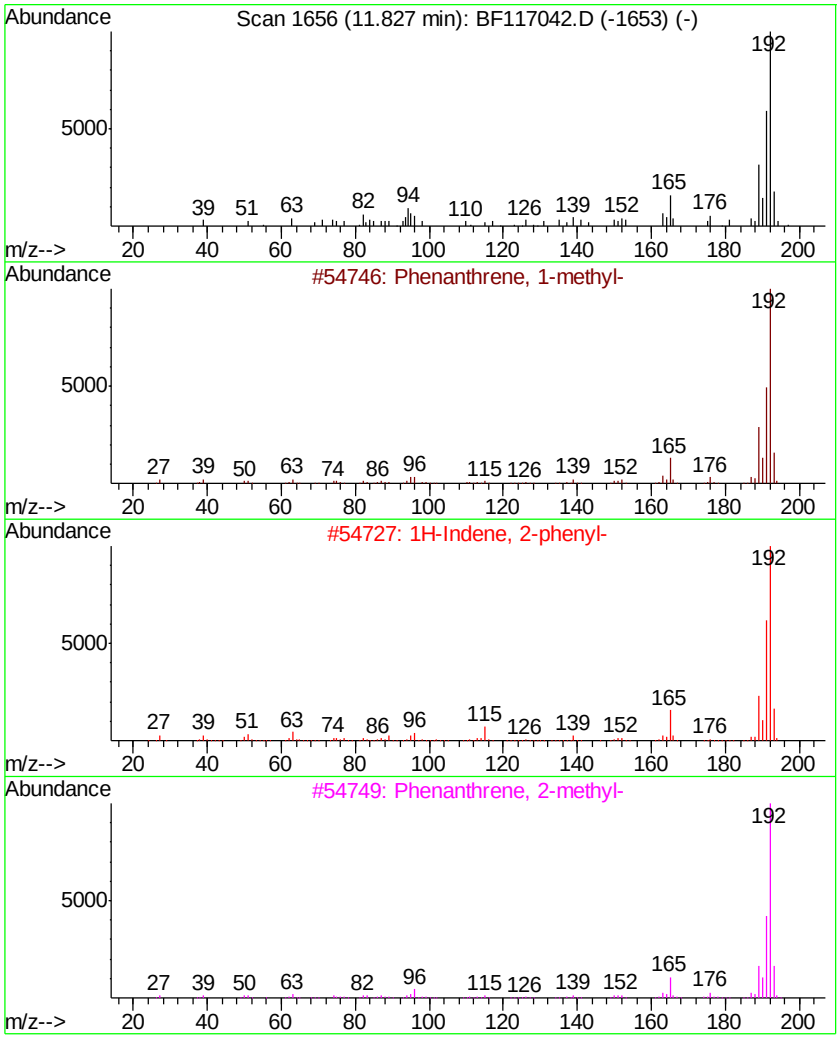
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

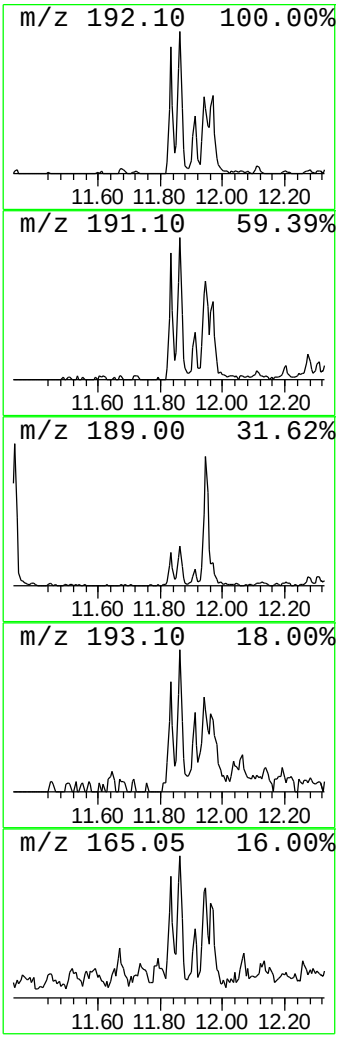
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.94 ng	77688	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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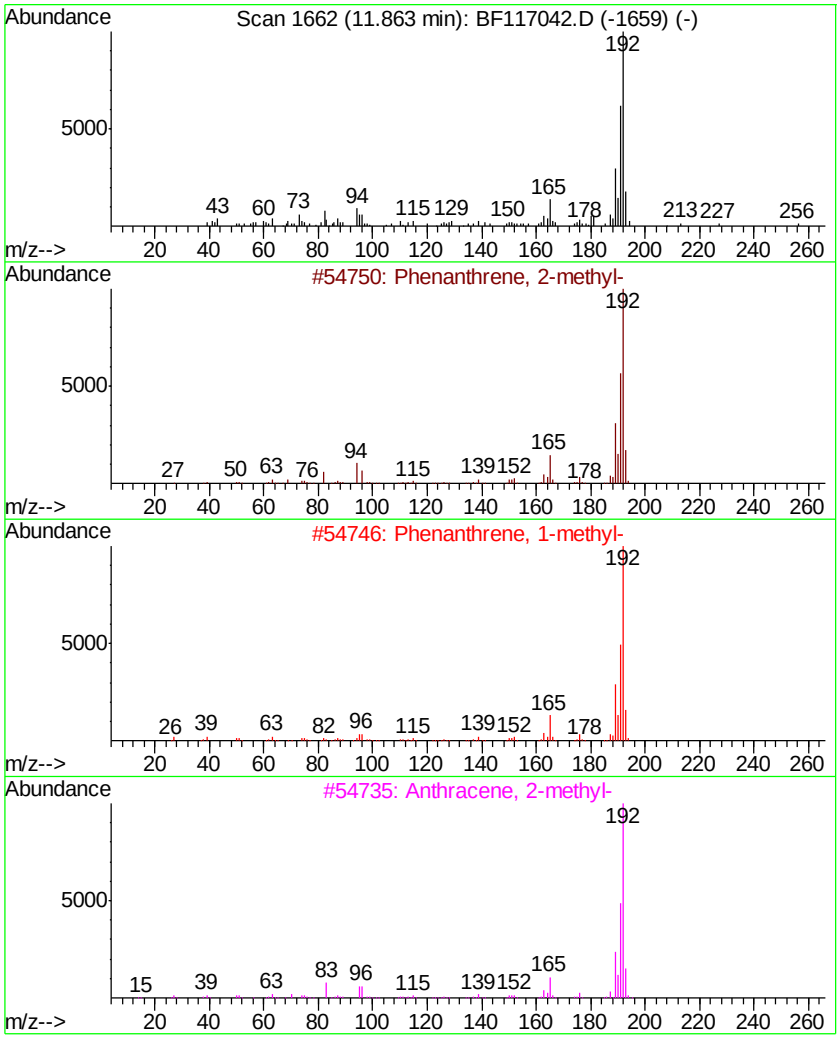
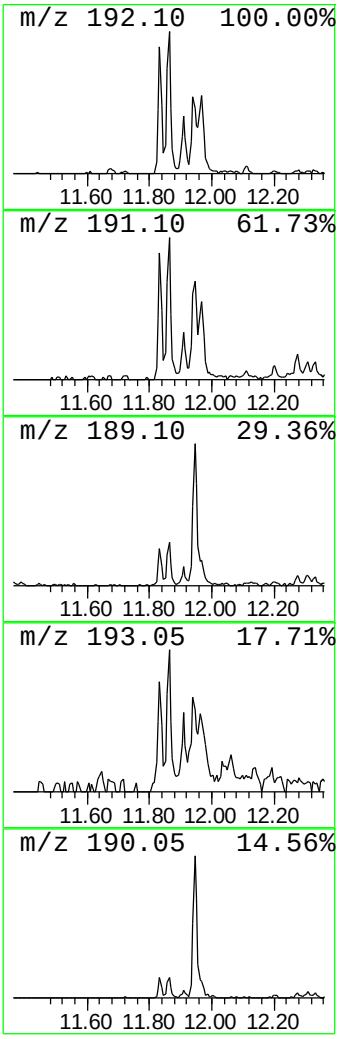
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.66 ng	149531	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : HP/JU
Sample : K4668-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-091219

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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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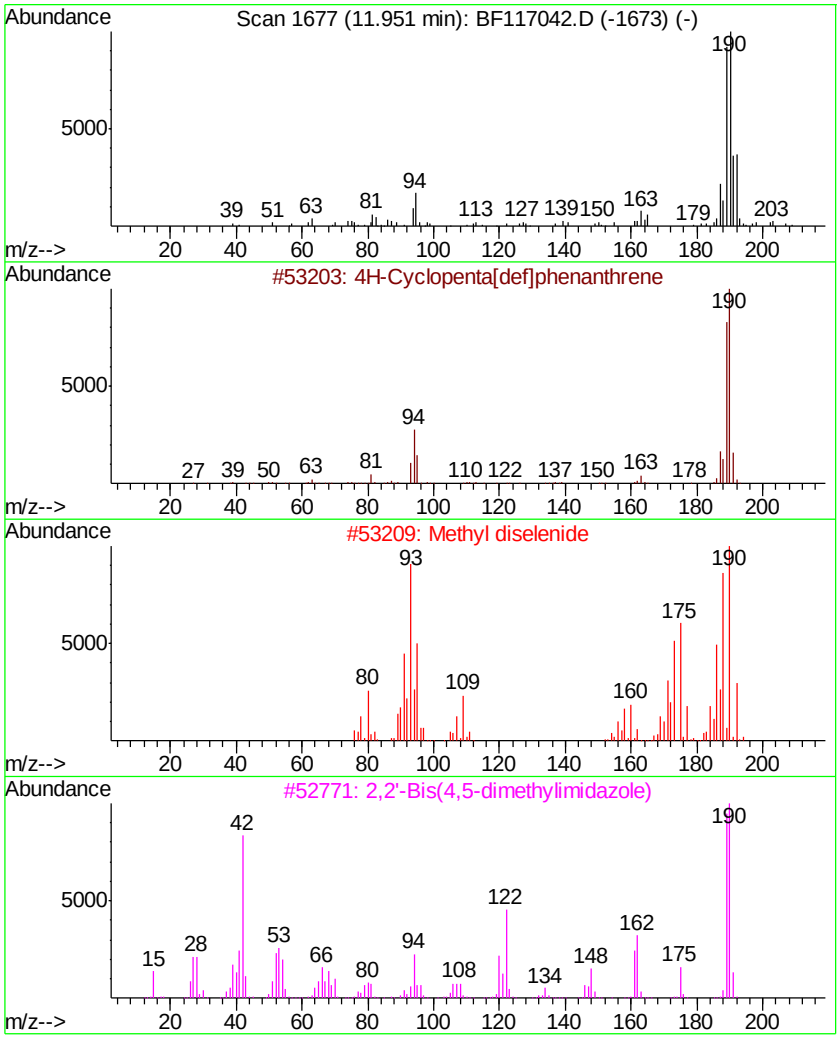
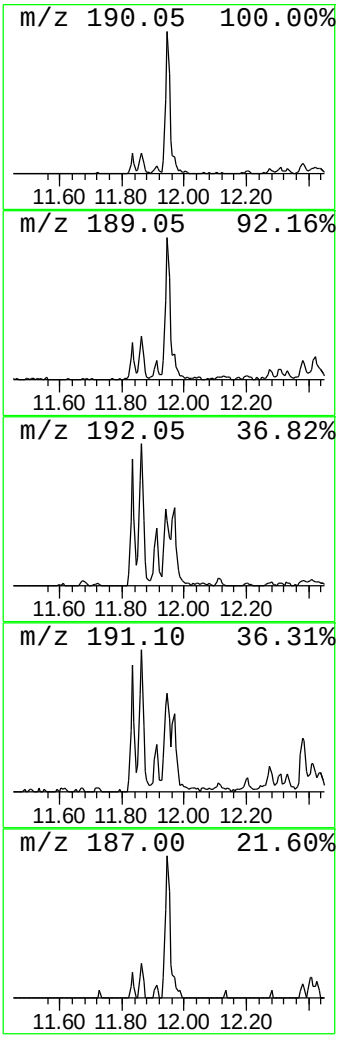
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.77 ng	152311	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	28
5	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	25





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ClientSampleId : SU-02-091219

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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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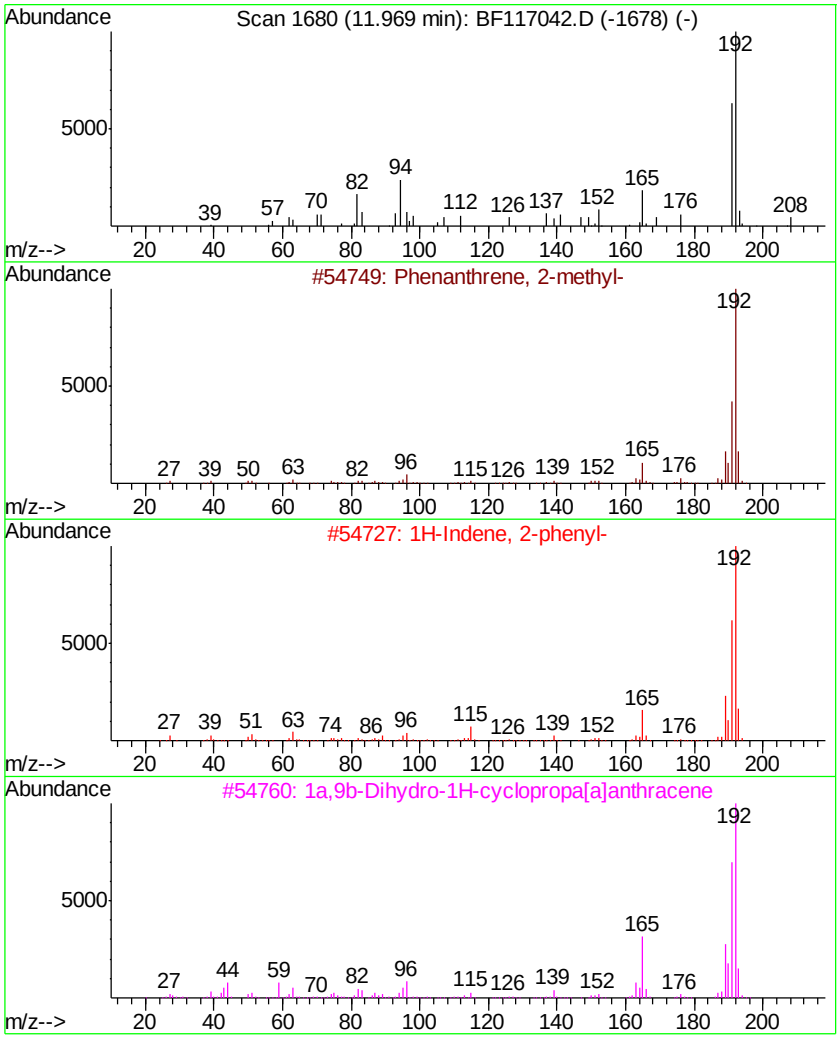
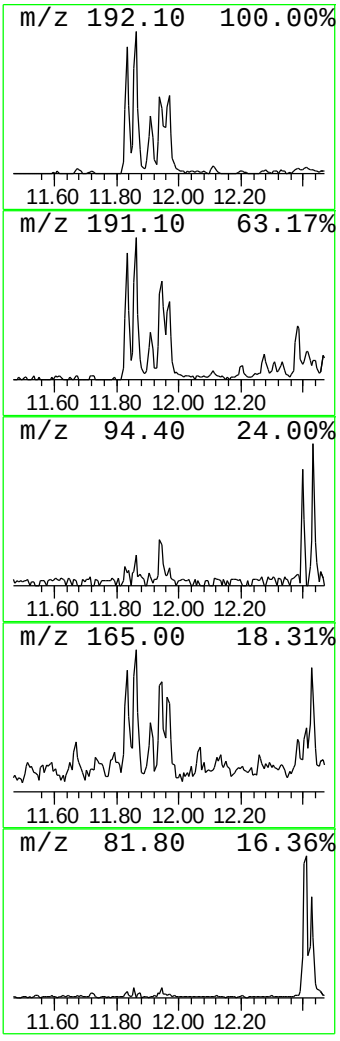
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.15 ng	56843	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64





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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId : SU-02-091219

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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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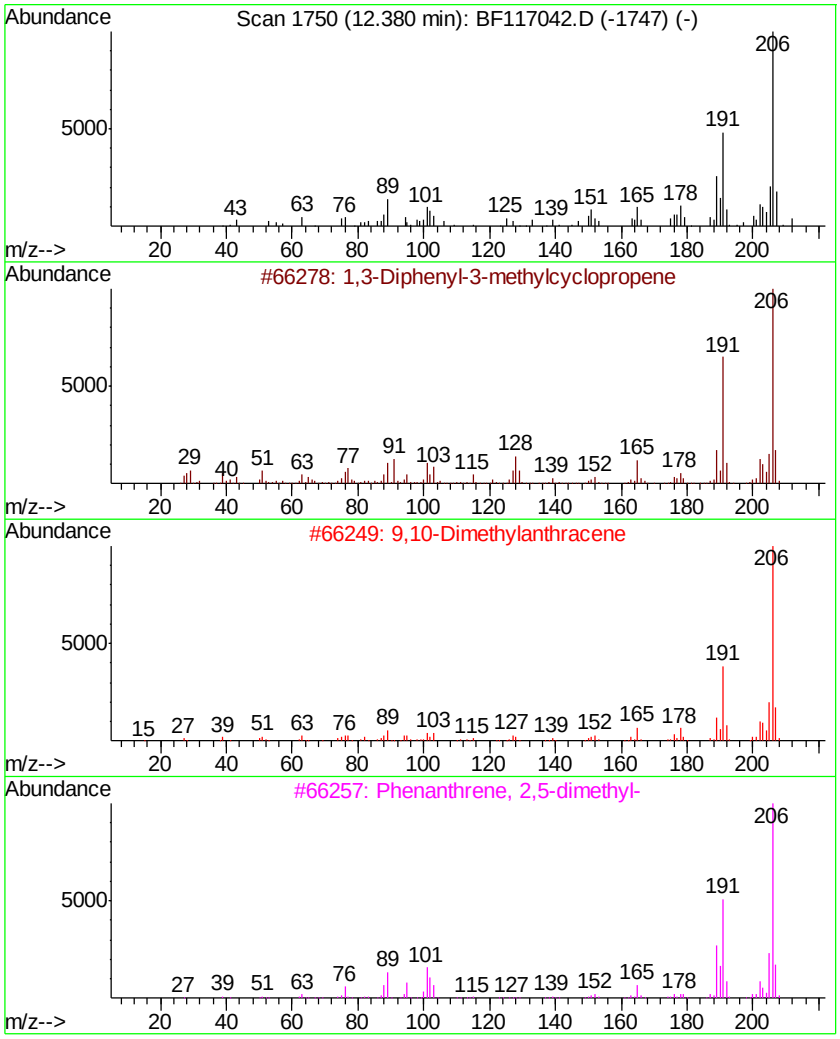
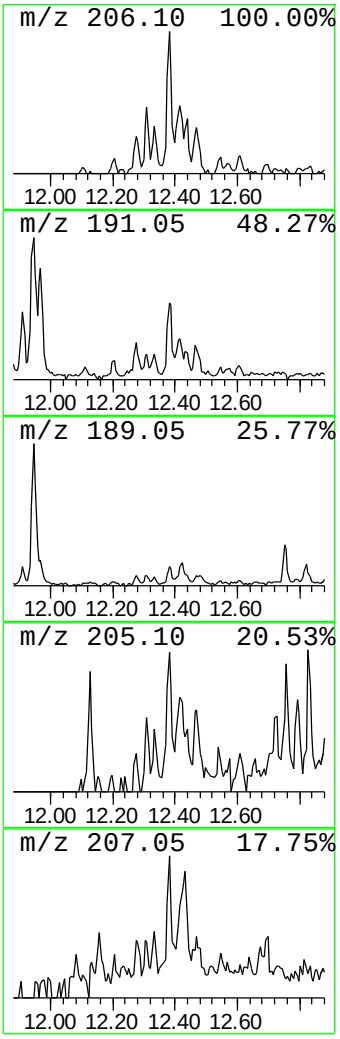
Peak Number 10 1,3-Diphenyl-3-methylcyclop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.54 ng	67011	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId : SU-02-091219

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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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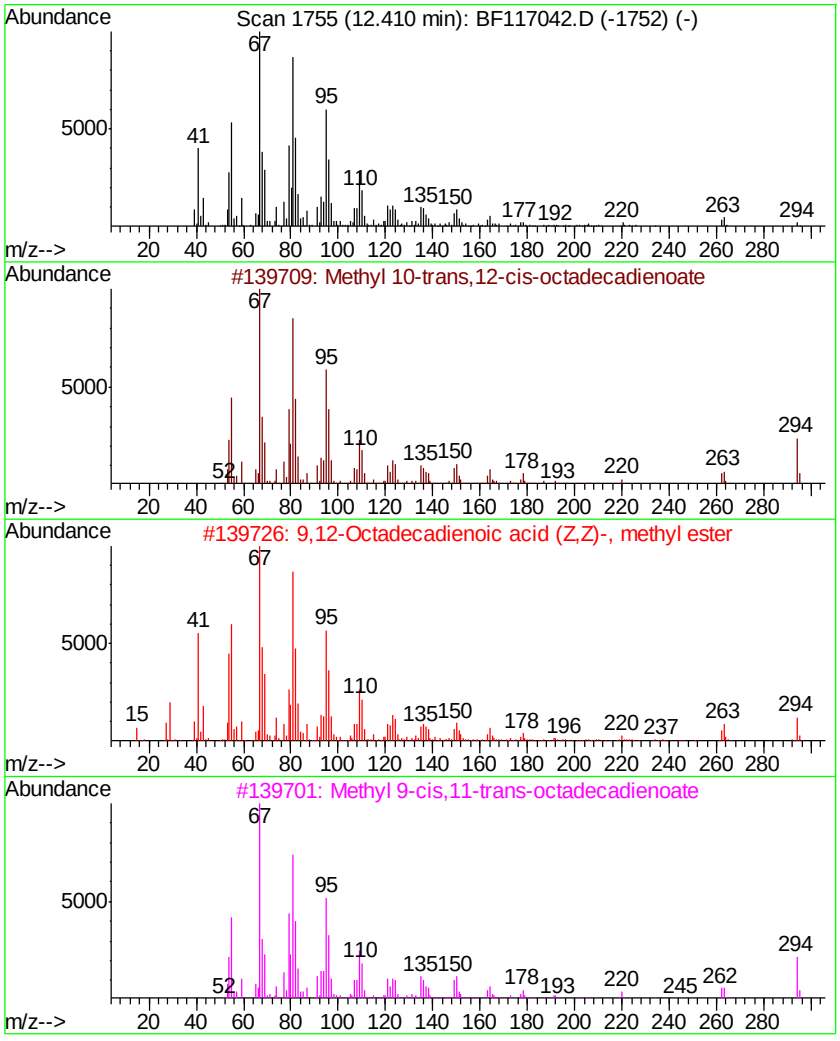
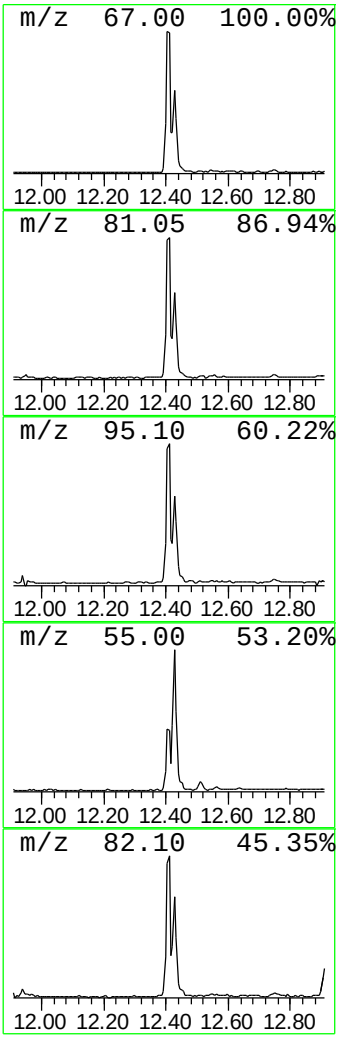
Peak Number 11 Methyl 10-trans,12-cis-octa... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	33.55 ng	885878	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	97





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-091219

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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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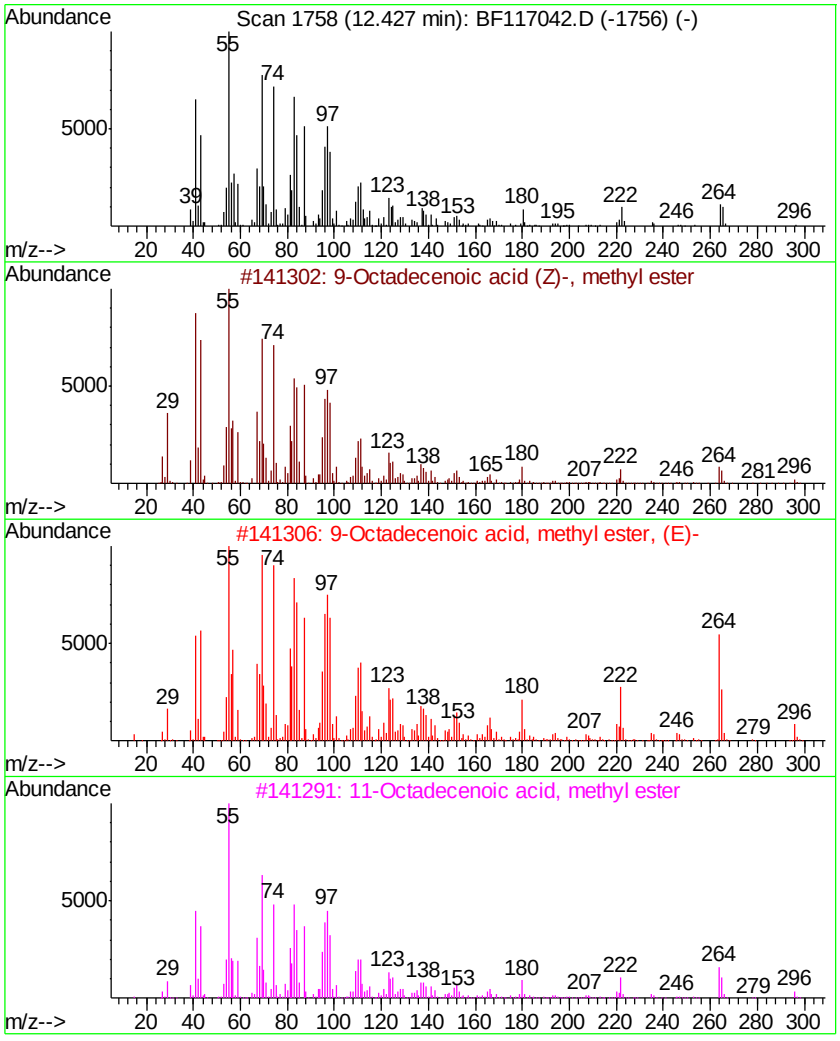
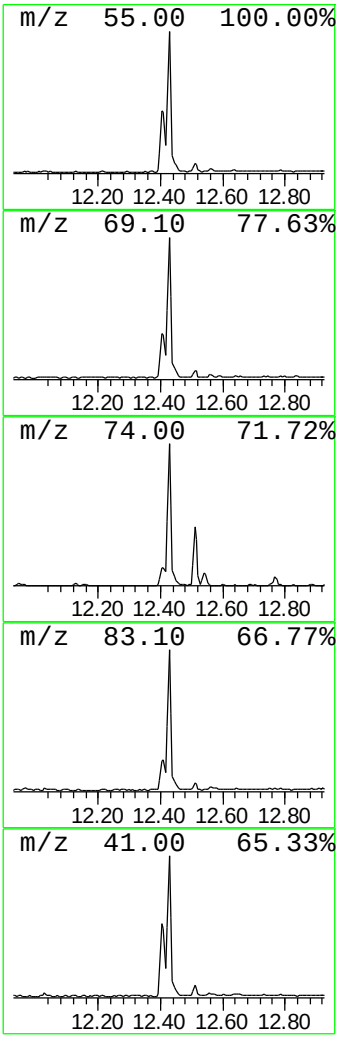
Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	49.72 ng	1312740	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	91
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	83
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	76





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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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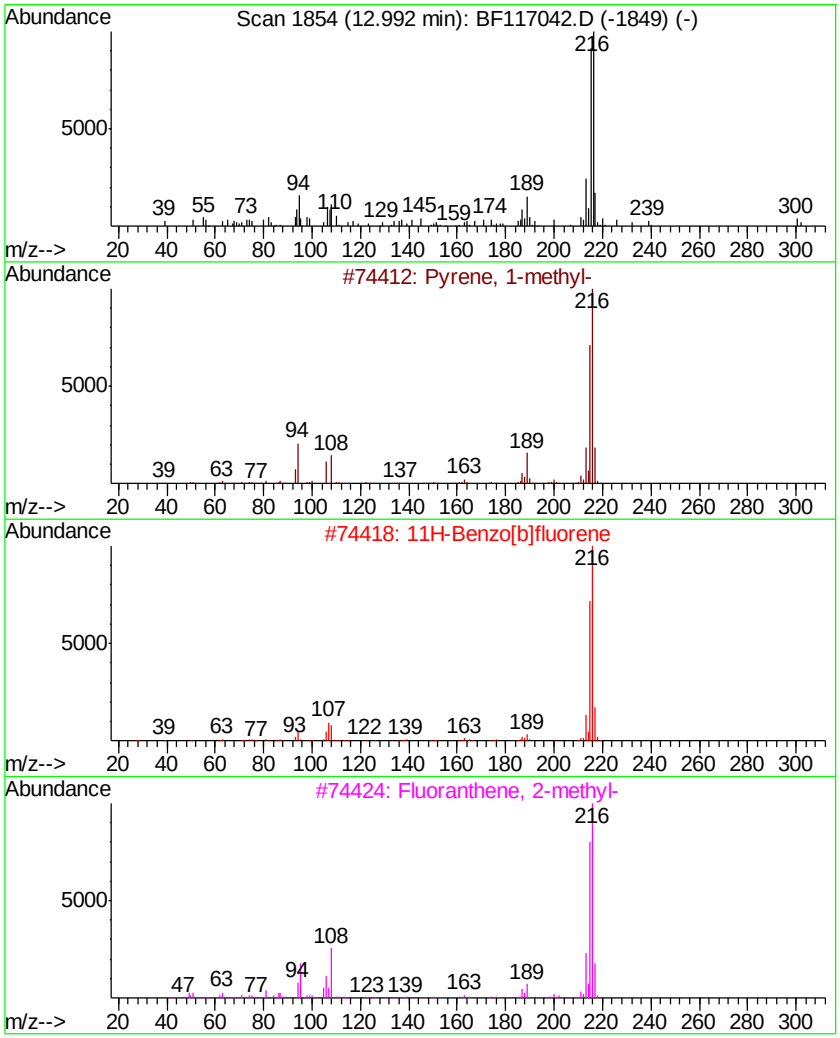
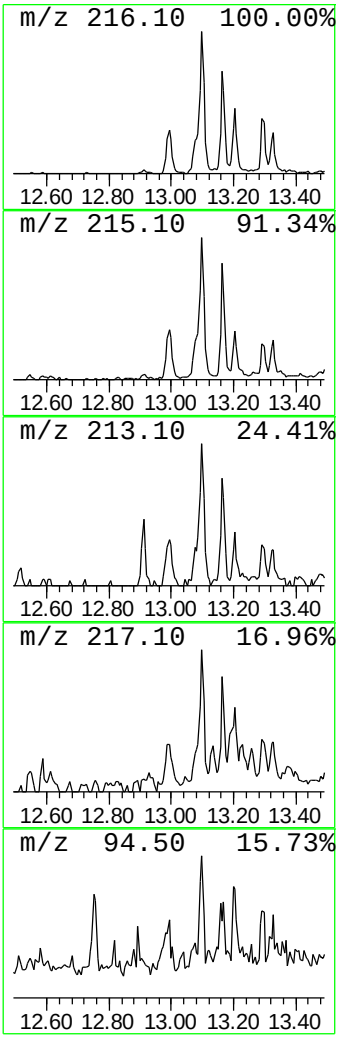
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.44 ng	89500	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Misc :
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ClientSampleId : SU-02-091219

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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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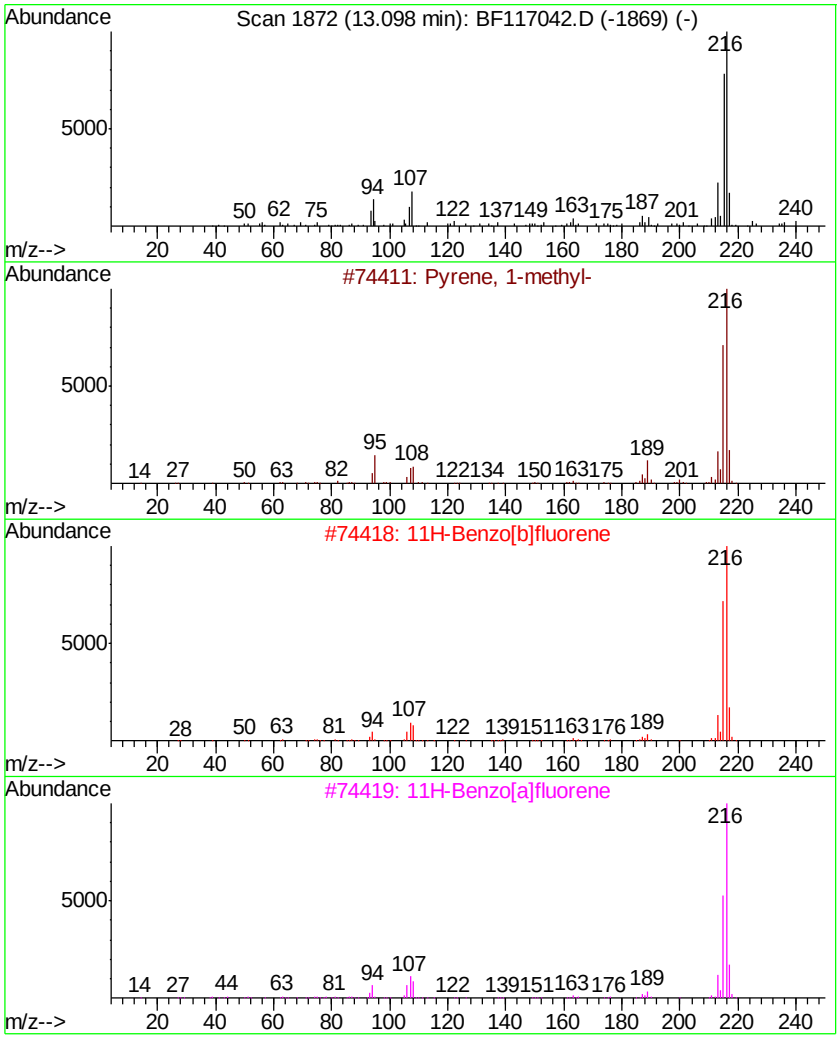
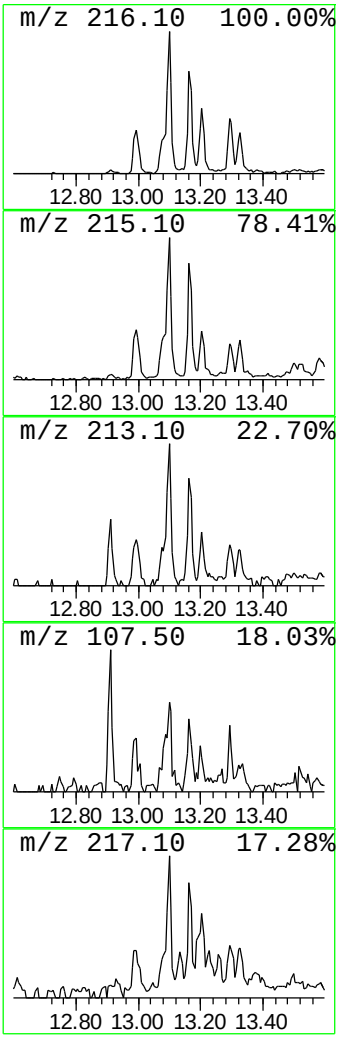
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.41 ng	125055	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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ClientSampleId : SU-02-091219

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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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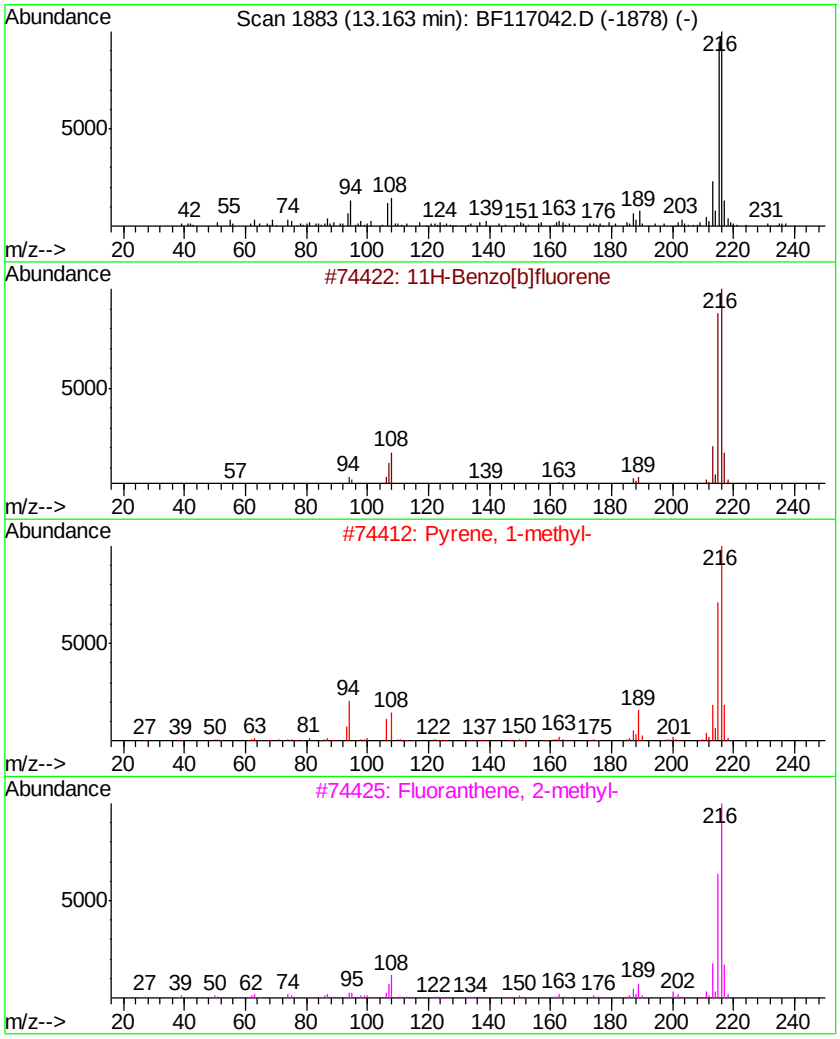
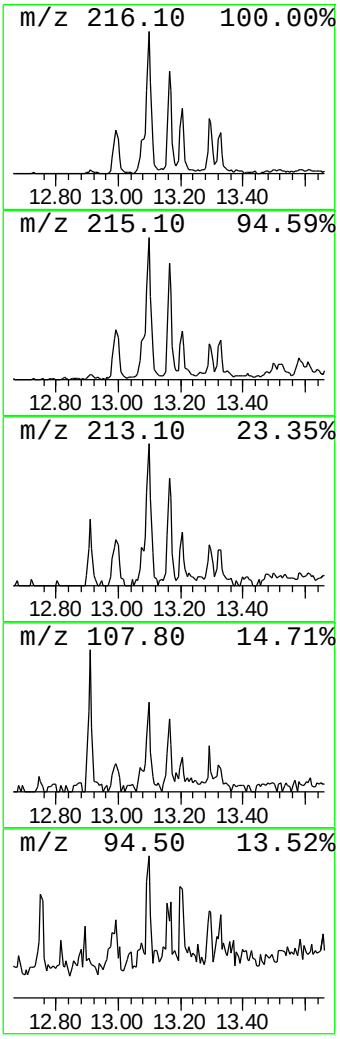
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.24 ng	118972	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	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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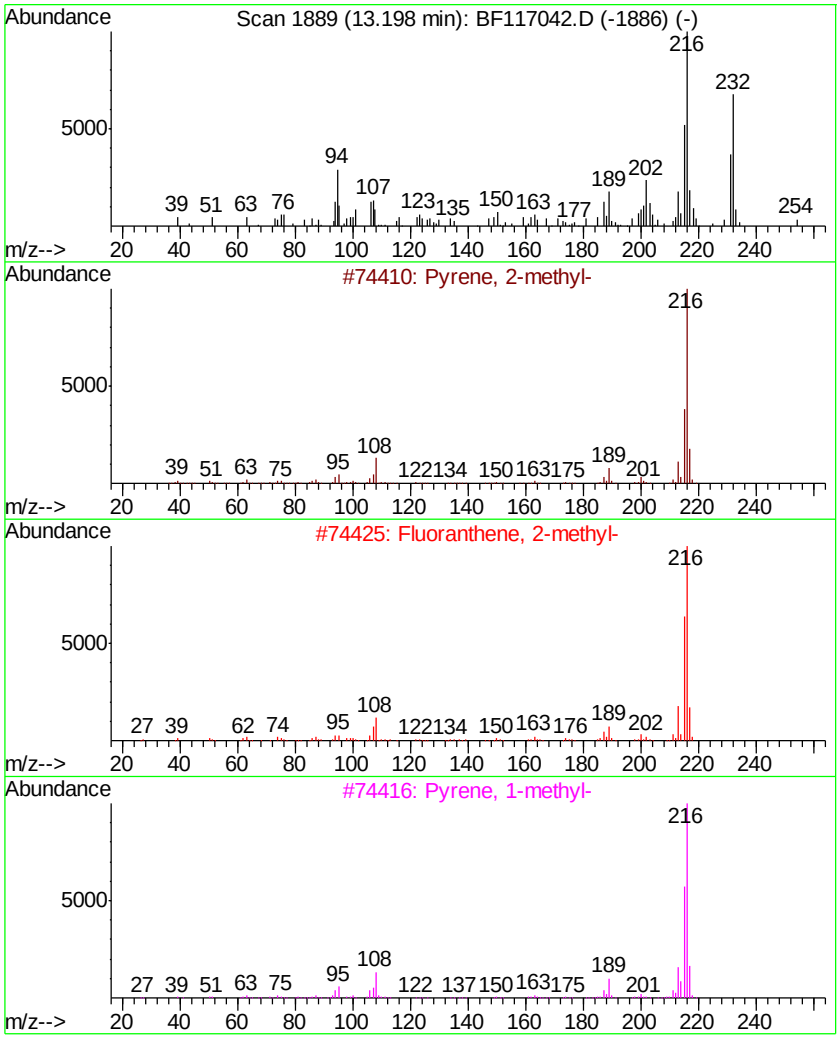
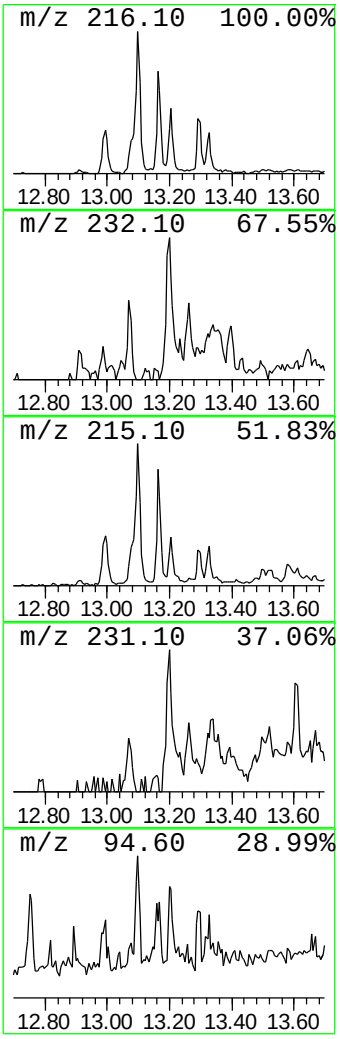
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.09 ng	76587	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58





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Instrument : BNA_F
ClientSampleId : SU-02-091219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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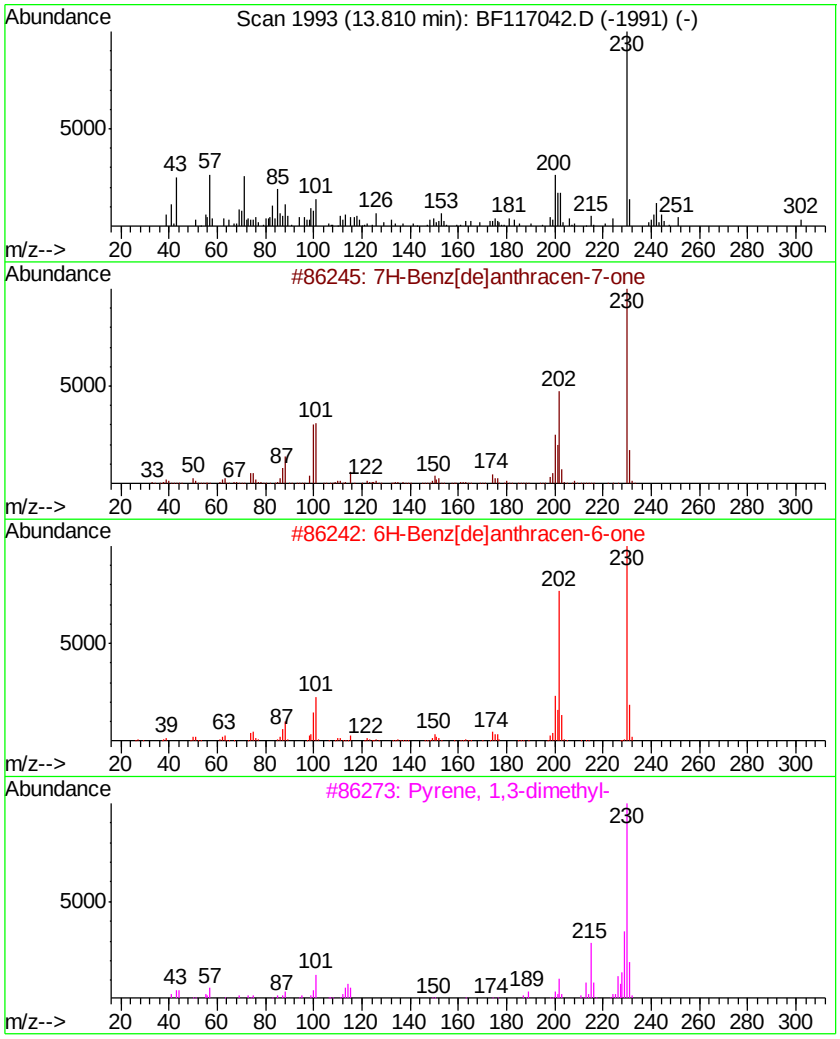
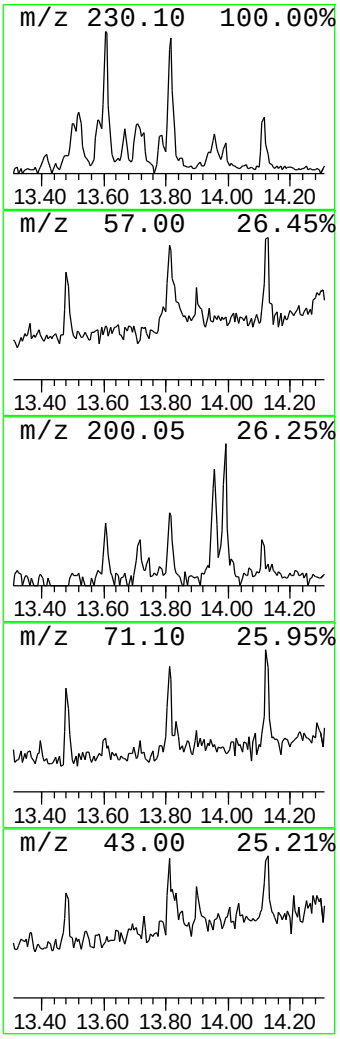
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	2.45 ng	89967	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
4	p-Terphenyl	230	C18H14	000092-94-4	49
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	47





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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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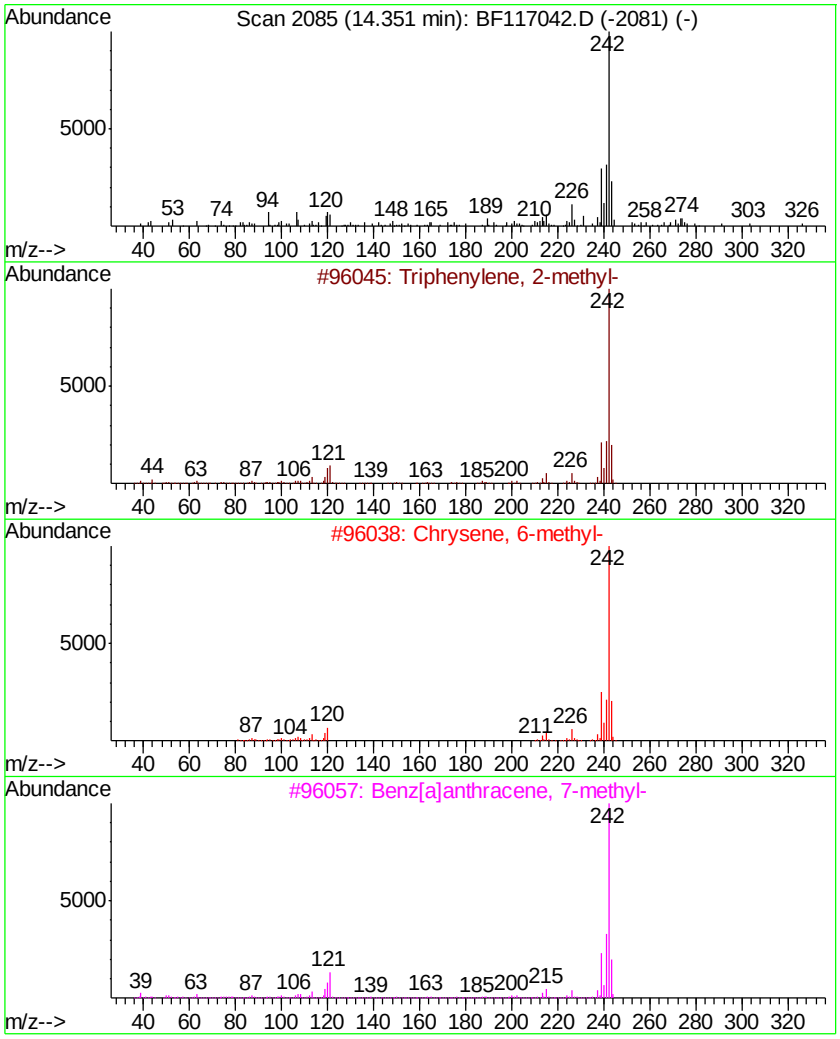
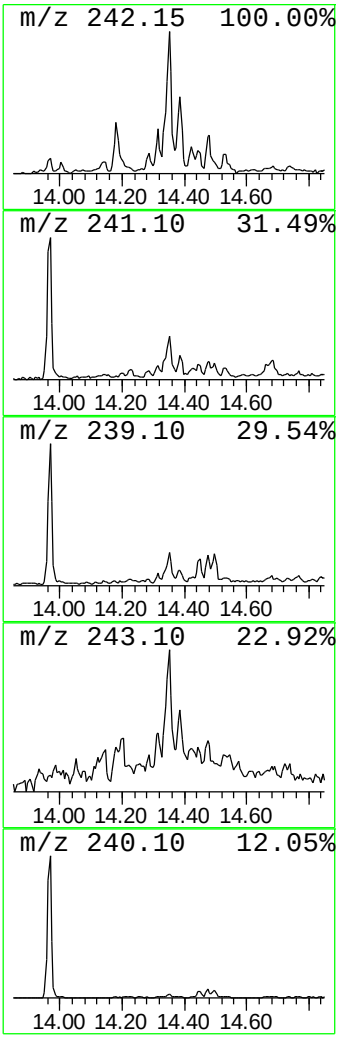
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.45 ng	89722	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89





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Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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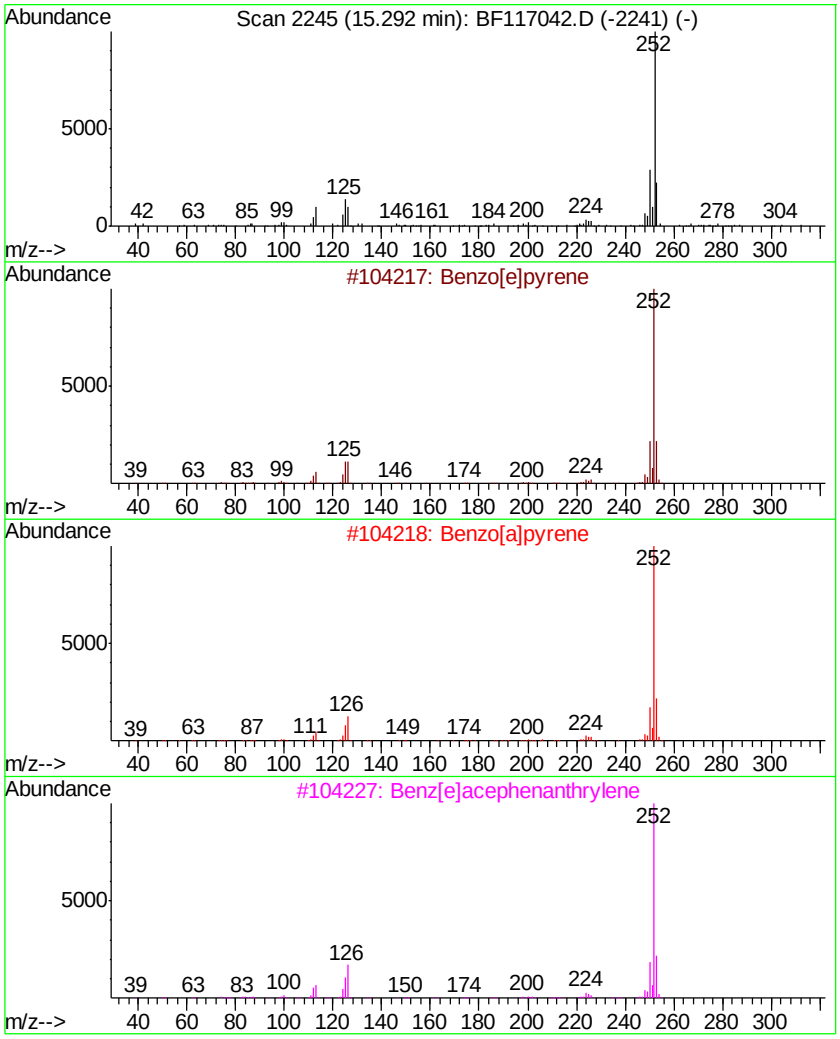
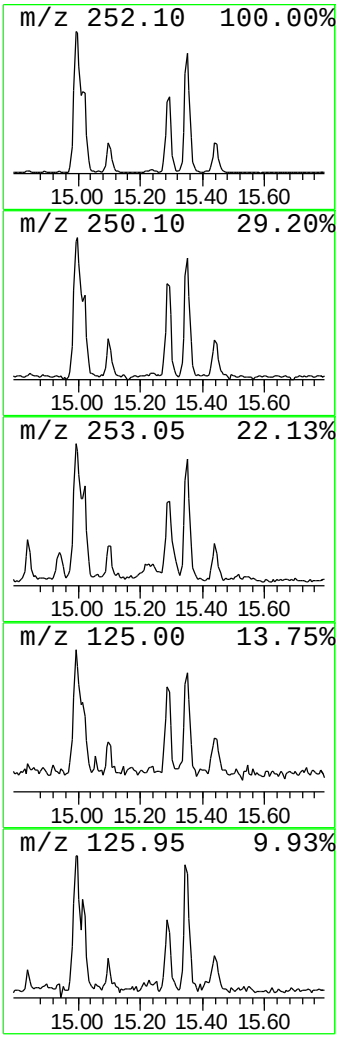
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	7.10 ng	156214	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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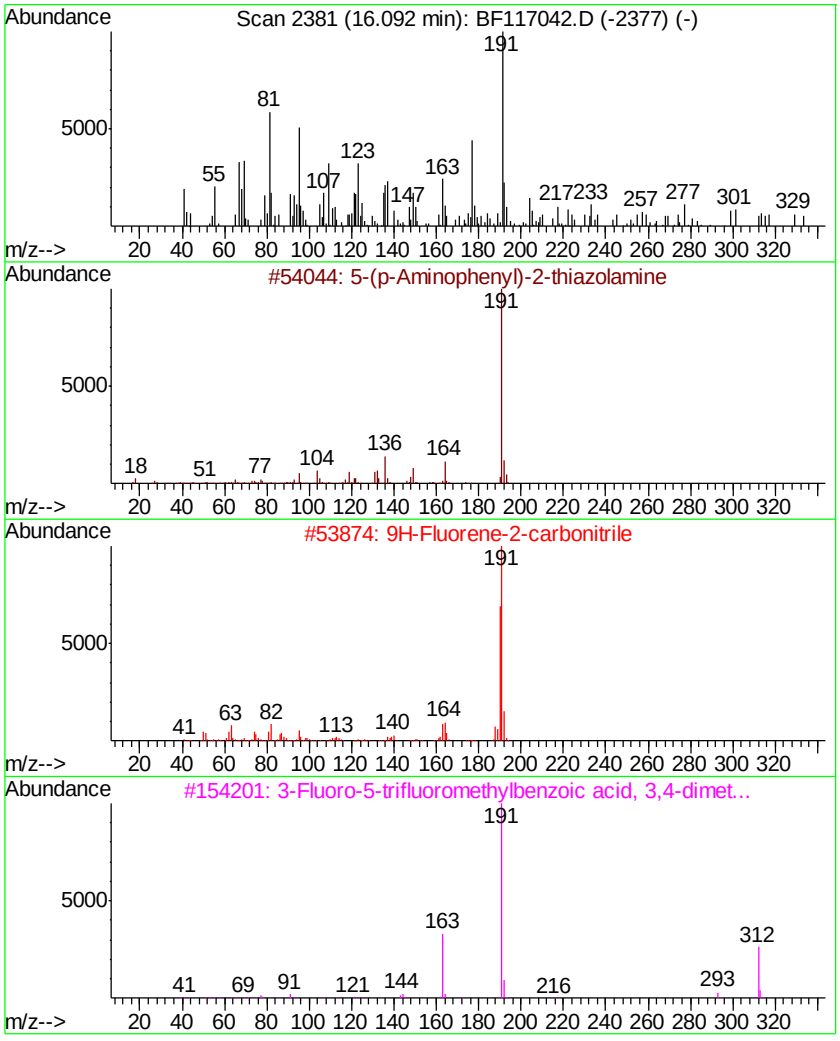
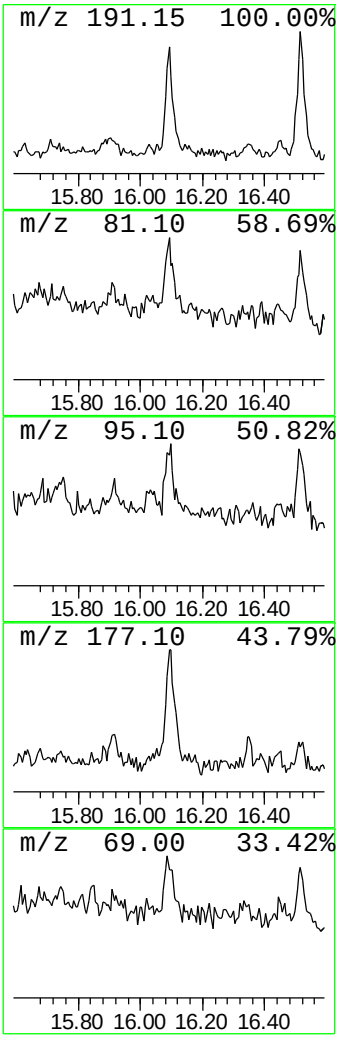
Peak Number 20 unknown16.09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	7.96 ng	175308	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
2	9H-Fluorene-2-carbonitrile	191	C14H9N	002523-48-0	27
3	3-Fluoro-5-trifluoromethylbenzoi...	312	C16H12F4O2	1000357-34-2	25
4	2-Fluoro-3-trifluoromethylbenzoi...	236	C10H8F4O2	1000338-71-6	22
5	4-Fluoro-2-trifluoromethylbenzoi...	278	C13H14F4O2	1000357-65-8	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-091219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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
unknown6.59	6.59	39.8	ng	844101	1	6.82	423693	20.0
unknown10.76	10.76	2.4	ng	63893	4	11.33	528053	20.0
9H-Carbazole, 9-n...	11.56	2.4	ng	63877	4	11.33	528053	20.0
Pentadecanoic aci...	11.72	12.2	ng	321791	4	11.33	528053	20.0
1H-Indene, 2-phenyl-	11.83	2.9	ng	77688	4	11.33	528053	20.0
Phenanthrene, 1-m...	11.86	5.7	ng	149531	4	11.33	528053	20.0
4H-Cyclopenta[def...	11.95	5.8	ng	152311	4	11.33	528053	20.0
Phenanthrene, 2-m...	11.97	2.1	ng	56843	4	11.33	528053	20.0
1,3-Diphenyl-3-me...	12.38	2.5	ng	67011	4	11.33	528053	20.0
Methyl 10-trans,1...	12.41	33.5	ng	885878	4	11.33	528053	20.0
9-Octadecenoic ac...	12.43	49.7	ng	1312740	4	11.33	528053	20.0
Pyrene, 1-methyl-	12.99	2.4	ng	89500	5	13.97	733316	20.0
Fluoranthene, 2-m...	13.10	3.4	ng	125055	5	13.97	733316	20.0
11H-Benzo[b]fluorene	13.16	3.2	ng	118972	5	13.97	733316	20.0
Pyrene, 2-methyl-	13.20	2.1	ng	76587	5	13.97	733316	20.0
7H-Benz[de]anthra...	13.81	2.5	ng	89967	5	13.97	733316	20.0
Triphenylene, 2-m...	14.35	2.5	ng	89722	5	13.97	733316	20.0
Benzo[e]pyrene	15.29	7.1	ng	156214	6	15.41	440231	20.0
unknown16.09	16.09	8.0	ng	175308	6	15.41	440231	20.0