LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF116057.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	572	575	589	rBV	374966	535150	17.78%	1.458%
2	6.486	744	748	767	rBV	335466	599765	19.93%	1.634%
3	6.622	767	771	785	rVB	581796	653188	21.70%	1.779%
4	6.839	805	808	825	rVB	713112	695079	23.09%	1.894%
5	6.998	832	835	850	rVB	584449	526837	17.50%	1.435%
6	7.404	901	904	917	rBV	281720	360364	11.97%	0.982%
7	8.122	1023	1026	1050	rVB	898405	966343	32.11%	2.633%
8	8.839	1145	1148	1156	rBV	37777	41550	1.38%	0.113%
9	8.939	1161	1165	1172	rBV	47384	56145	1.87%	0.153%
10	9.192	1205	1208	1220	rBV	729670	752944	25.02%	2.051%
11	9.469	1250	1255	1261	rBV	25218	41715	1.39%	0.114%
12	9.539	1263	1267	1269	rVV	56634	60311	2.00%	0.164%
13	9.592	1273	1276	1282	rVV	105532	118767	3.95%	0.324%
14	9.657	1283	1287	1292	rVB	30375	41617	1.38%	0.113%
15	9.739	1298	1301	1304	rBV	84984	76892	2.55%	0.209%
16	9.874	1318	1324	1327	rBV	1110663	996484	33.11%	2.715%
17	9.910	1327	1330	1336	rVB	230290	225468	7.49%	0.614%
18	10.033	1347	1351	1355	rBV2	30411	34138	1.13%	0.093%
19	10.080	1355	1359	1363	rVV2	109871	125777	4.18%	0.343%
20	10.121	1363	1366	1370	rVB	29428	33416	1.11%	0.091%
21	10.192	1375	1378	1381	rBV	30582	37680	1.25%	0.103%
22	10.286	1390	1394	1395	rBV2	36155	42430	1.41%	0.116%
23	10.421	1414	1417	1423	rBV	196926	200436	6.66%	0.546%
24	10.580	1442	1444	1448	rVB	71739	71122	2.36%	0.194%
25	10.669	1455	1459	1464	rBV	337393	393615	13.08%	1.072%
26	10.792	1475	1480	1486	rVB7	40646	70701	2.35%	0.193%
27	10.974	1506	1511	1513	rBV3	57271	78464	2.61%	0.214%
28	10.998	1513	1515	1518	rVB2	39061	35099	1.17%	0.096%
29	11.098	1527	1532	1534	rBV3	54462	73107	2.43%	0.199%
30	11.121	1534	1536	1542	rVV2	61785	76009	2.53%	0.207%
31	11.174	1542	1545	1549	rVV	107321	116067	3.86%	0.316%
32	11.216	1549	1552	1557	rVV3	70749	114627	3.81%	0.312%
33	11.257	1557	1559	1565	rVB	130474	141409	4.70%	0.385%
34	11.363	1573	1577	1579	rBV	910392	890498	29.59%	2.426%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.386	1579	1581	1585	rVV	2288777	2049573	68.10%	5.584%
36	11.439	1587	1590	1593	rVV	544399	488297	16.22%	1.330%
37	11.480	1594	1597	1602	rVB2	58283	79410	2.64%	0.216%
38	11.598	1613	1617	1624	rBV2	182367	252433	8.39%	0.688%
39	11.657	1624	1627	1631	rVV3	61002	67866	2.25%	0.185%
40	11.698	1631	1634	1639	rVV4	57841	91883	3.05%	0.250%
41	11.774	1645	1647	1651	rVB	41987	40826	1.36%	0.111%
42	11.821	1653	1655	1659	rVV2	33417	46732	1.55%	0.127%
43	11.863	1659	1662	1664	rVV	359273	327377	10.88%	0.892%
44	11.892	1664	1667	1672	rVV	605178	624655	20.75%	1.702%
45	11.939	1672	1675	1678	rVV	173216	177242	5.89%	0.483%
46	11.974	1678	1681	1684	rVV2	492487	581922	19.34%	1.585%
47	11.998	1684	1685	1690	rVB	271809	193864	6.44%	0.528%
48	12.045	1691	1693	1696	rBV3	38358	47874	1.59%	0.130%
49	12.098	1700	1702	1704	rBV	40613	33007	1.10%	0.090%
50	12.157	1709	1712	1715	rVV	242294	213648	7.10%	0.582%
51	12.192	1715	1718	1722	rVB	193646	184966	6.15%	0.504%
52	12.310	1735	1738	1741	rVB	78240	72765	2.42%	0.198%
53	12.339	1741	1743	1745	rBV	83763	61387	2.04%	0.167%
54	12.363	1745	1747	1751	rVB	66117	54407	1.81%	0.148%
55	12.415	1752	1756	1758	rBV	235645	240256	7.98%	0.655%
56	12.451	1759	1762	1764	rVV3	118644	160445	5.33%	0.437%
57	12.504	1768	1771	1775	rBV3	172181	209171	6.95%	0.570%
58	12.580	1780	1784	1787	rBV	2827748	2641919	87.78%	7.197%
59	12.639	1792	1794	1797	rVB	82953	72506	2.41%	0.198%
60	12.674	1797	1800	1803	rBV2	158937	179531	5.97%	0.489%
61	12.810	1817	1823	1826	rBV	2527282	2836121	94.23%	7.726%
62	12.857	1829	1831	1835	rVB2	135196	140857	4.68%	0.384%
63	12.939	1840	1845	1848	rBV2	591650	702080	23.33%	1.913%
64	12.968	1848	1850	1854	rVB	143301	140572	4.67%	0.383%
65	13.021	1855	1859	1863	rBV2	193962	320833	10.66%	0.874%
66	13.133	1876	1878	1881	rVB	336862	301358	10.01%	0.821%
67	13.204	1887	1890	1892	rVB	133601	119604	3.97%	0.326%
68	13.239	1892	1896	1900	rBV2	321535	387603	12.88%	1.056%
69	13.333	1909	1912	1914	rBV	183960	158672	5.27%	0.432%
70	13.362	1914	1917	1920	rVV	203688	177254	5.89%	0.483%
71	13.645	1963	1965	1970	rVB	253446	242638	8.06%	0.661%

LSC Area Percent Report

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Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.757	1981	1984	1986	rBV	248689	245664	8.16%	0.669%
73	13.780	1986	1988	1990	rVB	240788	166042	5.52%	0.452%
74	13.809	1990	1993	1994	rBV	193237	180278	5.99%	0.491%
75	13.857	1999	2001	2005	rVB	338806	315688	10.49%	0.860%
76	13.998	2021	2025	2029	rBV2	1522657	2250627	74.78%	6.131%
77	14.033	2029	2031	2039	rVB	1463014	1288696	42.82%	3.511%
78	14.115	2042	2045	2047	rVB	182339	156367	5.20%	0.426%
79	14.392	2090	2092	2095	rVB	296079	246557	8.19%	0.672%
80	15.051	2200	2204	2219	rVB	1299459	3009672	100.00%	8.199%
81	15.156	2220	2222	2229	rVV	199569	260783	8.66%	0.710%
82	15.351	2252	2255	2261	rVB	725553	910276	30.25%	2.480%
83	15.415	2262	2266	2271	rBV	1071041	1383798	45.98%	3.770%
84	15.474	2273	2276	2279	rBV	580283	709827	23.58%	1.934%
85	16.950	2522	2527	2534	rVB	427197	867296	28.82%	2.363%
86	17.397	2598	2603	2614	rVB	331649	710682	23.61%	1.936%

Sum of corrected areas: 36707021

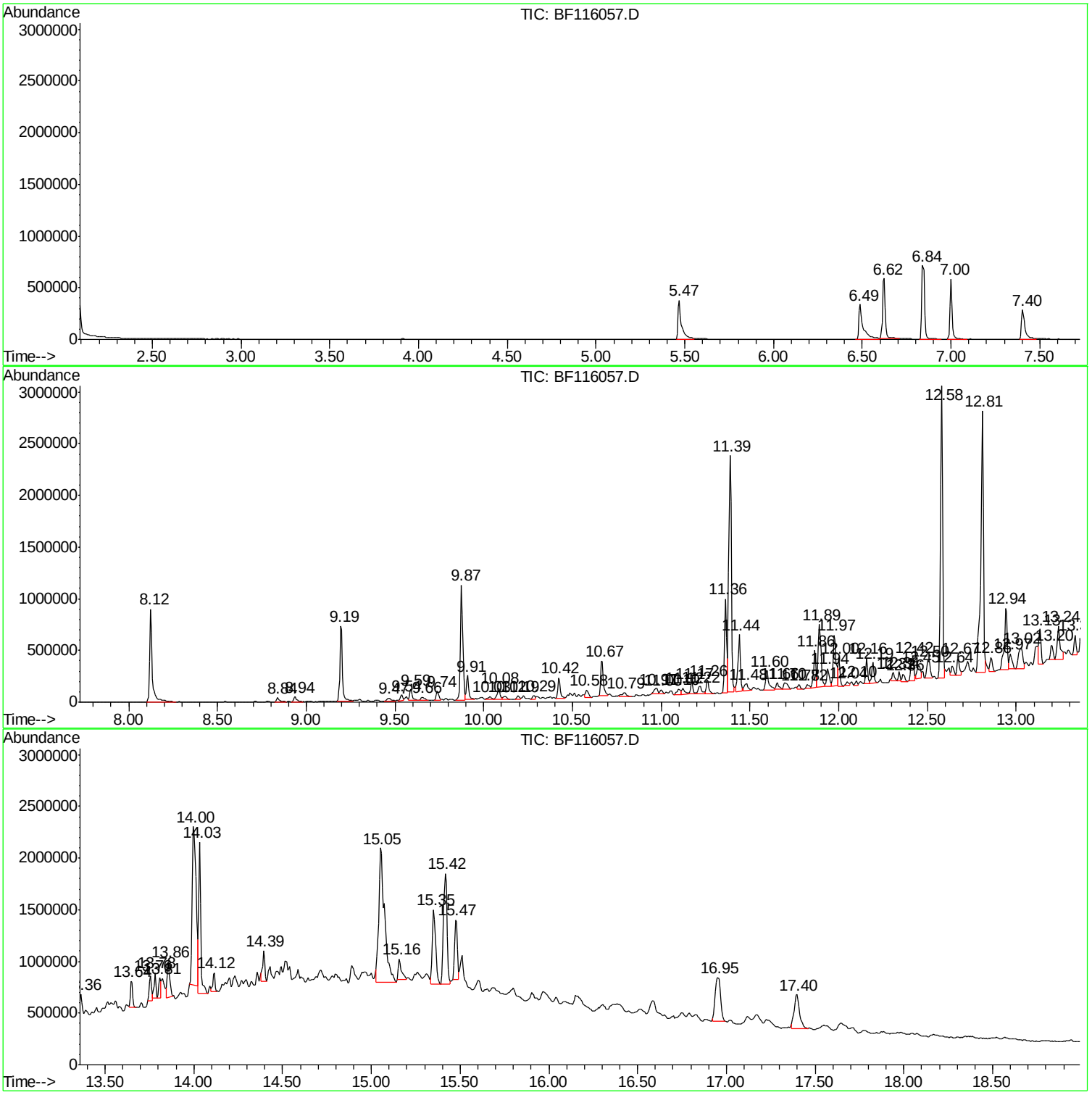
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

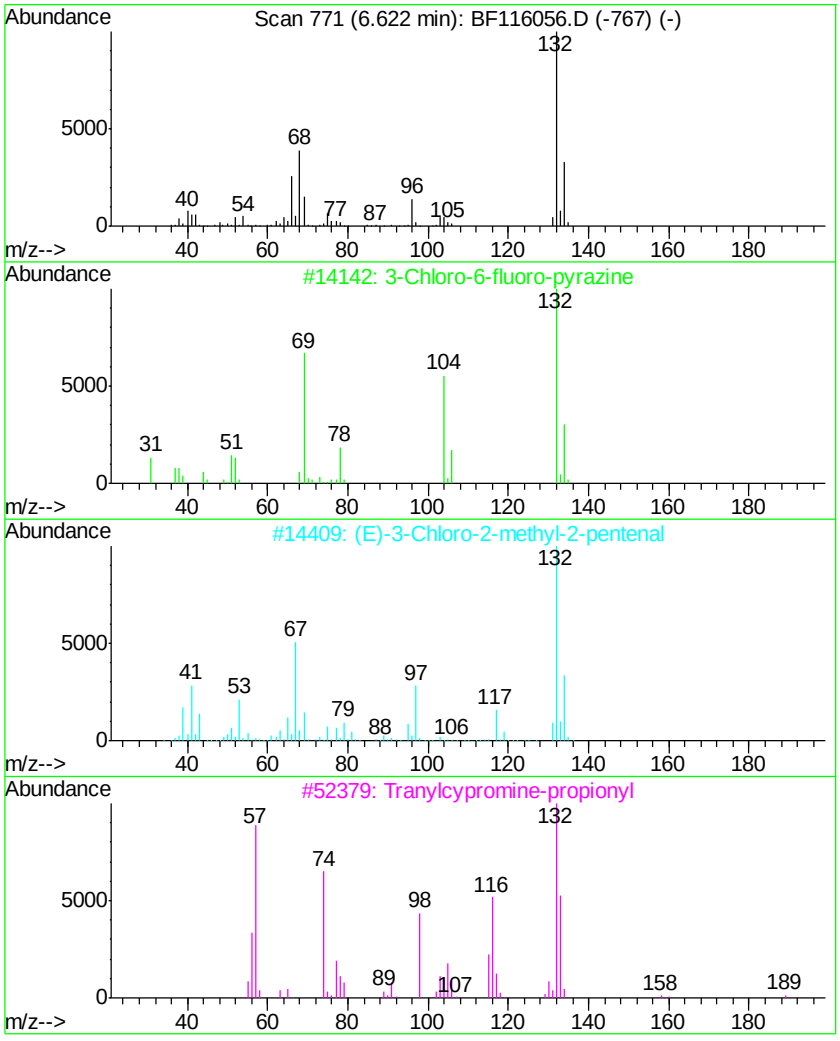
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

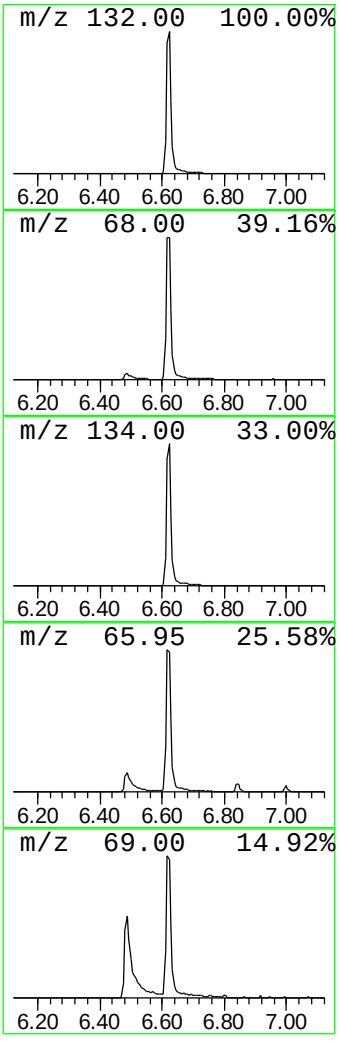
****

Peak Number 1 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	18.79 ng	653188	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

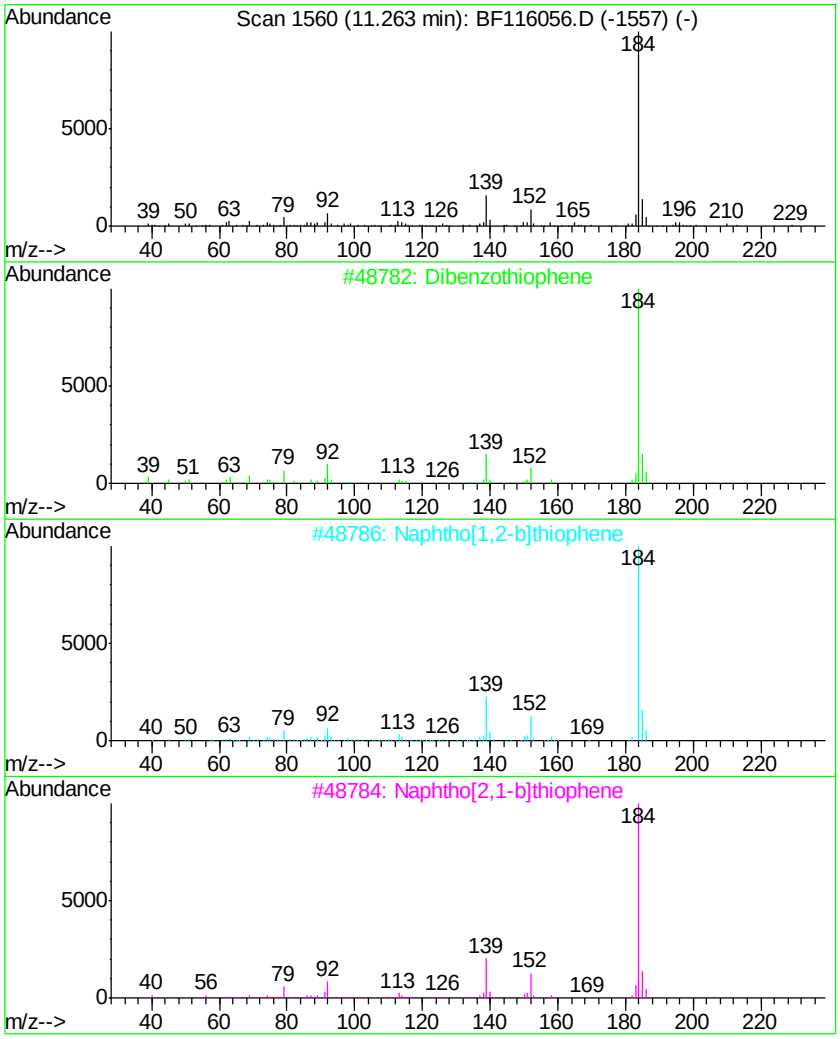
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

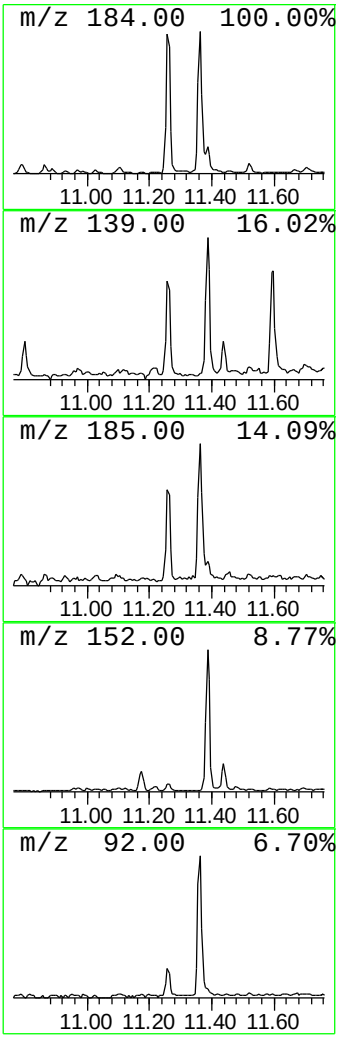
****

Peak Number 3 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.18 ng	141409	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

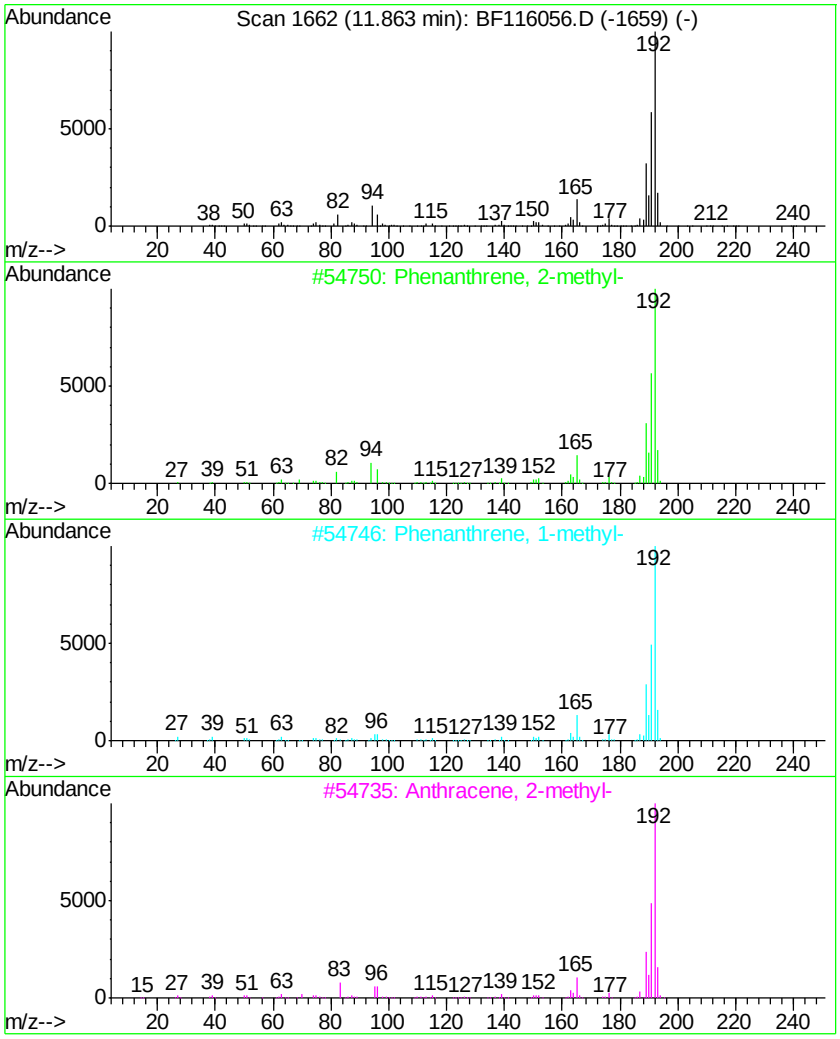
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

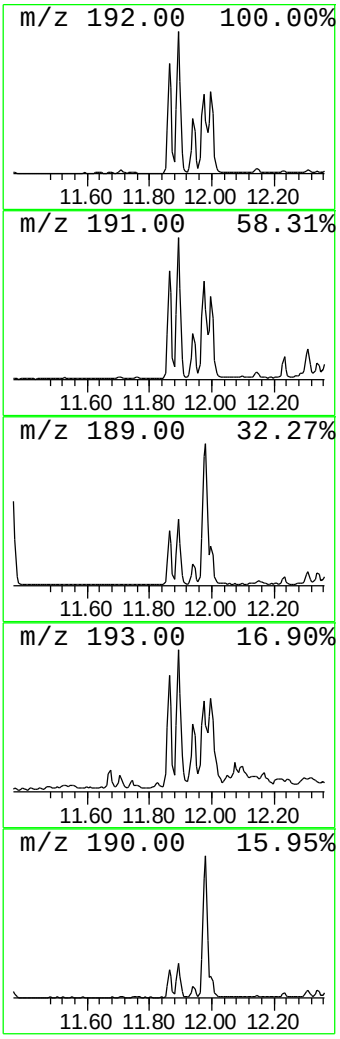
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	7.35 ng	327377	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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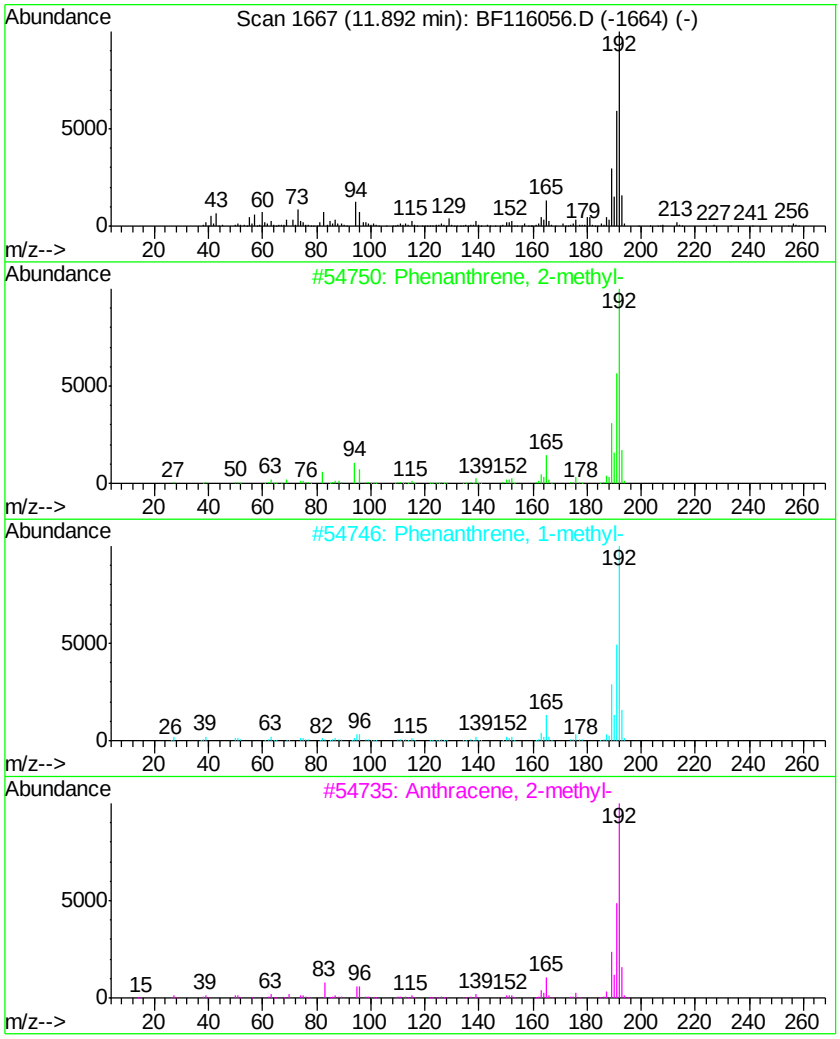
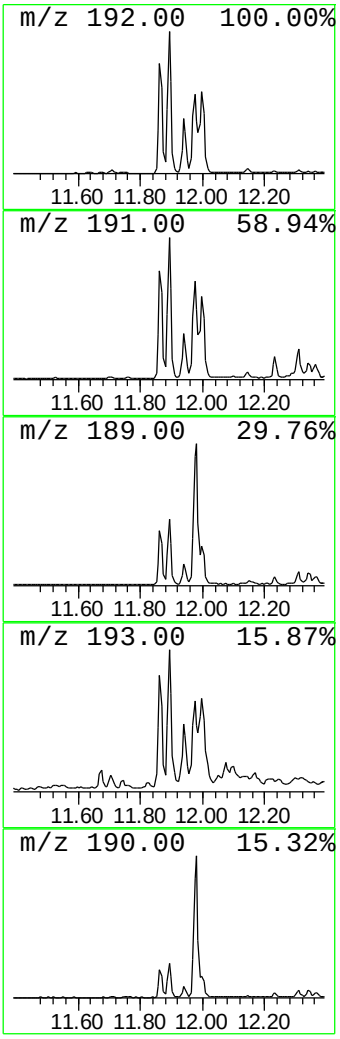
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	14.03 ng	624655	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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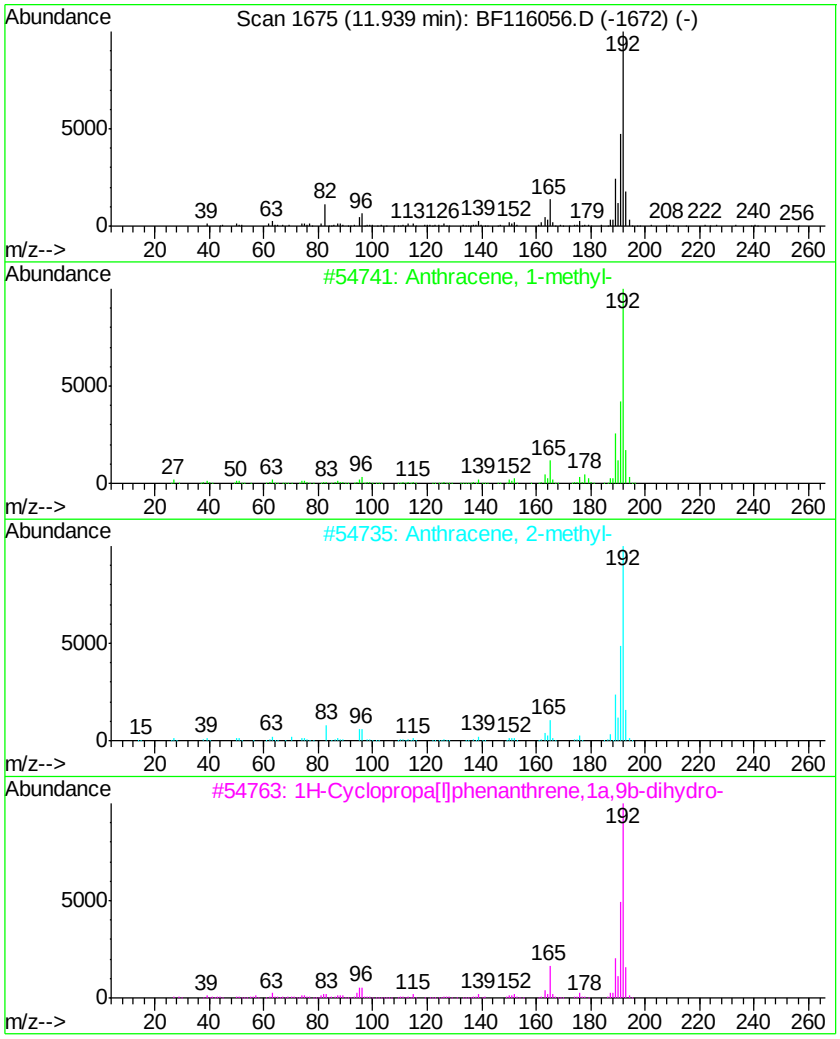
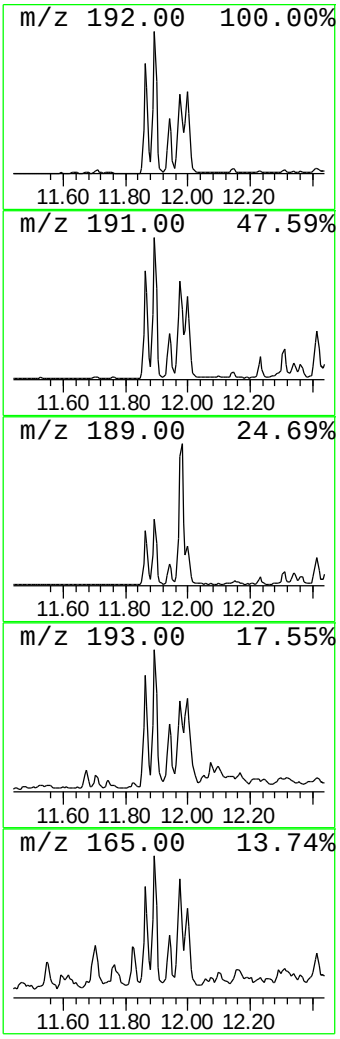
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.98 ng	177242	Phenanthrene-d10	11.36

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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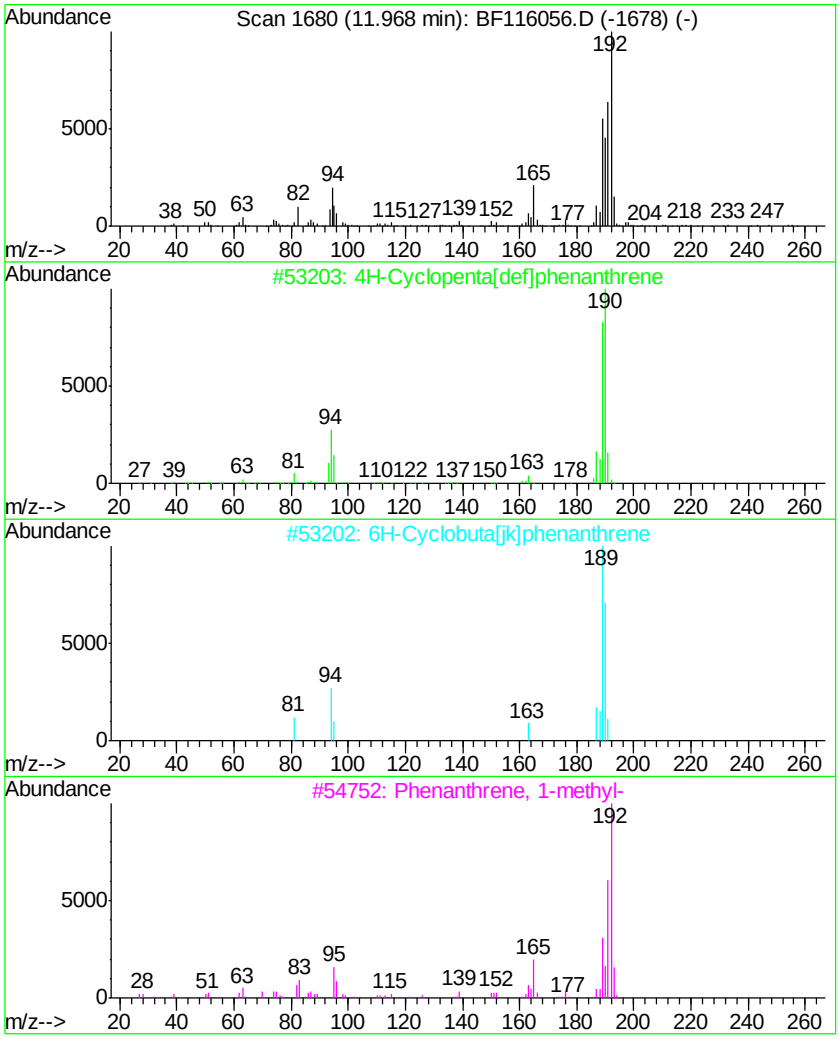
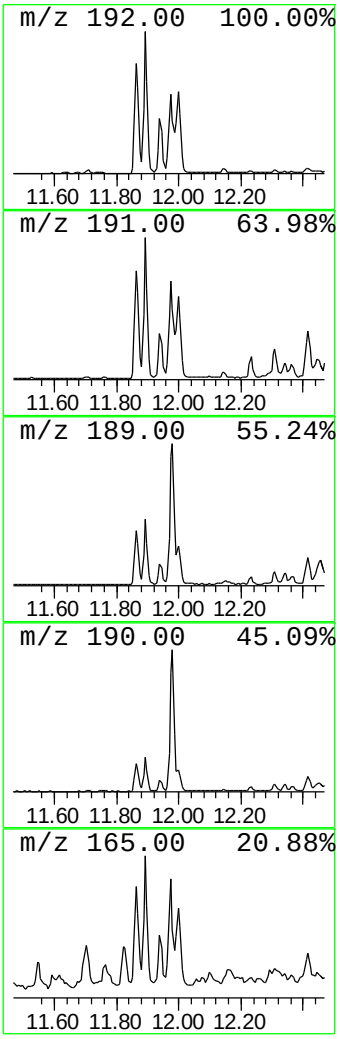
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	13.07 ng	581922	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42





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Misc :
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Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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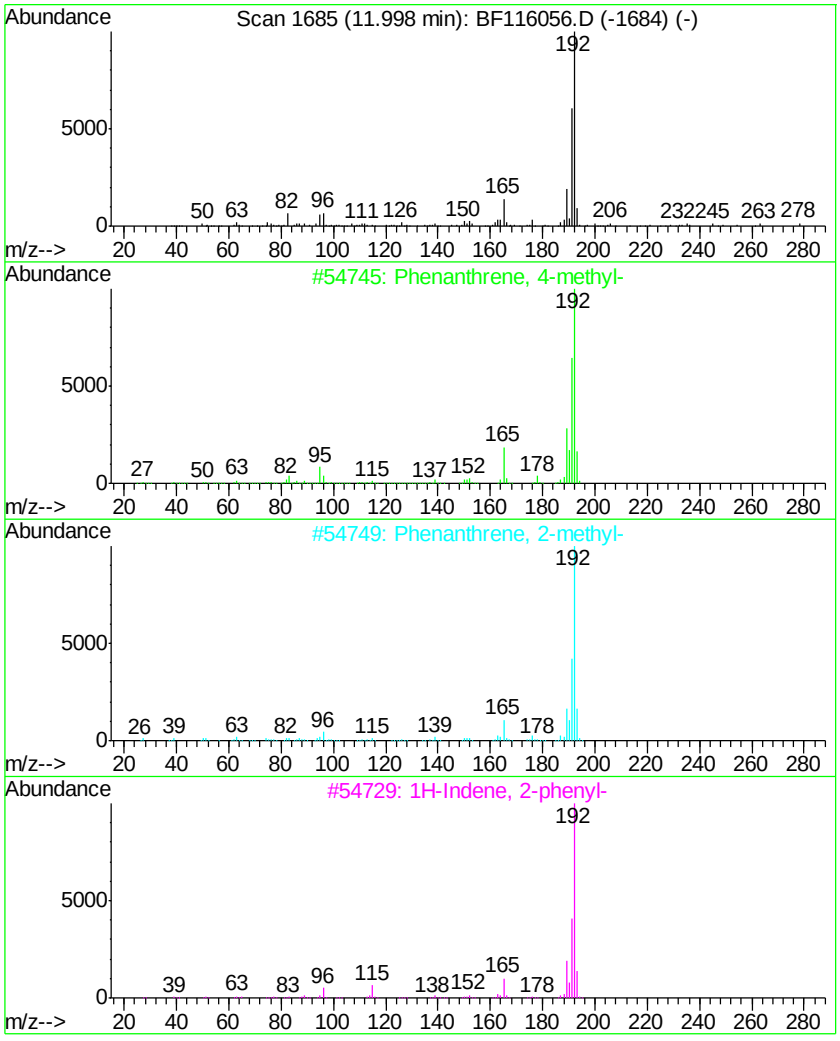
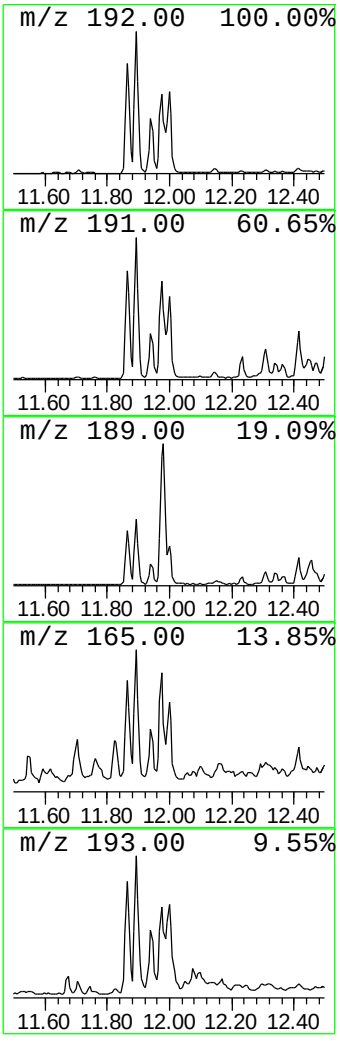
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.35 ng	193864	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	68
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68





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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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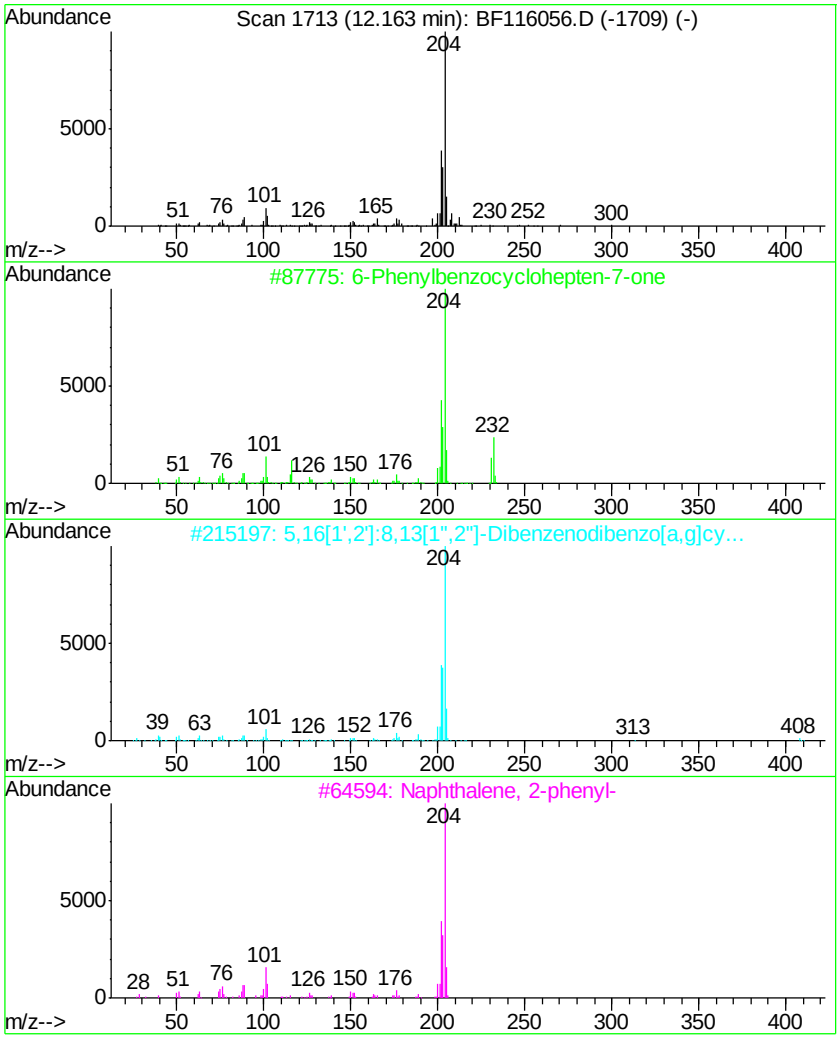
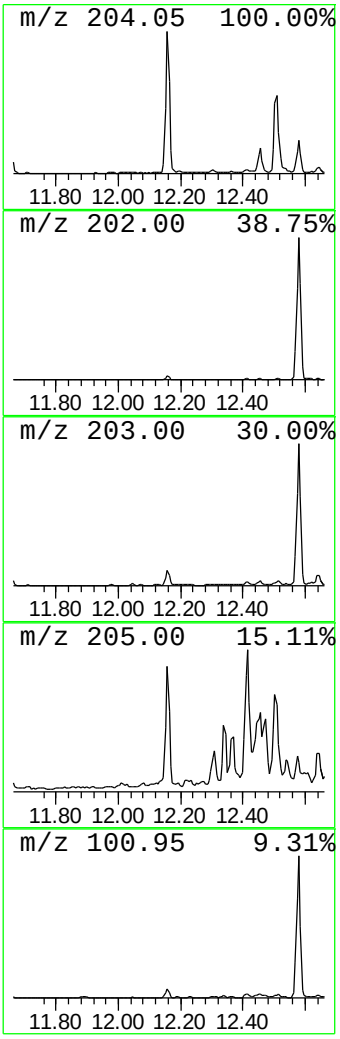
Peak Number 9 6-Phenylbenzocyclohepten-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.80 ng	213648	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
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Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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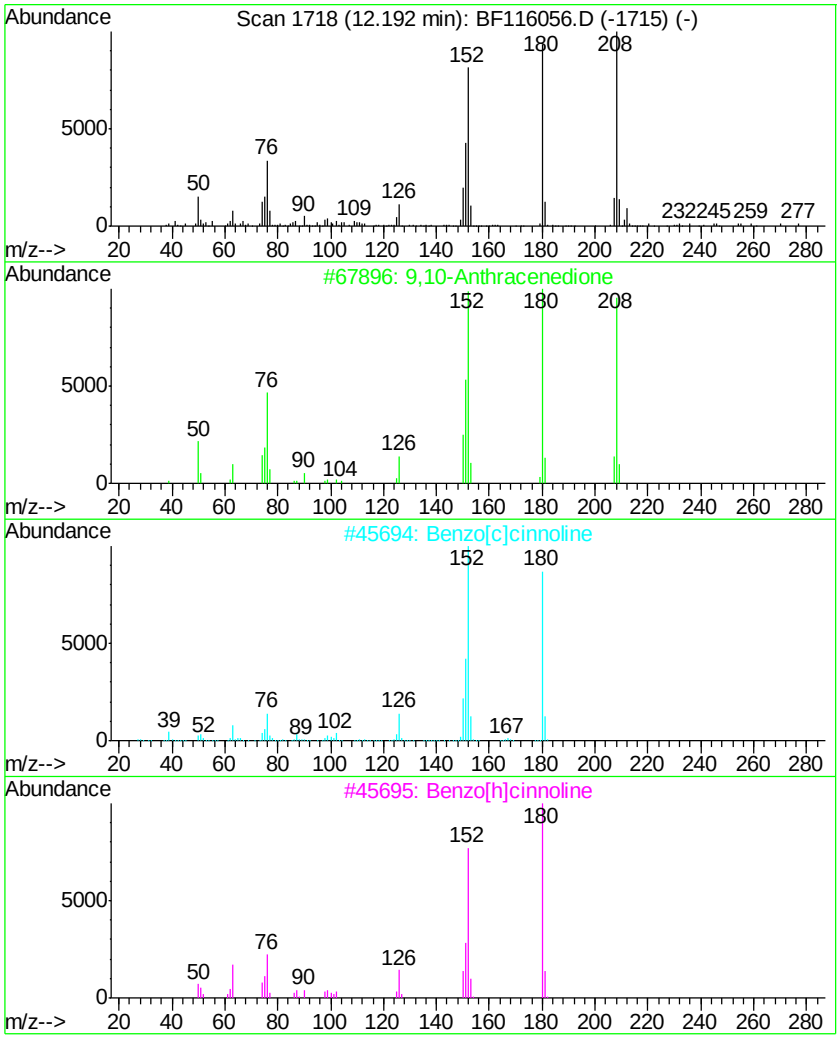
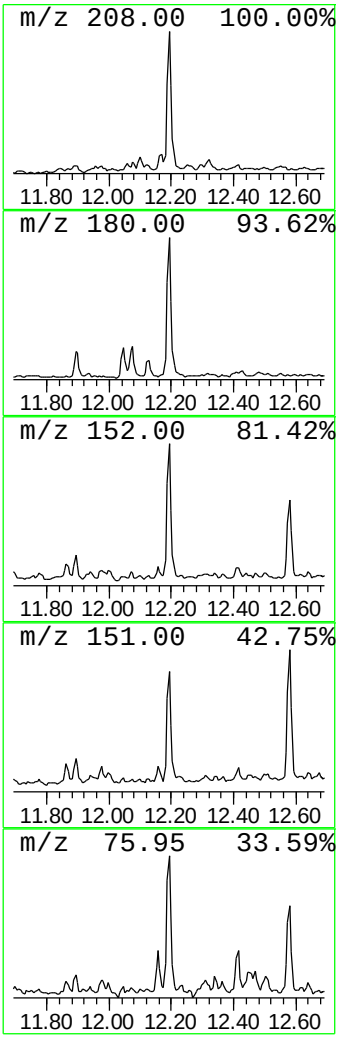
Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.15 ng	184966	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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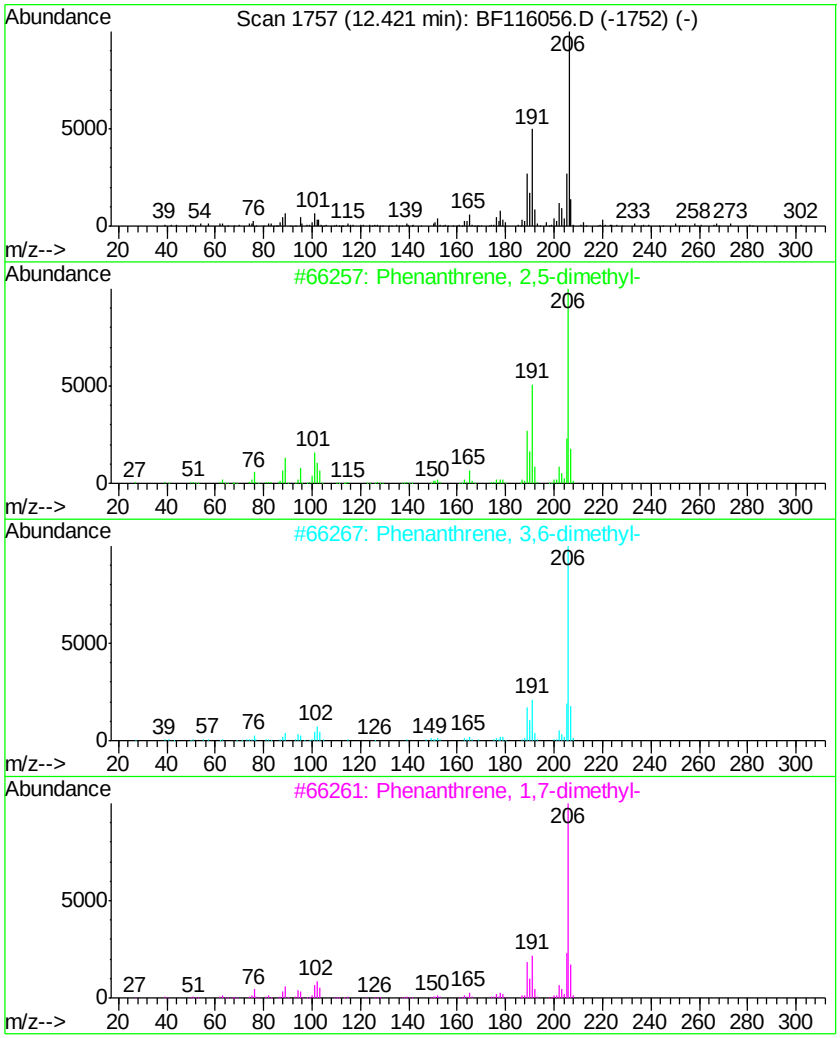
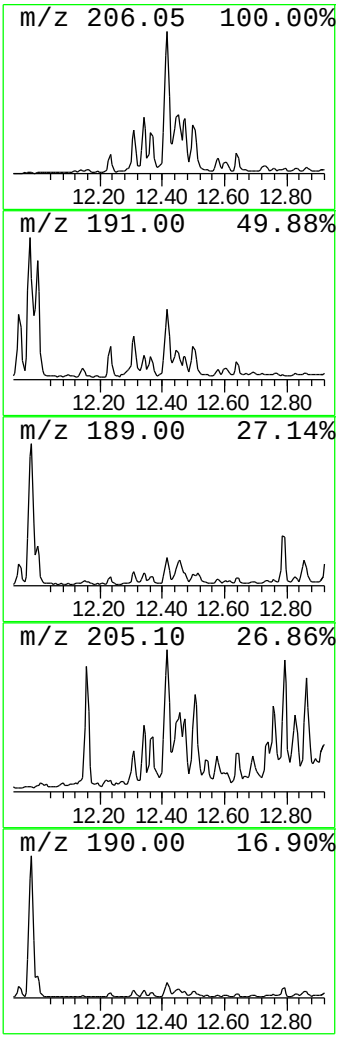
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.40 ng	240256	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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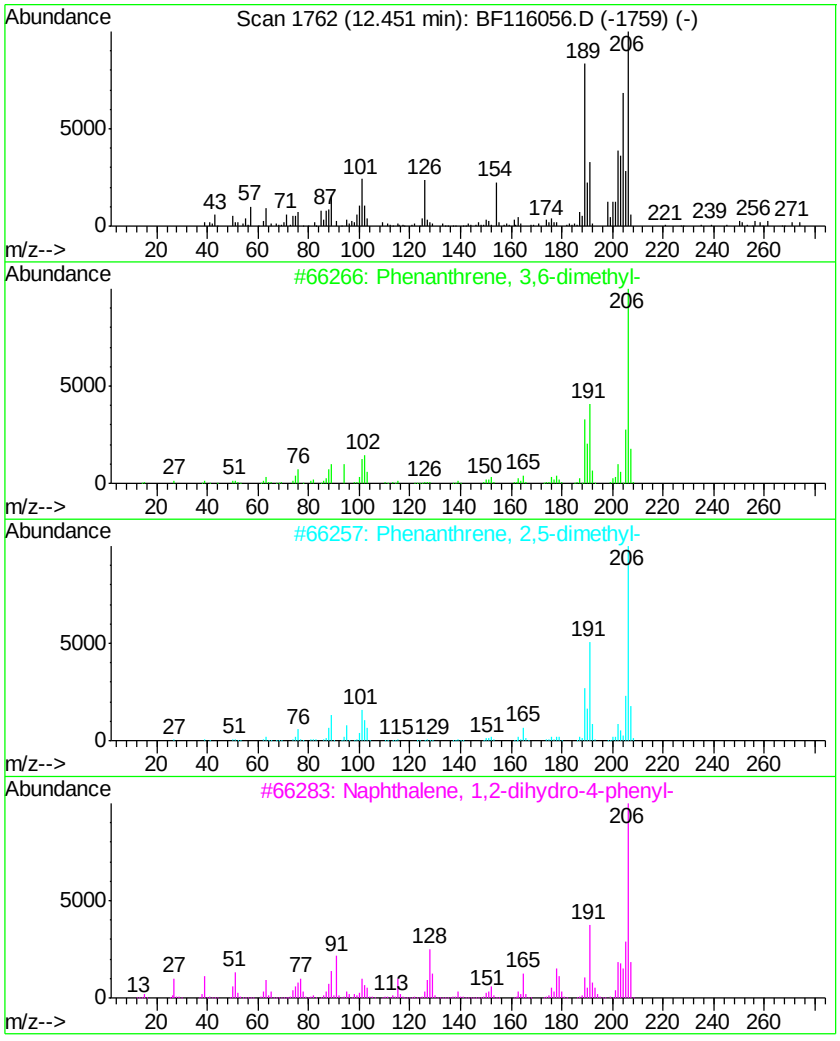
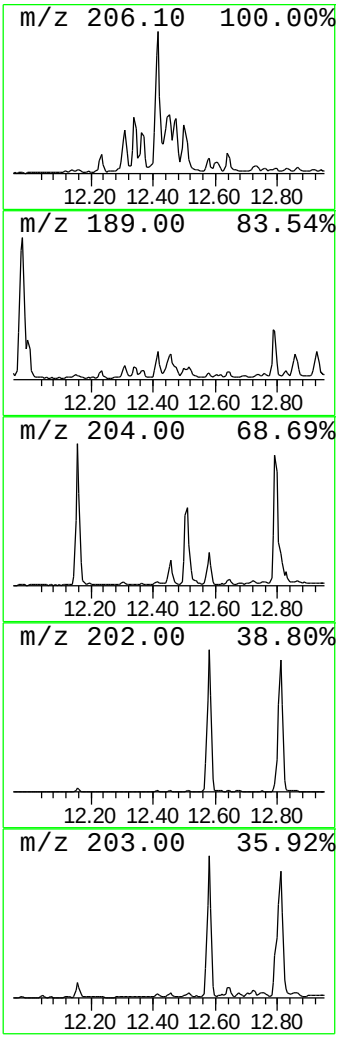
Peak Number 12 unknown12.45 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.60 ng	160445	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	35
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	27
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	22
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	18
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	14





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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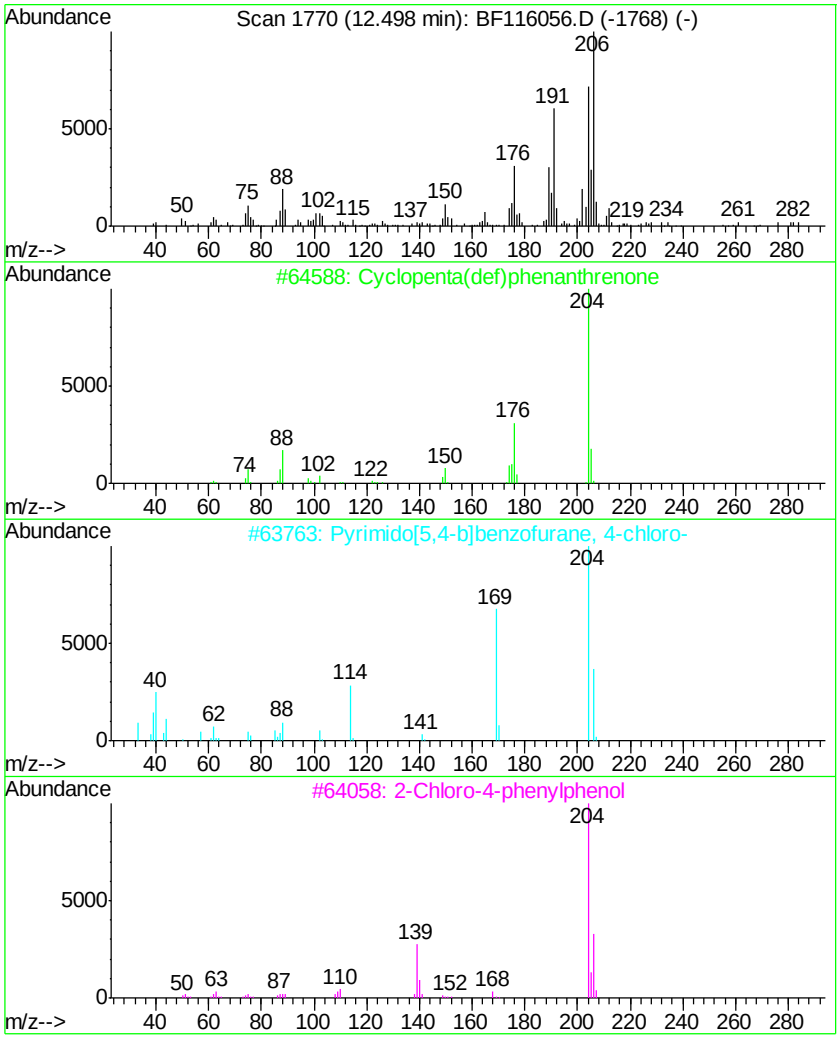
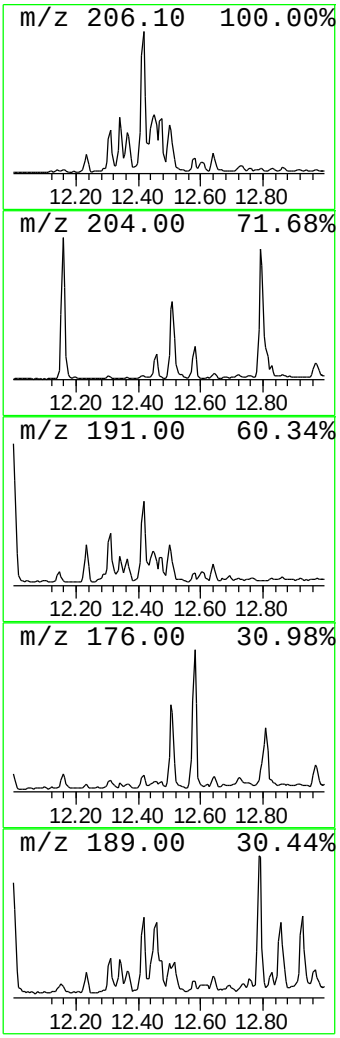
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.70 ng	209171	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38





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Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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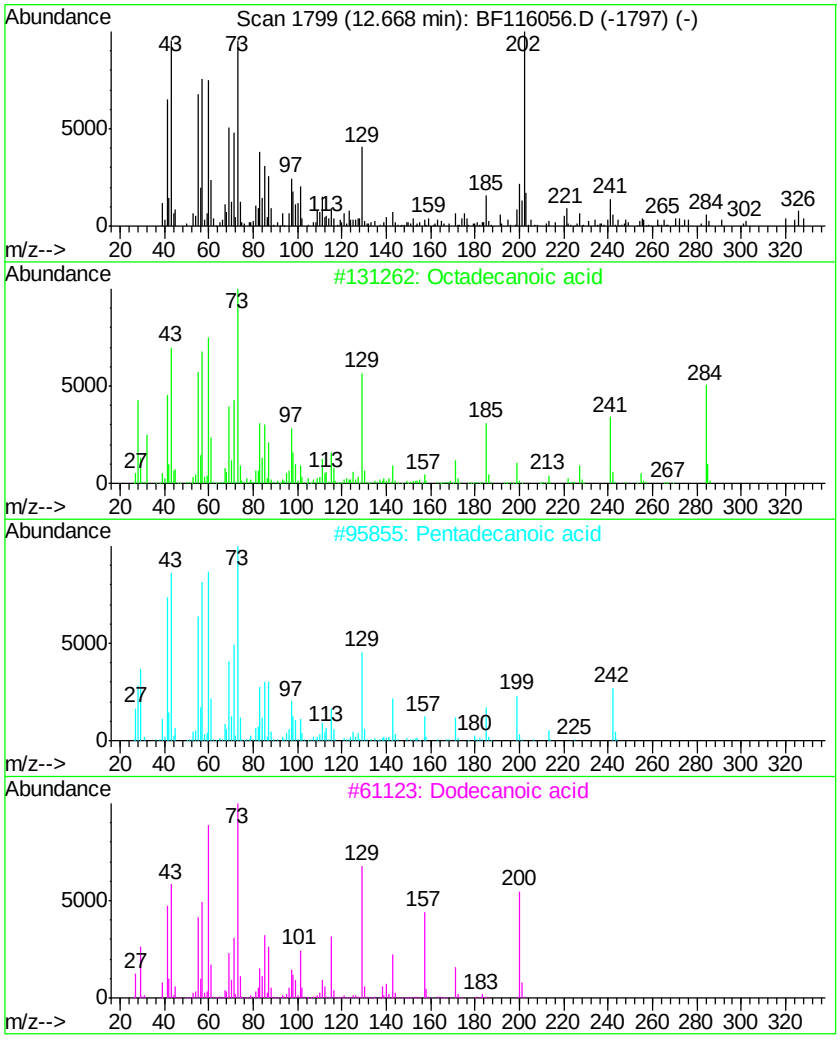
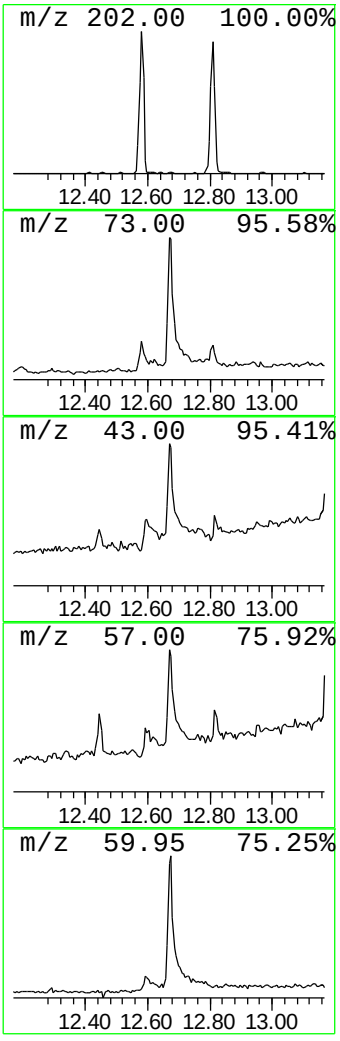
Peak Number 14 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	4.03 ng	179531	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
3	Dodecanoic acid	200	C12H24O2	000143-07-7	42
4	1H-Indole-3-propanoic acid, 1-(t...	275	C15H21NO2Si	056196-72-6	38
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	38





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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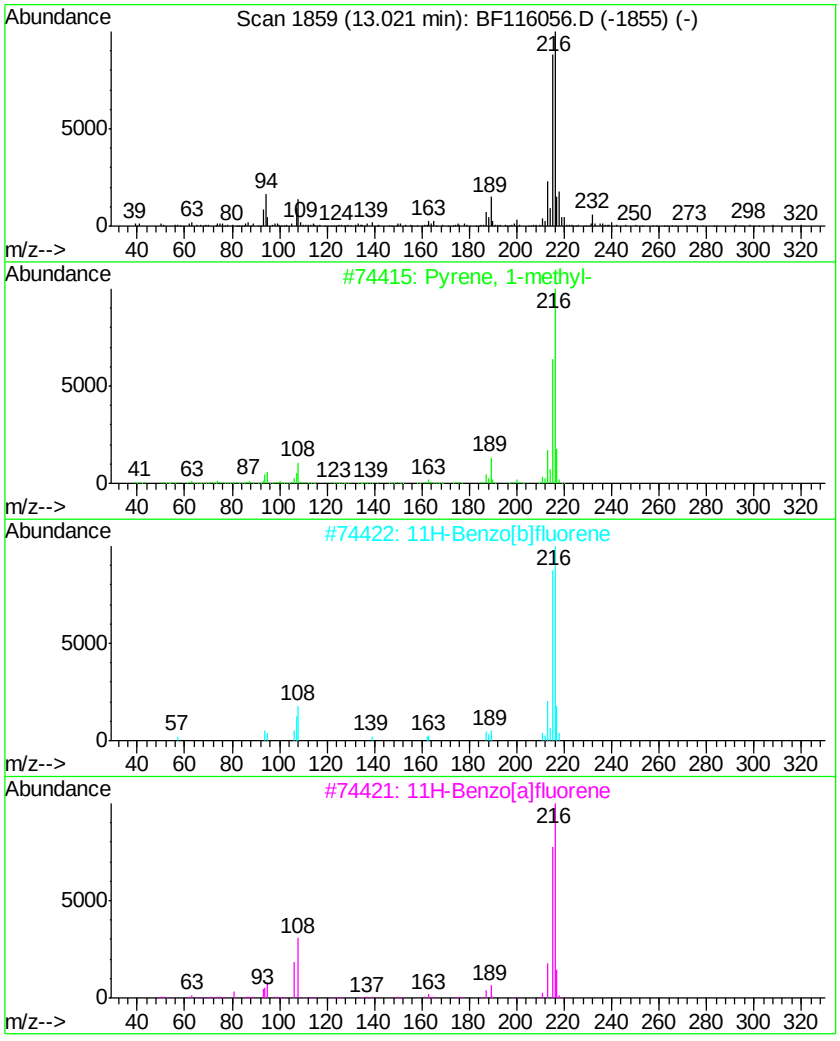
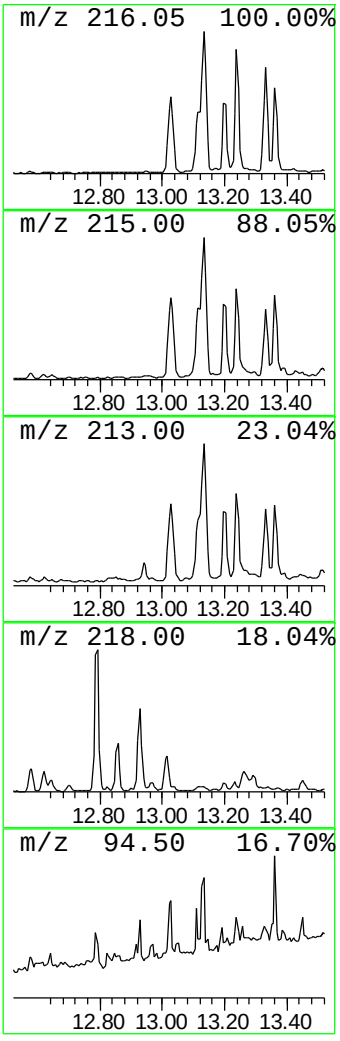
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.85 ng	320833	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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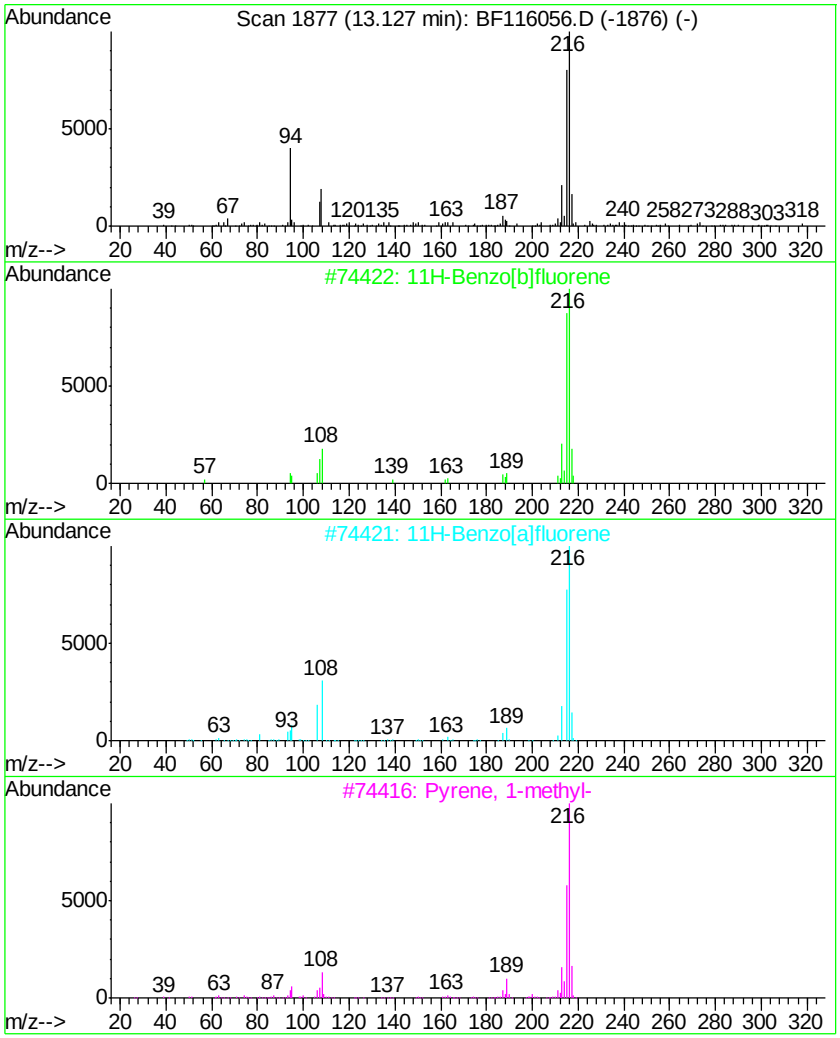
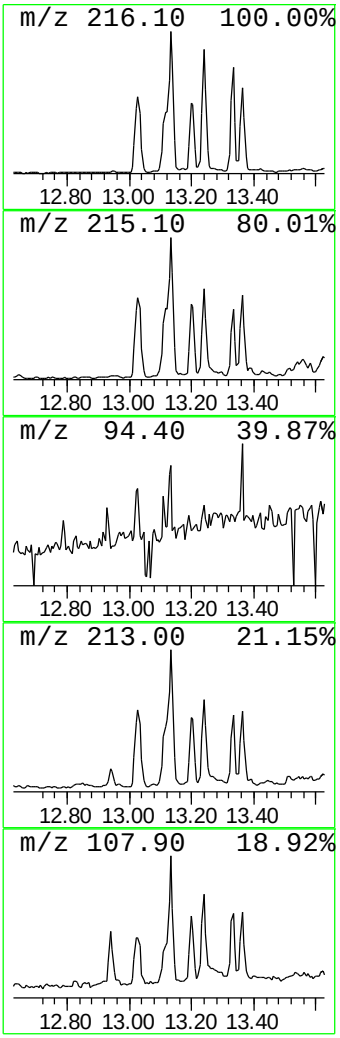
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.68 ng	301358	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	56





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Misc :
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Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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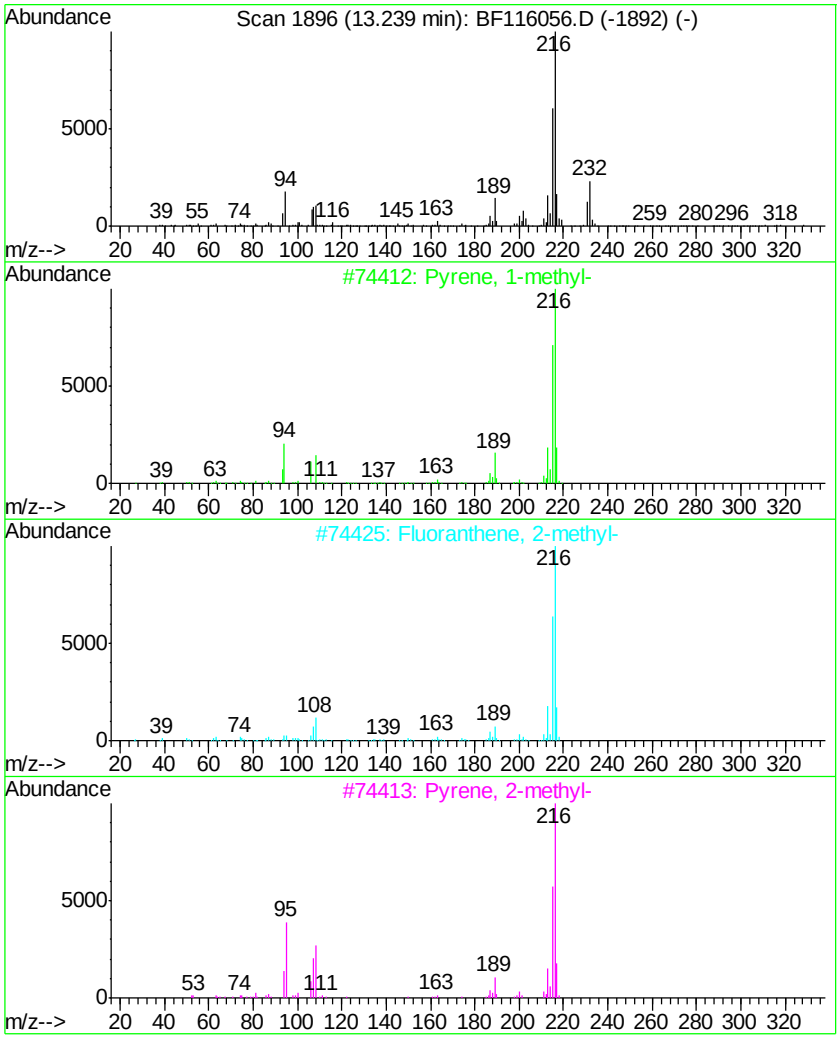
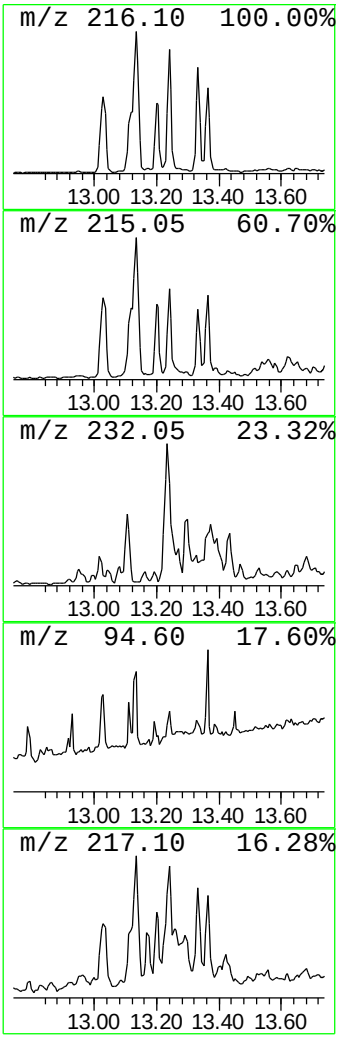
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	3.44 ng	387603	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	98
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

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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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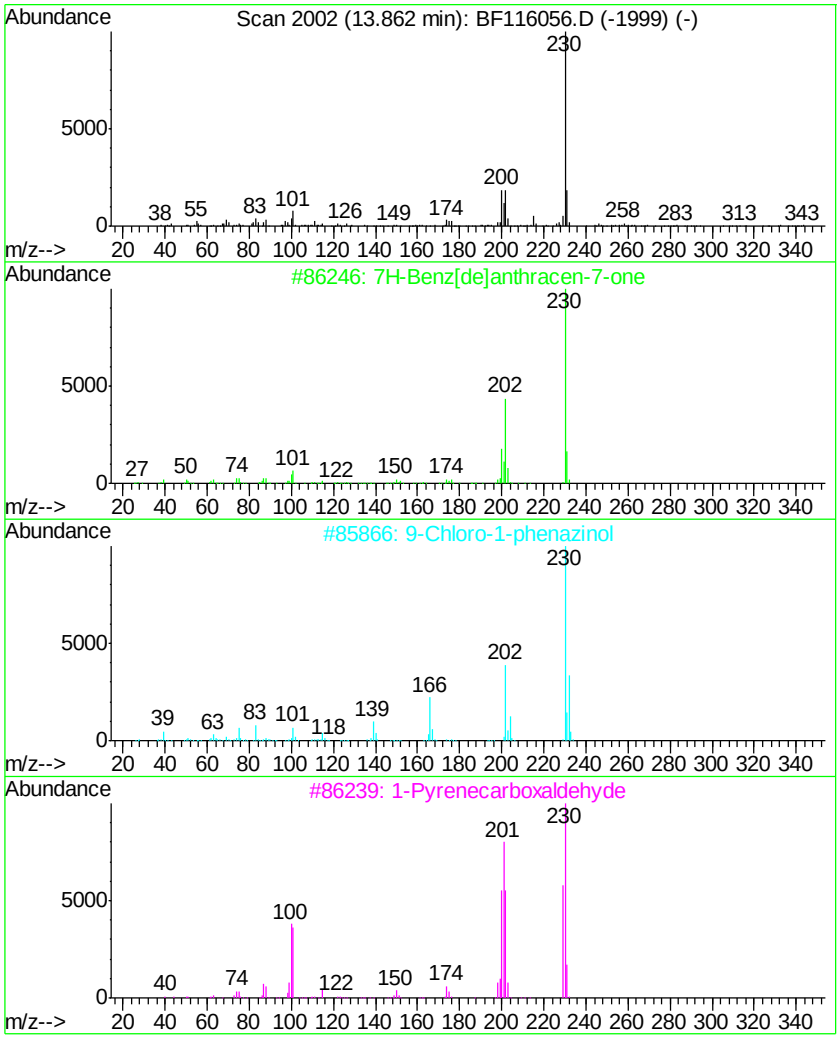
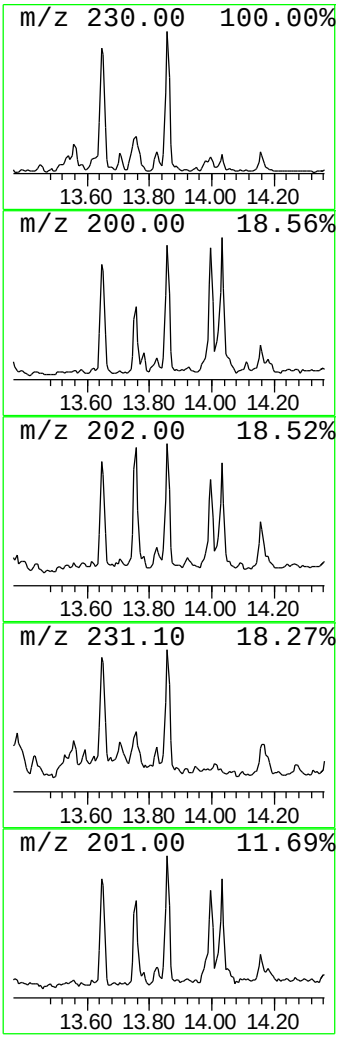
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.81 ng	315688	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
4	Benzonitrile, 4-(2-cyano-2-phenv...	230	C16H10N2	061469-58-7	50
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

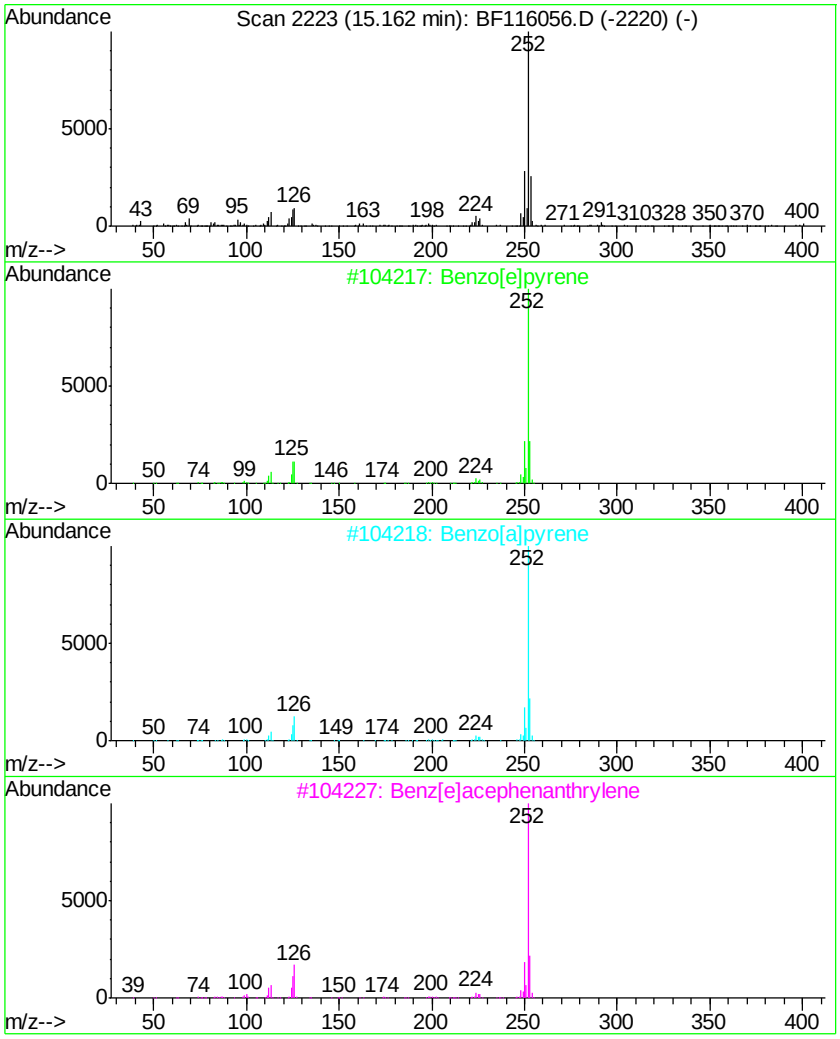
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

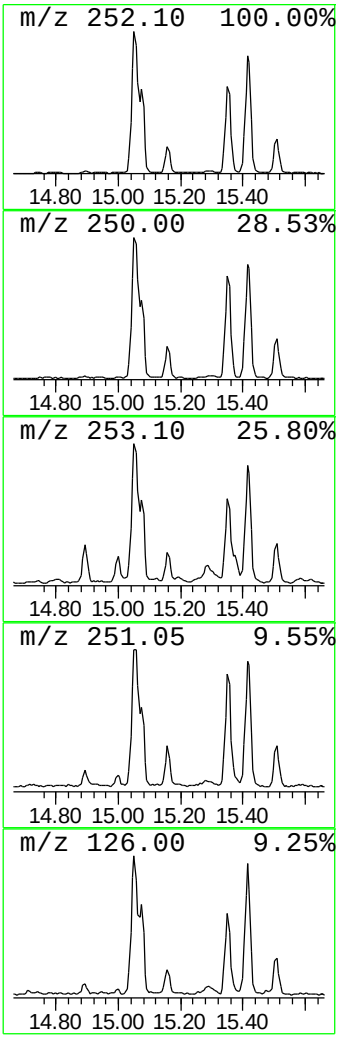
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	7.35 ng	260783	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080719\
Data File : BF116056.D
Acq On : 7 Aug 2019 19:47
Operator : HP/JU
Sample : K4192-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.62	6.62	18.8	ng	653188	1	6.85	695079	20.0
Dibenzothiophene	11.26	3.2	ng	141409	4	11.36	890498	20.0
Phenanthrene, 2-m...	11.86	7.3	ng	327377	4	11.36	890498	20.0
Phenanthrene, 1-m...	11.89	14.0	ng	624655	4	11.36	890498	20.0
Anthracene, 1-met...	11.94	4.0	ng	177242	4	11.36	890498	20.0
4H-Cyclopenta[def...	11.97	13.1	ng	581922	4	11.36	890498	20.0
Phenanthrene, 4-m...	12.00	4.3	ng	193864	4	11.36	890498	20.0
6-Phenylbenzocycl...	12.16	4.8	ng	213648	4	11.36	890498	20.0
9,10-Anthracenedione	12.19	4.2	ng	184966	4	11.36	890498	20.0
Phenanthrene, 2,5...	12.42	5.4	ng	240256	4	11.36	890498	20.0
unknown12.45	12.45	3.6	ng	160445	4	11.36	890498	20.0
Cyclopenta(def)ph...	12.50	4.7	ng	209171	4	11.36	890498	20.0
Octadecanoic acid	12.67	4.0	ng	179531	4	11.36	890498	20.0
Pyrene, 1-methyl-	13.02	2.9	ng	320833	5	14.01	2250630	20.0
11H-Benzo[b]fluorene	13.13	2.7	ng	301358	5	14.01	2250630	20.0
Fluoranthene, 2-m...	13.24	3.4	ng	387603	5	14.01	2250630	20.0
7H-Benz[de]anthra...	13.86	2.8	ng	315688	5	14.01	2250630	20.0
Benzo[e]pyrene	15.16	7.3	ng	260783	6	15.48	709827	20.0