LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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-BF122419.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	5.045	500	503	515	rBV	32390	43558	3.05%	0.253%
2	5.475	573	576	595	rBV	192036	278042	19.45%	1.612%
3	6.492	746	749	761	rBV	229265	335623	23.48%	1.946%
4	6.628	768	772	781	rBV	388725	398370	27.87%	2.310%
5	6.851	807	810	819	rBV	525751	445238	31.15%	2.582%
6	7.010	833	837	850	rBV	324860	316569	22.15%	1.836%
7	7.304	884	887	898	rBV	19290	32465	2.27%	0.188%
8	7.422	903	907	918	rBV	152101	200599	14.03%	1.163%
9	7.981	999	1002	1011	rBV	28125	45538	3.19%	0.264%
10	8.139	1026	1029	1031	rBV	556229	482221	33.73%	2.797%
11	8.163	1031	1033	1053	rVB	229157	253540	17.74%	1.470%
12	8.863	1148	1152	1158	rBV	67105	82667	5.78%	0.479%
13	8.957	1164	1168	1179	rVB	60213	64059	4.48%	0.372%
14	9.216	1209	1212	1222	rBV	368370	351142	24.56%	2.036%
15	9.492	1254	1259	1264	rBV	27918	39399	2.76%	0.228%
16	9.557	1267	1270	1273	rBV	48701	54984	3.85%	0.319%
17	9.586	1273	1275	1278	rVV	38112	37206	2.60%	0.216%
18	9.680	1286	1291	1296	rBV	23084	32963	2.31%	0.191%
19	9.763	1302	1305	1309	rBV	30923	26546	1.86%	0.154%
20	9.904	1325	1329	1332	rBV	589726	558422	39.07%	3.238%
21	9.933	1332	1334	1339	rVB	228013	202147	14.14%	1.172%
22	10.110	1360	1364	1368	rVV	148564	151599	10.61%	0.879%
23	10.145	1368	1370	1374	rVB	27418	24593	1.72%	0.143%
24	10.310	1394	1398	1400	rBV3	19809	23512	1.64%	0.136%
25	10.451	1416	1422	1428	rBV	133534	146301	10.23%	0.848%
26	10.610	1447	1449	1454	rVB	62727	53653	3.75%	0.311%
27	10.698	1460	1464	1469	rBV2	251693	282786	19.78%	1.640%
28	10.816	1482	1484	1490	rVB3	19343	23516	1.65%	0.136%
29	11.004	1512	1516	1519	rVB4	34874	37429	2.62%	0.217%
30	11.127	1532	1537	1539	rBV3	31572	38341	2.68%	0.222%
31	11.151	1539	1541	1547	rVV2	37735	47665	3.33%	0.276%
32	11.204	1547	1550	1554	rVV	87050	87892	6.15%	0.510%
33	11.251	1554	1558	1561	rVV3	63901	80963	5.66%	0.470%
34	11.292	1561	1565	1572	rVB	104931	103598	7.25%	0.601%

LSC Area Percent Report

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Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.398	1579	1583	1585	rBV	640726	598168	41.85%	3.469%
36	11.422	1585	1587	1591	rVV	1733209	1429453	100.00%	8.290%
37	11.474	1591	1596	1599	rVV	217790	239006	16.72%	1.386%
38	11.510	1599	1602	1607	rVB3	45883	68405	4.79%	0.397%
39	11.633	1618	1623	1628	rBV2	101426	147341	10.31%	0.854%
40	11.686	1628	1632	1635	rVV2	27855	45749	3.20%	0.265%
41	11.739	1637	1641	1645	rVB4	26093	39679	2.78%	0.230%
42	11.898	1664	1668	1671	rBV	162075	162783	11.39%	0.944%
43	11.927	1671	1673	1677	rVV	212539	207625	14.52%	1.204%
44	11.980	1678	1682	1684	rVV	62206	59063	4.13%	0.343%
45	12.016	1684	1688	1690	rVV2	174709	203595	14.24%	1.181%
46	12.033	1690	1691	1697	rVB	108223	93115	6.51%	0.540%
47	12.086	1697	1700	1702	rBV2	43019	37824	2.65%	0.219%
48	12.198	1715	1719	1722	rBV	115232	99796	6.98%	0.579%
49	12.233	1722	1725	1729	rVV	83252	82815	5.79%	0.480%
50	12.345	1739	1744	1747	rBV3	45165	59373	4.15%	0.344%
51	12.374	1747	1749	1752	rVB2	29175	25412	1.78%	0.147%
52	12.404	1752	1754	1756	rVB	32962	22627	1.58%	0.131%
53	12.451	1756	1762	1764	rBV	79117	78742	5.51%	0.457%
54	12.545	1774	1778	1782	rVB3	71274	89981	6.29%	0.522%
55	12.621	1787	1791	1794	rBV	1257539	1071337	74.95%	6.213%
56	12.651	1794	1796	1799	rVV2	172121	148554	10.39%	0.862%
57	12.680	1799	1801	1805	rVB3	31681	30817	2.16%	0.179%
58	12.768	1811	1816	1819	rVV3	57684	75593	5.29%	0.438%
59	12.851	1823	1830	1835	rBV	1024976	1050360	73.48%	6.091%
60	12.898	1835	1838	1843	rVB2	70141	77774	5.44%	0.451%
61	12.986	1846	1853	1855	rBV2	347151	384807	26.92%	2.232%
62	13.010	1855	1857	1862	rVB	46122	49218	3.44%	0.285%
63	13.068	1862	1867	1871	rBV3	67576	120031	8.40%	0.696%
64	13.174	1878	1885	1888	rBV2	99000	192662	13.48%	1.117%
65	13.245	1894	1897	1900	rBV2	51018	52279	3.66%	0.303%
66	13.280	1900	1903	1906	rBV2	87666	107261	7.50%	0.622%
67	13.380	1916	1920	1922	rBV	59678	57550	4.03%	0.334%
68	13.410	1922	1925	1928	rBV3	79727	87014	6.09%	0.505%
69	13.551	1947	1949	1952	rBV3	36634	42193	2.95%	0.245%
70	13.698	1970	1974	1980	rVB	99024	102859	7.20%	0.597%
71	13.804	1988	1992	1994	rBV	102906	106778	7.47%	0.619%

LSC Area Percent Report

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Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.827	1994	1996	1998	rVB	90224	69035	4.83%	0.400%
73	13.857	1998	2001	2002	rBV	61184	53326	3.73%	0.309%
74	13.904	2007	2009	2015	rVB	114490	118829	8.31%	0.689%
75	13.974	2016	2021	2022	rBV2	26471	40979	2.87%	0.238%
76	14.051	2027	2034	2037	rBV2	752087	1148699	80.36%	6.662%
77	14.080	2037	2039	2042	rVB	473535	386720	27.05%	2.243%
78	14.163	2050	2053	2055	rBV	47332	35661	2.49%	0.207%
79	14.292	2073	2075	2078	rVB2	35373	31025	2.17%	0.180%
80	14.404	2092	2094	2096	rBV2	32558	34690	2.43%	0.201%
81	14.445	2098	2101	2104	rVV	102311	100579	7.04%	0.583%
82	14.474	2104	2106	2108	rVV	40813	35249	2.47%	0.204%
83	14.510	2108	2112	2116	rVV5	37730	64564	4.52%	0.374%
84	14.568	2120	2122	2124	rBV	35262	38059	2.66%	0.221%
85	14.639	2132	2134	2136	rVB2	32071	25149	1.76%	0.146%
86	14.768	2154	2156	2160	rBV5	32758	43780	3.06%	0.254%
87	14.815	2161	2164	2166	rVB2	47098	47630	3.33%	0.276%
88	14.915	2178	2181	2184	rBV5	23976	38504	2.69%	0.223%
89	14.951	2184	2187	2190	rVB3	53543	54238	3.79%	0.315%
90	15.115	2210	2215	2218	rBV	309996	492267	34.44%	2.855%
91	15.221	2230	2233	2238	rVB	70198	73527	5.14%	0.426%
92	15.310	2246	2248	2253	rBV4	17525	32178	2.25%	0.187%
93	15.421	2263	2267	2274	rVB	144253	189915	13.29%	1.101%
94	15.486	2274	2278	2283	rBV	210139	250248	17.51%	1.451%
95	15.551	2284	2289	2293	rBV	349061	467339	32.69%	2.710%
96	15.986	2359	2363	2370	rVB6	32253	62405	4.37%	0.362%
97	16.486	2446	2448	2455	rVB7	33892	53079	3.71%	0.308%
98	17.068	2541	2547	2558	rBV	79987	194240	13.59%	1.126%
99	17.309	2584	2588	2593	rBV5	22291	30947	2.16%	0.179%
100	17.527	2619	2625	2633	rBV	40162	99618	6.97%	0.578%

Sum of corrected areas: 17243264

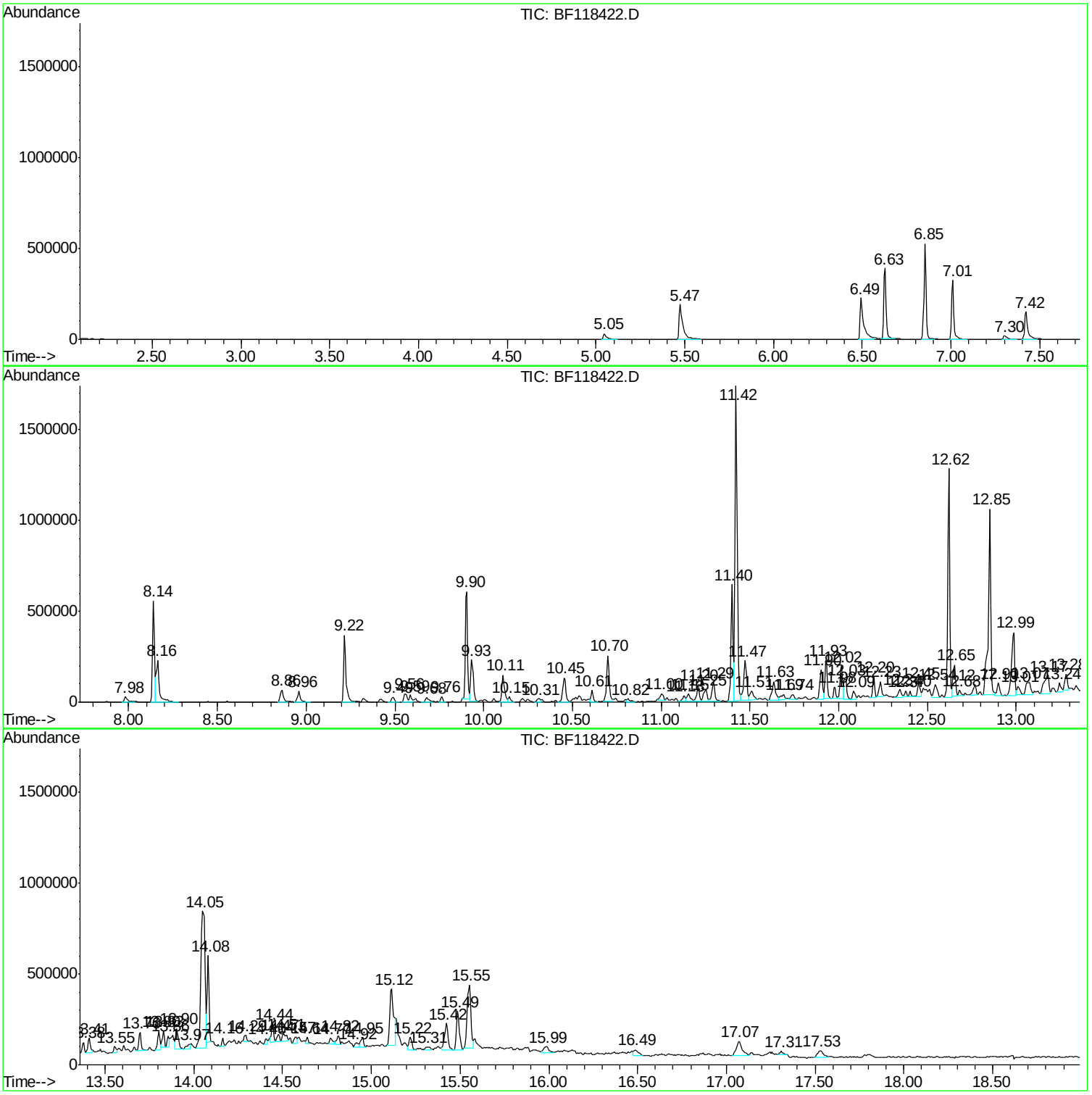
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
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Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

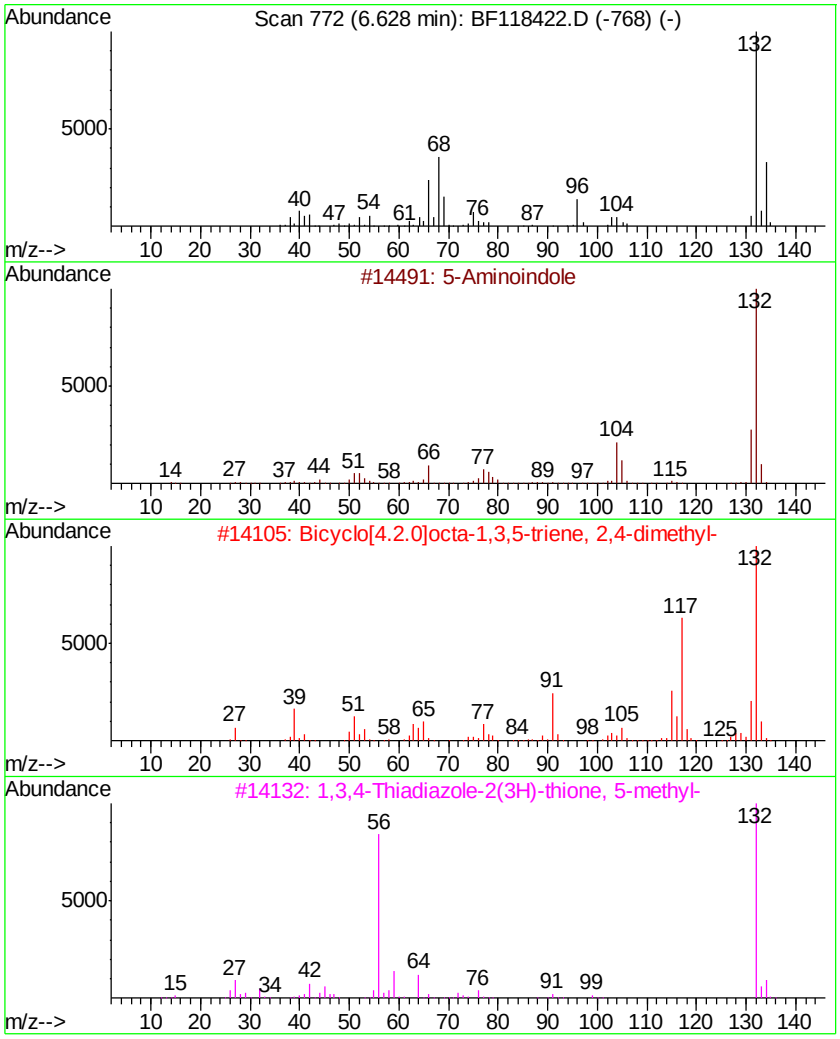
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

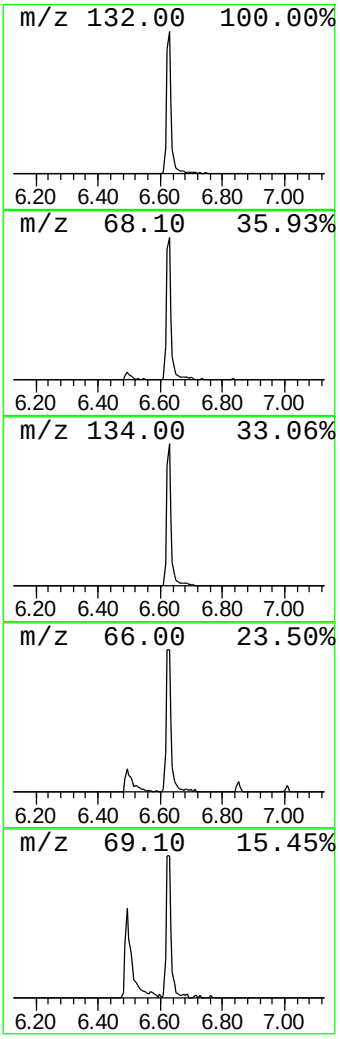
****

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	17.89 ng	398370	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

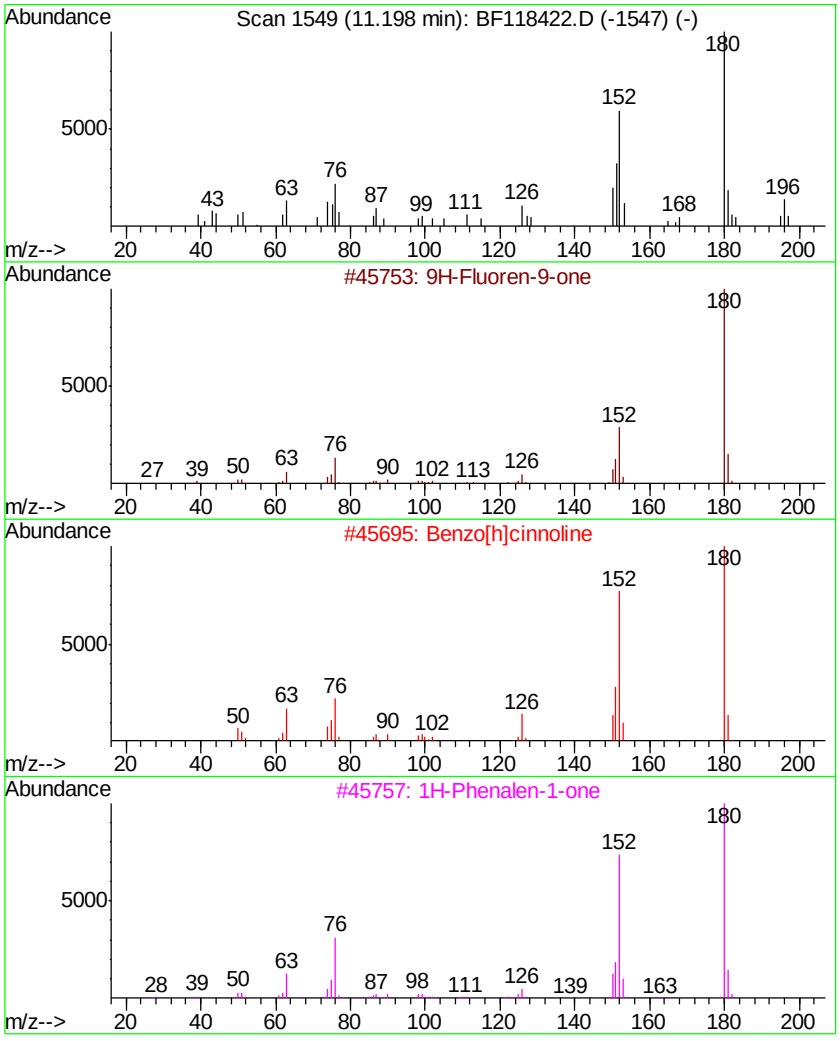
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

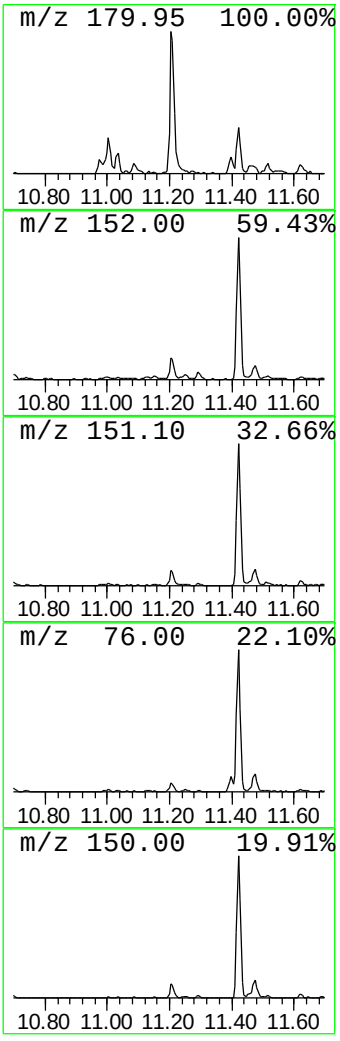
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.94 ng	87892	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	80
4	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	45
5	Phenazine	180	C12H8N2	000092-82-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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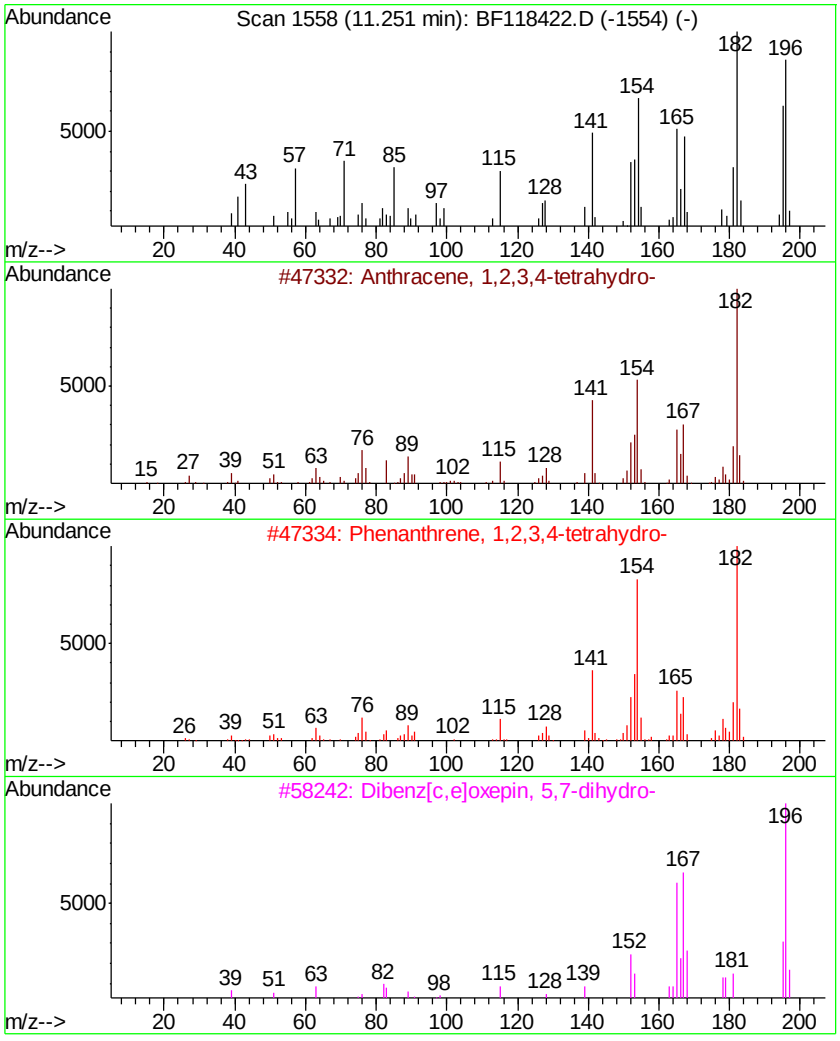
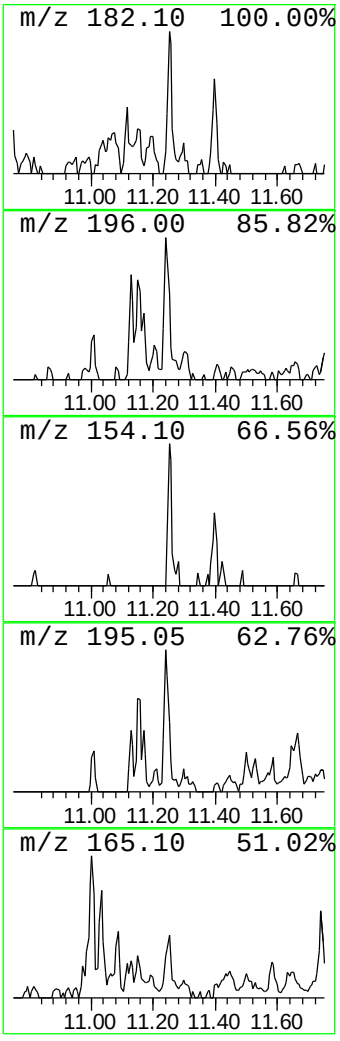
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.71 ng	80963	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	83
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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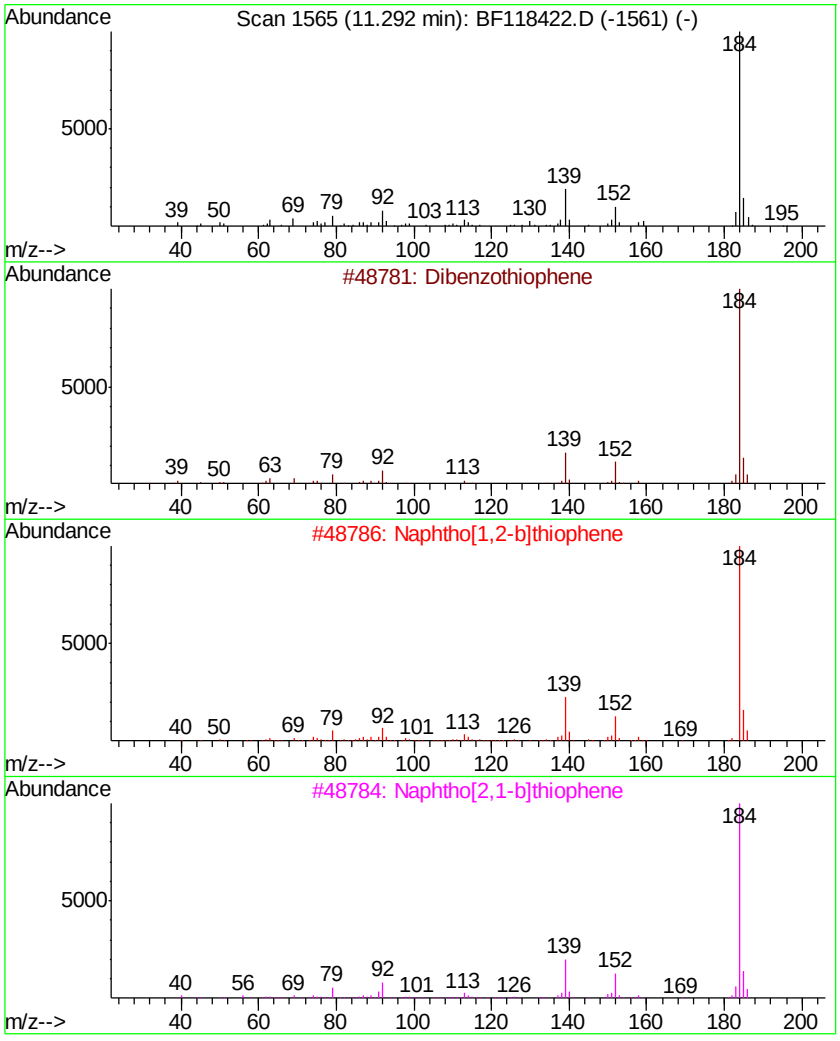
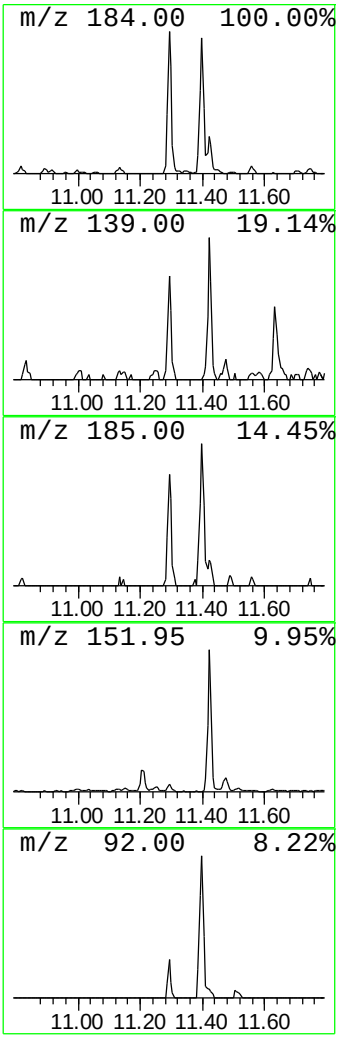
Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.46 ng	103598	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

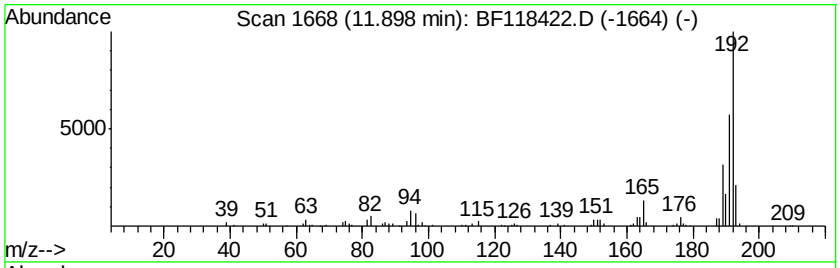
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

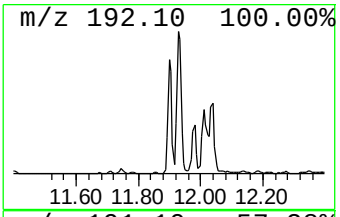
****

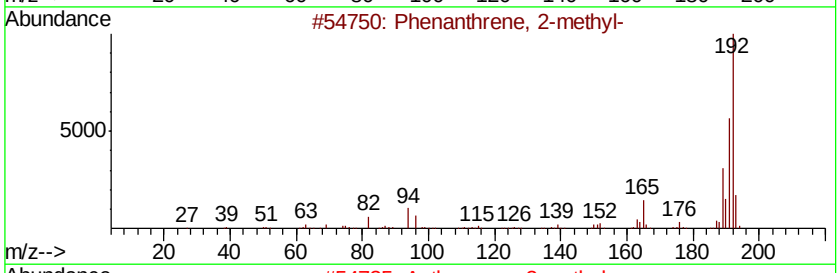
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

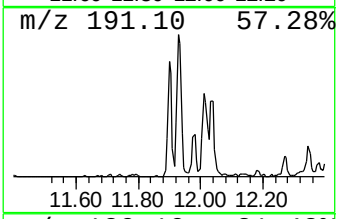
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.44 ng	162783	Phenanthrene-d10	11.40

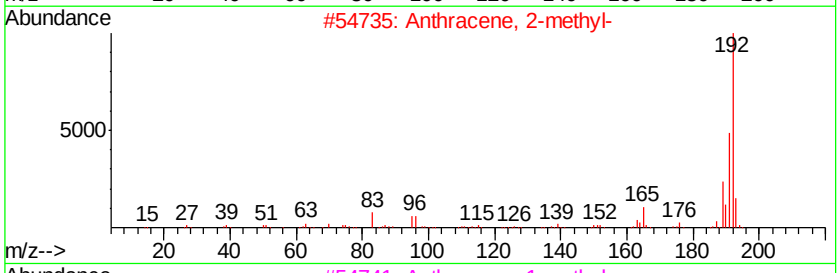
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93

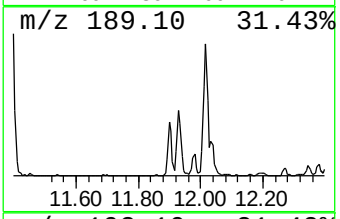


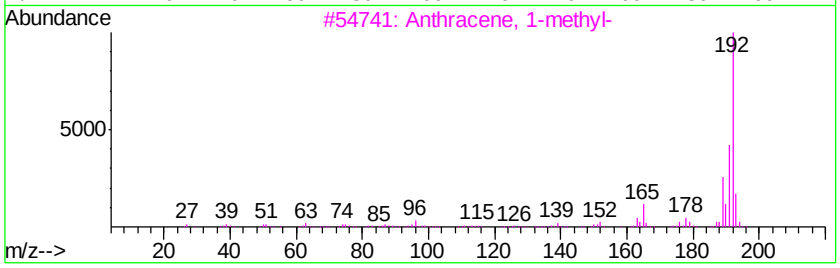


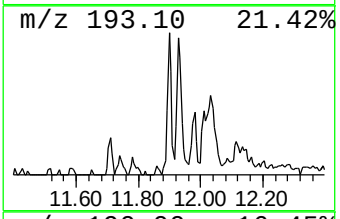


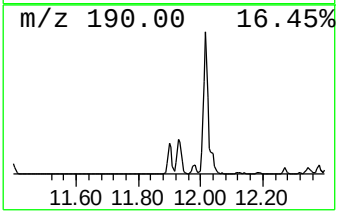












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Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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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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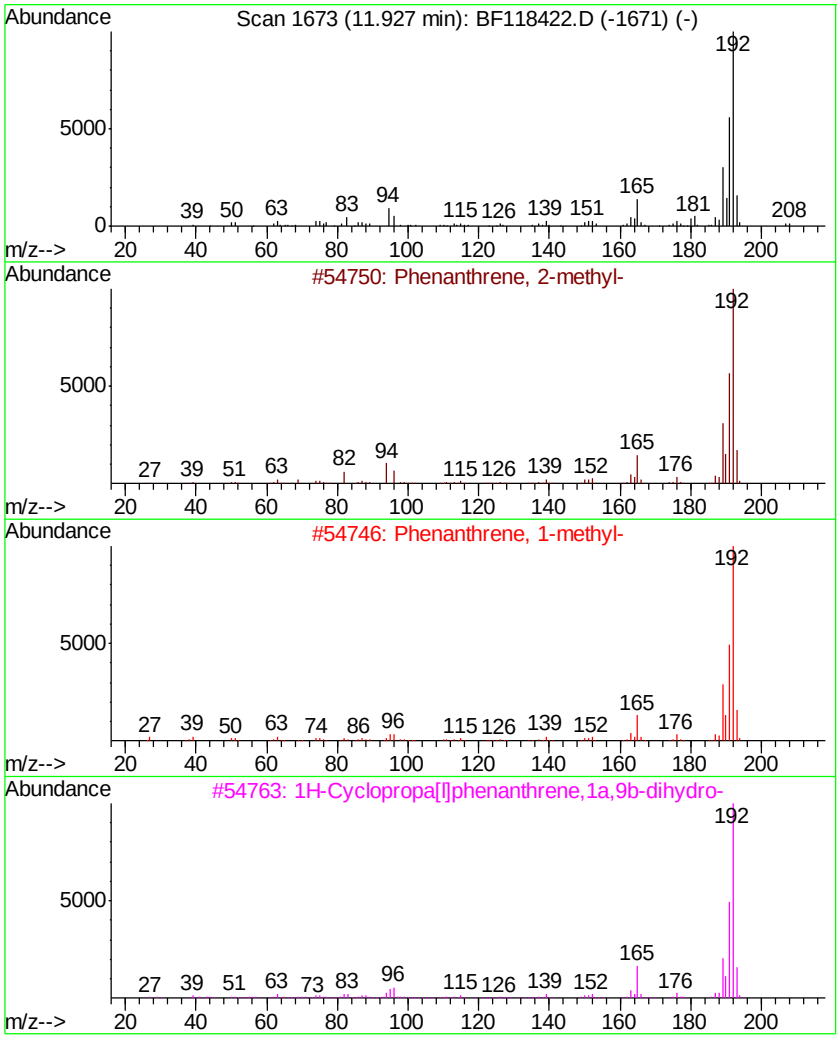
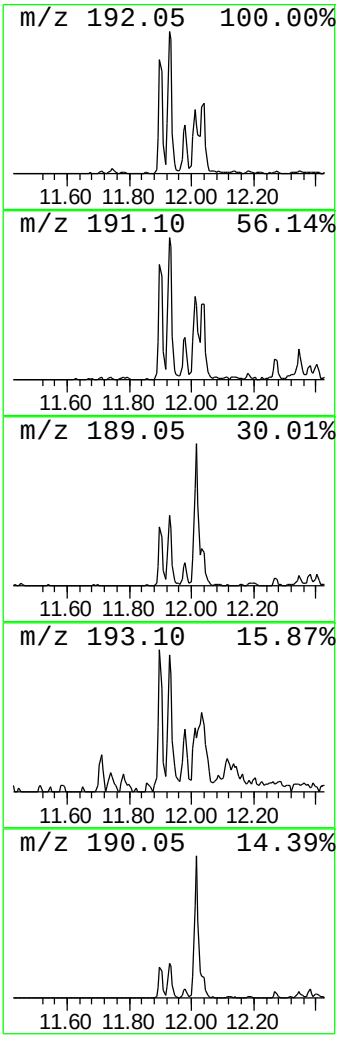
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	6.94 ng	207625	Phenanthrene-d10	11.40

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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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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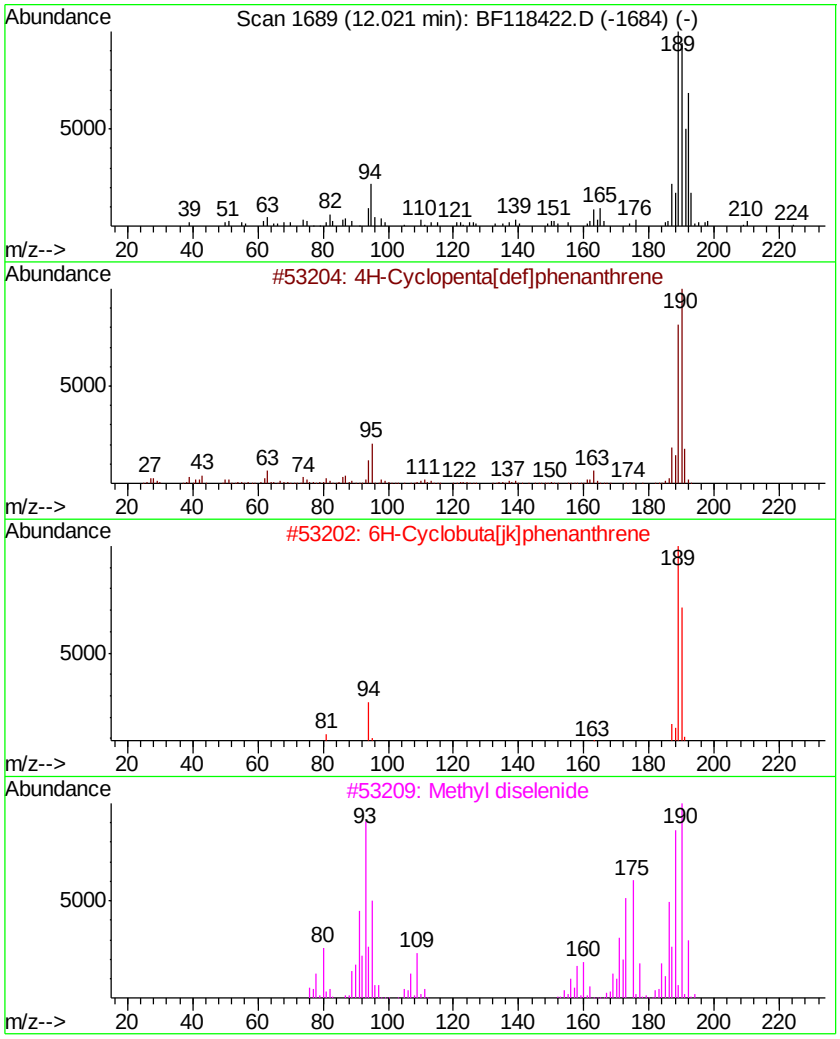
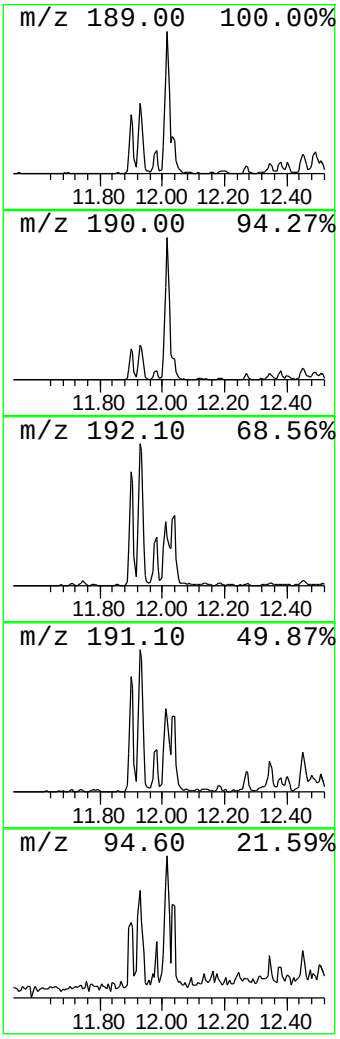
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.81 ng	203595	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	14





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Misc :
ALS Vial : 25 Sample Multiplier: 1

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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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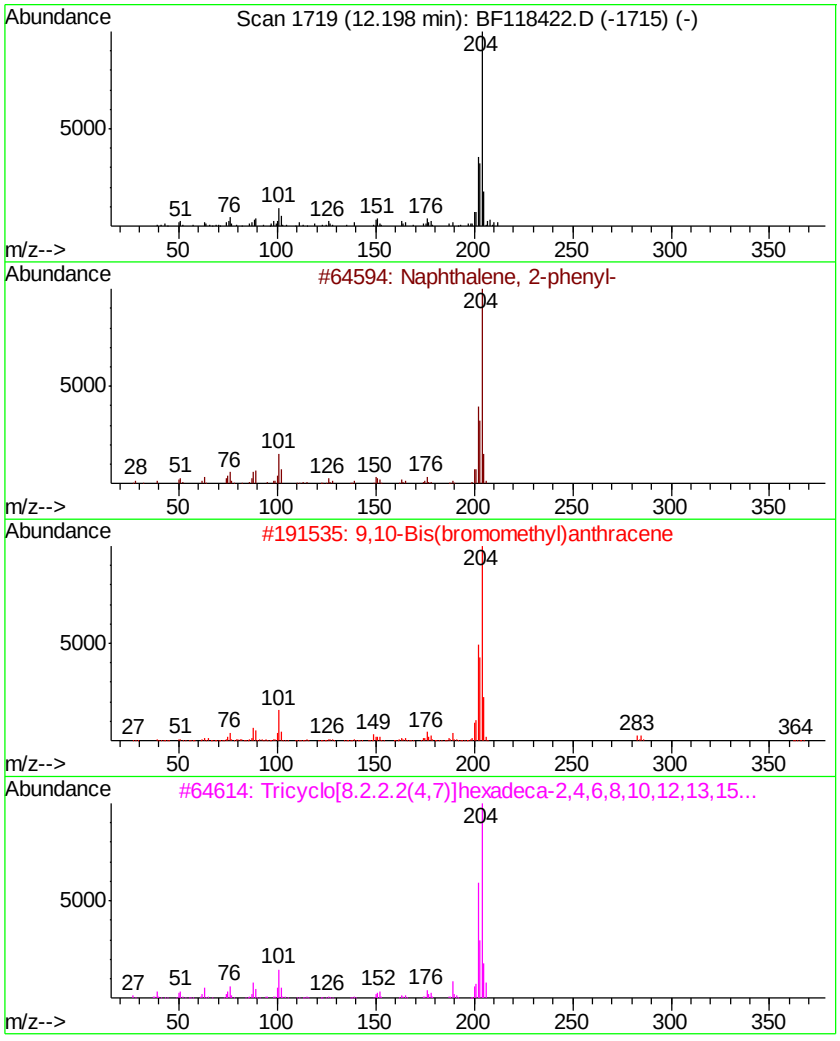
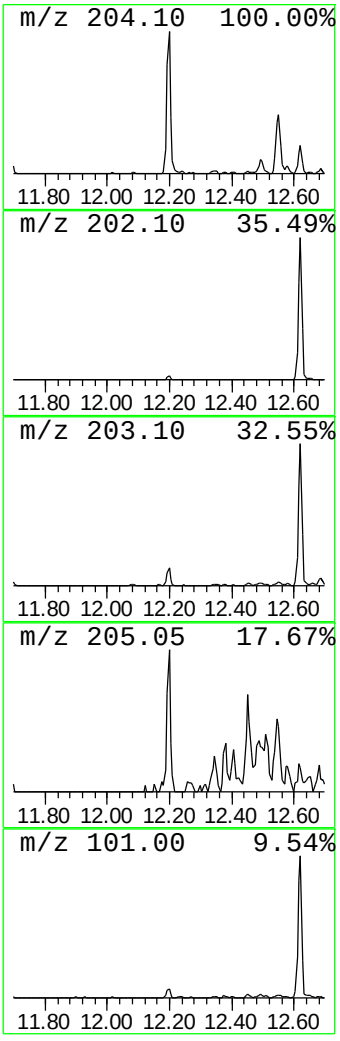
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.34 ng	99796	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	58





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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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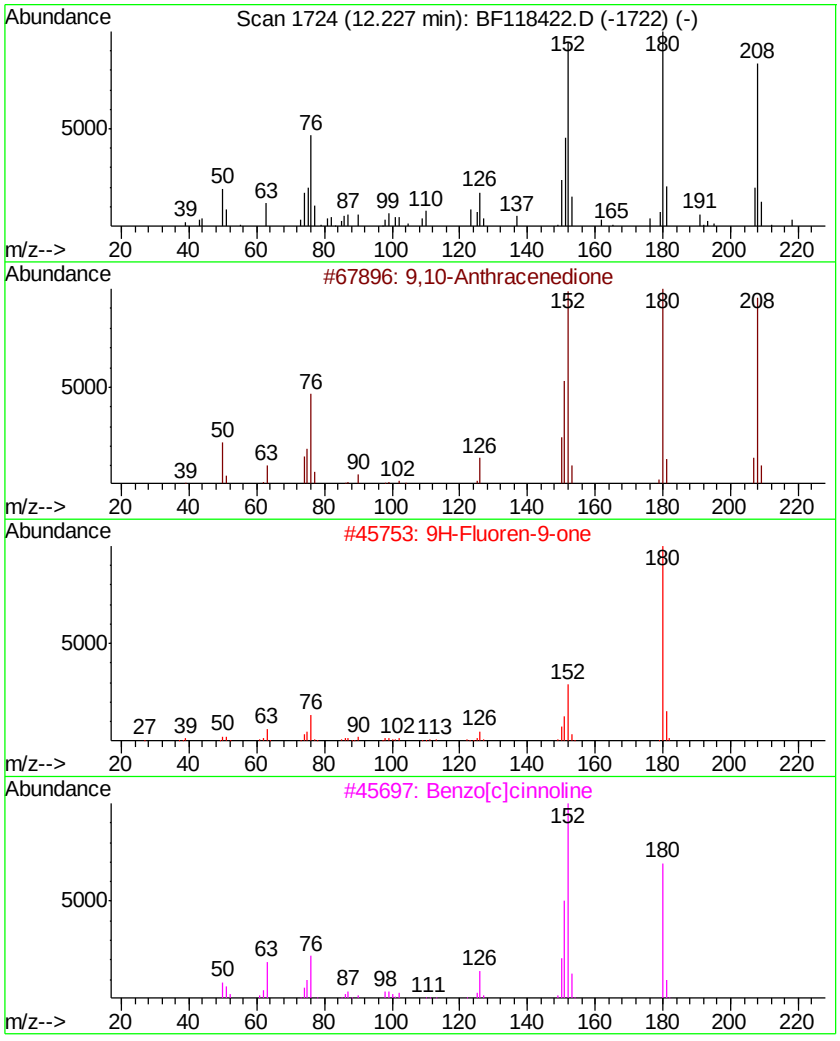
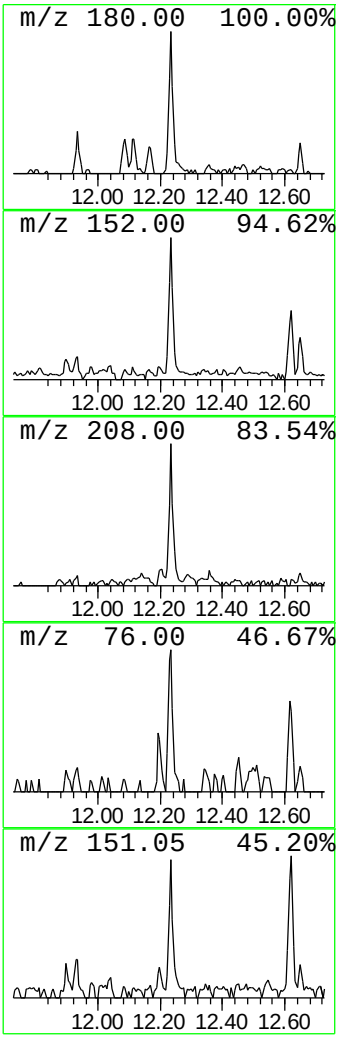
Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	2.77 ng	82815	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64





Library Search Compound Report

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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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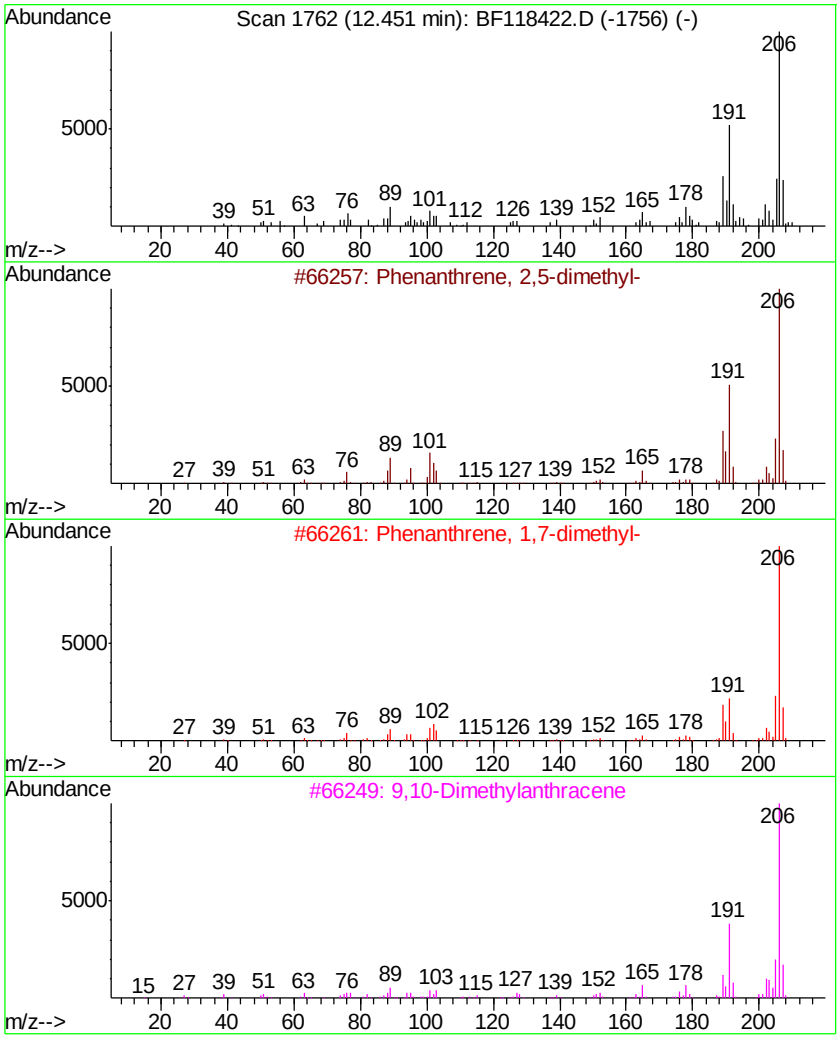
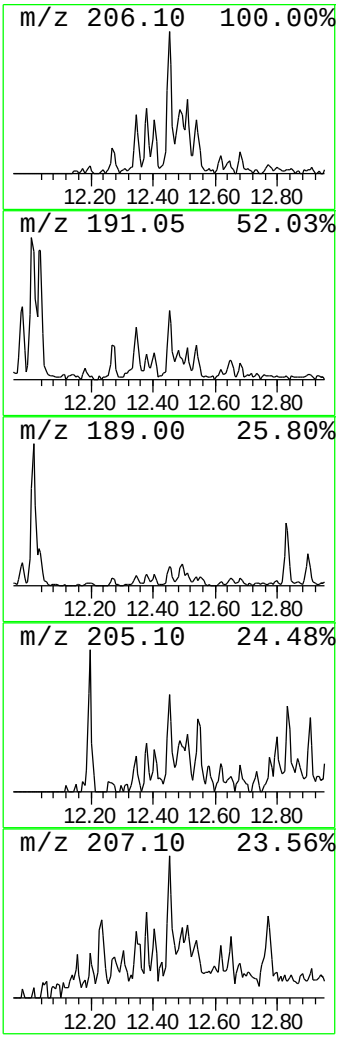
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.63 ng	78742	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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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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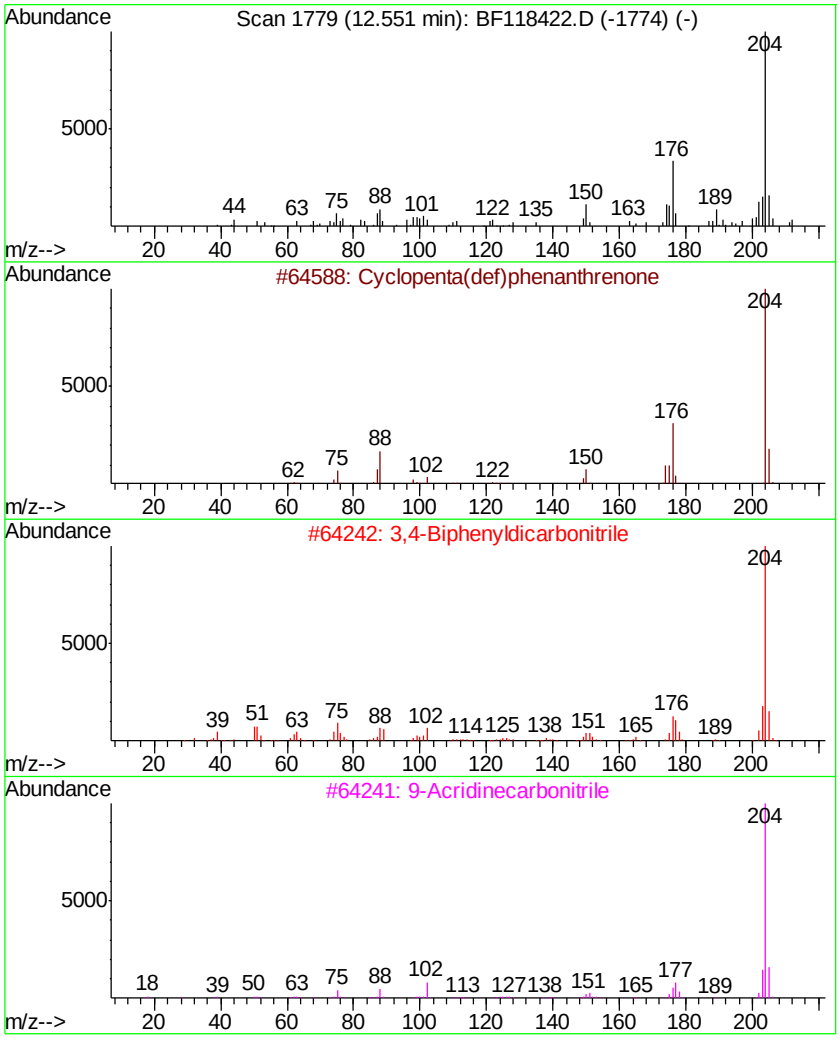
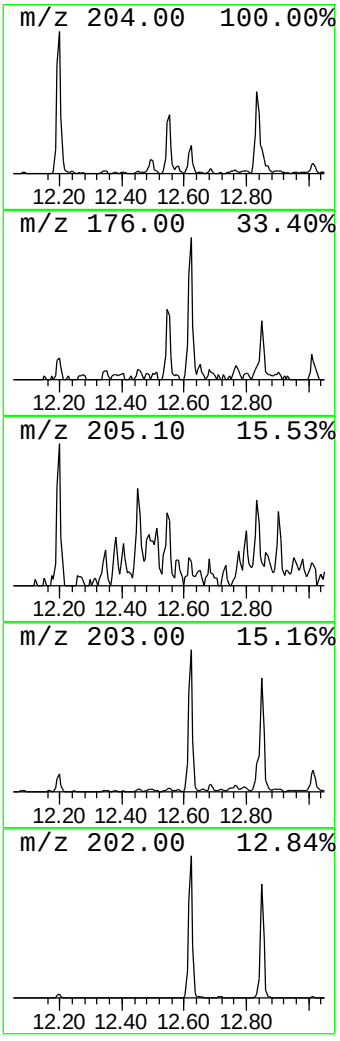
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.01 ng	89981	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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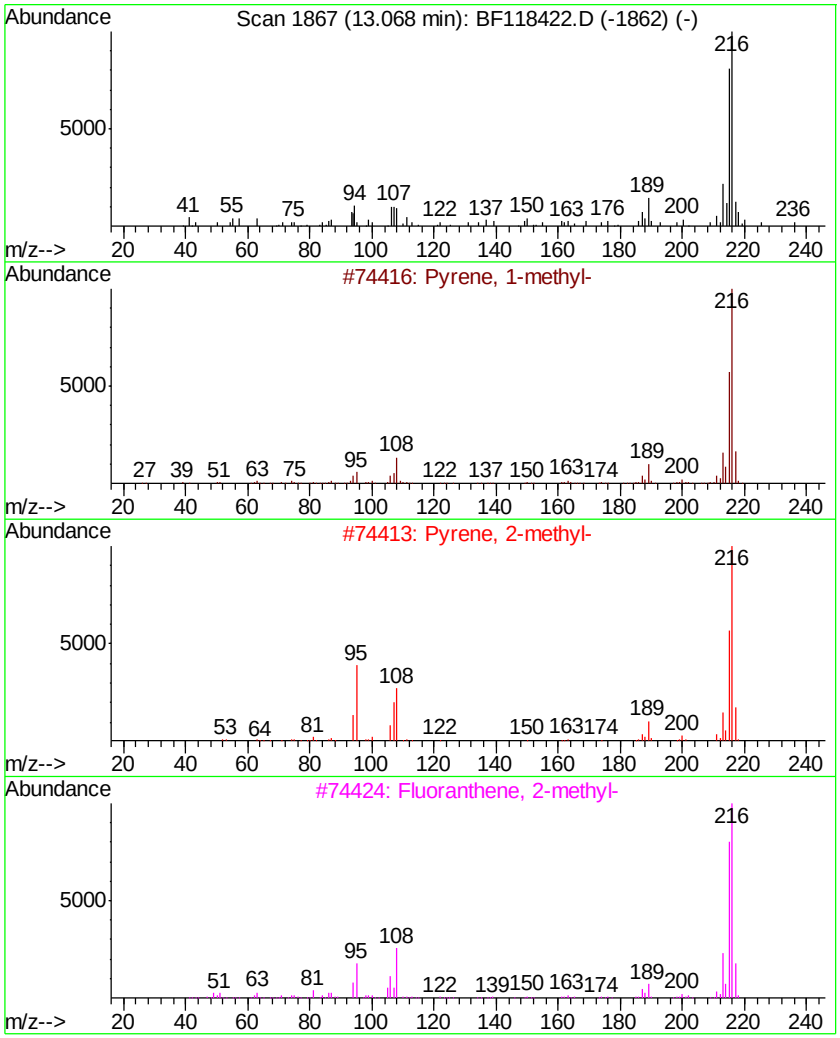
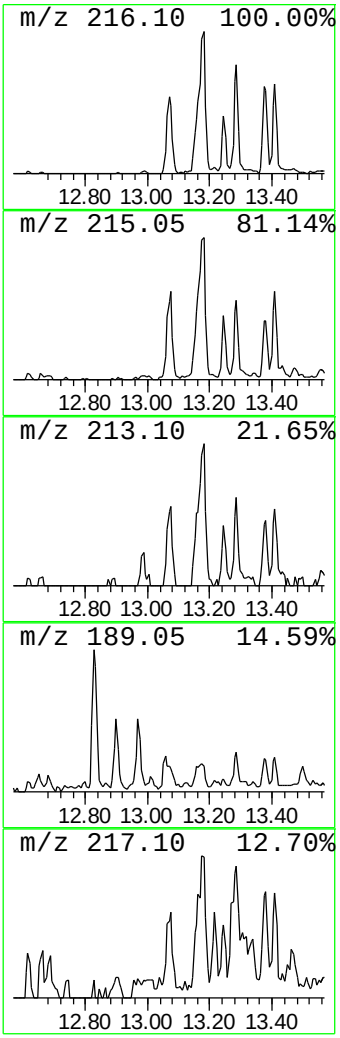
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.09 ng	120031	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	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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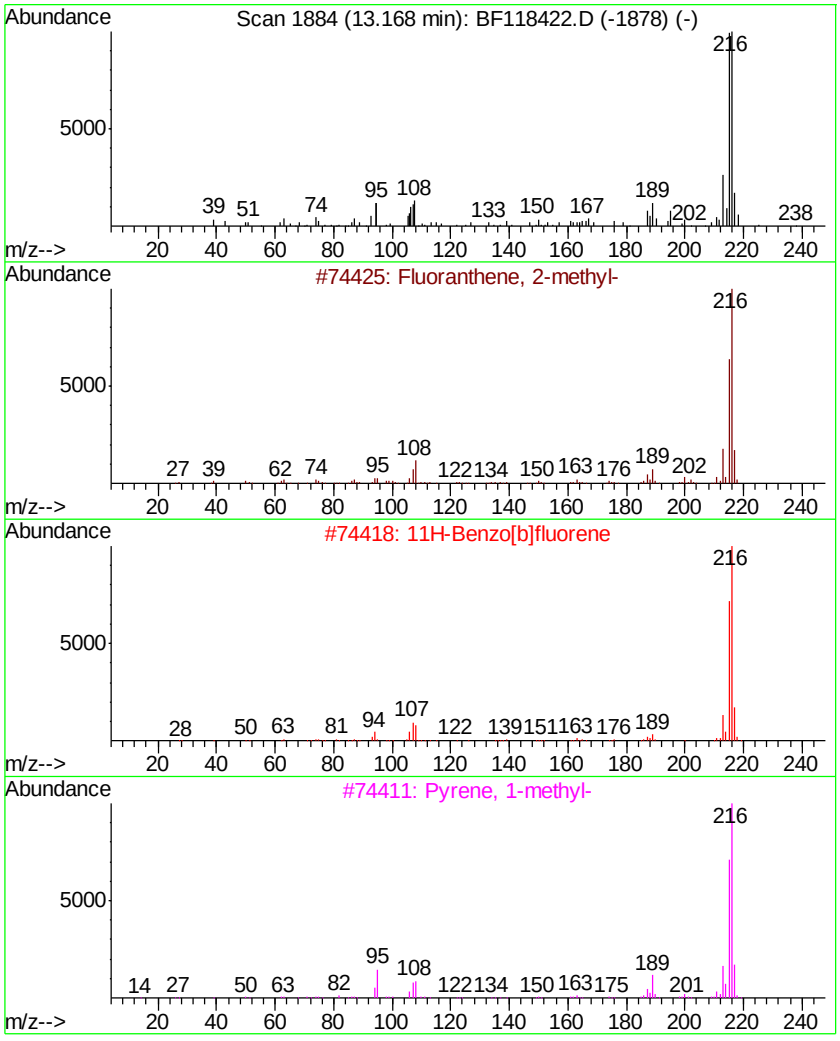
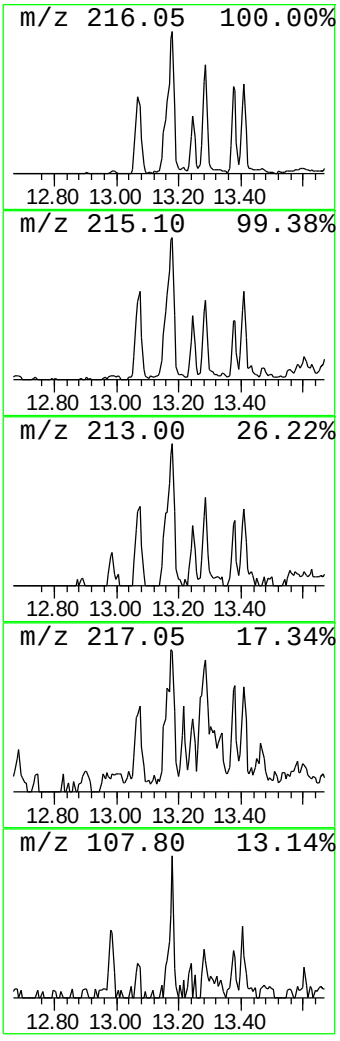
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.35 ng	192662	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	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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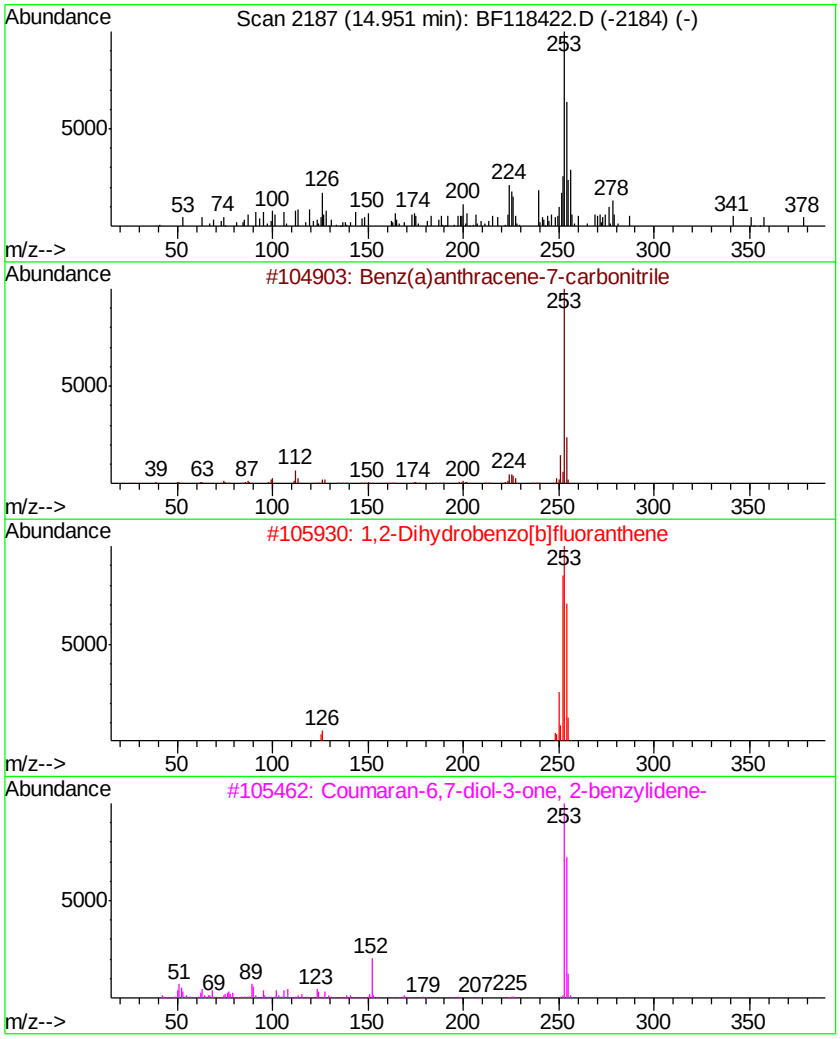
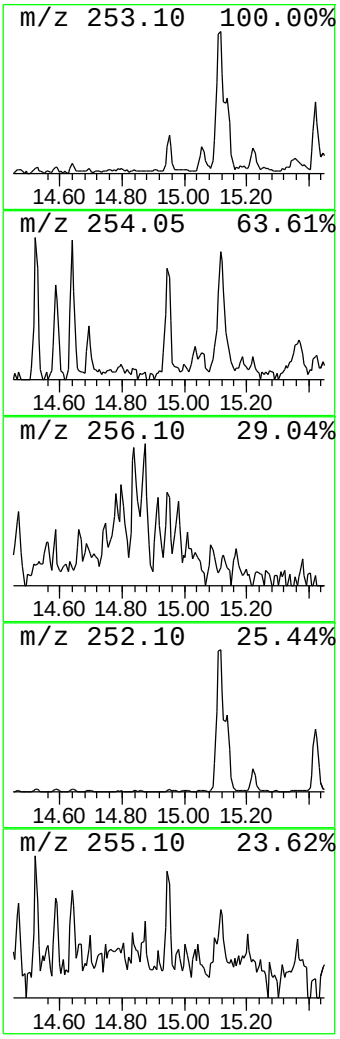
Peak Number 16 unknown14.95 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.32 ng	54238	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	49
3	Coumaran-6,7-diol-3-one, 2-benzy...	254	C15H10O4	029813-90-9	43
4	2-Propenoic acid, 2-chloro-3-[4-...	253	C13H16ClNO2	1000305-67-8	38
5	2-Propen-1-one, 3-(4-nitrophenyl...	253	C15H11NO3	001222-98-6	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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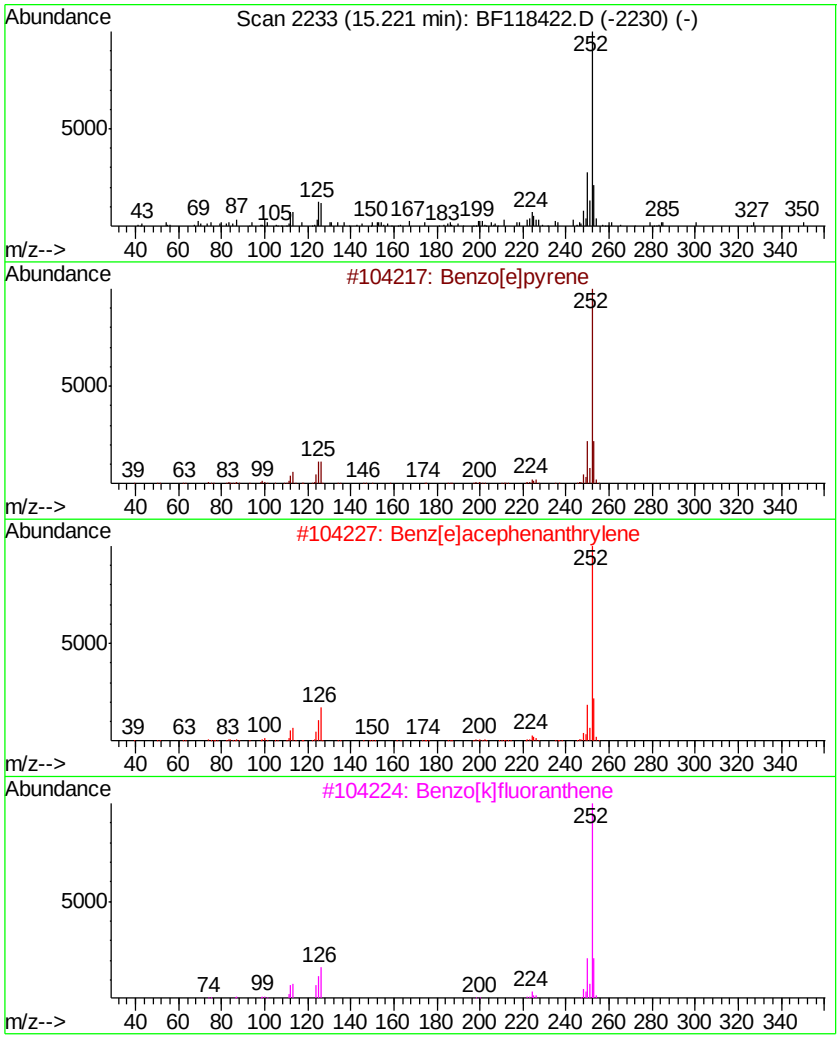
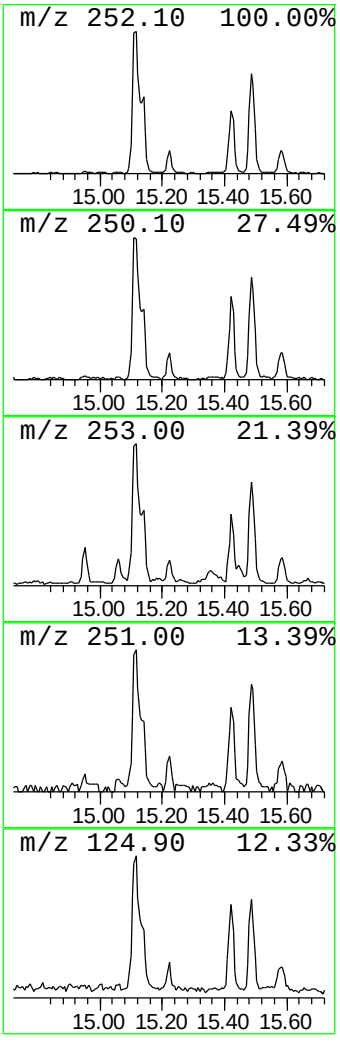
Peak Number 17 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	3.15 ng	73527	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	83
5	Benzo[a]pyrene	252	C20H12	000050-32-8	83





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Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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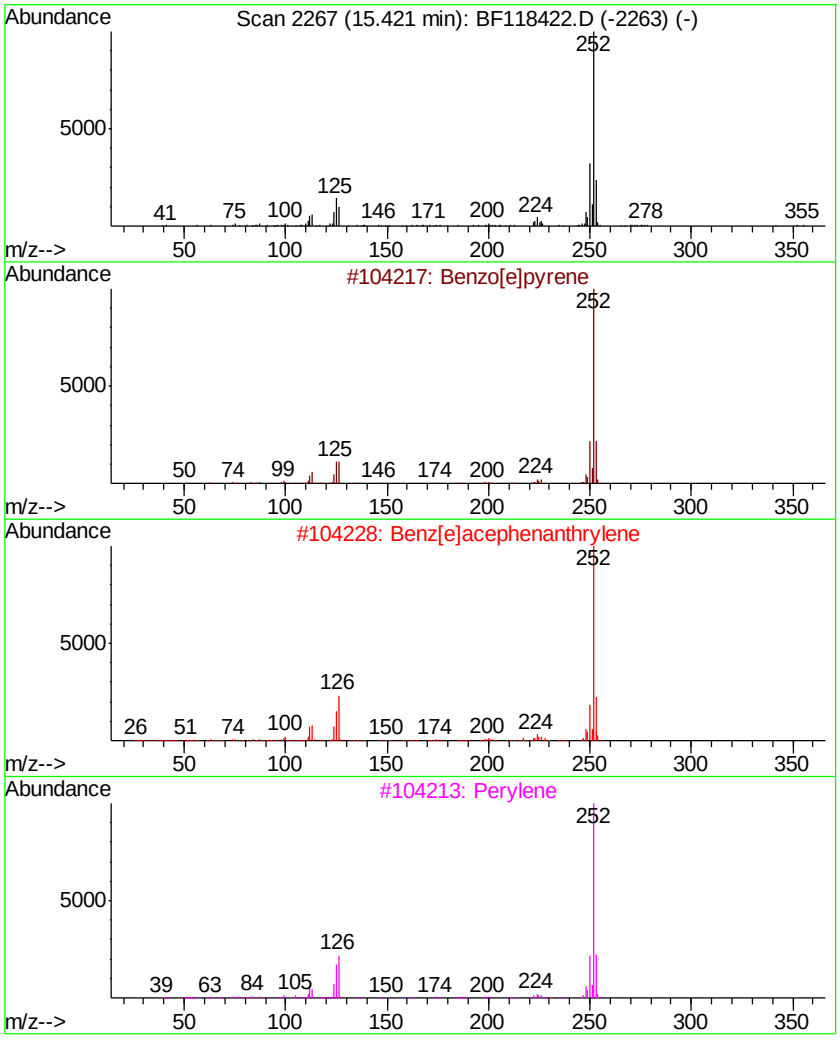
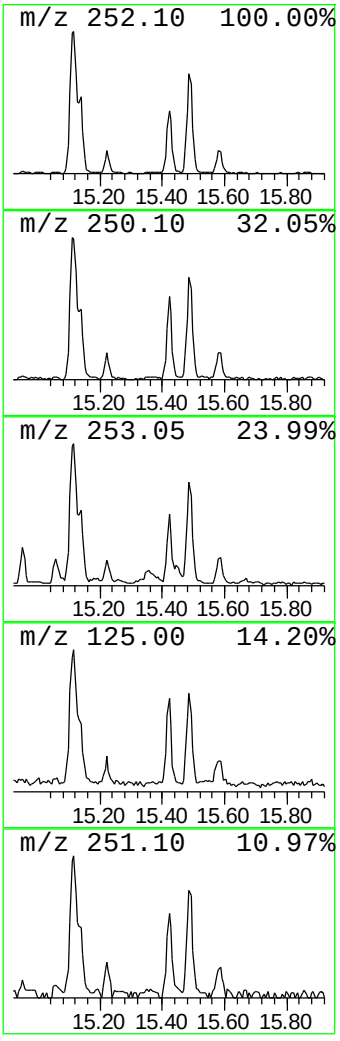
Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	8.13 ng	189915	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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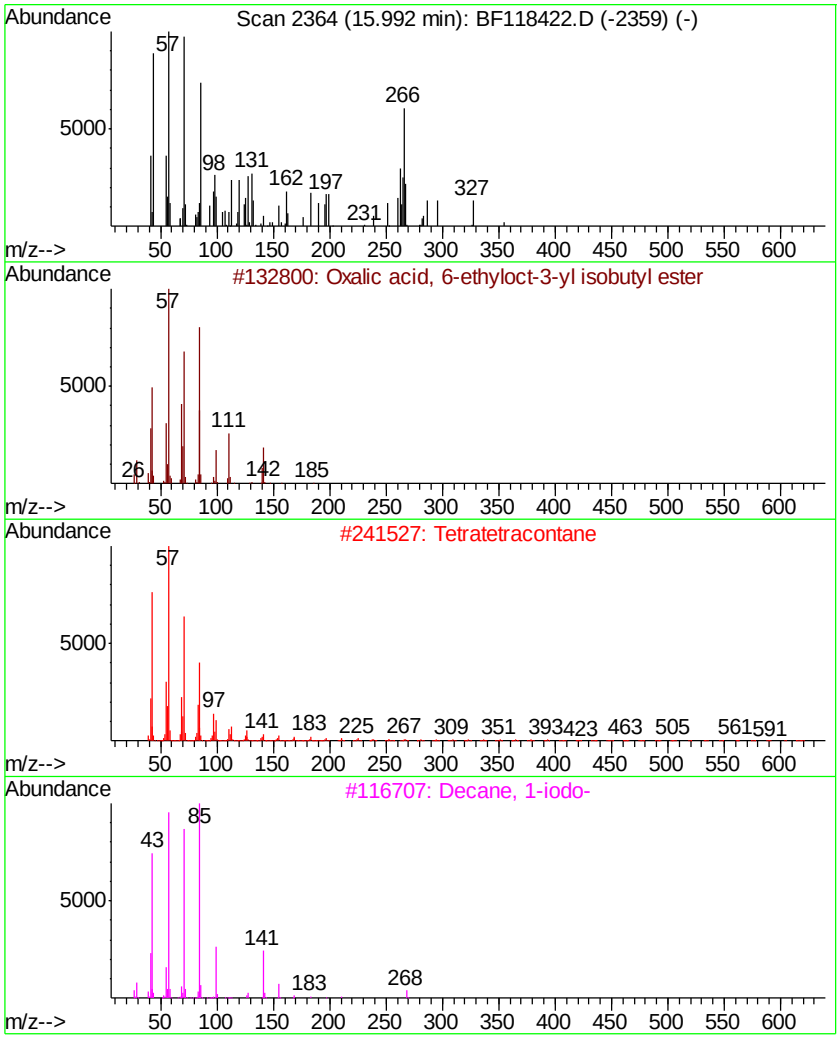
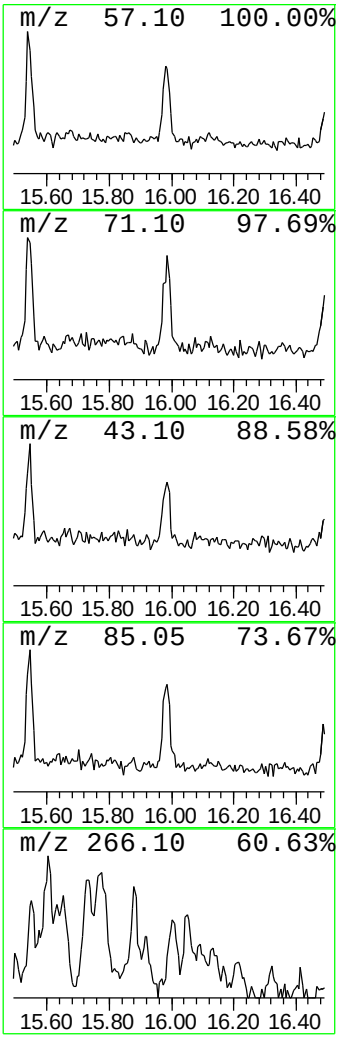
Peak Number 19 unknown15.99 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.67 ng	62405	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	47
2	Tetratetracontane	619	C44H90	007098-22-8	47
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	47
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	47
5	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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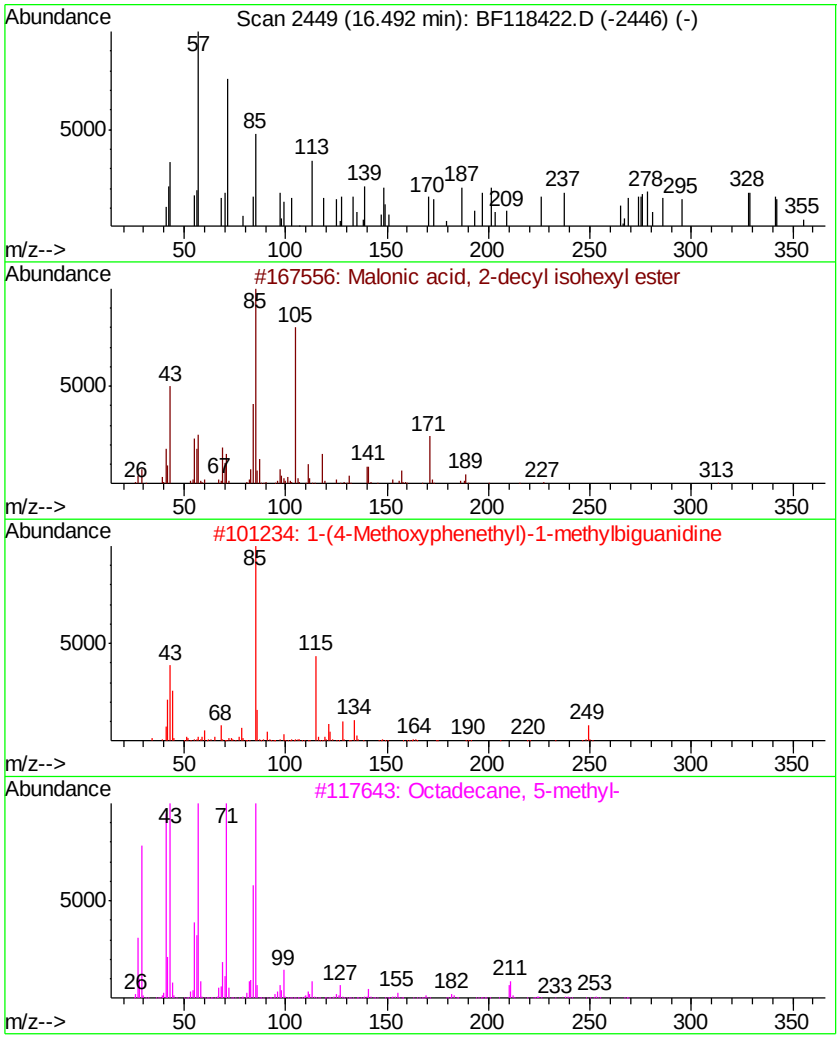
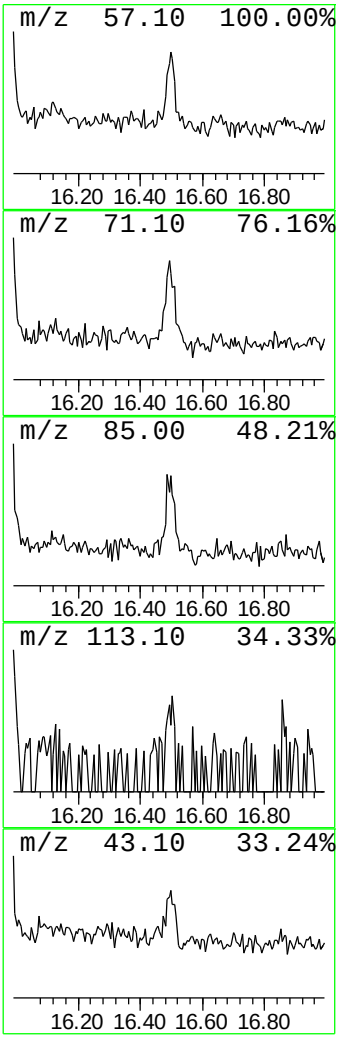
Peak Number 20 unknown16.49 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.27 ng	53079	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Malonic acid, 2-decyl isohexyl e...	328	C19H36O4	1000349-09-1	14
2	1-(4-Methoxyphenethyl)-1-methylb...	249	C12H19N5O	068374-37-8	14
3	Octadecane, 5-methyl-	268	C19H40	025117-35-5	14
4	Piperazine, 1,4-bis[(1,1-dimethy...	326	C12H26N2S4	037004-94-7	10
5	Nonadecane	268	C19H40	000629-92-5	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
unknown6.63	6.63	17.9	ng	398370	1	6.85	445238	20.0
9H-Fluoren-9-one	11.20	2.9	ng	87892	4	11.40	598168	20.0
Anthracene, 1,2,3...	11.25	2.7	ng	80963	4	11.40	598168	20.0
Dibenzothiophene	11.29	3.5	ng	103598	4	11.40	598168	20.0
Phenanthrene, 2-m...	11.90	5.4	ng	162783	4	11.40	598168	20.0
1H-Cyclopropa[l]p...	11.93	6.9	ng	207625	4	11.40	598168	20.0
4H-Cyclopenta[def...	12.02	6.8	ng	203595	4	11.40	598168	20.0
Naphthalene, 2-ph...	12.20	3.3	ng	99796	4	11.40	598168	20.0
9,10-Anthracenedione	12.23	2.8	ng	82815	4	11.40	598168	20.0
Phenanthrene, 2,5...	12.45	2.6	ng	78742	4	11.40	598168	20.0
Cyclopenta(def)ph...	12.55	3.0	ng	89981	4	11.40	598168	20.0
Pyrene, 1-methyl-	13.07	2.1	ng	120031	5	14.06	1148700	20.0
Fluoranthene, 2-m...	13.17	3.4	ng	192662	5	14.06	1148700	20.0
unknown14.95	14.95	2.3	ng	54238	6	15.55	467339	20.0
Benzo[e]pyrene	15.22	3.1	ng	73527	6	15.55	467339	20.0
Perylene	15.42	8.1	ng	189915	6	15.55	467339	20.0
unknown15.99	15.99	2.7	ng	62405	6	15.55	467339	20.0
unknown16.49	16.49	2.3	ng	53079	6	15.55	467339	20.0