LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

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-BF110619.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	2.216	17	22	39	rVB	1136100	1674448	19.05%	1.105%
2	5.145	515	520	528	rVB	903721	976727	11.11%	0.645%
3	5.539	582	587	591	rBV	4750780	4688482	53.33%	3.094%
4	6.545	753	758	761	rBV	5148479	5214162	59.31%	3.441%
5	6.698	780	784	787	rBV	5984669	5352977	60.89%	3.532%
6	6.934	820	824	827	rBV	2347798	1799615	20.47%	1.188%
7	7.092	847	851	854	rBV	5180224	4381498	49.84%	2.891%
8	7.492	914	919	922	rBV	3997285	3380215	38.45%	2.230%
9	8.222	1037	1043	1045	rBV	2762210	2389726	27.18%	1.577%
10	8.933	1161	1164	1167	rVB	203162	146435	1.67%	0.097%
11	9.298	1221	1226	1229	rBV	7855938	6577017	74.81%	4.340%
12	9.686	1290	1292	1297	rVB	327144	273119	3.11%	0.180%
13	9.980	1335	1342	1345	rBV	3427854	2797827	31.83%	1.846%
14	10.016	1345	1348	1350	rVB	376527	334347	3.80%	0.221%
15	10.180	1373	1376	1380	rVB	245322	241675	2.75%	0.159%
16	10.527	1431	1435	1441	rBV	549199	496652	5.65%	0.328%
17	10.686	1460	1462	1466	rVB	228502	183062	2.08%	0.121%
18	10.769	1472	1476	1480	rBV	4556517	4057541	46.16%	2.677%
19	10.898	1494	1498	1502	rVB3	245745	298880	3.40%	0.197%
20	11.080	1526	1529	1531	rVB2	234762	188697	2.15%	0.125%
21	11.210	1546	1551	1553	rBV3	211128	299204	3.40%	0.197%
22	11.274	1559	1562	1566	rVB2	292676	269431	3.06%	0.178%
23	11.321	1567	1570	1571	rBV	200332	222765	2.53%	0.147%
24	11.369	1575	1578	1585	rVB	461900	466262	5.30%	0.308%
25	11.474	1592	1596	1598	rBV	3043107	2904432	33.04%	1.917%
26	11.498	1598	1600	1604	rVV	5959878	5217749	59.35%	3.443%
27	11.551	1605	1609	1611	rVV	1606519	1439452	16.37%	0.950%
28	11.580	1611	1614	1617	rVV2	126301	160734	1.83%	0.106%
29	11.698	1631	1634	1636	rBV	507448	441657	5.02%	0.291%
30	11.769	1644	1646	1648	rBV	249802	170098	1.93%	0.112%
31	11.804	1650	1652	1658	rVB2	229346	184667	2.10%	0.122%
32	11.974	1679	1681	1683	rBV	1037723	942640	10.72%	0.622%
33	12.004	1683	1686	1689	rVV	1633954	1535487	17.47%	1.013%
34	12.051	1692	1694	1697	rVV	582178	474948	5.40%	0.313%

LSC Area Percent Report

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Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

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-BF110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.092	1697	1701	1703	rVV2	1605842	1906363	21.69%	1.258%
36	12.110	1703	1704	1707	rVB	825772	567392	6.45%	0.374%
37	12.274	1729	1732	1734	rBV	754424	590813	6.72%	0.390%
38	12.292	1734	1735	1741	rVB2	604815	443149	5.04%	0.292%
39	12.421	1755	1757	1760	rVB	312262	230701	2.62%	0.152%
40	12.457	1760	1763	1765	rBV	313052	311816	3.55%	0.206%
41	12.527	1772	1775	1778	rBV	769110	776372	8.83%	0.512%
42	12.568	1778	1782	1787	rVV2	562636	970713	11.04%	0.641%
43	12.610	1787	1789	1795	rVB2	550374	671728	7.64%	0.443%
44	12.698	1800	1804	1807	rVB	7962984	8195564	93.23%	5.408%
45	12.739	1807	1811	1813	rBV	135911	144038	1.64%	0.095%
46	12.845	1827	1829	1832	rBV	332091	291041	3.31%	0.192%
47	12.927	1837	1843	1848	rVV2	6850619	8791089	100.00%	5.801%
48	12.968	1848	1850	1856	rVB2	454415	558081	6.35%	0.368%
49	13.039	1860	1862	1863	rBV	499347	383806	4.37%	0.253%
50	13.063	1863	1866	1870	rVB	5734424	5573474	63.40%	3.678%
51	13.139	1875	1879	1882	rBV3	688790	1043350	11.87%	0.688%
52	13.227	1891	1894	1895	rBV2	537991	526791	5.99%	0.348%
53	13.251	1895	1898	1901	rVB	1628352	1429947	16.27%	0.944%
54	13.315	1907	1909	1912	rVB	1003470	852459	9.70%	0.563%
55	13.357	1912	1916	1918	rBV2	915942	938556	10.68%	0.619%
56	13.451	1929	1932	1934	rVB	438647	398084	4.53%	0.263%
57	13.480	1934	1937	1940	rBV	443986	455674	5.18%	0.301%
58	13.757	1981	1984	1989	rVB	888821	923799	10.51%	0.610%
59	13.874	1999	2004	2006	rBV2	813732	1135634	12.92%	0.749%
60	13.898	2006	2008	2010	rVV	822675	750371	8.54%	0.495%
61	13.921	2010	2012	2016	rVV2	683143	959917	10.92%	0.633%
62	13.962	2016	2019	2025	rVB3	1639468	1919160	21.83%	1.266%
63	14.039	2030	2032	2039	rVB2	298997	430416	4.90%	0.284%
64	14.115	2040	2045	2049	rBV3	5214927	7917030	90.06%	5.224%
65	14.151	2049	2051	2056	rVB	4265801	4081076	46.42%	2.693%
66	14.233	2062	2065	2068	rBV	732428	644838	7.34%	0.426%
67	14.310	2075	2078	2080	rVB2	406919	419949	4.78%	0.277%
68	14.339	2080	2083	2087	rBV2	548004	605929	6.89%	0.400%
69	14.474	2103	2106	2108	rBV	343394	345113	3.93%	0.228%
70	14.509	2108	2112	2115	rVV	1174723	1306462	14.86%	0.862%
71	14.545	2115	2118	2121	rVV	653481	674980	7.68%	0.445%

LSC Area Percent Report

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Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

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-BF110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.598	2124	2127	2131	rVV2	627368	994199	11.31%	0.656%
73	14.633	2131	2133	2135	rVV	546859	535947	6.10%	0.354%
74	14.657	2135	2137	2141	rVB3	583798	568714	6.47%	0.375%
75	14.821	2162	2165	2168	rBV2	258639	337849	3.84%	0.223%
76	14.909	2177	2180	2184	rBV4	387767	422243	4.80%	0.279%
77	14.998	2191	2195	2198	rBV2	1166529	1387718	15.79%	0.916%
78	15.092	2208	2211	2214	rVB2	174756	182131	2.07%	0.120%
79	15.192	2222	2228	2231	rBV	3767407	6314786	71.83%	4.167%
80	15.268	2238	2241	2243	rBV	338494	367876	4.18%	0.243%
81	15.298	2243	2246	2250	rVB	902553	984430	11.20%	0.650%
82	15.392	2259	2262	2263	rBV2	209022	226058	2.57%	0.149%
83	15.509	2277	2282	2287	rVB	2372550	3138248	35.70%	2.071%
84	15.574	2287	2293	2299	rBV	3329914	4248138	48.32%	2.803%
85	15.639	2299	2304	2307	rVV	1876804	2616639	29.76%	1.727%
86	15.668	2307	2309	2316	rVB2	1234336	1651692	18.79%	1.090%
87	15.809	2330	2333	2338	rBV4	138680	261789	2.98%	0.173%
88	16.139	2385	2389	2393	rBV2	289349	428297	4.87%	0.283%
89	16.186	2393	2397	2400	rVV3	218622	326920	3.72%	0.216%
90	16.221	2400	2403	2407	rVB2	203240	269922	3.07%	0.178%
91	16.562	2458	2461	2465	rBV4	125742	208007	2.37%	0.137%
92	16.674	2476	2480	2483	rBV5	129342	232734	2.65%	0.154%
93	16.980	2528	2532	2533	rBV	172111	244948	2.79%	0.162%
94	17.174	2558	2565	2573	rVB2	1452324	3104295	35.31%	2.048%
95	17.256	2575	2579	2583	rVB	106757	163771	1.86%	0.108%
96	17.321	2584	2590	2591	rBV4	93522	192377	2.19%	0.127%
97	17.356	2592	2596	2601	rVV	231876	436831	4.97%	0.288%
98	17.415	2602	2606	2611	rVB2	221880	392292	4.46%	0.259%
99	17.639	2636	2644	2661	rVB	1059277	2491518	28.34%	1.644%
100	17.874	2679	2684	2690	rBV	246634	467154	5.31%	0.308%

Sum of corrected areas: 151545826

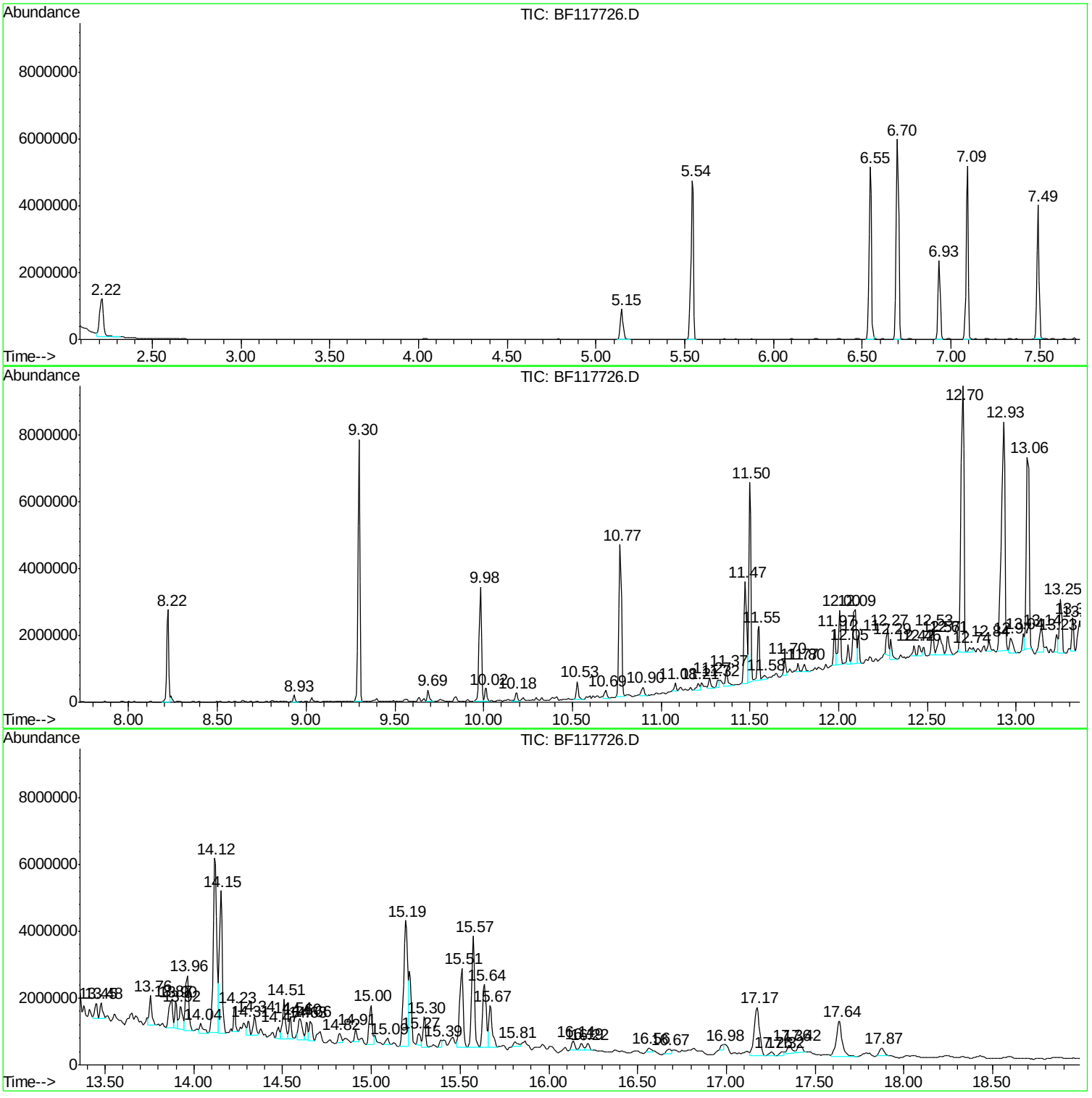
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

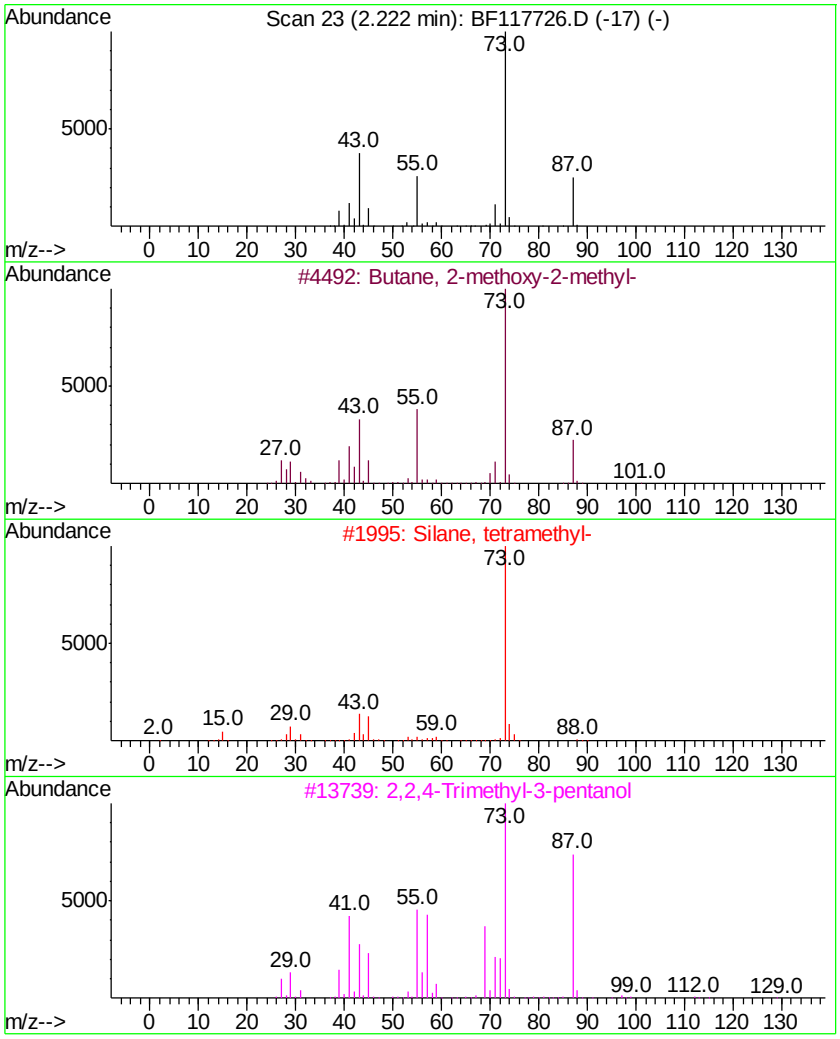
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

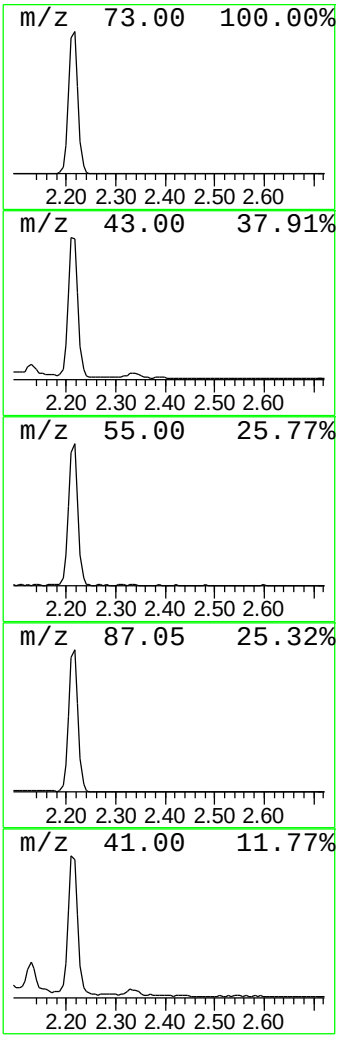
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	18.61 ng	1674450	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





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Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

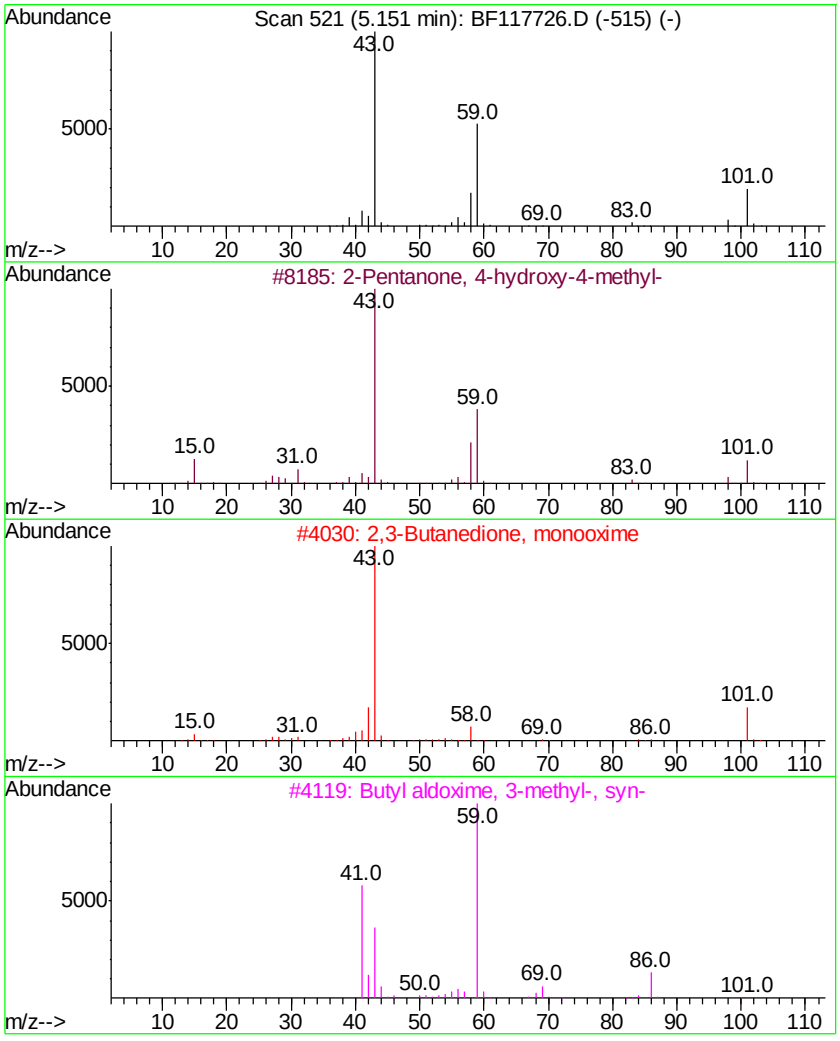
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

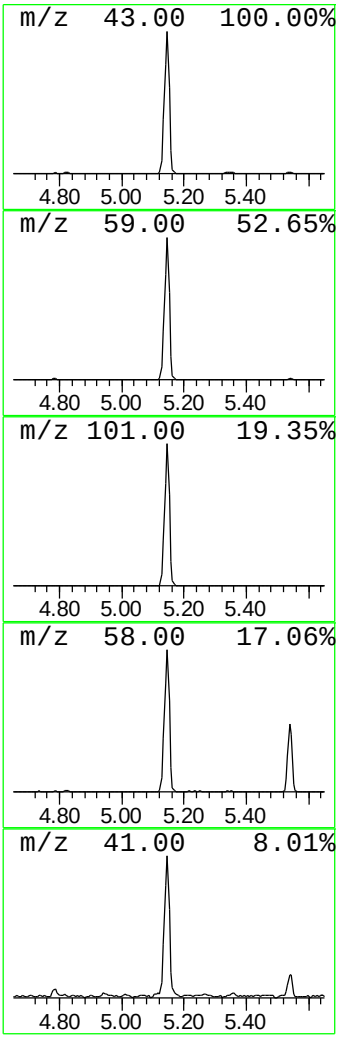
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	10.85 ng	976727	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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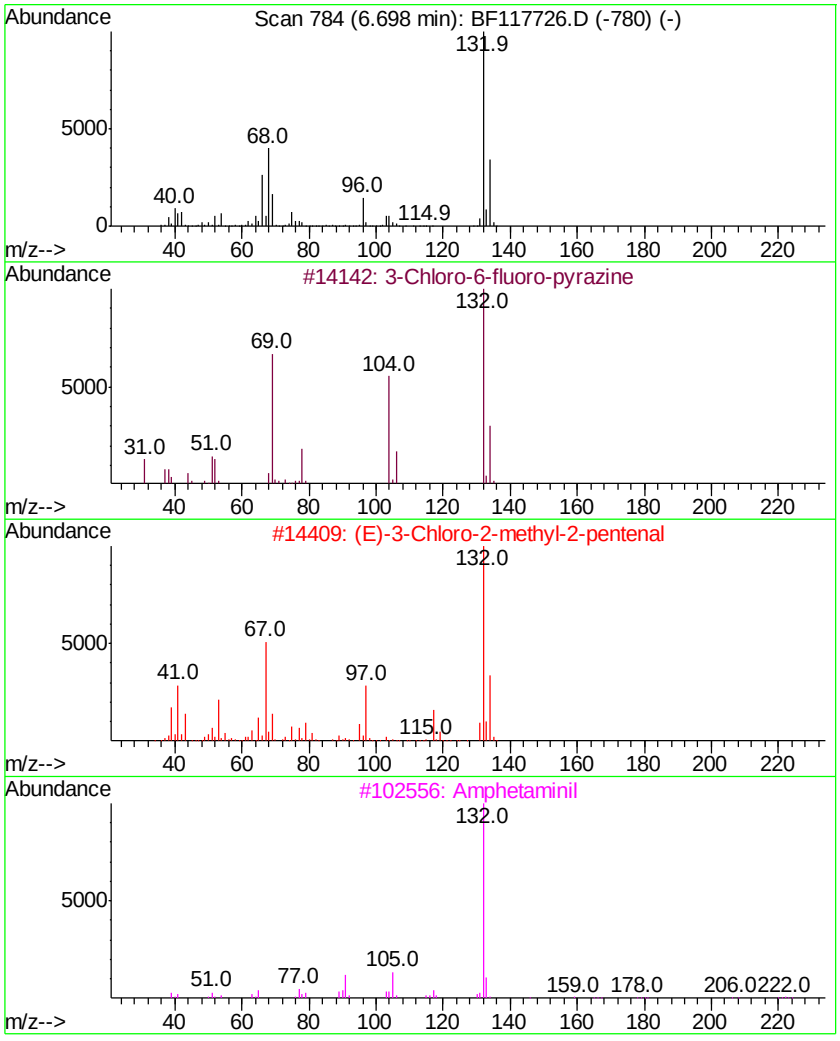
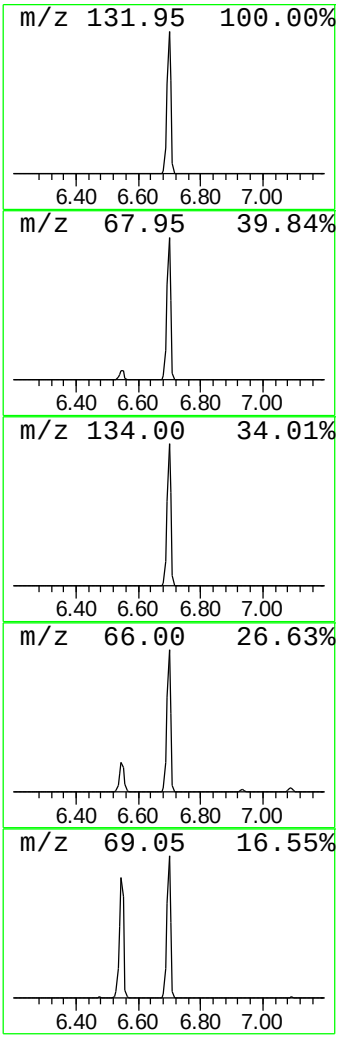
Peak Number 3 unknown6.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	59.49 ng	5352980	1,4-Dichlorobenzene-d4	6.93

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	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
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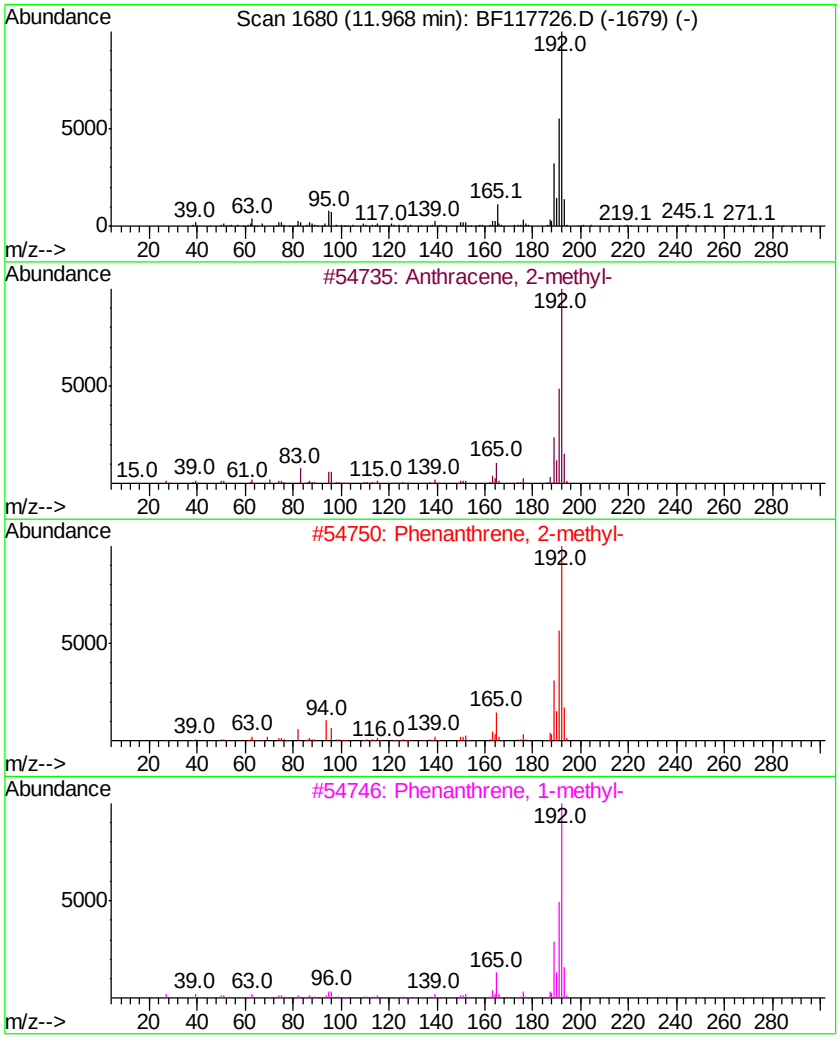
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

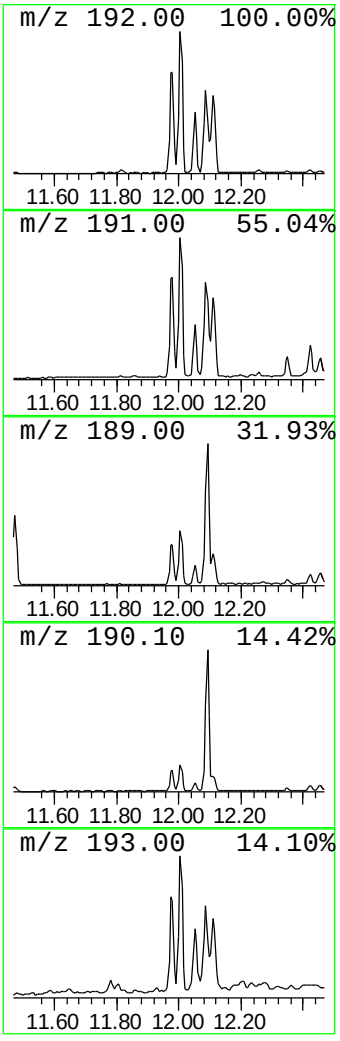
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	6.49 ng	942640	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

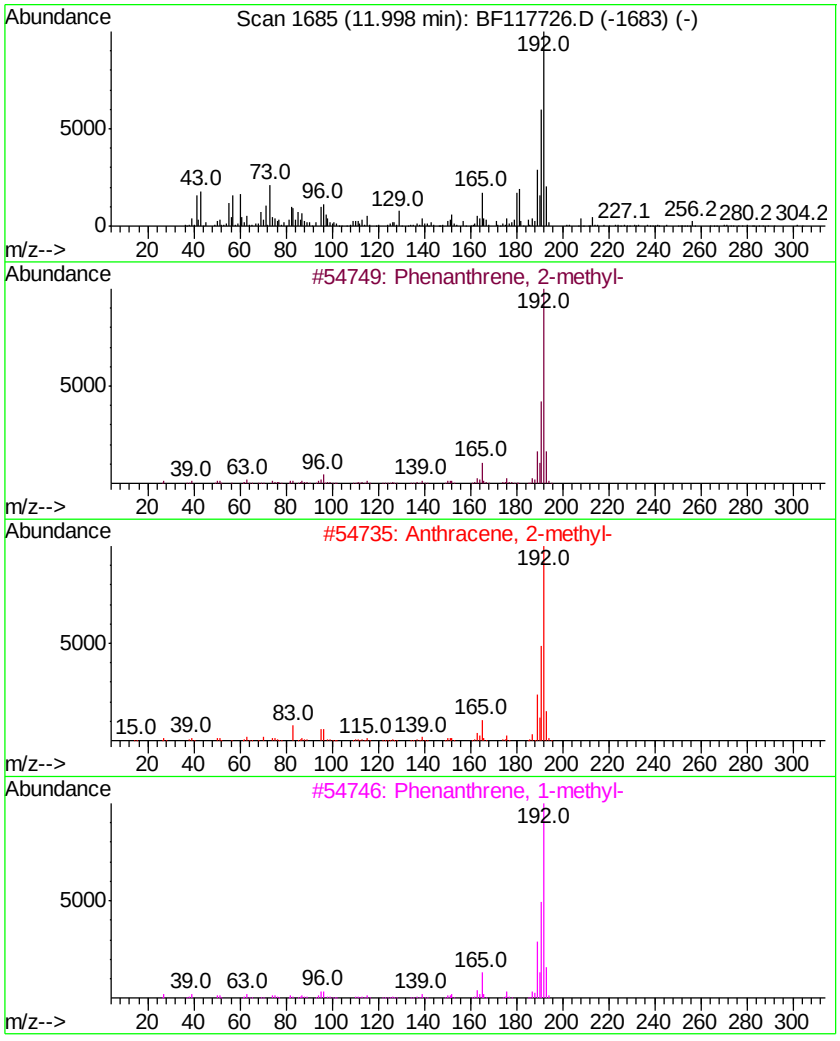
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

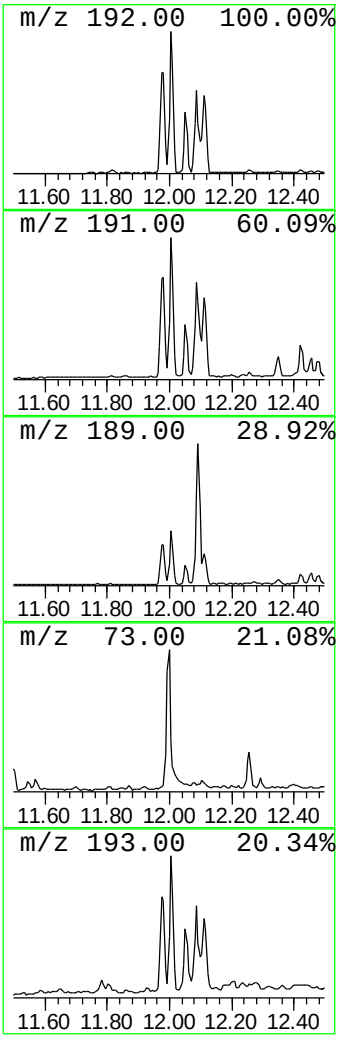
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.57 ng	1535490	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : JU
Sample : K5722-11
Misc :
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Instrument : BNA_F
ClientSampleId : 1-A

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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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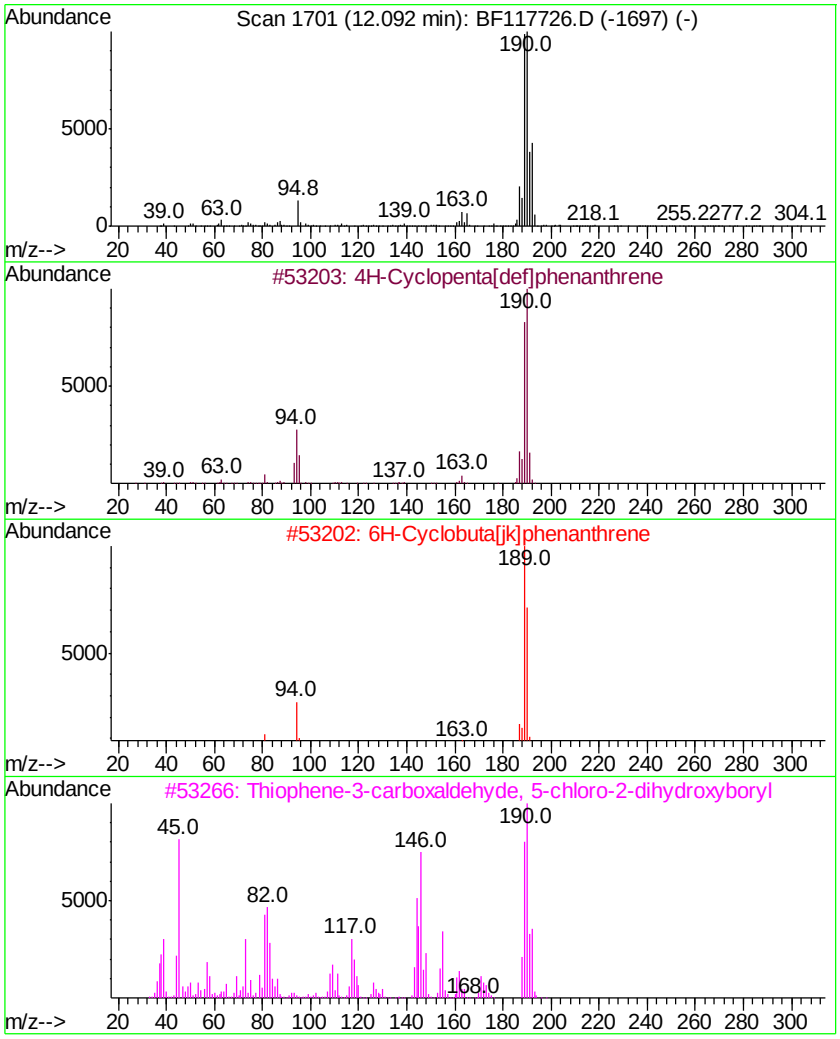
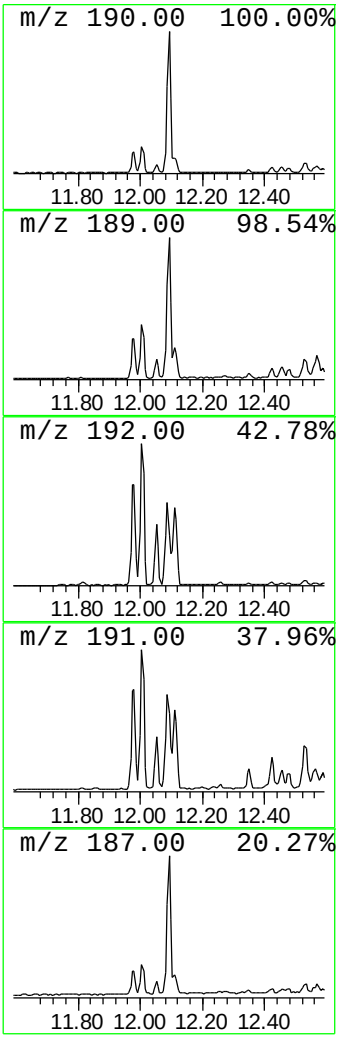
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	13.13 ng	1906360	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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

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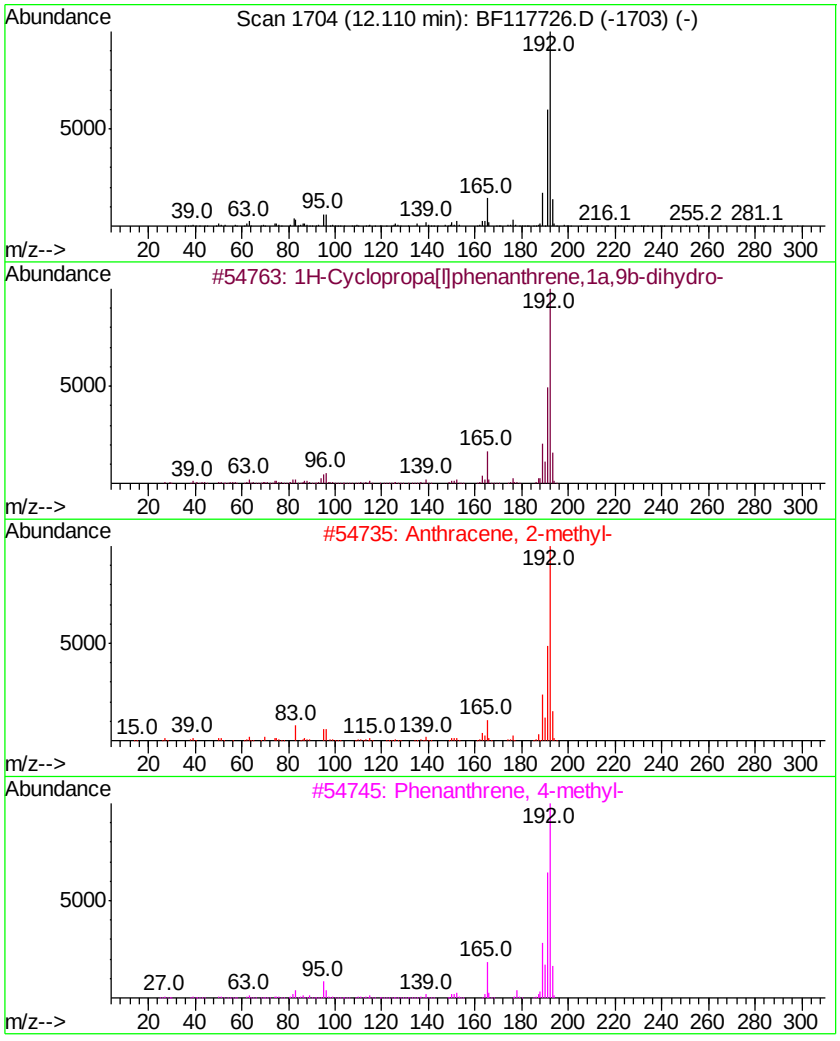
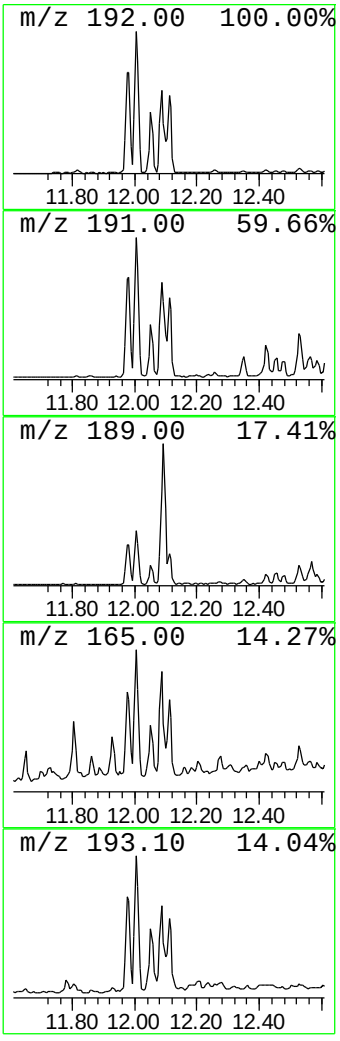
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.91 ng	567392	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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

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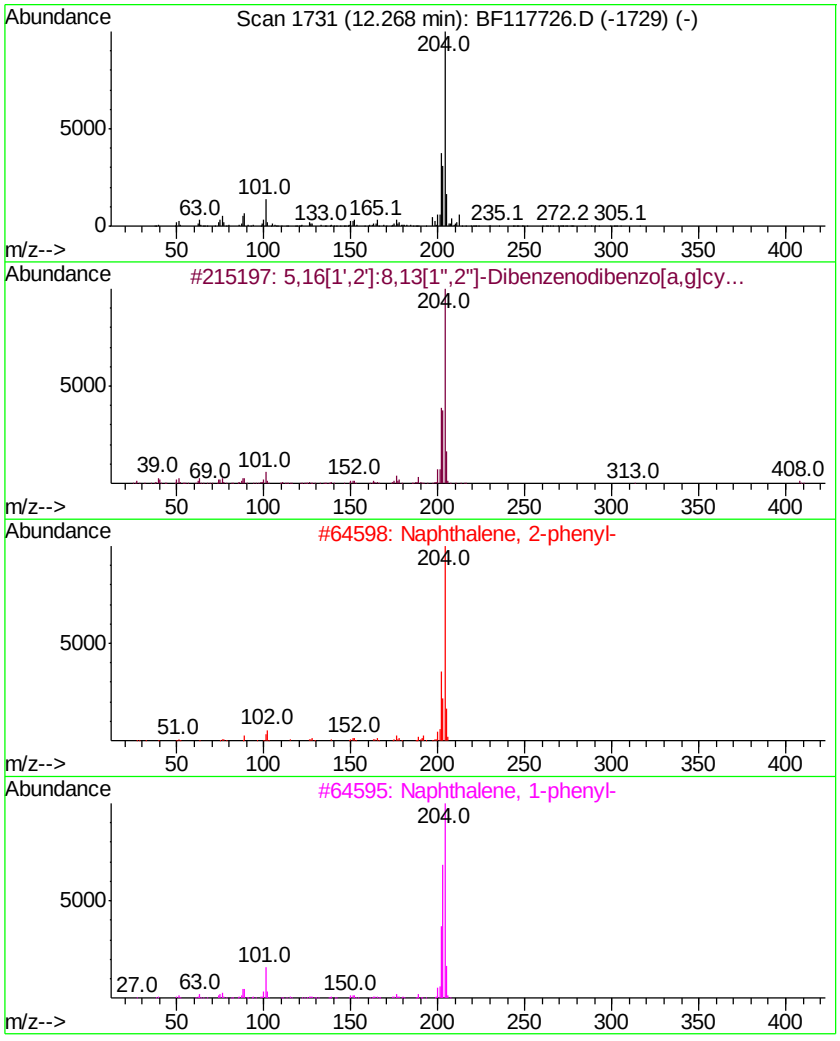
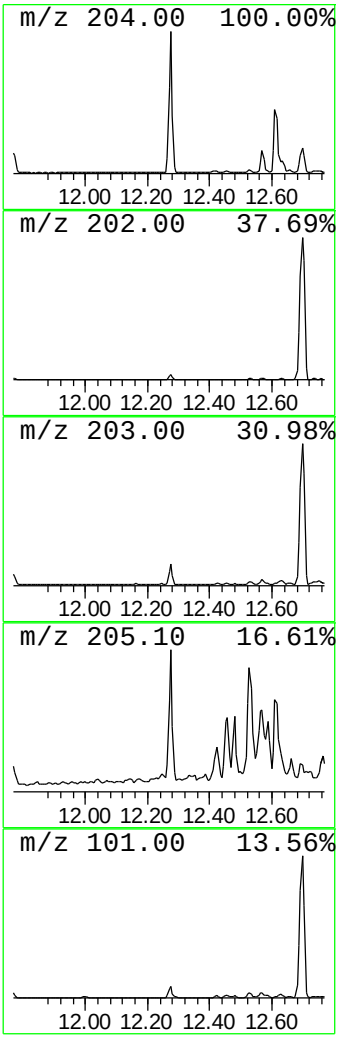
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	4.07 ng	590813	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53





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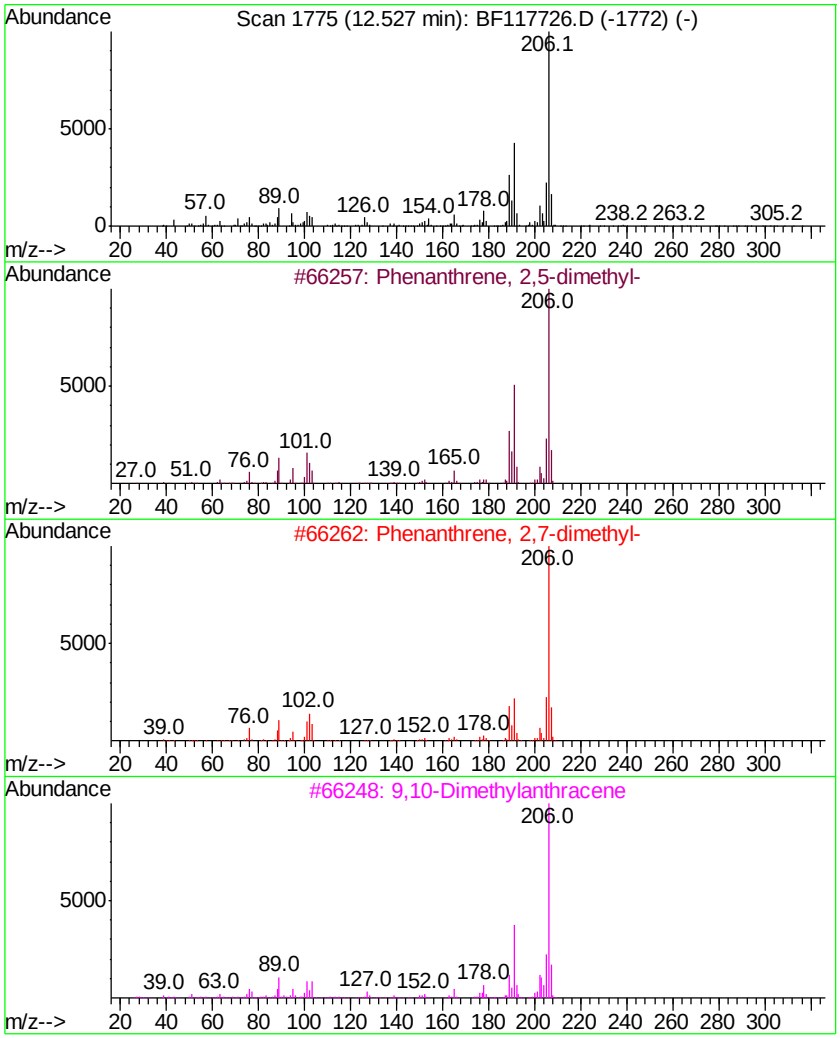
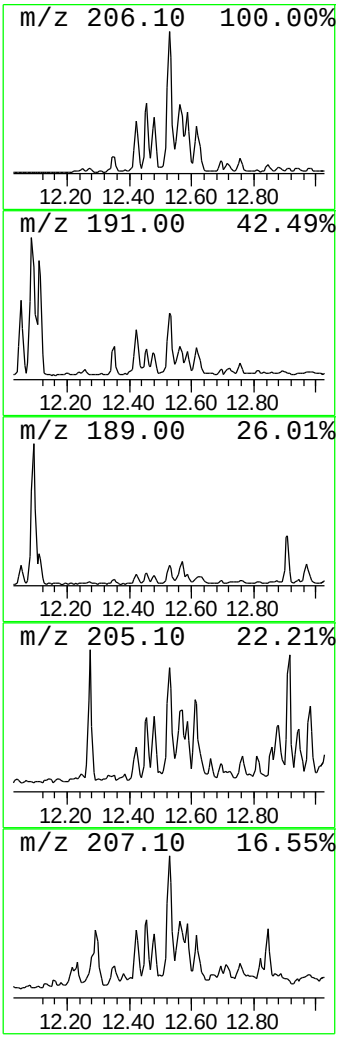
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	5.35 ng	776372	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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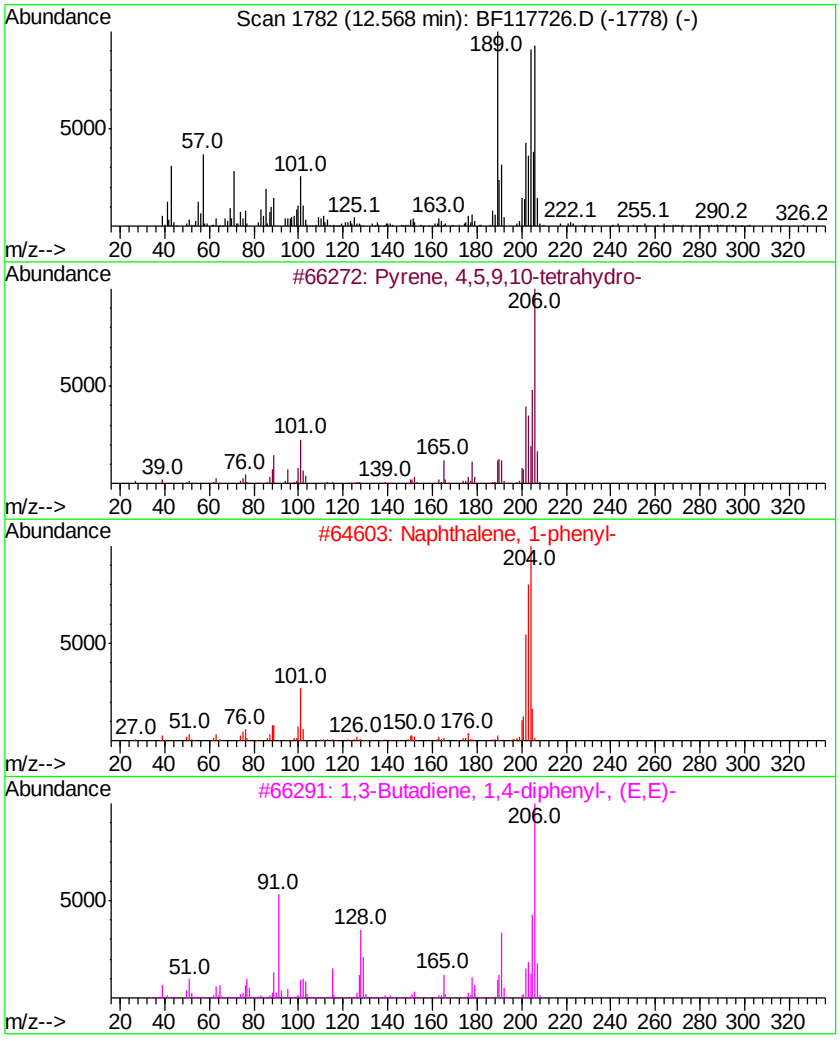
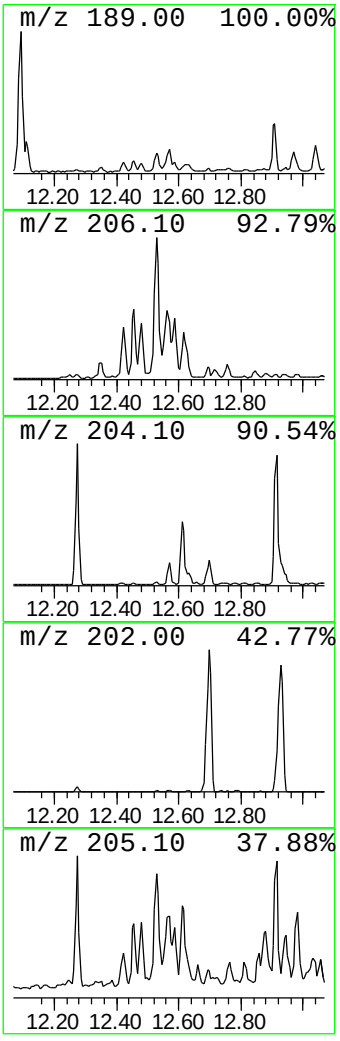
Peak Number 11 unknown12.57 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	6.68 ng	970713	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	41
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30





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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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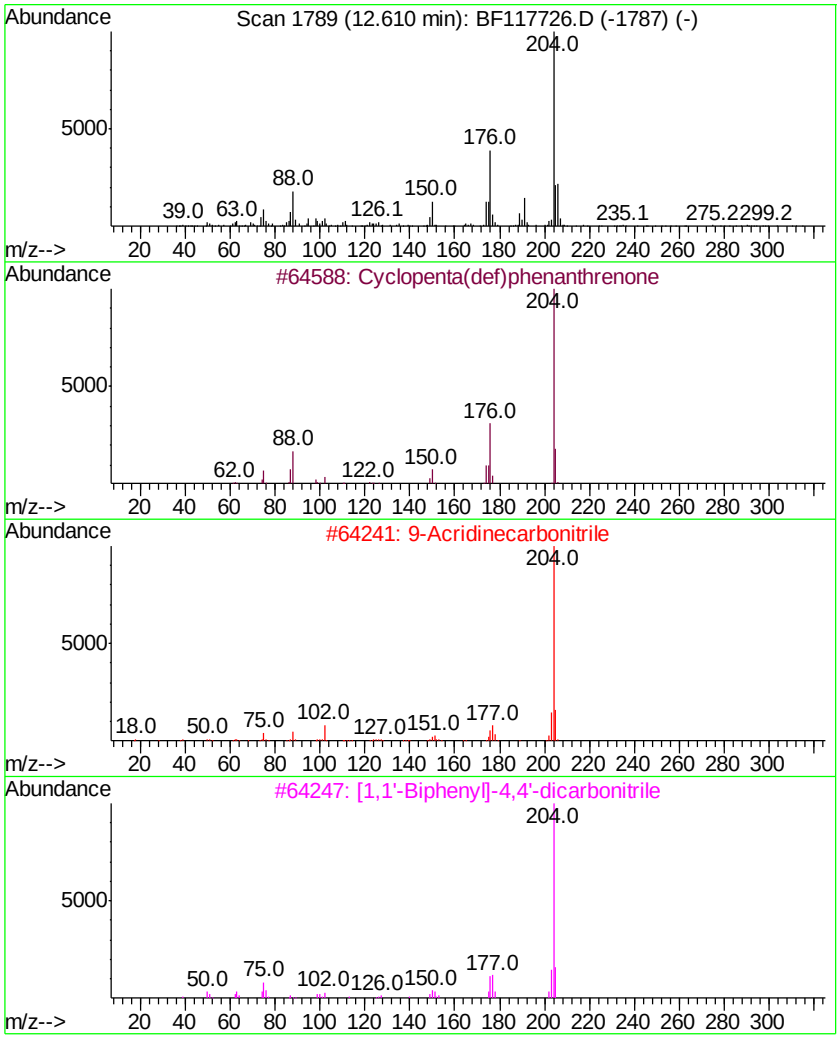
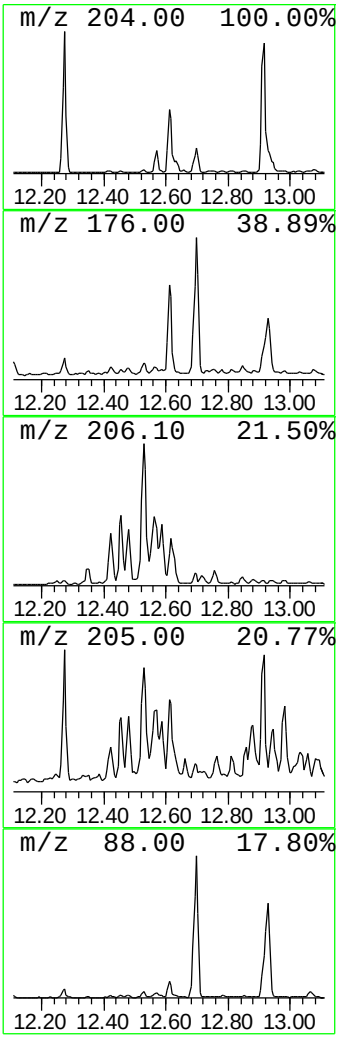
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	4.63 ng	671728	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	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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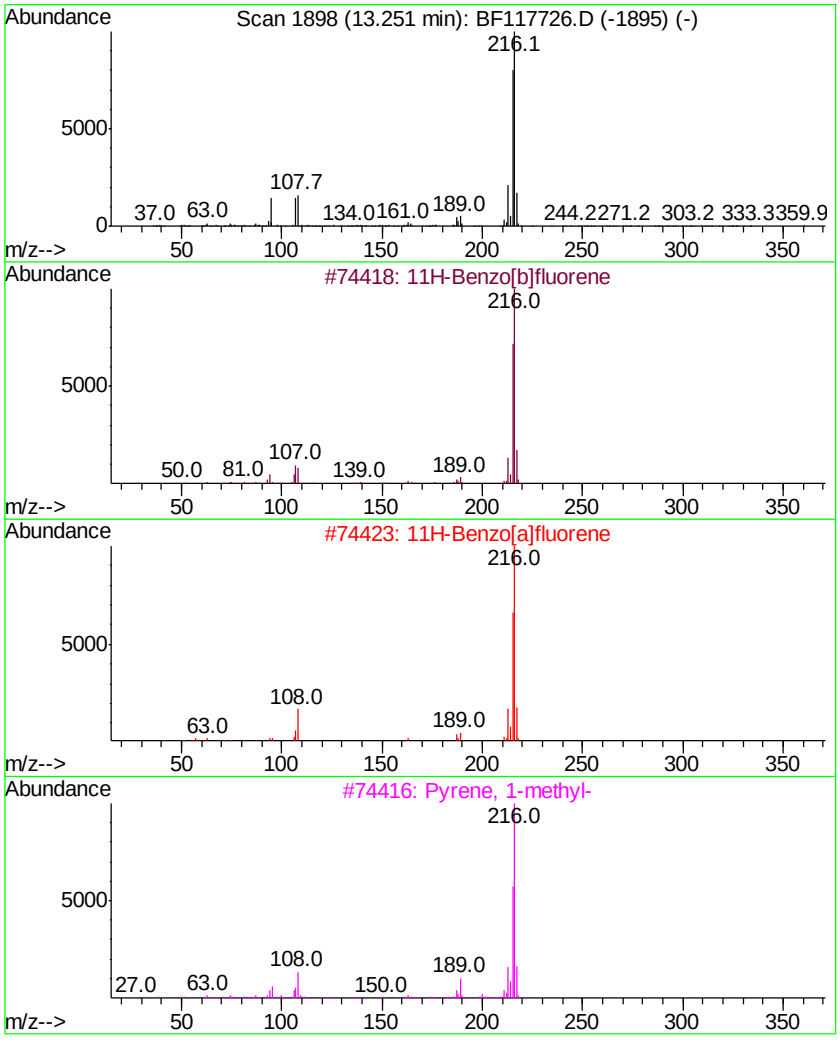
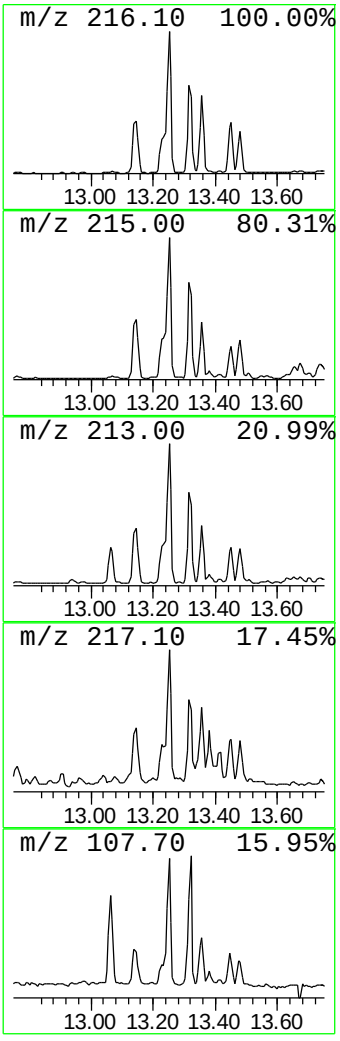
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.61 ng	1429950	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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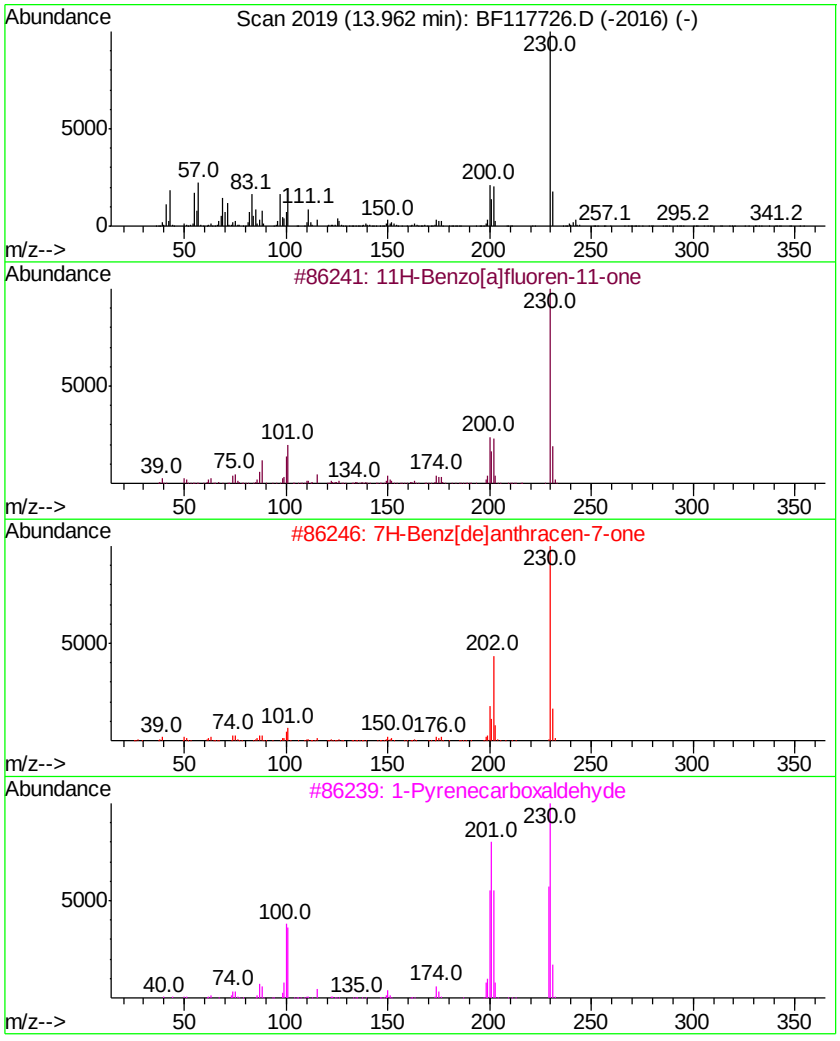
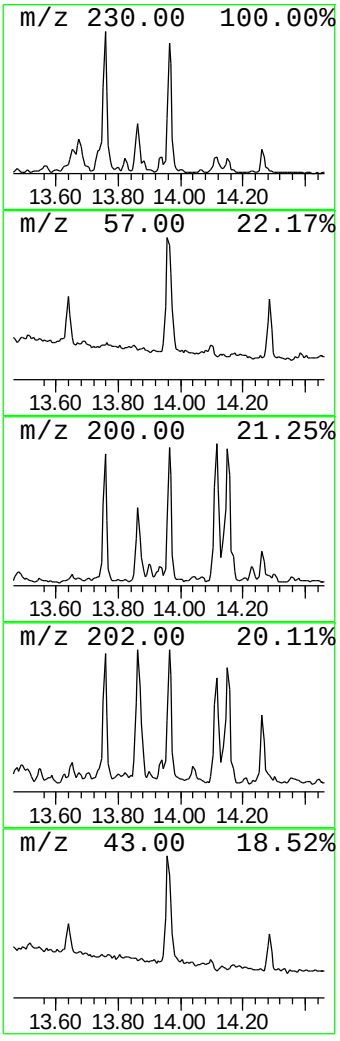
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.85 ng	1919160	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50
4	o-Terphenyl	230	C18H14	000084-15-1	50
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





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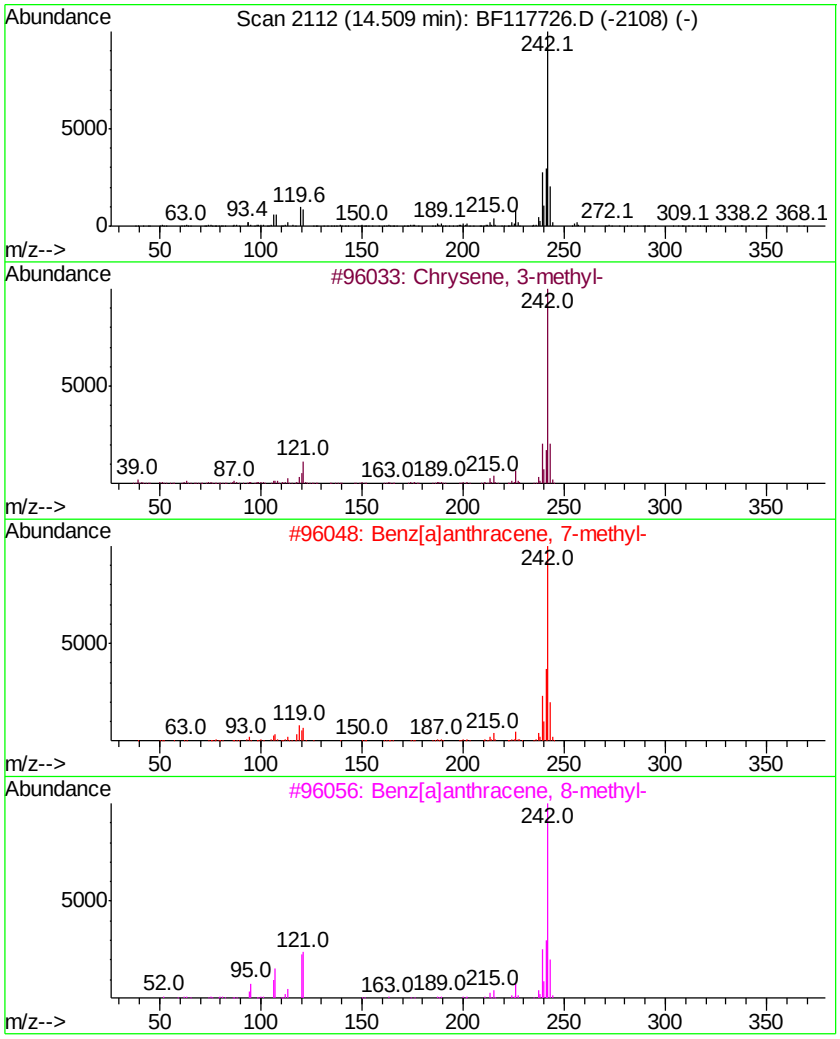
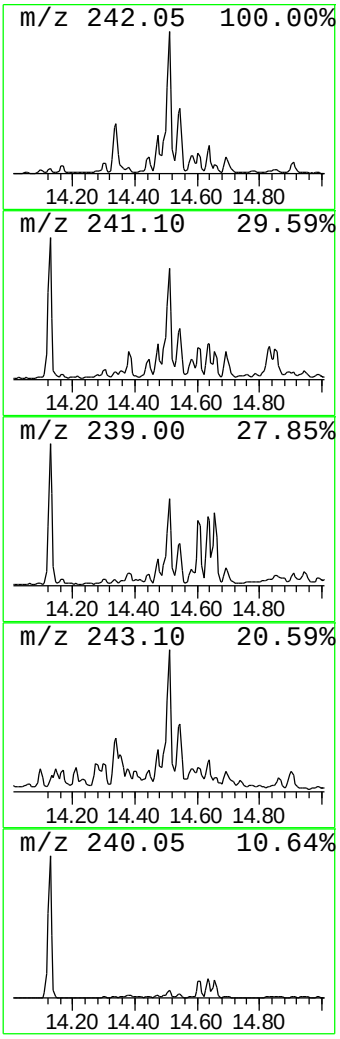
Peak Number 15 Chrysene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	3.30 ng	1306460	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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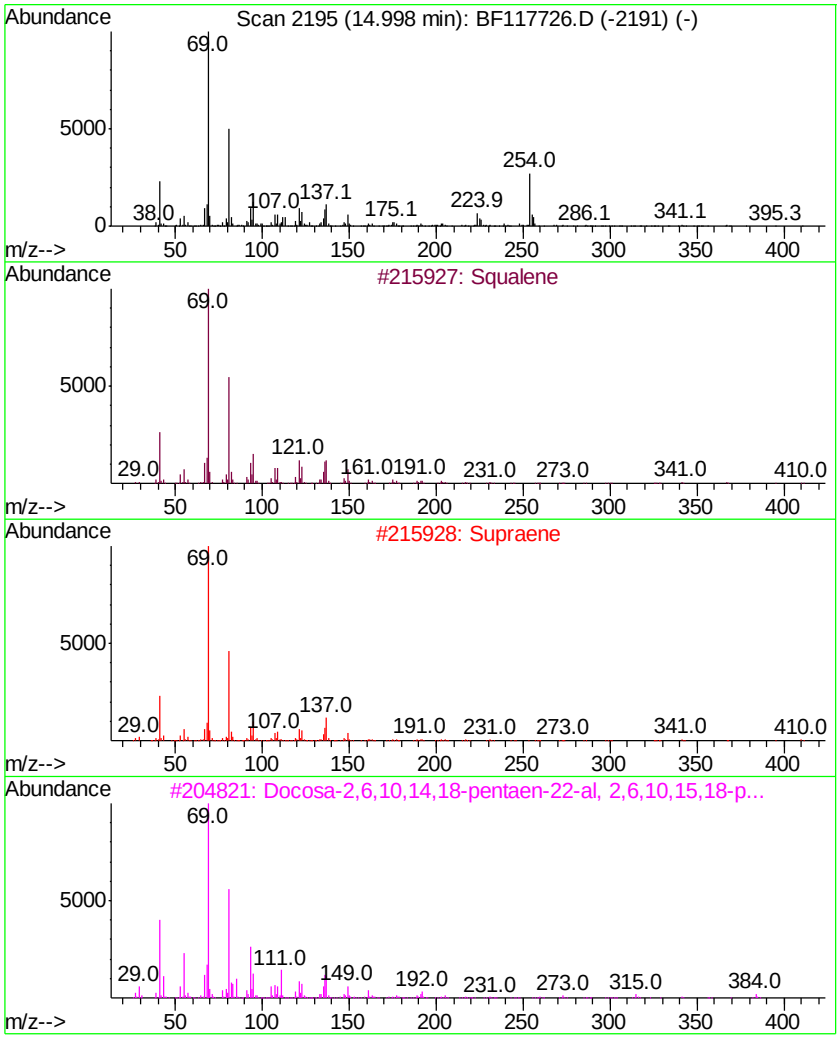
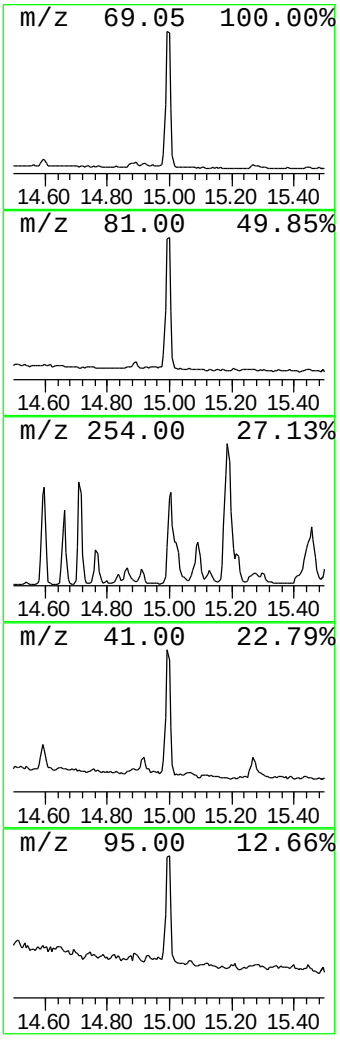
Peak Number 16 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	10.61 ng	1387720	Perylene-d12	15.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	90
2	Supraene	410	C30H50	007683-64-9	70
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	58
4	Farnesol isomer a	222	C15H26O	1000108-92-4	58
5	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	53





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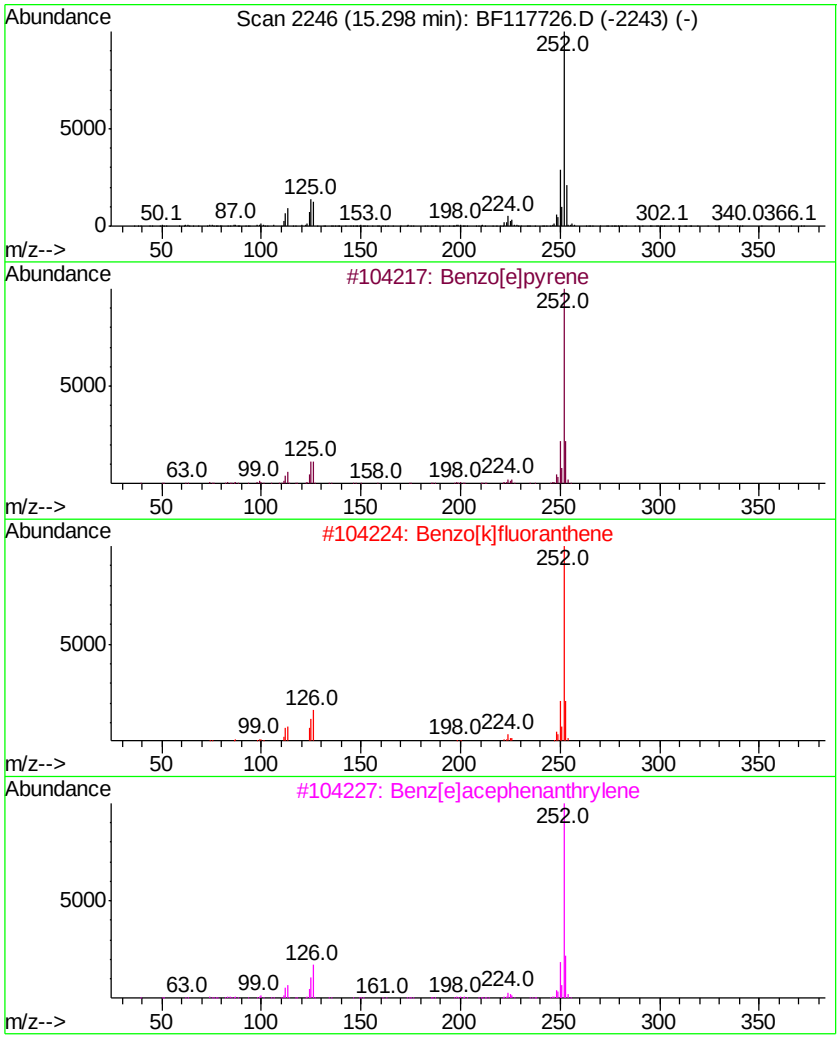
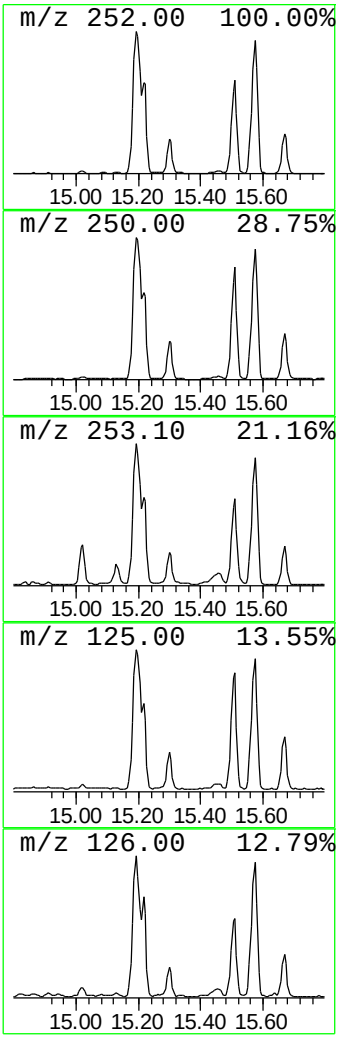
Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	7.52 ng	984430	Perylene-d12	15.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	87





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Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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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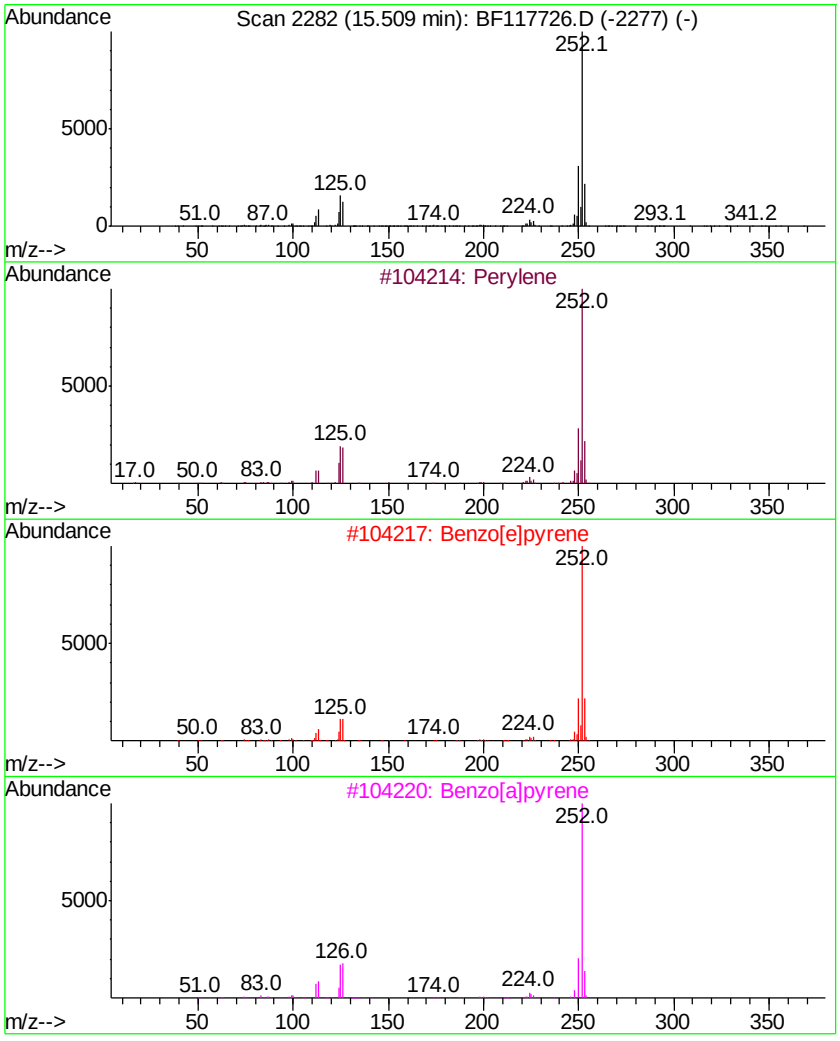
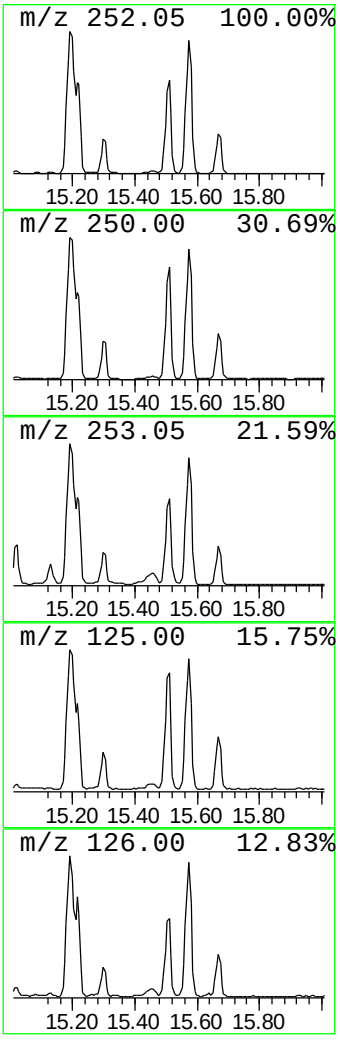
Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	23.99 ng	3138250	Perylene-d12	15.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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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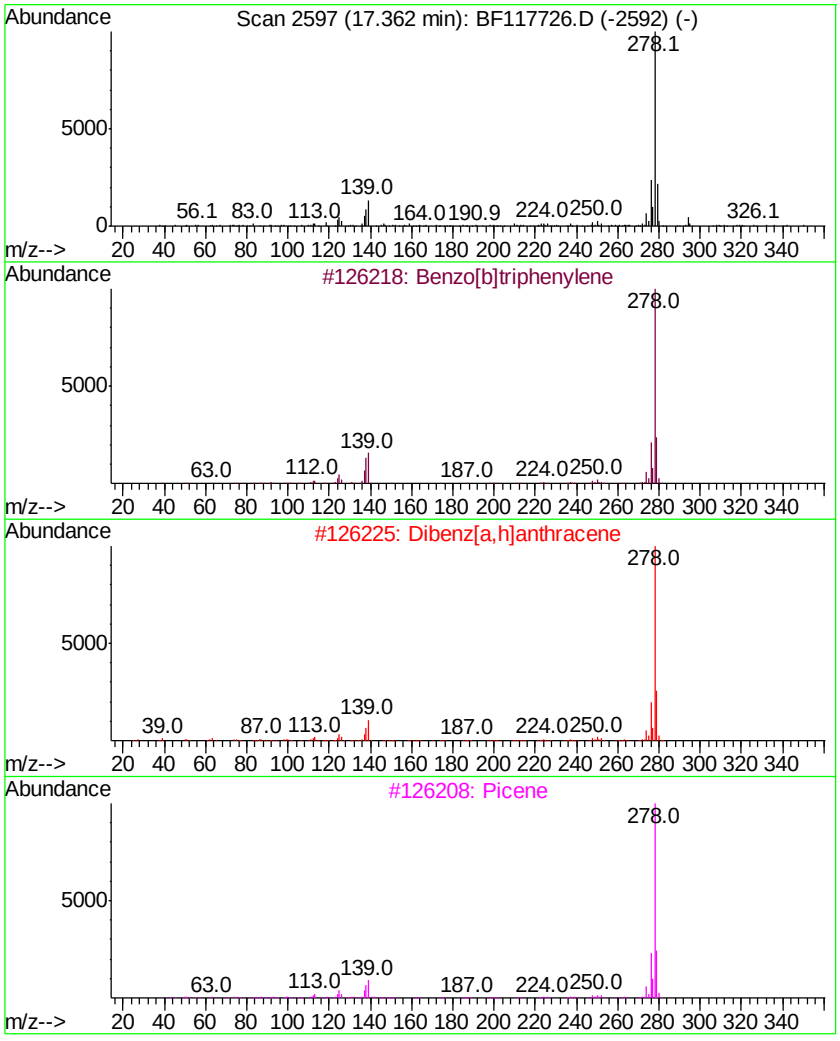
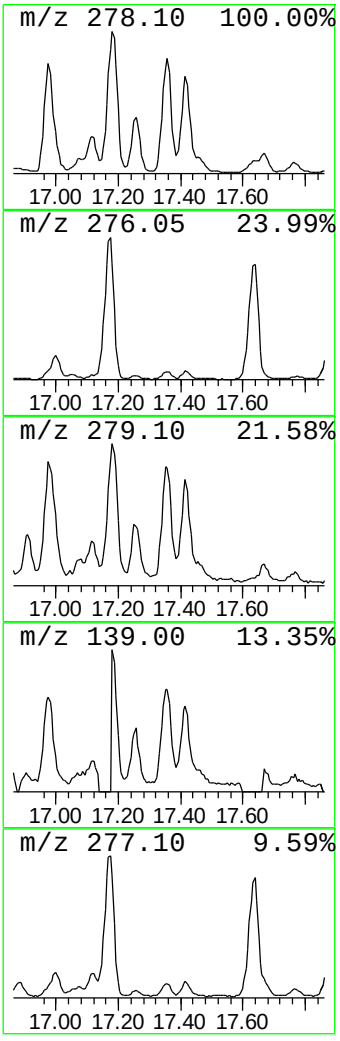
Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	3.34 ng	436831	Perylene-d12	15.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3	Picene	278	C22H14	000213-46-7	97
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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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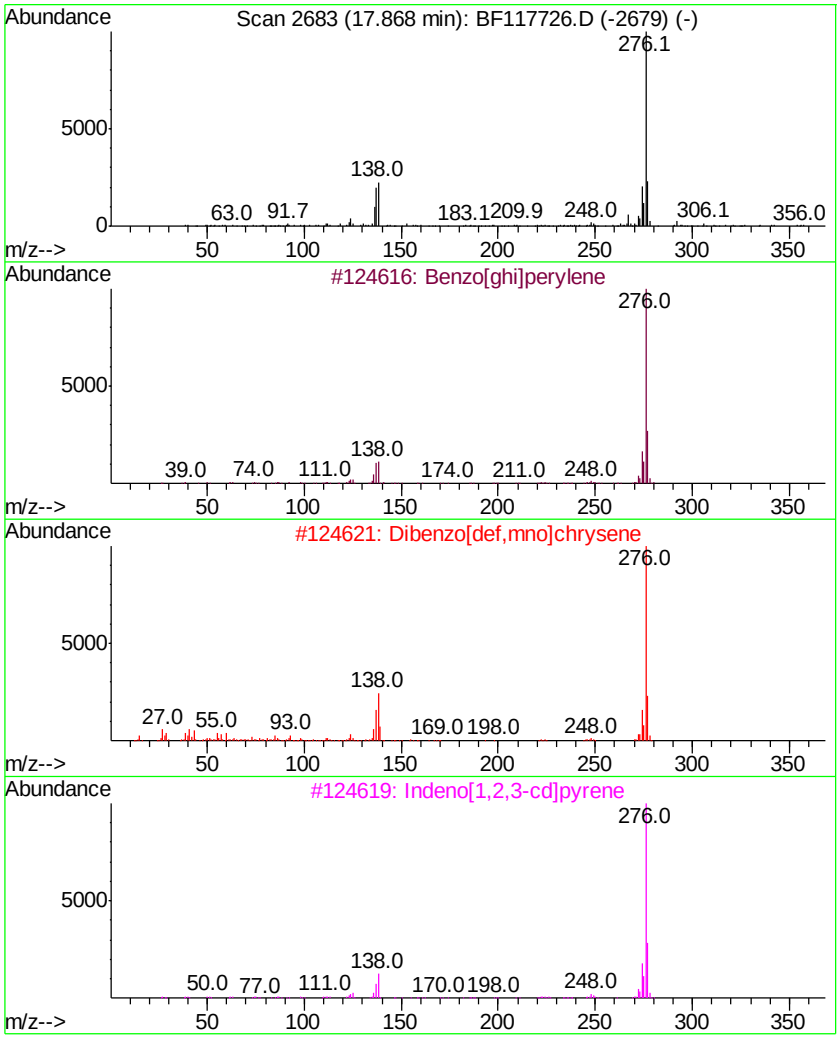
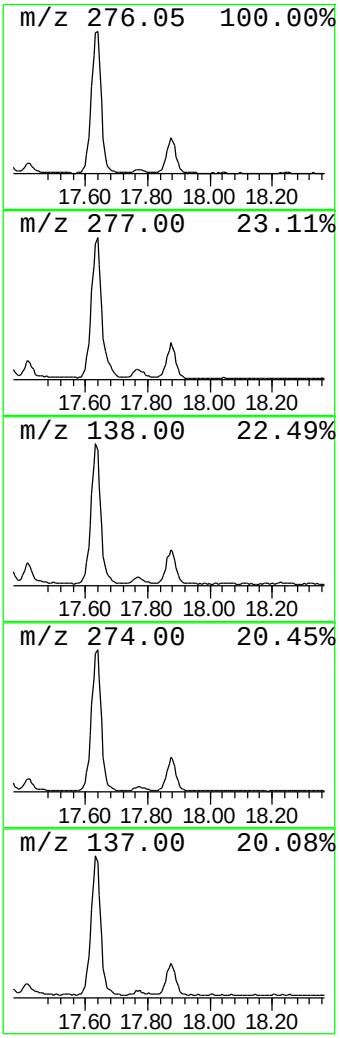
Peak Number 20 Benzo[ghi]perylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	3.57 ng	467154	Perylene-d12	15.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
Data File : BF117726.D
Acq On : 8 Nov 2019 00:55
Operator : JU
Sample : K5722-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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
Butane, 2-methoxy...	2.22	18.6	ng	1674450	1	6.93	1799620	20.0
2-Pentanone, 4-hy...	5.15	10.9	ng	976727	1	6.93	1799620	20.0
unknown6.70	6.70	59.5	ng	5352980	1	6.93	1799620	20.0
Anthracene, 2-met...	11.97	6.5	ng	942640	4	11.47	2904430	20.0
Phenanthrene, 2-m...	12.00	10.6	ng	1535490	4	11.47	2904430	20.0
4H-Cyclopenta[def...	12.09	13.1	ng	1906360	4	11.47	2904430	20.0
1H-Cyclopropa[l]p...	12.11	3.9	ng	567392	4	11.47	2904430	20.0
5,16[1',2']:8,13[...	12.27	4.1	ng	590813	4	11.47	2904430	20.0
Phenanthrene, 2,5...	12.53	5.3	ng	776372	4	11.47	2904430	20.0
unknown12.57	12.57	6.7	ng	970713	4	11.47	2904430	20.0
Cyclopenta(def)ph...	12.61	4.6	ng	671728	4	11.47	2904430	20.0
11H-Benzo[b]fluorene	13.25	3.6	ng	1429950	5	14.13	7917030	20.0
11H-Benzo[a]fluor...	13.96	4.8	ng	1919160	5	14.13	7917030	20.0
Chrysene, 3-methyl-	14.51	3.3	ng	1306460	5	14.13	7917030	20.0
Squalene	15.00	10.6	ng	1387720	6	15.64	2616640	20.0
Benzo[e]pyrene	15.30	7.5	ng	984430	6	15.64	2616640	20.0
Perylene	15.51	24.0	ng	3138250	6	15.64	2616640	20.0
Benzo[b]triphenylene	17.36	3.3	ng	436831	6	15.64	2616640	20.0
Benzo[ghi]perylene	17.87	3.6	ng	467154	6	15.64	2616640	20.0