LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118345.D
Acq On : 27 Dec 2019 18:40
Operator : JU
Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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	5.057	501	505	517	rVB	443681	558745	12.29%	0.727%
2	5.469	571	575	589	rBV	2928151	2806956	61.73%	3.652%
3	6.128	683	687	690	rVB	122663	108167	2.38%	0.141%
4	6.487	743	748	756	rBV	2997597	2991710	65.80%	3.892%
5	6.622	767	771	774	rBV	3740340	3204001	70.47%	4.168%
6	6.851	806	810	818	rBV	1041341	837598	18.42%	1.090%
7	7.010	832	837	840	rBV	2880505	2515027	55.31%	3.272%
8	7.416	902	906	909	rBV	2006142	1821283	40.06%	2.369%
9	8.139	1025	1029	1031	rBV	1170058	1119683	24.63%	1.457%
10	8.157	1031	1032	1038	rVB	371861	281948	6.20%	0.367%
11	8.410	1072	1075	1082	rVV	91444	93482	2.06%	0.122%
12	8.851	1147	1150	1157	rBV2	159858	165605	3.64%	0.215%
13	8.951	1163	1167	1171	rBV	119107	100669	2.21%	0.131%
14	9.216	1207	1212	1215	rBV	4518364	3738120	82.21%	4.863%
15	9.557	1266	1270	1272	rBV	108523	118348	2.60%	0.154%
16	9.610	1276	1279	1284	rVV	355862	295593	6.50%	0.385%
17	9.898	1325	1328	1331	rVV	1637749	1331338	29.28%	1.732%
18	9.933	1331	1334	1339	rVV	439650	414219	9.11%	0.539%
19	10.016	1343	1348	1351	rVB2	89883	94595	2.08%	0.123%
20	10.104	1360	1363	1367	rBV	314953	274418	6.04%	0.357%
21	10.445	1416	1421	1426	rBV	455714	457146	10.05%	0.595%
22	10.604	1446	1448	1454	rVB	115030	113273	2.49%	0.147%
23	10.692	1459	1463	1467	rBV	2956141	2640871	58.08%	3.436%
24	10.998	1509	1515	1518	rBV3	107918	151033	3.32%	0.196%
25	11.127	1532	1537	1539	rBV3	66115	98696	2.17%	0.128%
26	11.198	1546	1549	1553	rVB	155722	133194	2.93%	0.173%
27	11.245	1553	1557	1561	rVV3	68778	99596	2.19%	0.130%
28	11.286	1561	1564	1569	rVB	273357	250833	5.52%	0.326%
29	11.392	1578	1582	1584	rBV	1506800	1382992	30.42%	1.799%
30	11.422	1584	1587	1590	rVV	4560633	3971950	87.36%	5.168%
31	11.469	1590	1595	1598	rVV	1200798	1021206	22.46%	1.329%
32	11.504	1598	1601	1606	rVB2	86472	110478	2.43%	0.144%
33	11.627	1616	1622	1629	rBV	409853	451428	9.93%	0.587%
34	11.727	1636	1639	1643	rVV3	87619	102223	2.25%	0.133%

LSC Area Percent Report

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Operator : JU
Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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	11.898	1663	1668	1669	rBV	422290	418563	9.21%	0.545%
36	11.921	1669	1672	1677	rVV2	846908	970802	21.35%	1.263%
37	11.974	1677	1681	1683	rVV	201374	190858	4.20%	0.248%
38	12.010	1683	1687	1689	rVV	720052	726150	15.97%	0.945%
39	12.033	1689	1691	1695	rVB	274628	233250	5.13%	0.303%
40	12.192	1715	1718	1721	rBV	343683	269315	5.92%	0.350%
41	12.221	1721	1723	1728	rVB	215924	196389	4.32%	0.256%
42	12.339	1738	1743	1746	rBV2	95998	111250	2.45%	0.145%
43	12.445	1757	1761	1764	rBV	185265	212114	4.67%	0.276%
44	12.480	1764	1767	1770	rVV3	138725	193866	4.26%	0.252%
45	12.539	1774	1777	1781	rBV2	225911	232679	5.12%	0.303%
46	12.621	1785	1791	1794	rBV	4769368	4546874	100.00%	5.915%
47	12.704	1803	1805	1808	rVV2	131097	117560	2.59%	0.153%
48	12.763	1809	1815	1818	rVV2	160460	184971	4.07%	0.241%
49	12.851	1823	1830	1833	rBV	3790840	4379954	96.33%	5.698%
50	12.892	1834	1837	1841	rVB2	209520	211765	4.66%	0.276%
51	12.986	1845	1853	1855	rBV	3719717	3741117	82.28%	4.867%
52	13.004	1855	1856	1860	rVB	206677	152075	3.34%	0.198%
53	13.063	1861	1866	1870	rBV2	205777	374300	8.23%	0.487%
54	13.151	1877	1881	1882	rBV2	200291	248405	5.46%	0.323%
55	13.174	1882	1885	1888	rVB	484366	453918	9.98%	0.591%
56	13.239	1893	1896	1899	rBV	359271	293991	6.47%	0.382%
57	13.274	1899	1902	1905	rBV2	278111	328414	7.22%	0.427%
58	13.368	1915	1918	1921	rBV	170580	153448	3.37%	0.200%
59	13.398	1921	1923	1927	rBV	163377	167069	3.67%	0.217%
60	13.498	1937	1940	1946	rVB4	245091	251560	5.53%	0.327%
61	13.686	1969	1972	1976	rVB	288199	260705	5.73%	0.339%
62	13.792	1986	1990	1993	rBV	371390	399136	8.78%	0.519%
63	13.821	1993	1995	1997	rVB	294112	212010	4.66%	0.276%
64	13.845	1997	1999	2001	rBV	230117	224757	4.94%	0.292%
65	13.874	2001	2004	2006	rBV2	440169	424104	9.33%	0.552%
66	13.963	2015	2019	2024	rBV	94916	121524	2.67%	0.158%
67	14.045	2025	2033	2036	rVV2	2343516	3666826	80.64%	4.771%
68	14.074	2036	2038	2046	rVV	1963232	1802987	39.65%	2.346%
69	14.151	2049	2051	2054	rVV	311779	303013	6.66%	0.394%
70	14.198	2056	2059	2062	rVV3	245987	291482	6.41%	0.379%
71	14.239	2064	2066	2068	rVV	140302	141503	3.11%	0.184%

LSC Area Percent Report

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Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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

72	14.274	2068	2072	2075	rVV2	216555	326756	7.19%	0.425%
73	14.398	2090	2093	2095	rBV	135060	131231	2.89%	0.171%
74	14.433	2095	2099	2102	rVV	358343	398181	8.76%	0.518%
75	14.468	2102	2105	2108	rVV2	173645	200422	4.41%	0.261%
76	14.504	2108	2111	2114	rVV3	282335	407858	8.97%	0.531%
77	14.562	2118	2121	2122	rVV2	221414	223052	4.91%	0.290%
78	14.580	2122	2124	2128	rVV	220054	222830	4.90%	0.290%
79	14.633	2128	2133	2138	rVV3	113307	191551	4.21%	0.249%
80	14.757	2151	2154	2156	rBV	139687	148571	3.27%	0.193%
81	14.810	2161	2163	2167	rVB2	158940	155217	3.41%	0.202%
82	14.939	2181	2185	2192	rVB2	160668	231476	5.09%	0.301%
83	15.109	2208	2214	2216	rBV	1684568	2627049	57.78%	3.418%
84	15.151	2220	2221	2224	rVV	269327	268770	5.91%	0.350%
85	15.209	2228	2231	2236	rVB	308009	329934	7.26%	0.429%
86	15.298	2243	2246	2248	rBV3	95334	119650	2.63%	0.156%
87	15.409	2260	2265	2272	rVB	922261	1326024	29.16%	1.725%
88	15.480	2272	2277	2281	rBV	1599990	1881208	41.37%	2.447%
89	15.539	2282	2287	2290	rVV	1051100	1353113	29.76%	1.760%
90	15.568	2290	2292	2299	rVB	487149	615067	13.53%	0.800%
91	15.980	2357	2362	2367	rBV2	224083	361383	7.95%	0.470%
92	16.033	2367	2371	2380	rVV4	248492	522239	11.49%	0.679%
93	16.109	2381	2384	2388	rVB3	104831	146836	3.23%	0.191%
94	16.268	2407	2411	2420	rVB4	61139	124139	2.73%	0.162%
95	16.845	2503	2509	2511	rBV2	86785	158002	3.47%	0.206%
96	17.051	2536	2544	2549	rBV	759887	1453974	31.98%	1.892%
97	17.221	2567	2573	2577	rBV	132011	246742	5.43%	0.321%
98	17.280	2578	2583	2588	rBV2	106946	189666	4.17%	0.247%
99	17.503	2614	2621	2633	rVB	536241	1137413	25.02%	1.480%
100	17.745	2656	2662	2670	rBV2	130484	300352	6.61%	0.391%

Sum of corrected areas: 76863834

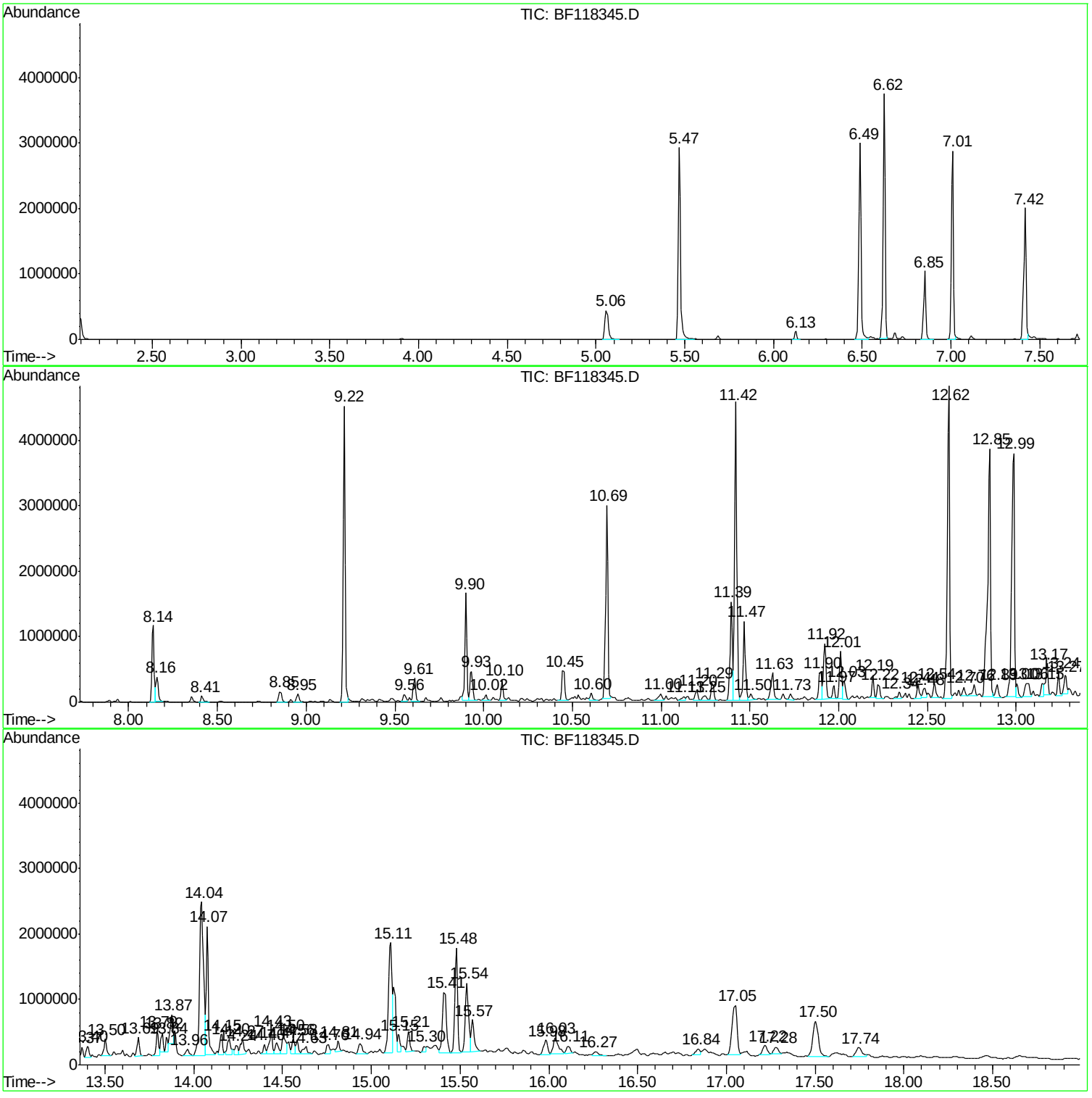
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118345.D
Acq On : 27 Dec 2019 18:40
Operator : JU
Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118345.D
Acq On : 27 Dec 2019 18:40
Operator : JU
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Misc :
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Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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

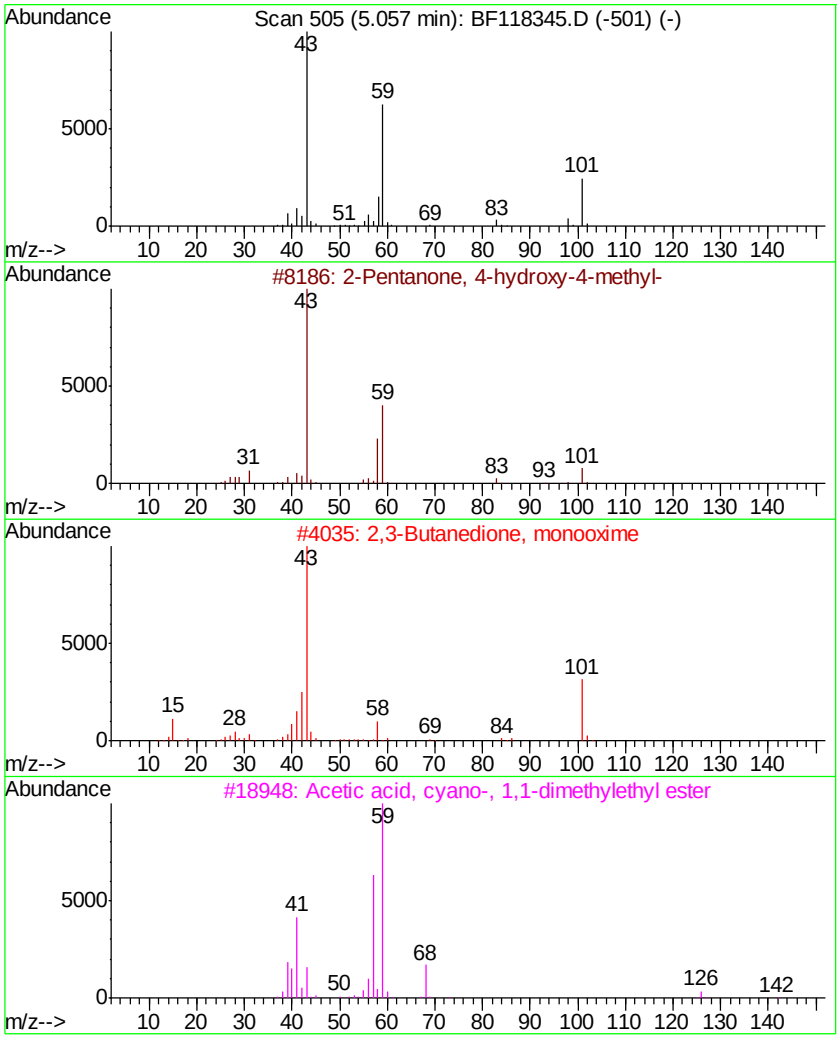
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

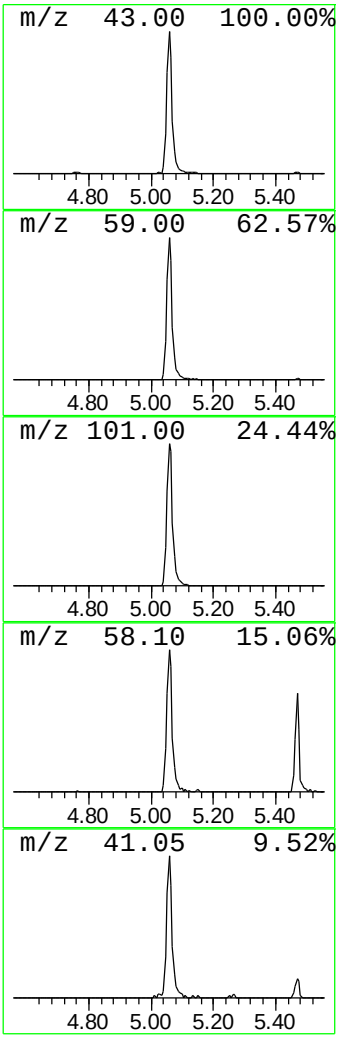
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	13.34 ng	558745	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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

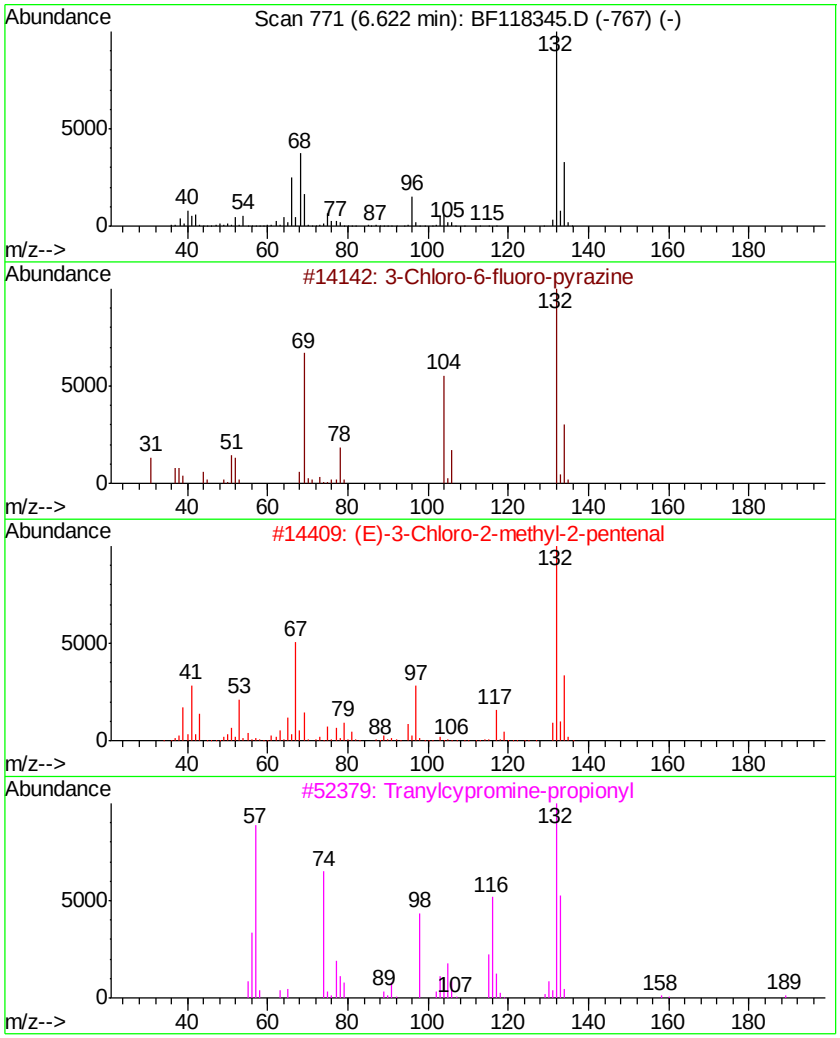
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

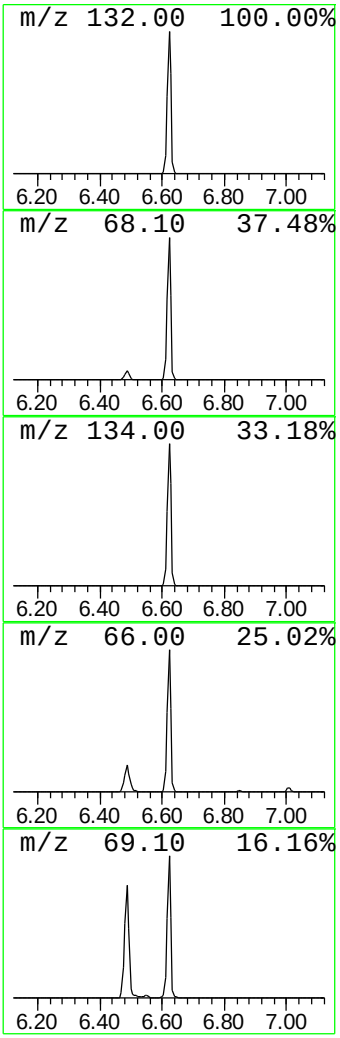
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	76.50 ng	3204000	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	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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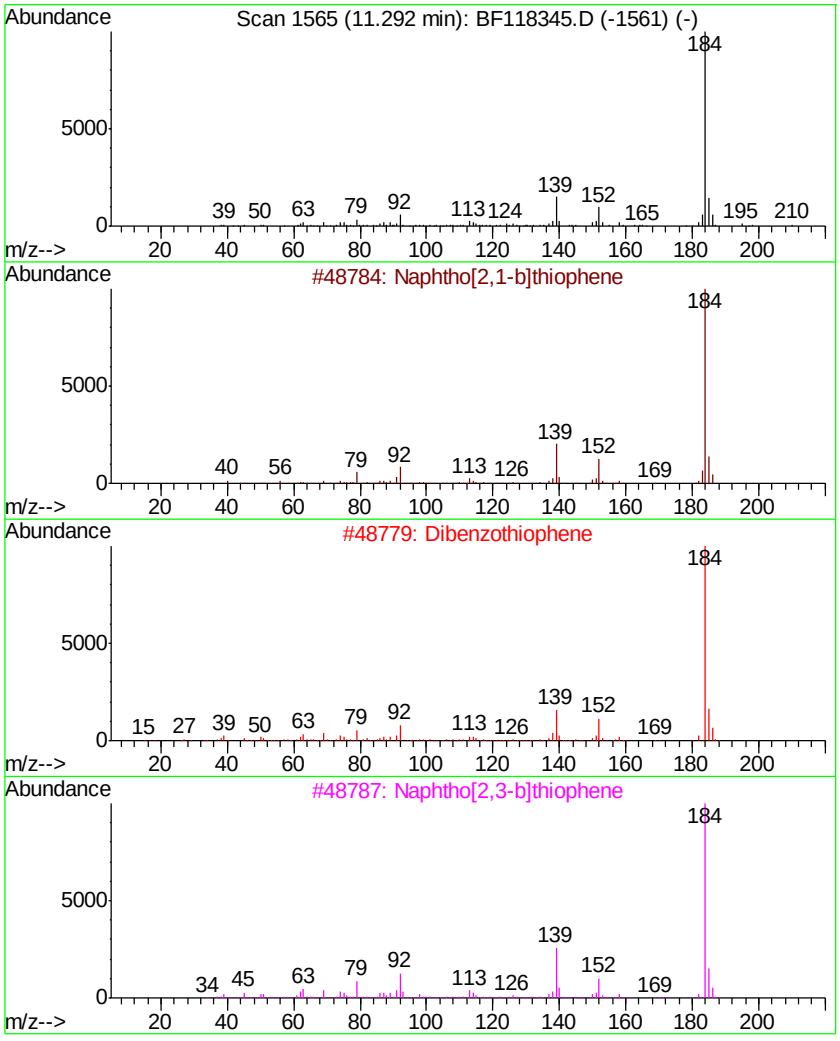
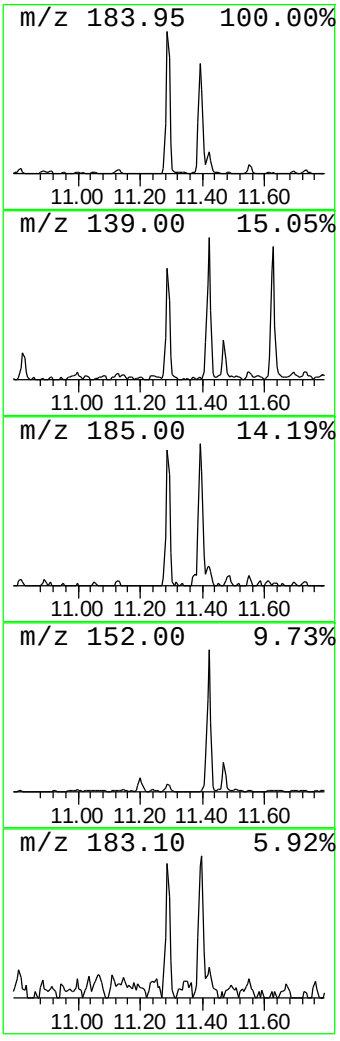
Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.63 ng	250833	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Operator : JU
Sample : K6431-08
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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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

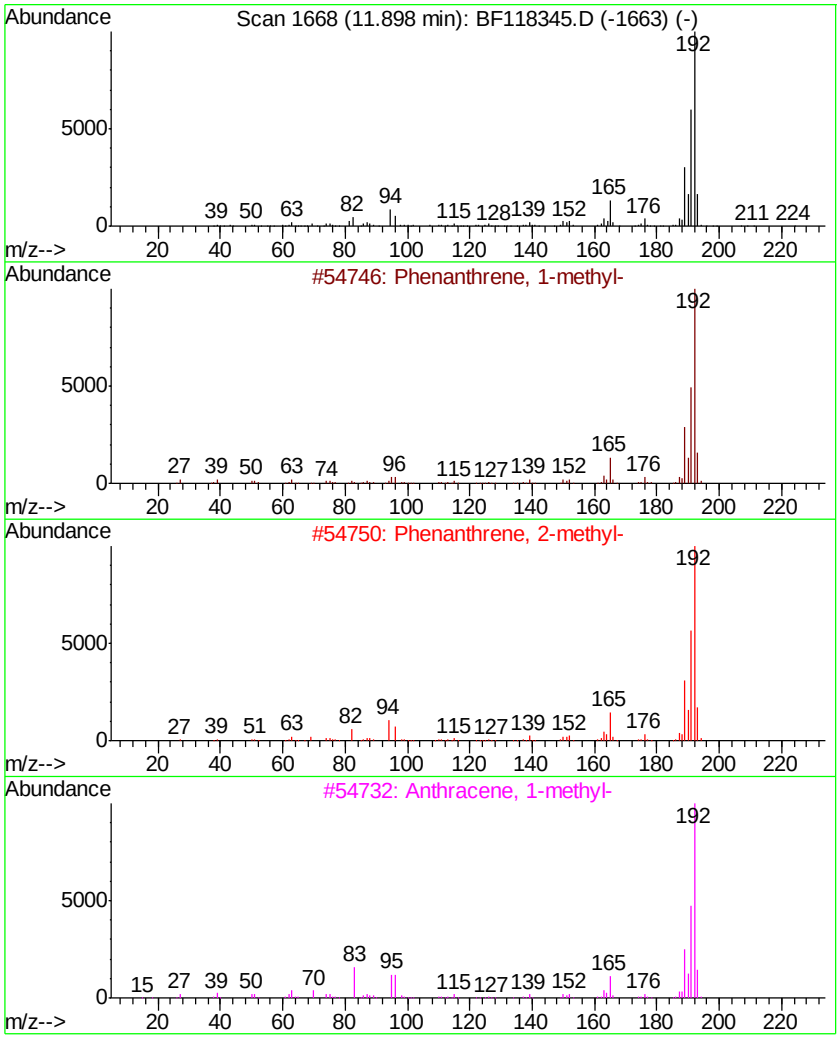
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

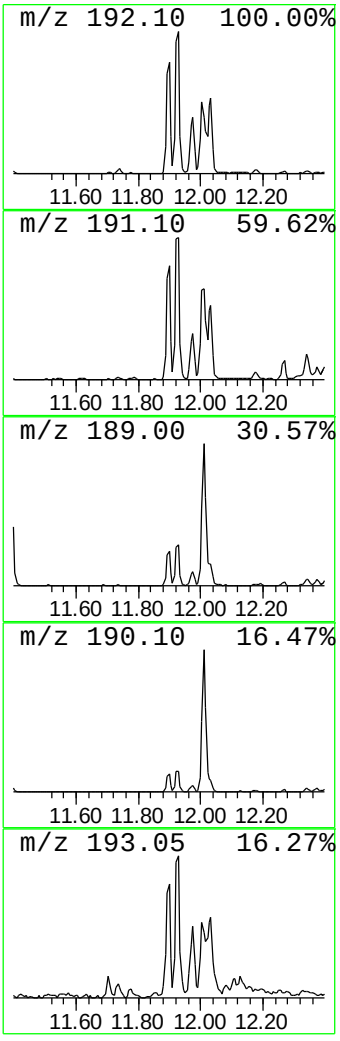
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.05 ng	418563	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118345.D
Acq On : 27 Dec 2019 18:40
Operator : JU
Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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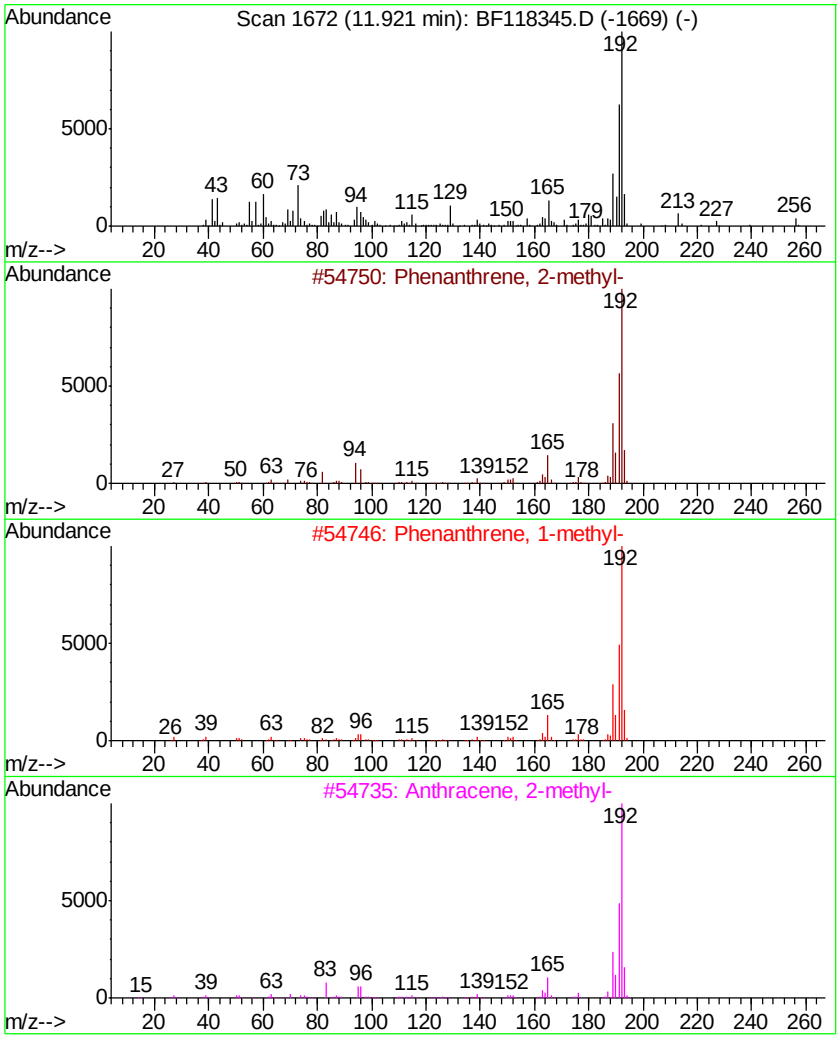
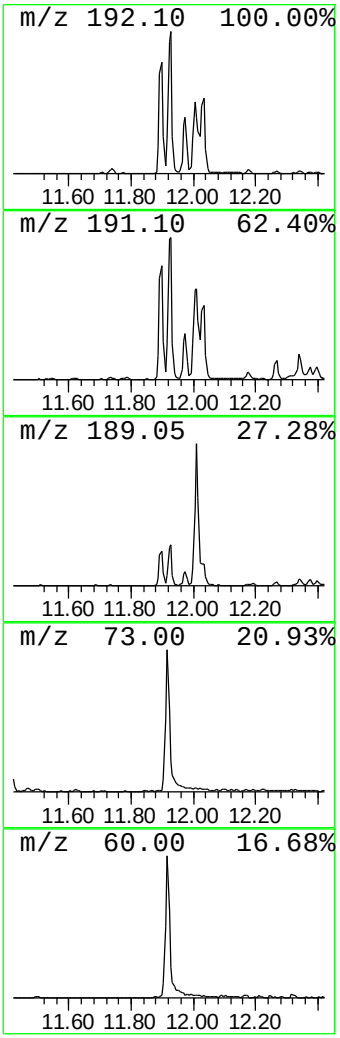
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	14.04 ng	970802	Phenanthrene-d10	11.39

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Operator : JU
Sample : K6431-08
Misc :
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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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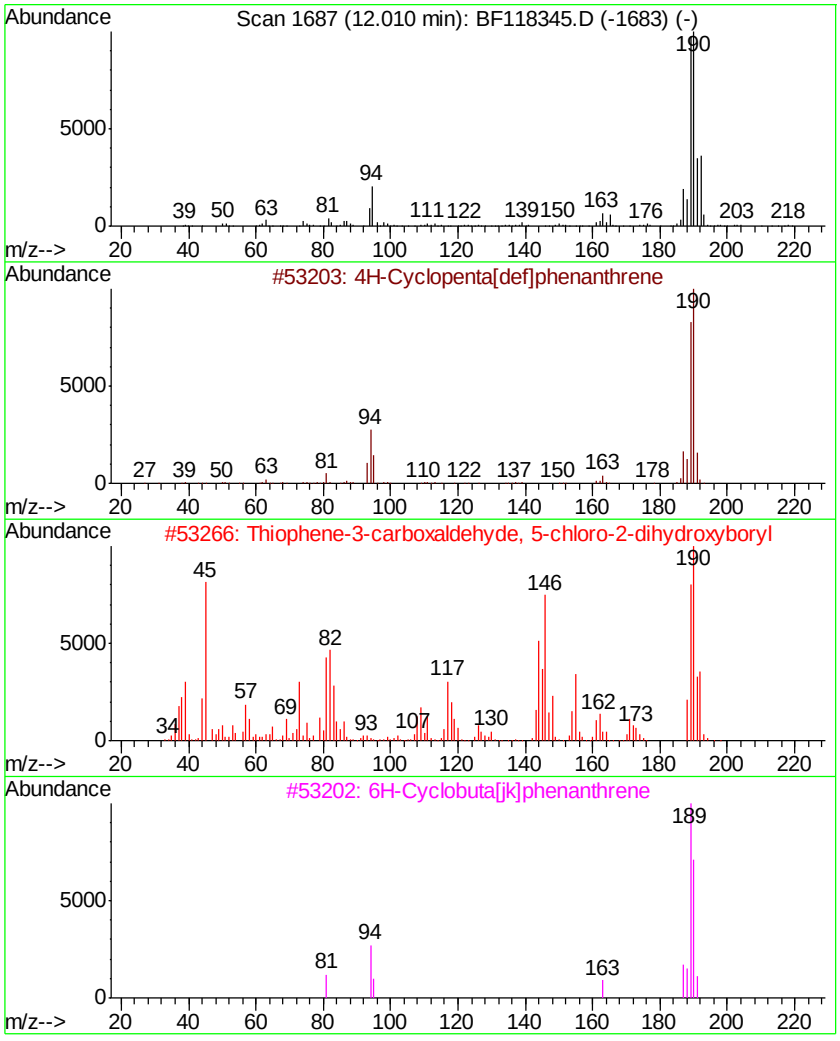
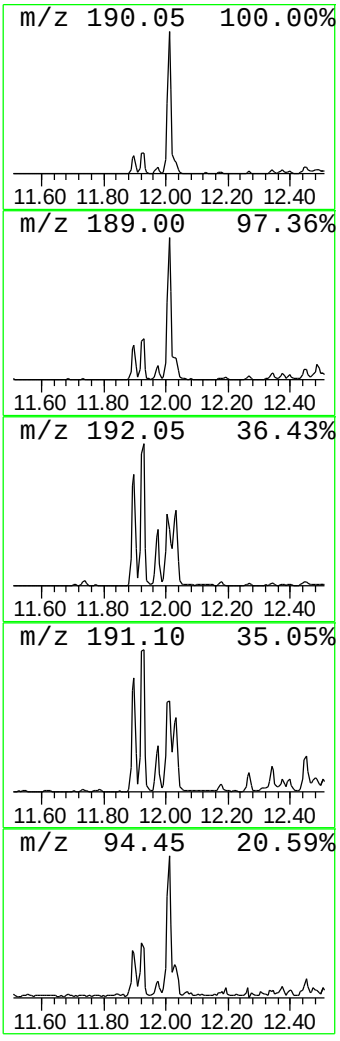
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	10.50 ng	726150	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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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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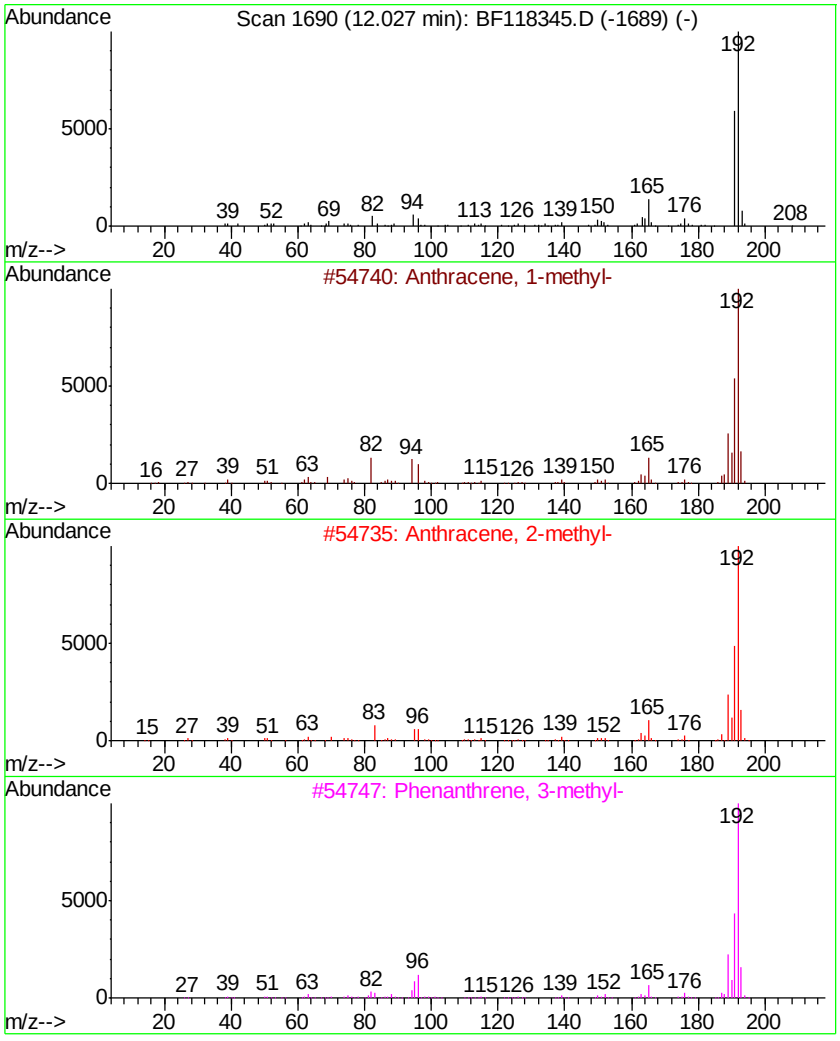
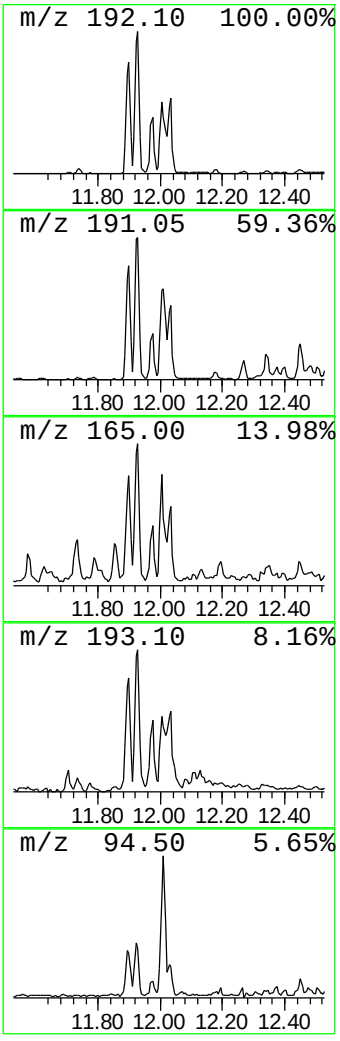
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.37 ng	233250	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80





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TIC Integration Parameters: LSCINT.P

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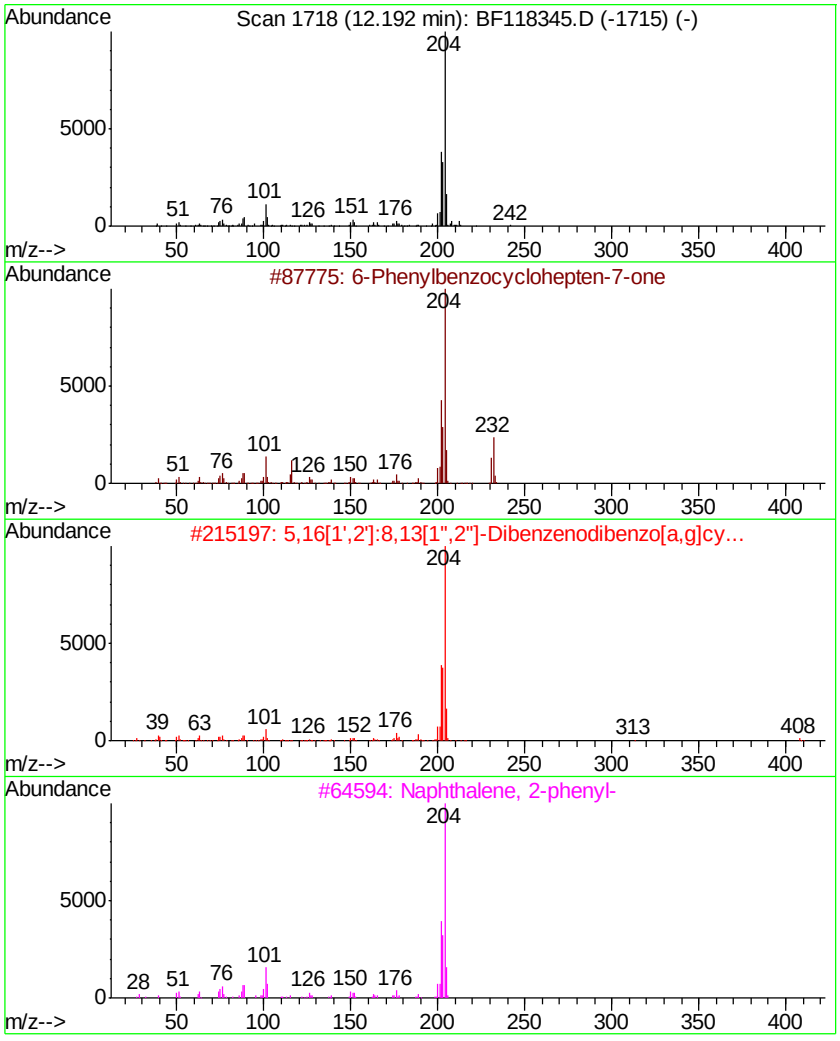
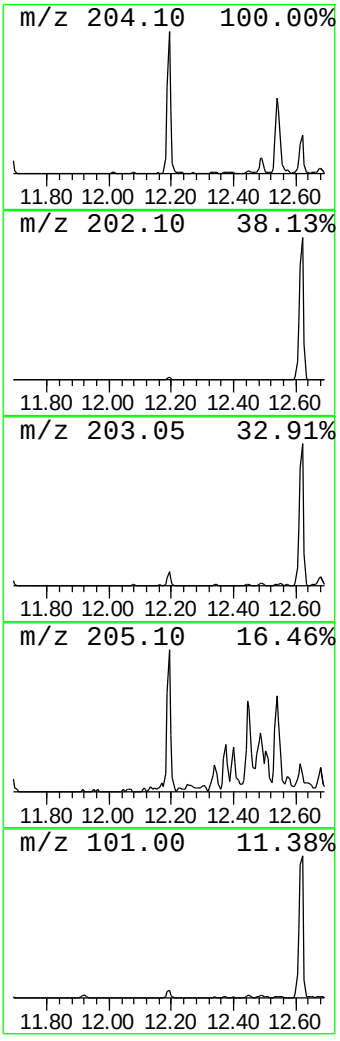
Peak Number 9 6-Phenylbenzocyclohepten-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.89 ng	269315	Phenanthrene-d10	11.39

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	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76





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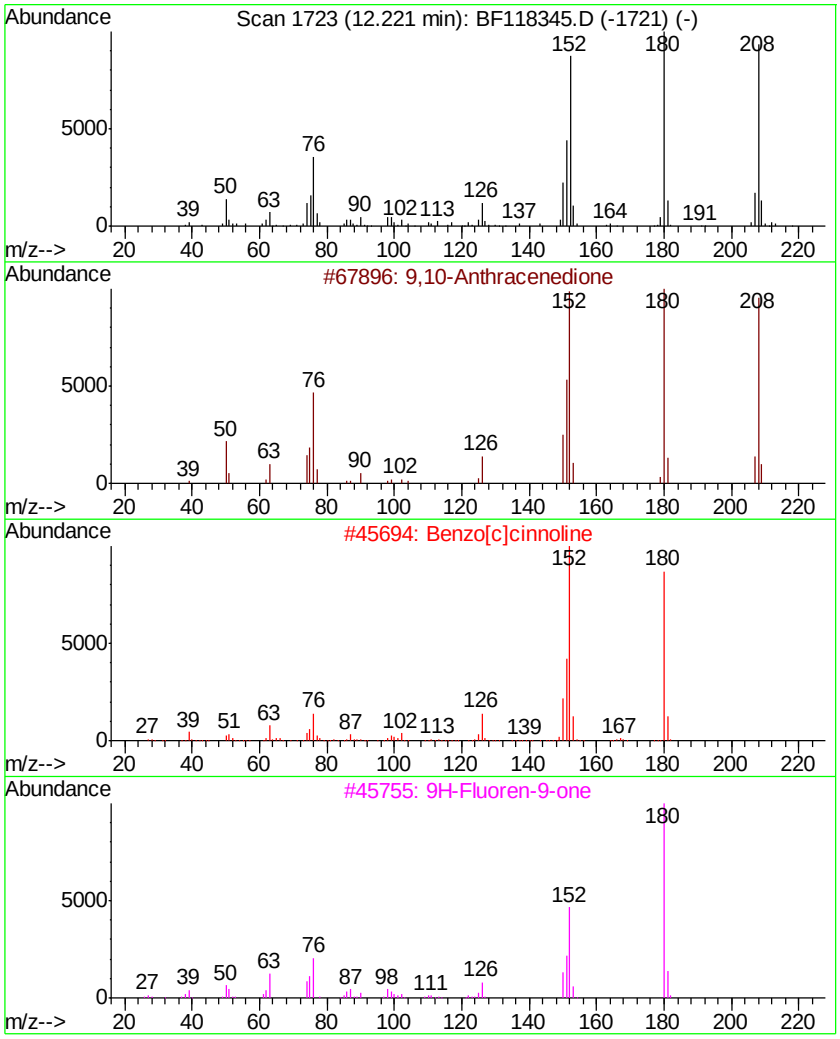
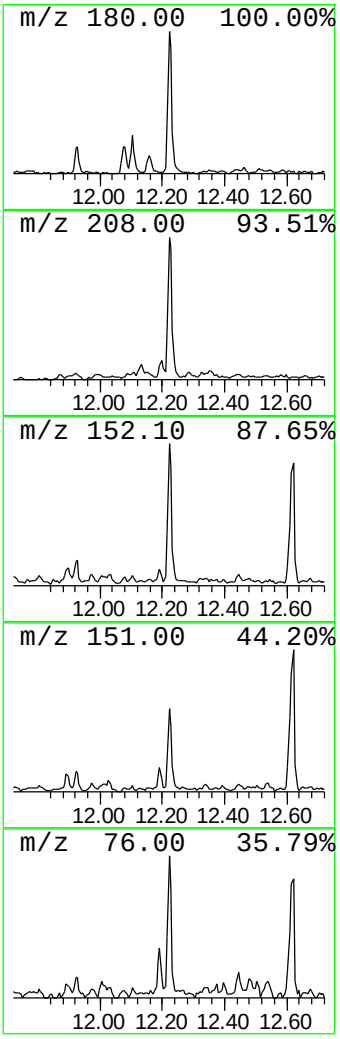
Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	2.84 ng	196389	Phenanthrene-d10	11.39

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	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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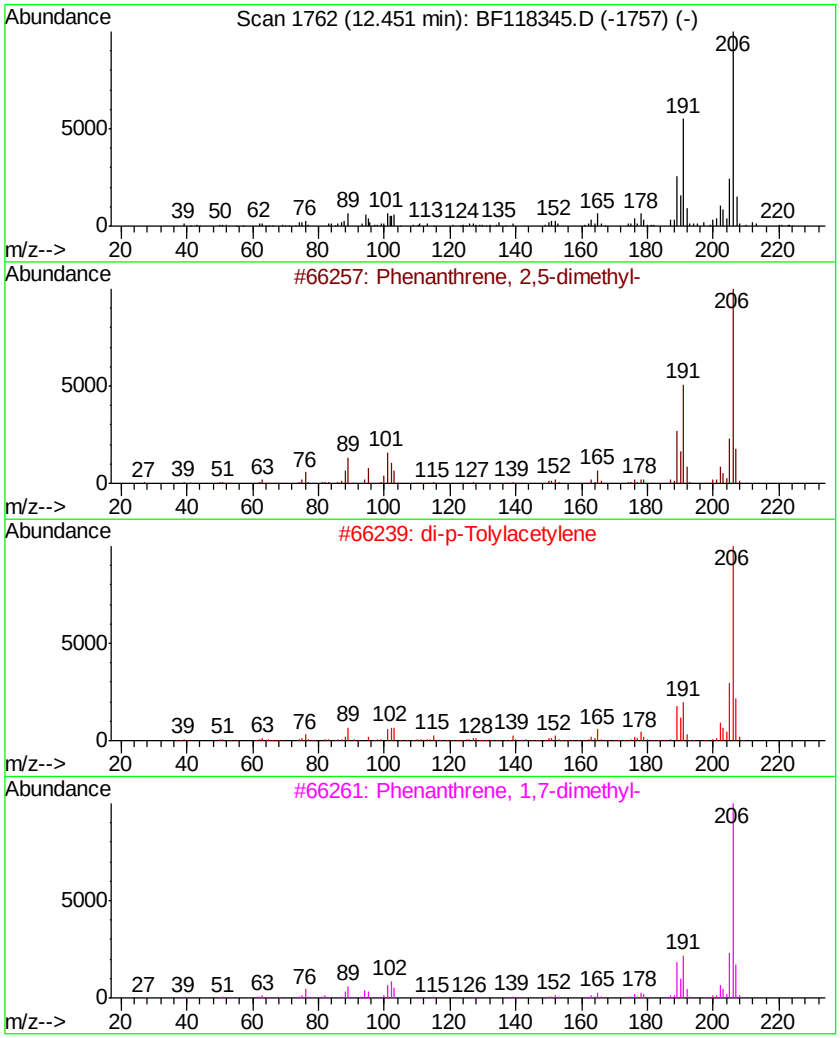
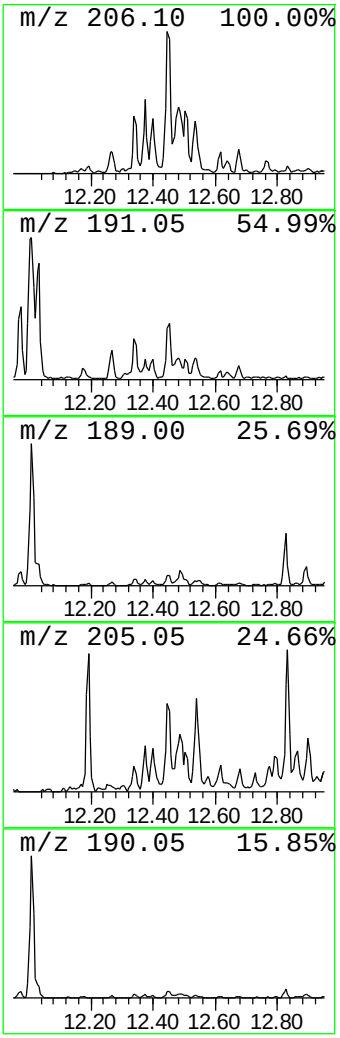
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.07 ng	212114	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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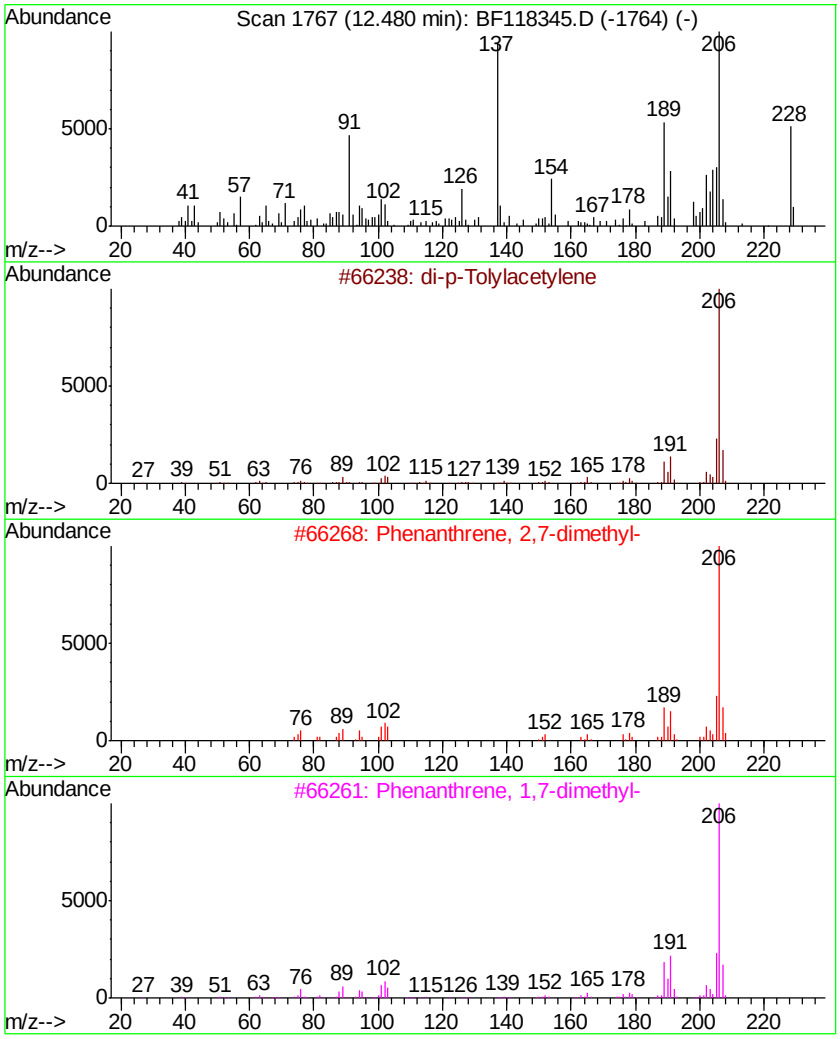
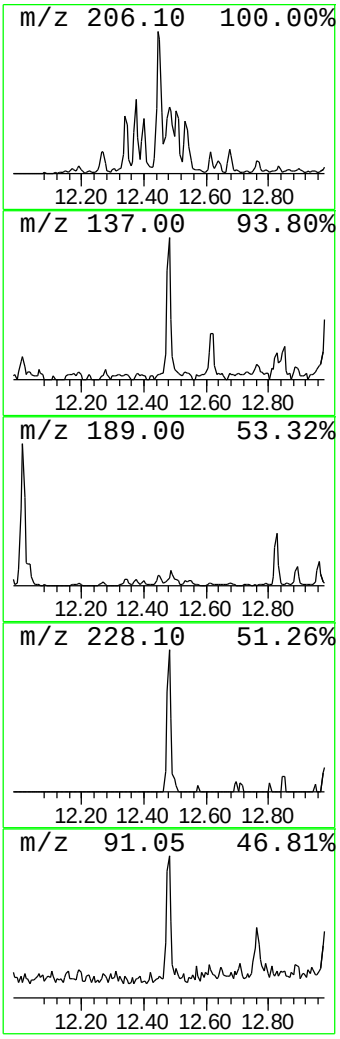
Peak Number 12 unknown12.48 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.80 ng	193866	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	42
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	25





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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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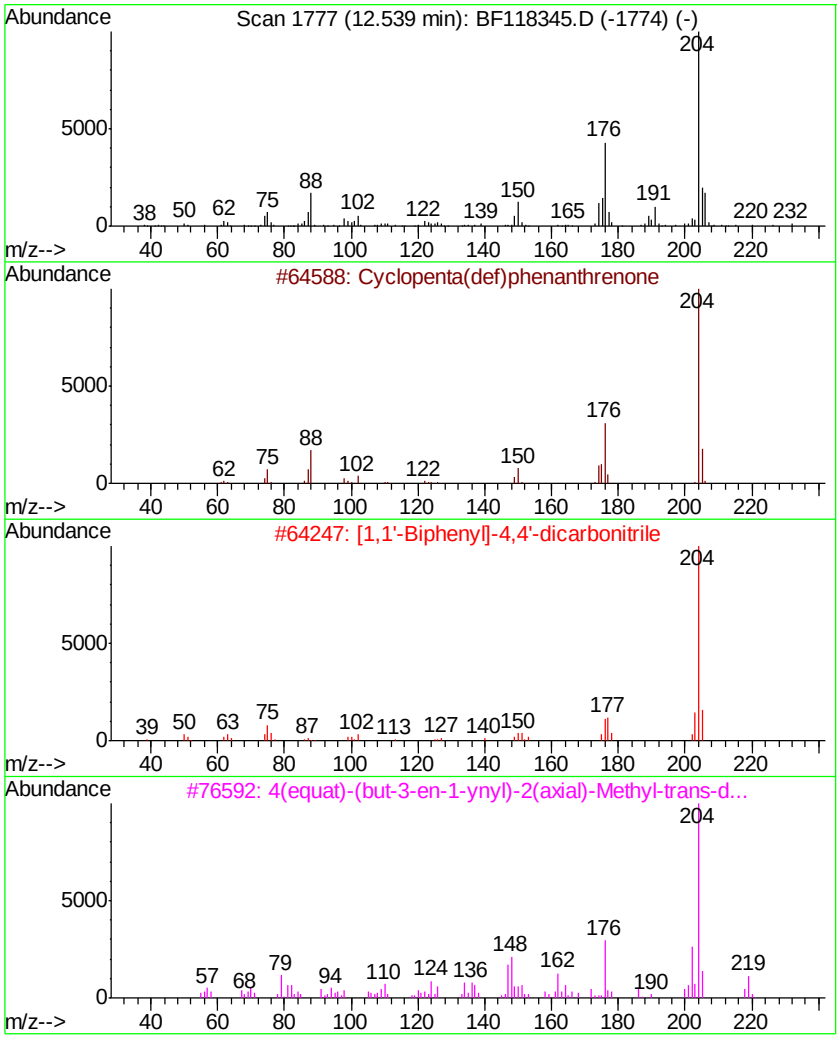
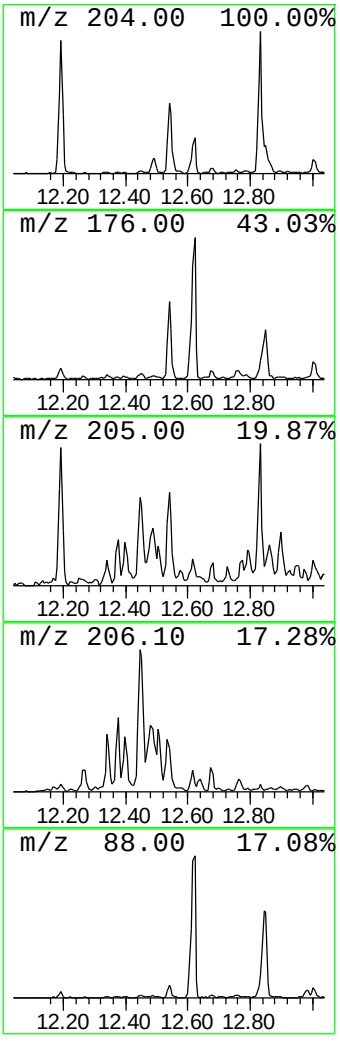
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.36 ng	232679	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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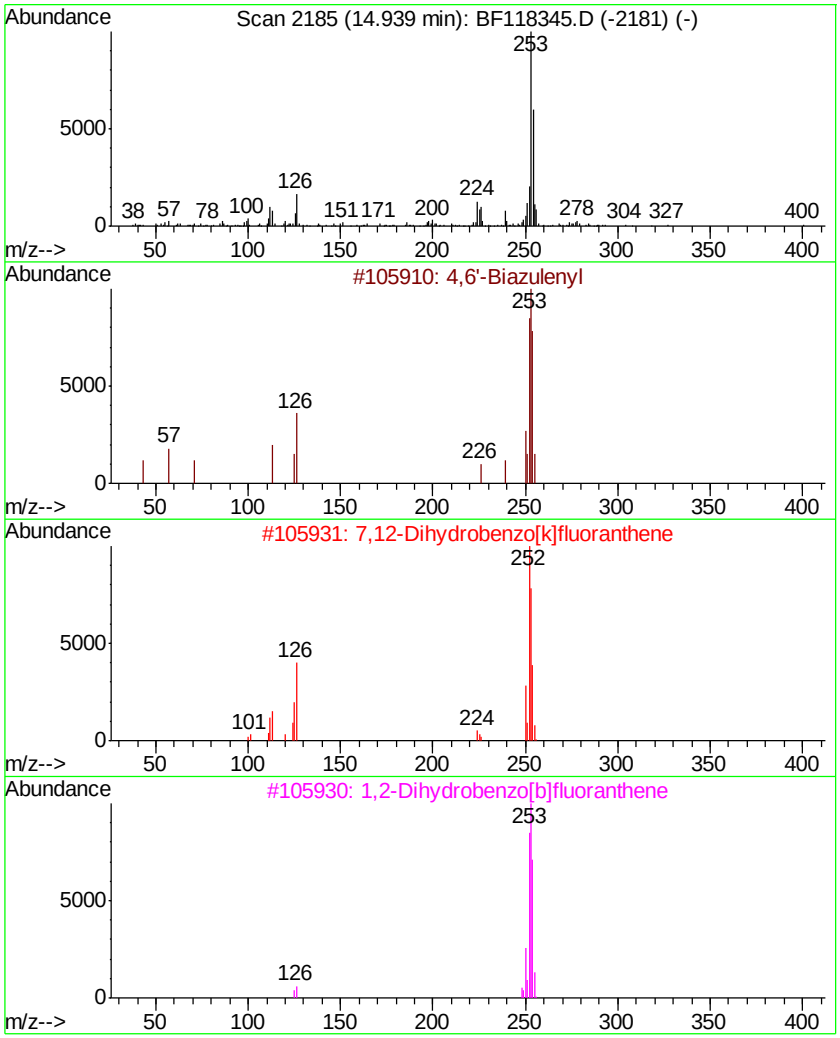
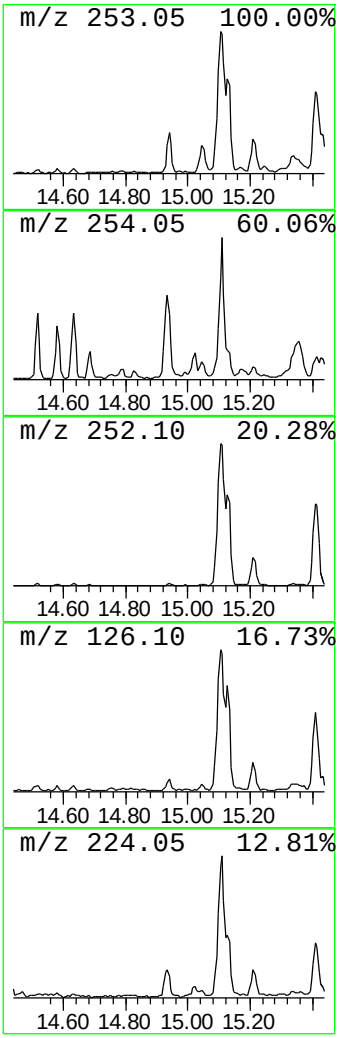
Peak Number 14 4,6'-Biazulenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	3.42 ng	231476	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6'-Biazulenyl	254	C20H14	094154-49-1	68
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
4	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	59
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	52





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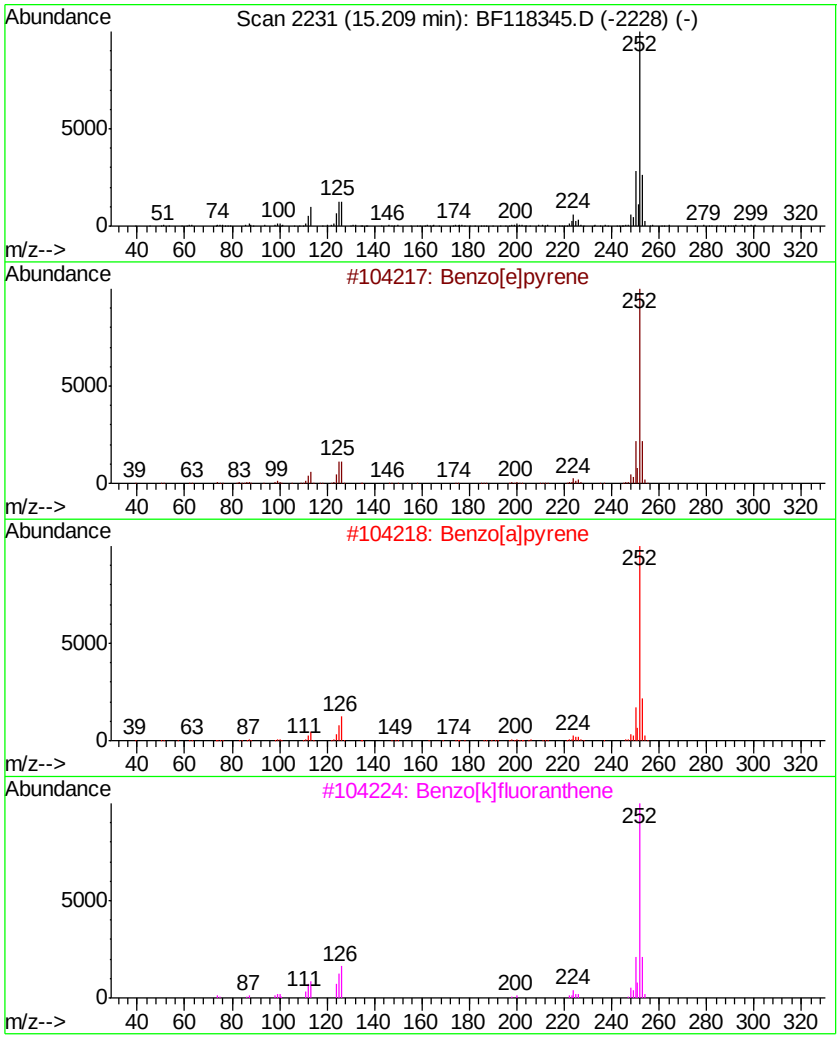
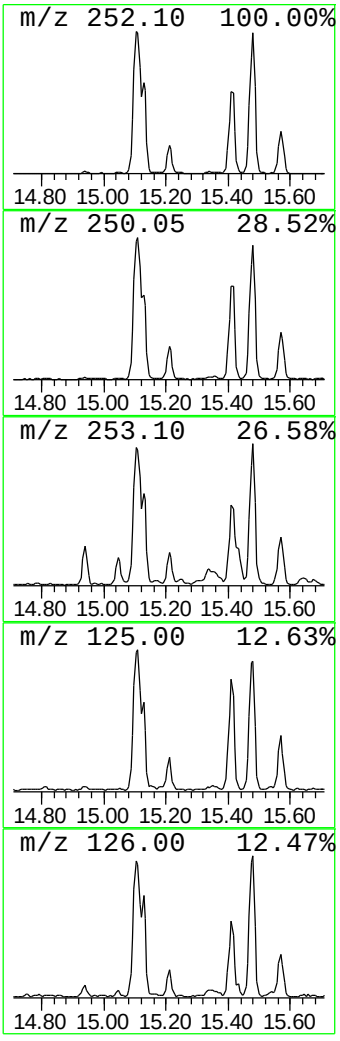
Peak Number 15 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.88 ng	329934	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





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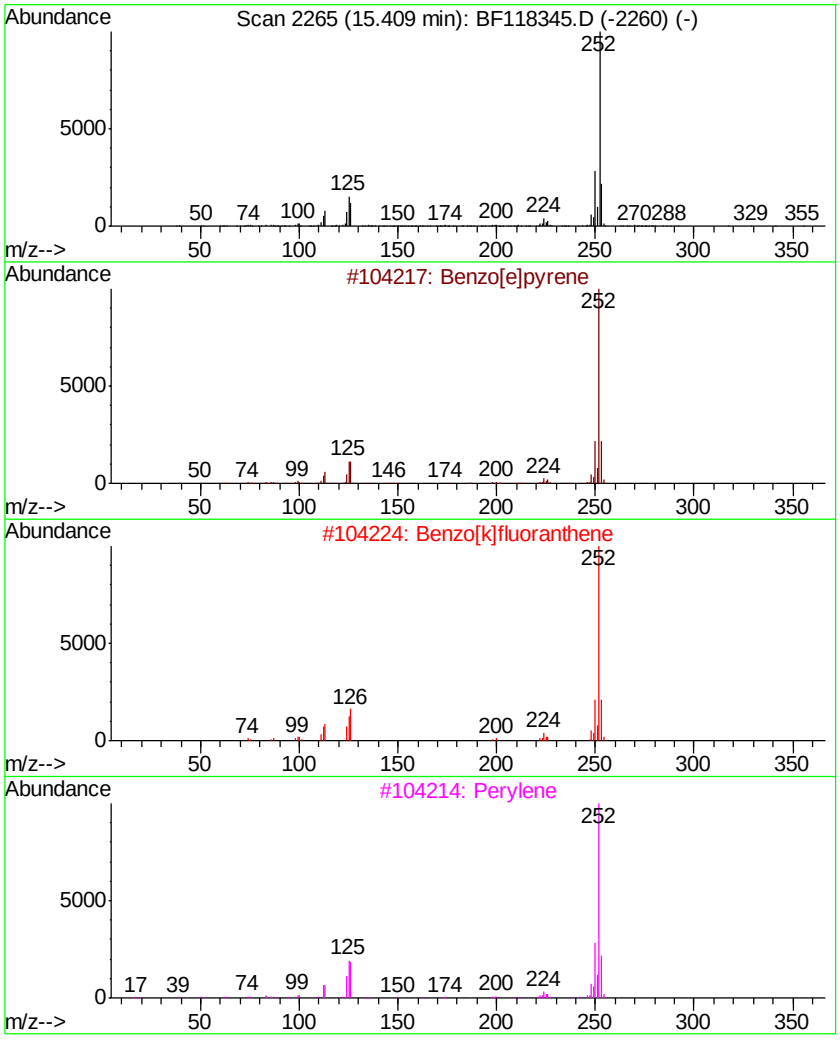
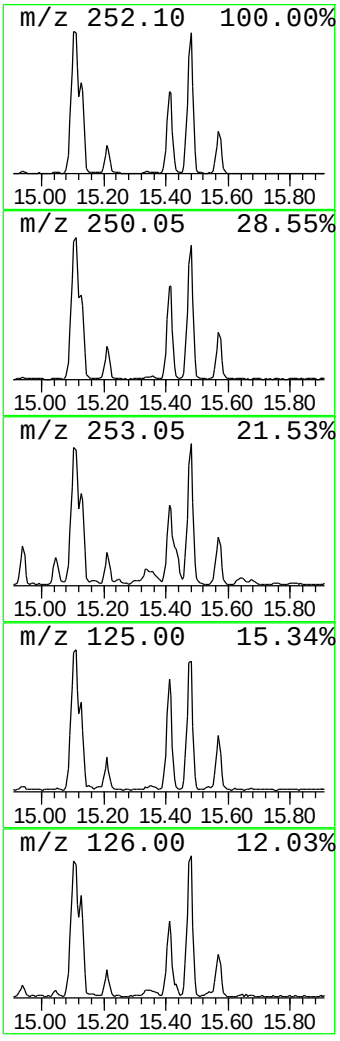
Peak Number 16 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	19.60 ng	1326020	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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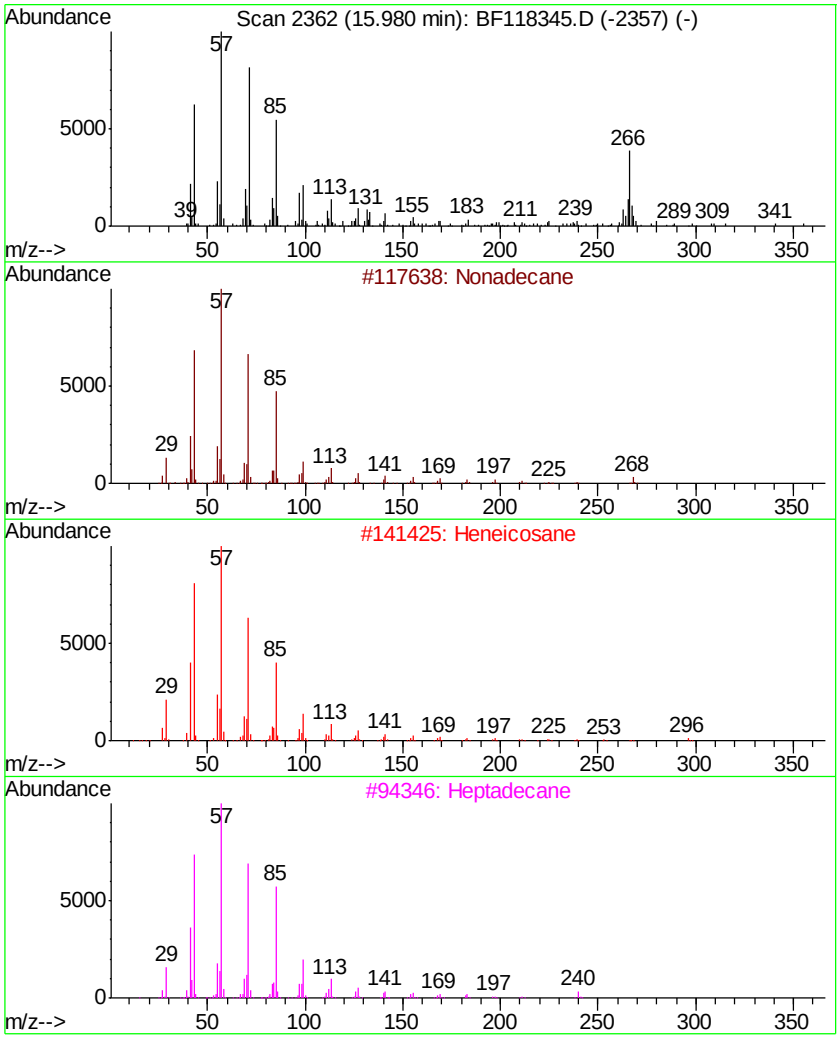
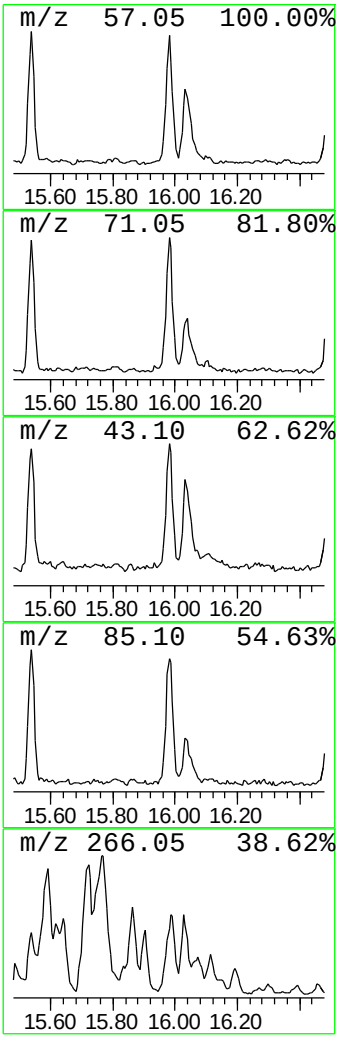
Peak Number 17 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	5.34 ng	361383	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	83
2	Heneicosane	296	C21H44	000629-94-7	83
3	Heptadecane	240	C17H36	000629-78-7	83
4	2-methyloctacosane	408	C29H60	1000376-72-8	64
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	58





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ClientSampleId : SB-2-(0-2)

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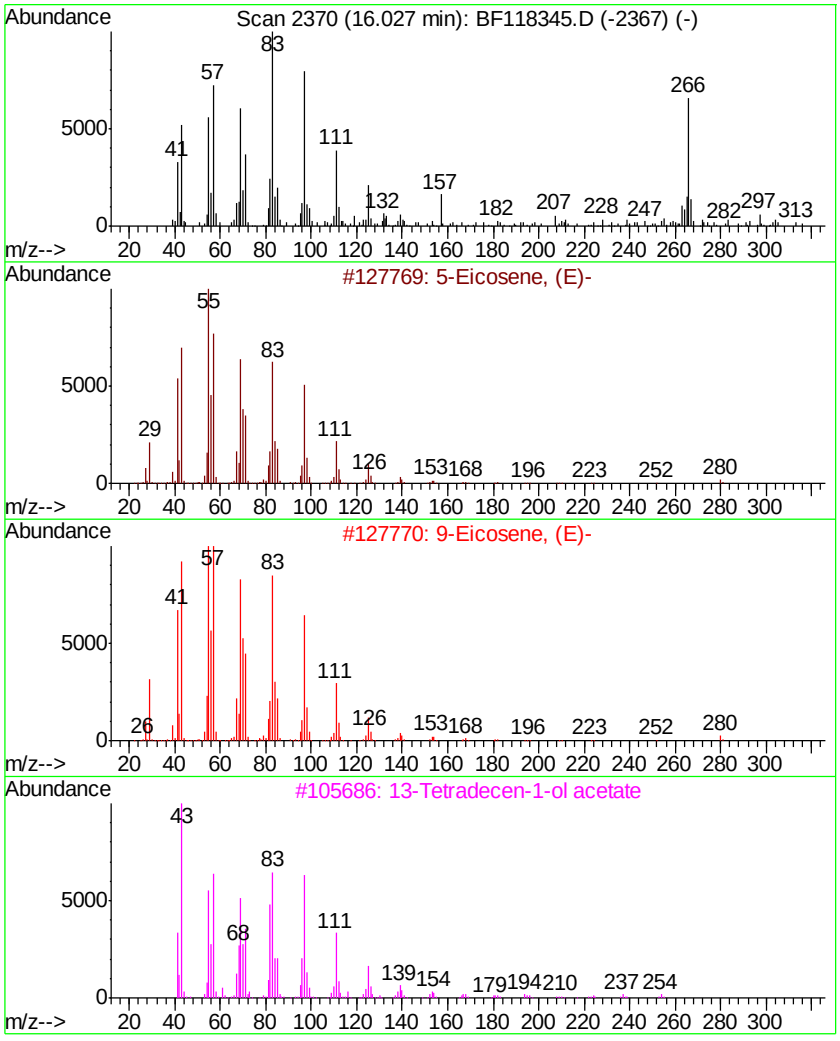
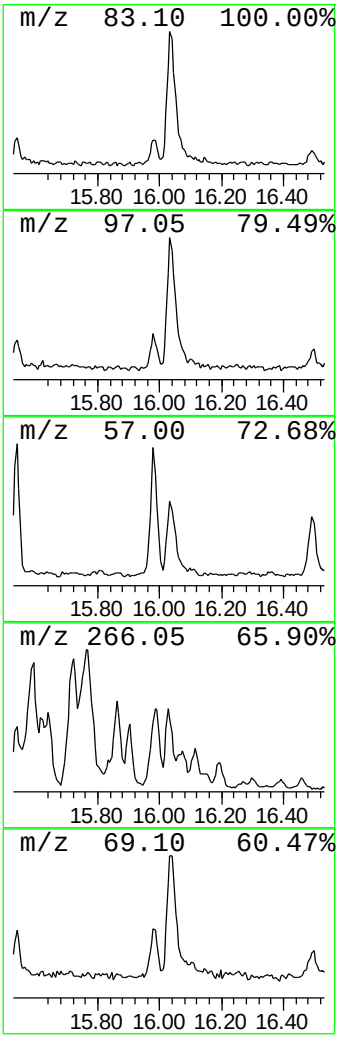
Peak Number 18 5-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	7.72 ng	522239	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	70
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	55
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	46
4	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	43
5	1-Iododec-1-ene	266	C10H19I	1000192-68-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118345.D
Acq On : 27 Dec 2019 18:40
Operator : JU
Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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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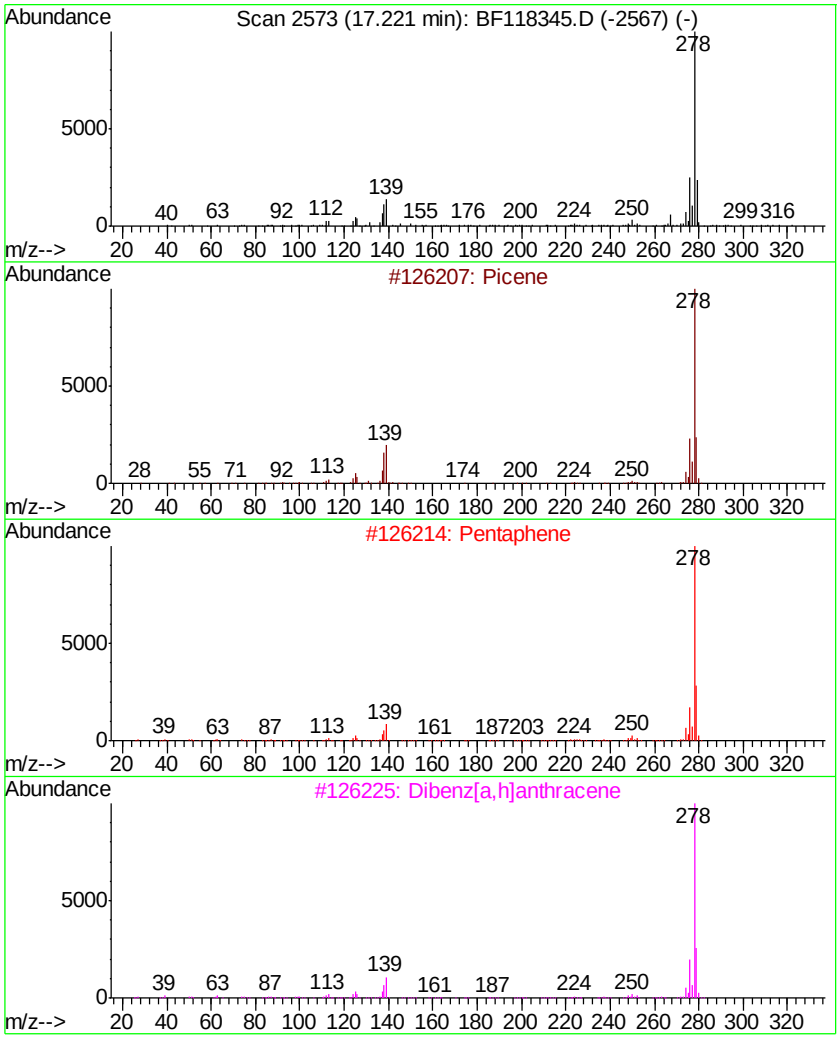
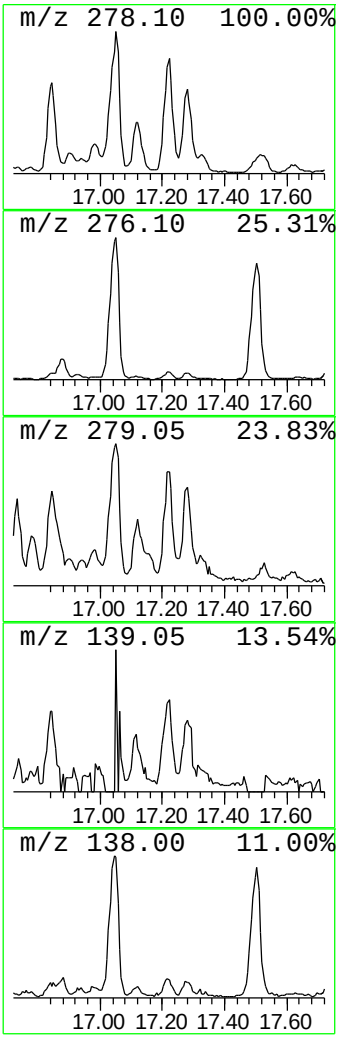
Peak Number 19 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.65 ng	246742	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Pentaphene	278	C22H14	000222-93-5	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	91
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122719\
Data File : BF118345.D
Acq On : 27 Dec 2019 18:40
Operator : JU
Sample : K6431-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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
2-Pentanone, 4-hy...	5.06	13.3	ng	558745	1	6.85	837598	20.0
unknown6.62	6.62	76.5	ng	3204000	1	6.85	837598	20.0
Naphtho[2,1-b]thi...	11.29	3.6	ng	250833	4	11.39	1382990	20.0
Phenanthrene, 1-m...	11.90	6.0	ng	418563	4	11.39	1382990	20.0
Phenanthrene, 2-m...	11.92	14.0	ng	970802	4	11.39	1382990	20.0
4H-Cyclopenta[def...	12.01	10.5	ng	726150	4	11.39	1382990	20.0
Anthracene, 1-met...	12.03	3.4	ng	233250	4	11.39	1382990	20.0
6-Phenylbenzocycl...	12.19	3.9	ng	269315	4	11.39	1382990	20.0
9,10-Anthracenedione	12.22	2.8	ng	196389	4	11.39	1382990	20.0
Phenanthrene, 2,5...	12.45	3.1	ng	212114	4	11.39	1382990	20.0
unknown12.48	12.48	2.8	ng	193866	4	11.39	1382990	20.0
Cyclopenta(def)ph...	12.54	3.4	ng	232679	4	11.39	1382990	20.0
4,6'-Biazulenyl	14.94	3.4	ng	231476	6	15.54	1353110	20.0
Benzo[e]pyrene	15.21	4.9	ng	329934	6	15.54	1353110	20.0
Perylene	15.41	19.6	ng	1326020	6	15.54	1353110	20.0
Nonadecane	15.98	5.3	ng	361383	6	15.54	1353110	20.0
5-Eicosene, (E)-	16.03	7.7	ng	522239	6	15.54	1353110	20.0
Picene	17.22	3.6	ng	246742	6	15.54	1353110	20.0