LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106867.D
Acq On : 27 Jun 2018 13:12
Operator : JU/SJ
Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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-BF061918.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	5.195	482	486	495	rBV	89849	108005	9.29%	0.589%
2	5.595	550	554	558	rBV	972050	915207	78.72%	4.987%
3	6.595	719	724	730	rBV	887687	973632	83.74%	5.305%
4	6.731	742	747	750	rBV	1040658	967996	83.26%	5.274%
5	6.954	781	785	788	rBV	334426	271401	23.34%	1.479%
6	7.107	807	811	815	rBV	779384	739564	63.61%	4.030%
7	7.519	876	881	884	rBV	650009	627069	53.93%	3.417%
8	8.236	999	1003	1006	rBV	396333	356151	30.63%	1.941%
9	9.307	1180	1185	1189	rBV	1078593	1053374	90.60%	5.740%
10	9.701	1249	1252	1258	rVB	227639	180489	15.52%	0.983%
11	9.854	1274	1278	1282	rBV	23777	21684	1.87%	0.118%
12	9.907	1283	1287	1288	rBV	25260	24622	2.12%	0.134%
13	9.995	1298	1302	1305	rBV	483878	413211	35.54%	2.252%
14	10.025	1305	1307	1311	rVB	66484	51648	4.44%	0.281%
15	10.201	1333	1337	1339	rVV2	37932	37857	3.26%	0.206%
16	10.401	1369	1371	1375	rVB	39632	36429	3.13%	0.198%
17	10.542	1392	1395	1399	rVB	74073	67166	5.78%	0.366%
18	10.701	1419	1422	1426	rVB	26724	24966	2.15%	0.136%
19	10.789	1433	1437	1441	rBV	838784	820105	70.54%	4.469%
20	10.877	1449	1452	1462	rVB2	40620	52223	4.49%	0.285%
21	11.095	1482	1489	1491	rBV2	29358	44188	3.80%	0.241%
22	11.219	1505	1510	1512	rBV4	22593	29196	2.51%	0.159%
23	11.242	1512	1514	1520	rVV2	21987	26213	2.25%	0.143%
24	11.330	1526	1529	1536	rVV4	40351	56223	4.84%	0.306%
25	11.383	1536	1538	1542	rVB	40317	32978	2.84%	0.180%
26	11.489	1552	1556	1558	rBV	521201	470729	40.49%	2.565%
27	11.513	1558	1560	1563	rVV	662842	521470	44.85%	2.841%
28	11.566	1564	1569	1571	rVV	170365	155729	13.39%	0.849%
29	11.595	1571	1574	1579	rVB2	19677	26589	2.29%	0.145%
30	11.724	1591	1596	1599	rBV3	36313	44758	3.85%	0.244%
31	11.989	1635	1641	1643	rBV	110191	88403	7.60%	0.482%
32	12.019	1643	1646	1650	rVV	151577	120589	10.37%	0.657%
33	12.066	1650	1654	1657	rVV	69104	55969	4.81%	0.305%
34	12.107	1657	1661	1663	rVV	164509	188068	16.18%	1.025%

LSC Area Percent Report

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Acq On : 27 Jun 2018 13:12
Operator : JU/SJ
Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.124	1663	1664	1668	rVB	76900	46197	3.97%	0.252%
36	12.283	1688	1691	1694	rVB	84503	63412	5.45%	0.346%
37	12.313	1694	1696	1699	rBV2	26191	23327	2.01%	0.127%
38	12.436	1712	1717	1719	rBV2	24594	25285	2.17%	0.138%
39	12.536	1731	1734	1738	rVV	59023	72915	6.27%	0.397%
40	12.583	1738	1742	1743	rVV2	44307	53955	4.64%	0.294%
41	12.630	1746	1750	1754	rVB3	40074	54843	4.72%	0.299%
42	12.707	1759	1763	1767	rBV	828051	819520	70.49%	4.465%
43	12.766	1771	1773	1776	rVB	29378	25279	2.17%	0.138%
44	12.860	1781	1789	1791	rBV2	39152	49116	4.22%	0.268%
45	12.942	1796	1803	1808	rBV2	776057	884933	76.11%	4.822%
46	12.983	1808	1810	1815	rVB2	58123	56080	4.82%	0.306%
47	13.071	1815	1825	1828	rBV	1105171	1162671	100.00%	6.335%
48	13.095	1828	1829	1832	rVB	40327	27566	2.37%	0.150%
49	13.148	1834	1838	1844	rBV3	55777	106493	9.16%	0.580%
50	13.242	1850	1854	1855	rBV3	48691	63310	5.45%	0.345%
51	13.265	1855	1858	1861	rVB	146544	135986	11.70%	0.741%
52	13.330	1866	1869	1872	rVV	117374	99159	8.53%	0.540%
53	13.371	1872	1876	1878	rVV2	86390	109791	9.44%	0.598%
54	13.465	1888	1892	1894	rBV	43541	40036	3.44%	0.218%
55	13.495	1894	1897	1900	rBV2	52784	48756	4.19%	0.266%
56	13.665	1920	1926	1928	rBV5	20032	31045	2.67%	0.169%
57	13.689	1928	1930	1933	rVV	22778	22785	1.96%	0.124%
58	13.748	1937	1940	1943	rBV	22383	26657	2.29%	0.145%
59	13.777	1943	1945	1949	rVB	43391	43129	3.71%	0.235%
60	13.895	1959	1965	1967	rBV2	56856	78627	6.76%	0.428%
61	13.918	1967	1969	1971	rVV	83693	70415	6.06%	0.384%
62	13.954	1971	1975	1978	rVV2	87308	130791	11.25%	0.713%
63	13.989	1978	1981	1985	rVB3	47511	56376	4.85%	0.307%
64	14.065	1989	1994	1998	rBV	23672	43097	3.71%	0.235%
65	14.148	2003	2008	2011	rVV2	550244	845425	72.71%	4.607%
66	14.177	2011	2013	2019	rVB	383218	319604	27.49%	1.741%
67	14.260	2024	2027	2029	rVV	68287	58931	5.07%	0.321%
68	14.301	2032	2034	2037	rVV2	26339	36532	3.14%	0.199%
69	14.348	2040	2042	2044	rVV	25166	22746	1.96%	0.124%
70	14.383	2044	2048	2051	rVV2	36126	57364	4.93%	0.313%
71	14.507	2066	2069	2071	rVV2	28560	31559	2.71%	0.172%

LSC Area Percent Report

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Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.548	2071	2076	2079	rVV	89362	110169	9.48%	0.600%
73	14.583	2079	2082	2085	rVV2	45215	52333	4.50%	0.285%
74	14.630	2085	2090	2092	rVV5	27986	50220	4.32%	0.274%
75	14.648	2092	2093	2096	rVV	39842	38200	3.29%	0.208%
76	14.683	2096	2099	2101	rVV2	46475	54142	4.66%	0.295%
77	14.707	2101	2103	2105	rVV	51798	45733	3.93%	0.249%
78	14.754	2107	2111	2118	rVB3	31112	48746	4.19%	0.266%
79	14.877	2127	2132	2135	rBV4	26195	38245	3.29%	0.208%
80	14.907	2135	2137	2143	rVV6	20852	32020	2.75%	0.174%
81	15.071	2162	2165	2169	rBV2	27056	33043	2.84%	0.180%
82	15.248	2188	2195	2198	rBV	257443	458591	39.44%	2.499%
83	15.271	2198	2199	2204	rVB	150794	102441	8.81%	0.558%
84	15.359	2210	2214	2219	rBV	61759	70489	6.06%	0.384%
85	15.448	2226	2229	2232	rBV2	23586	34881	3.00%	0.190%
86	15.565	2244	2249	2256	rVB	154865	225788	19.42%	1.230%
87	15.636	2256	2261	2266	rBV	253178	329686	28.36%	1.796%
88	15.701	2266	2272	2276	rBV2	263115	378594	32.56%	2.063%
89	15.736	2276	2278	2284	rVB2	75656	92552	7.96%	0.504%
90	15.883	2299	2303	2307	rBV5	10884	24774	2.13%	0.135%
91	15.930	2307	2311	2319	rVB6	18661	43807	3.77%	0.239%
92	16.154	2344	2349	2356	rBV4	12983	31308	2.69%	0.171%
93	16.295	2370	2373	2378	rBV2	15954	21878	1.88%	0.119%
94	17.065	2497	2504	2507	rBV2	15672	29958	2.58%	0.163%
95	17.277	2533	2540	2549	rVB2	99349	208353	17.92%	1.135%
96	17.459	2565	2571	2576	rBV	24108	50070	4.31%	0.273%
97	17.524	2576	2582	2587	rVV3	22631	52835	4.54%	0.288%
98	17.583	2588	2592	2601	rVB10	11227	26778	2.30%	0.146%
99	17.753	2614	2621	2633	rVB	71722	156513	13.46%	0.853%
100	18.012	2659	2665	2677	rVB2	22855	62812	5.40%	0.342%

Sum of corrected areas: 18352573

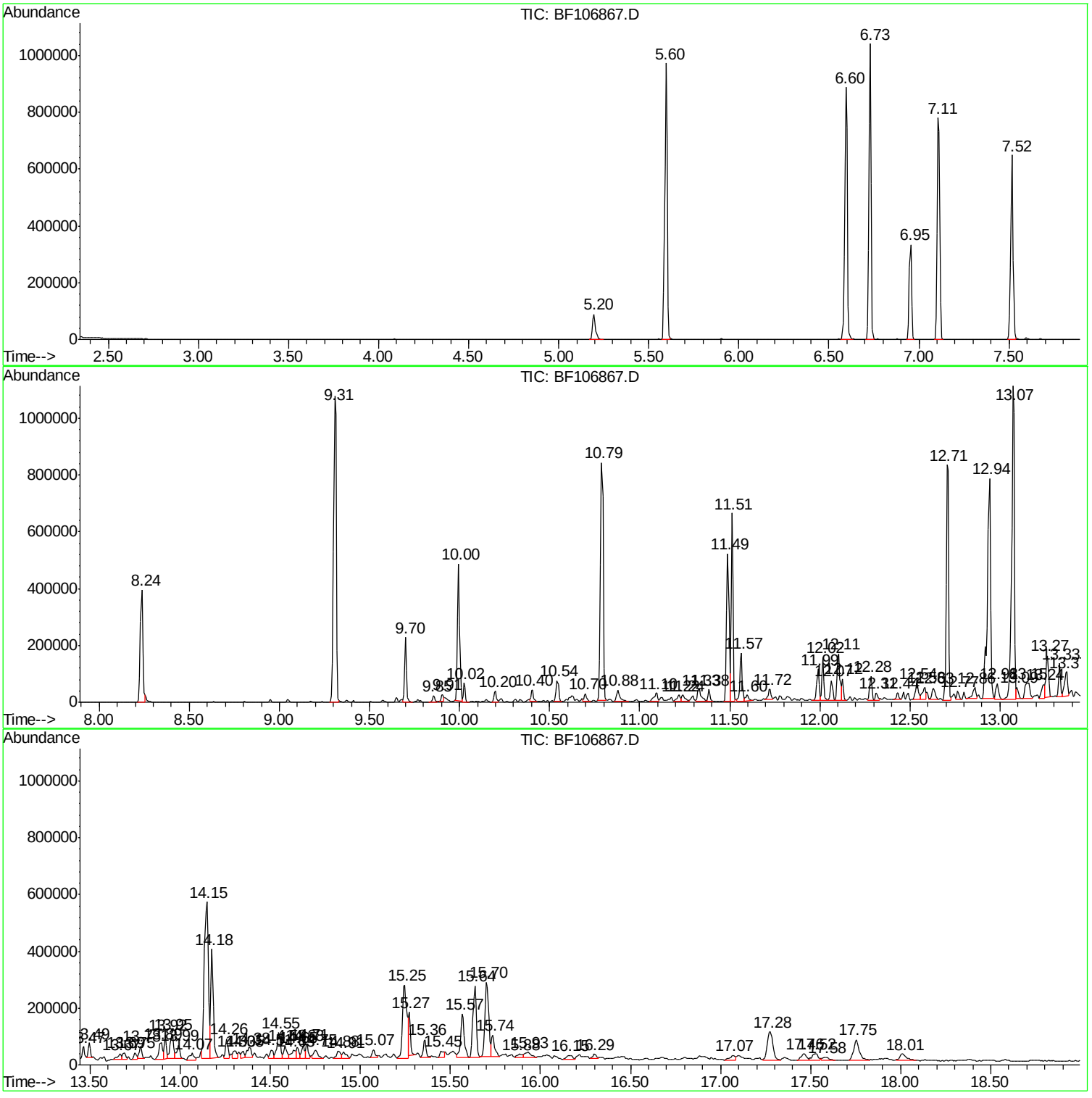
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106867.D
Acq On : 27 Jun 2018 13:12
Operator : JU/SJ
Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062718\
Data File : BF106867.D
Acq On : 27 Jun 2018 13:12
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

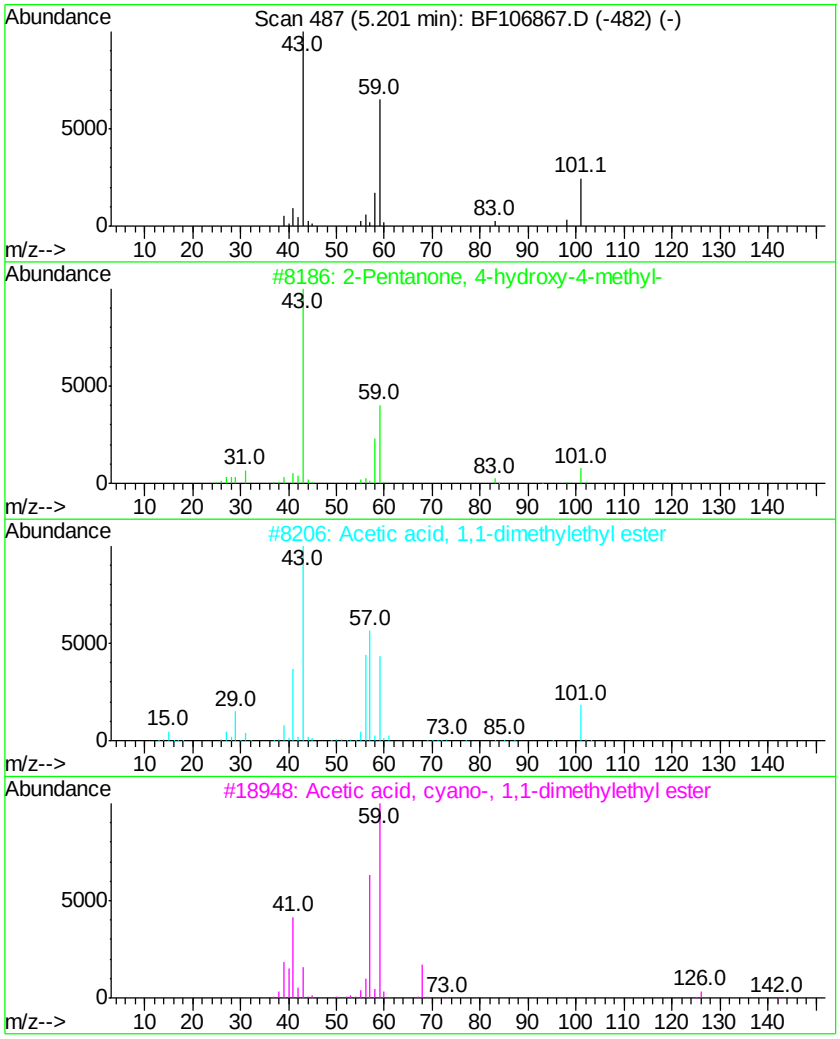
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

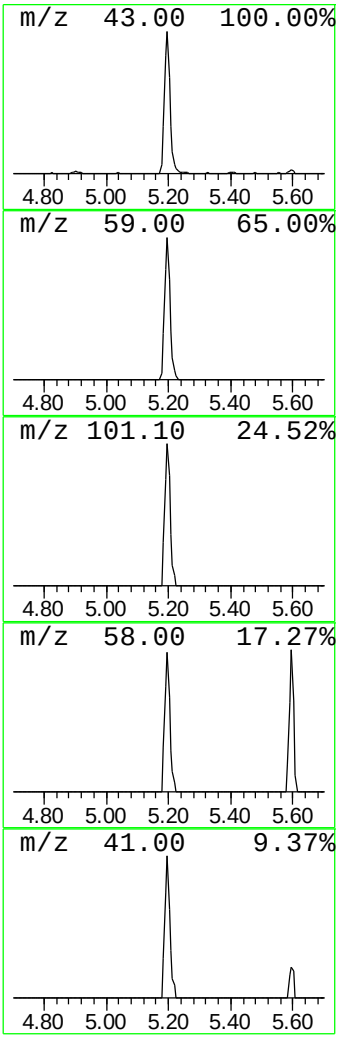
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	7.96 ng	108005	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
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Sample : J3684-10
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Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

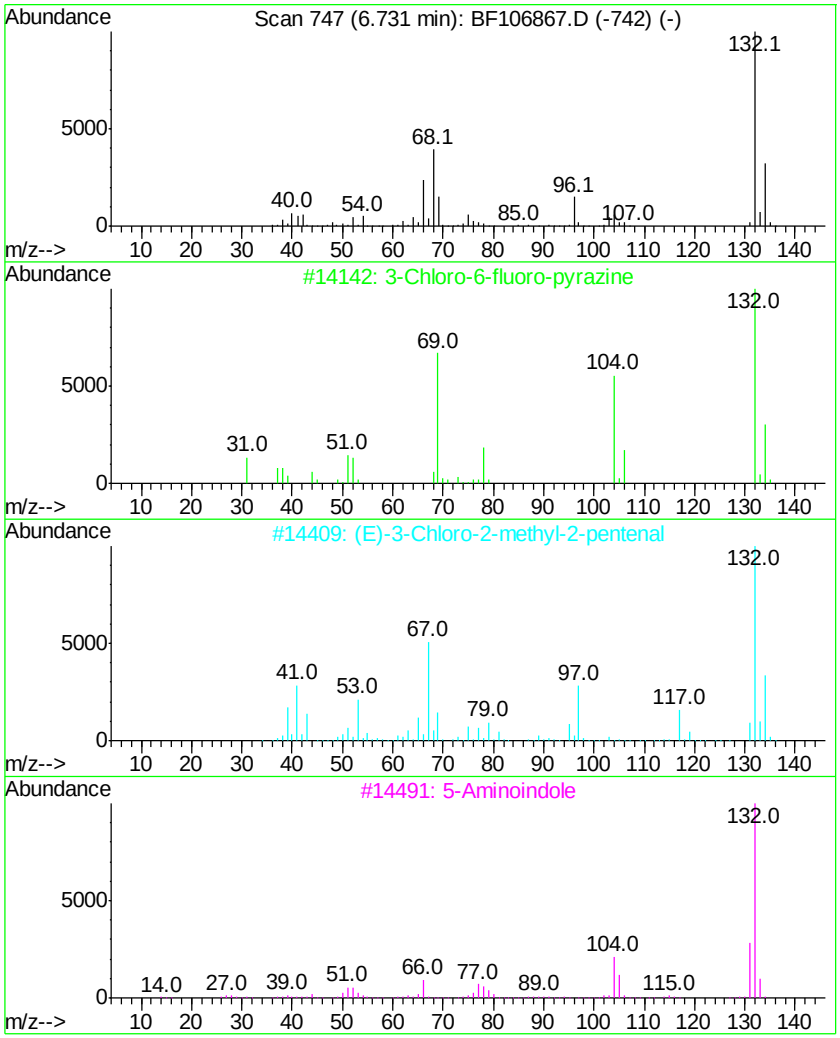
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

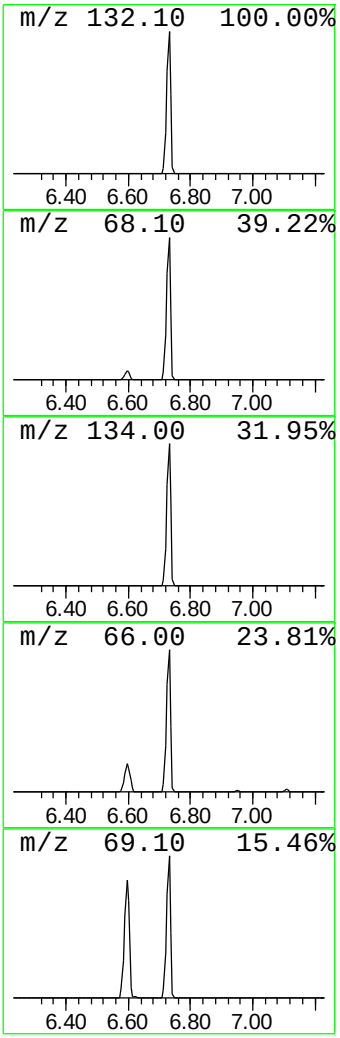
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	71.33 ng	967996	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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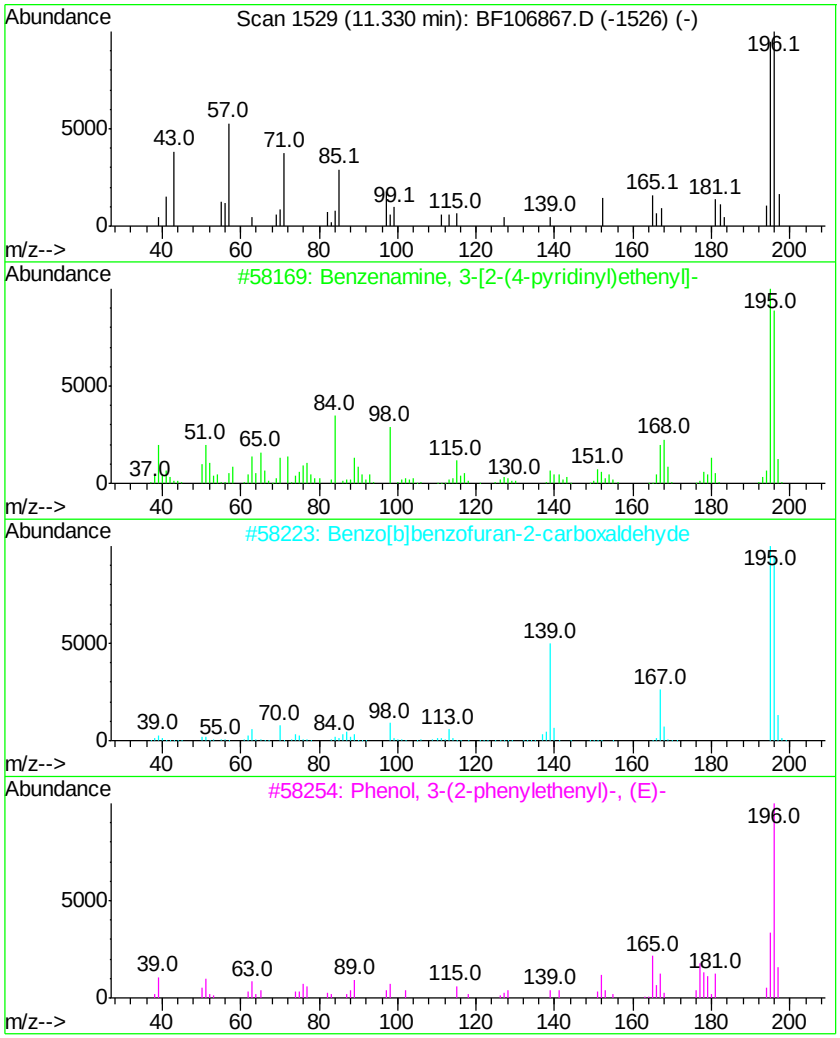
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

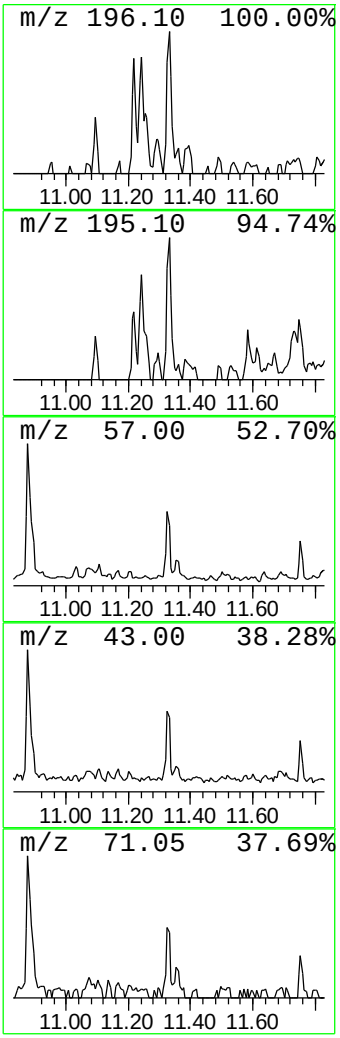
****

Peak Number 4 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.39 ng	56223	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106867.D
Acq On : 27 Jun 2018 13:12
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

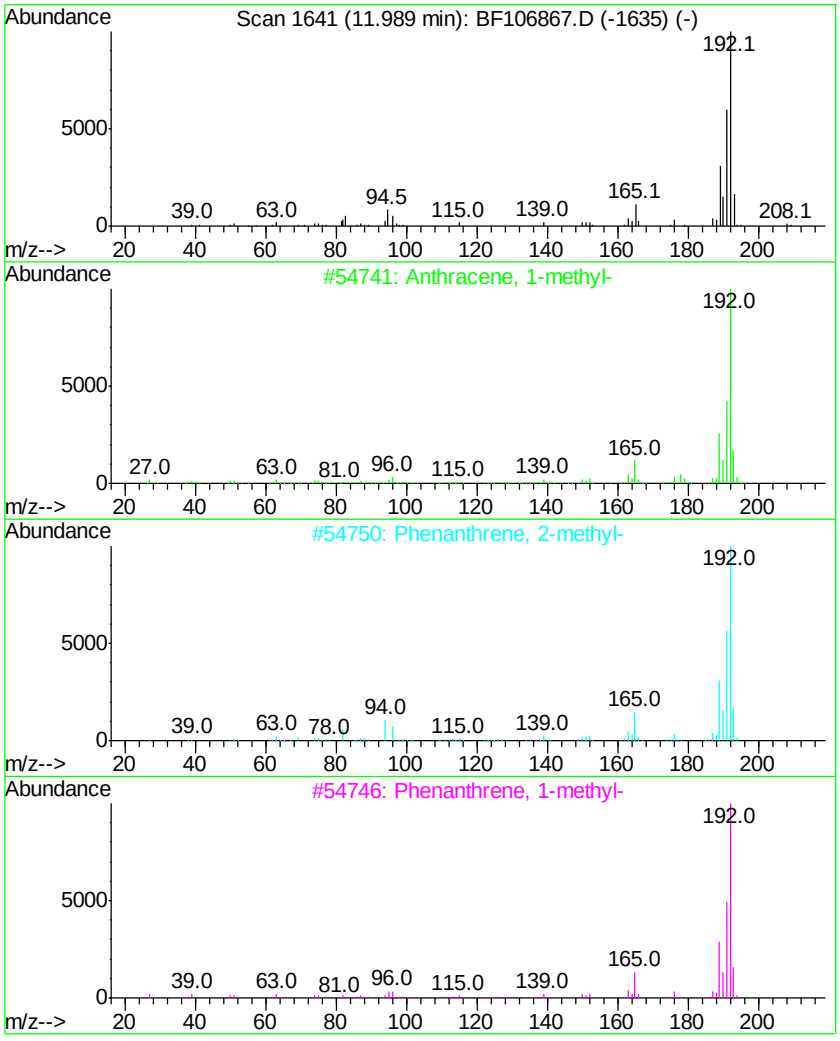
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

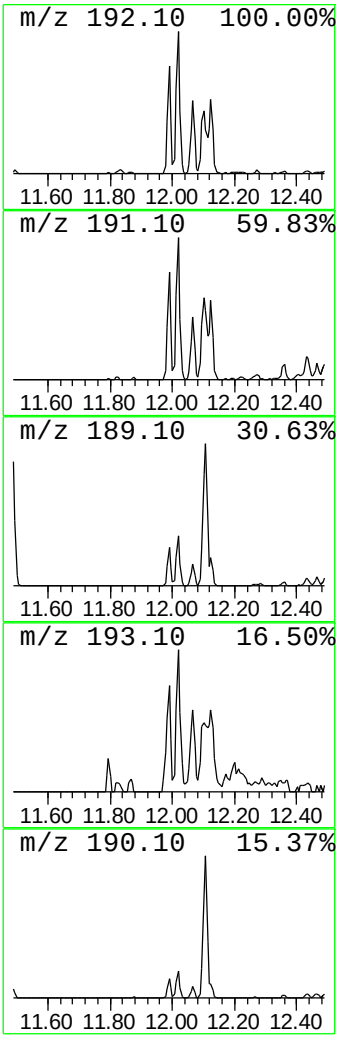
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.76 ng	88403	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106867.D
Acq On : 27 Jun 2018 13:12
Operator : JU/SJ
Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

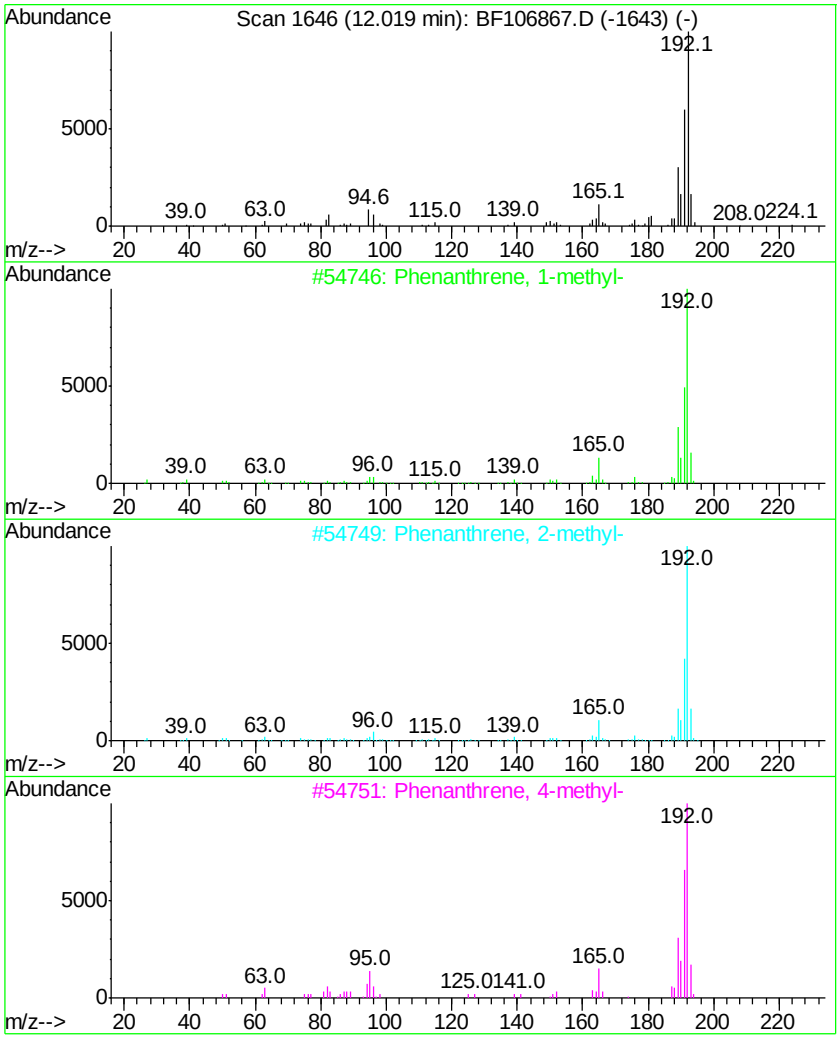
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

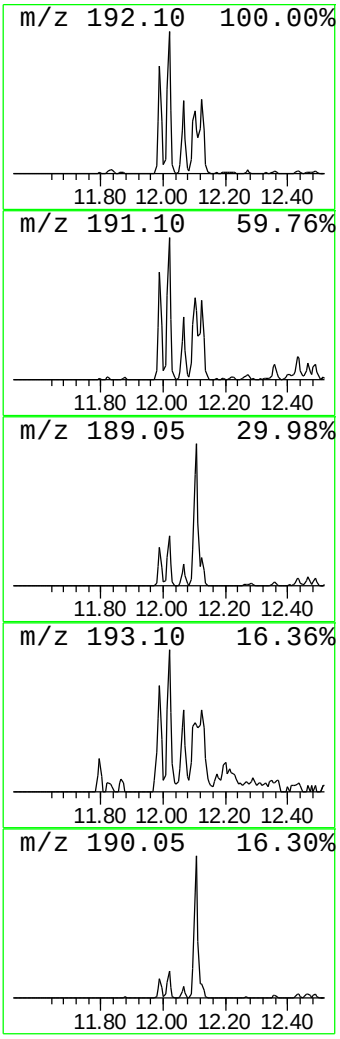
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.12 ng	120589	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

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Data File : BF106867.D
Acq On : 27 Jun 2018 13:12
Operator : JU/SJ
Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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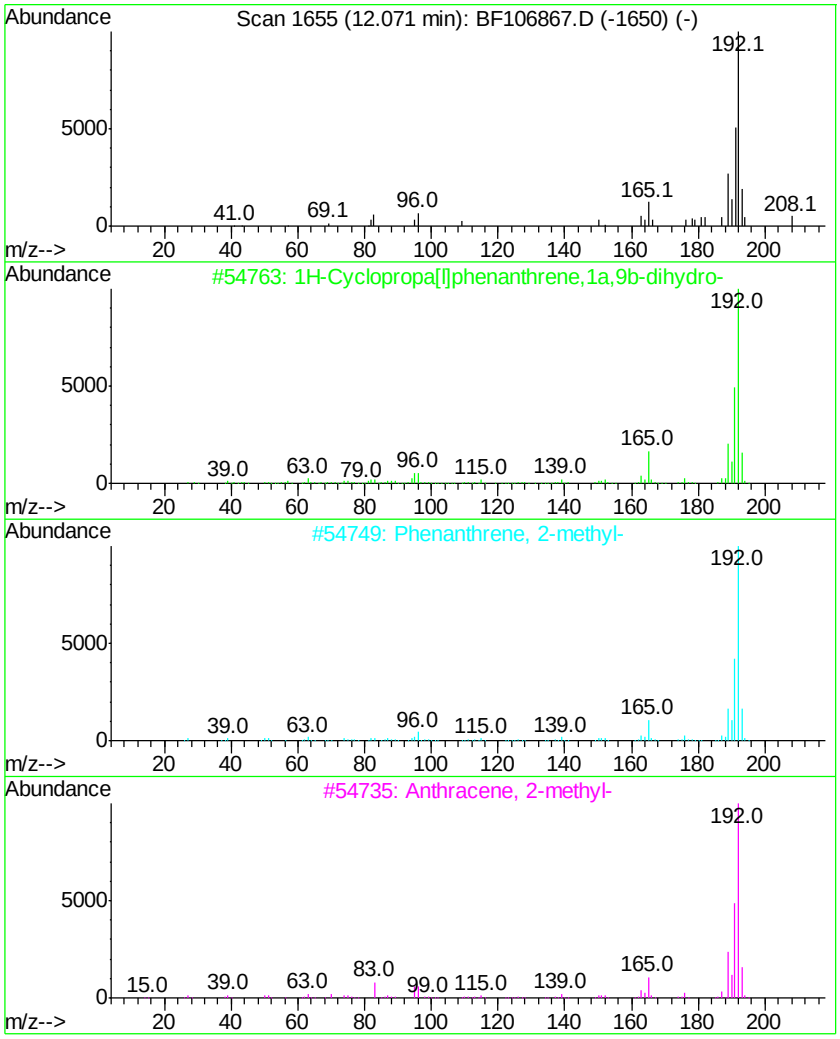
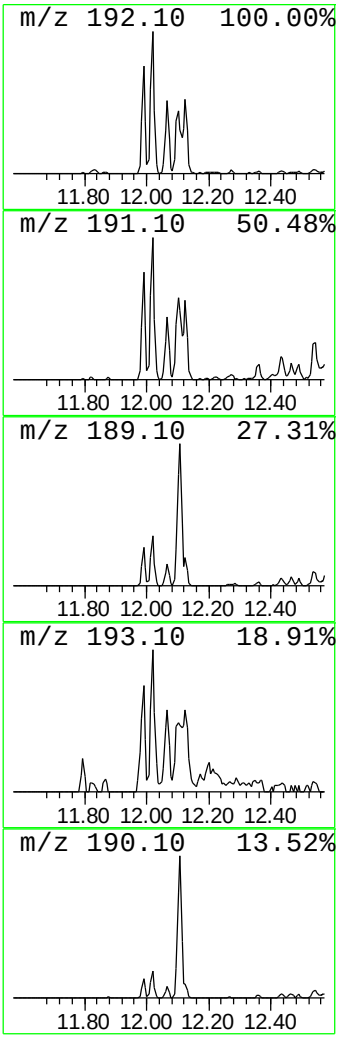
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.38 ng	55969	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Instrument : BNA_F
ClientSampleId : TP-1-D

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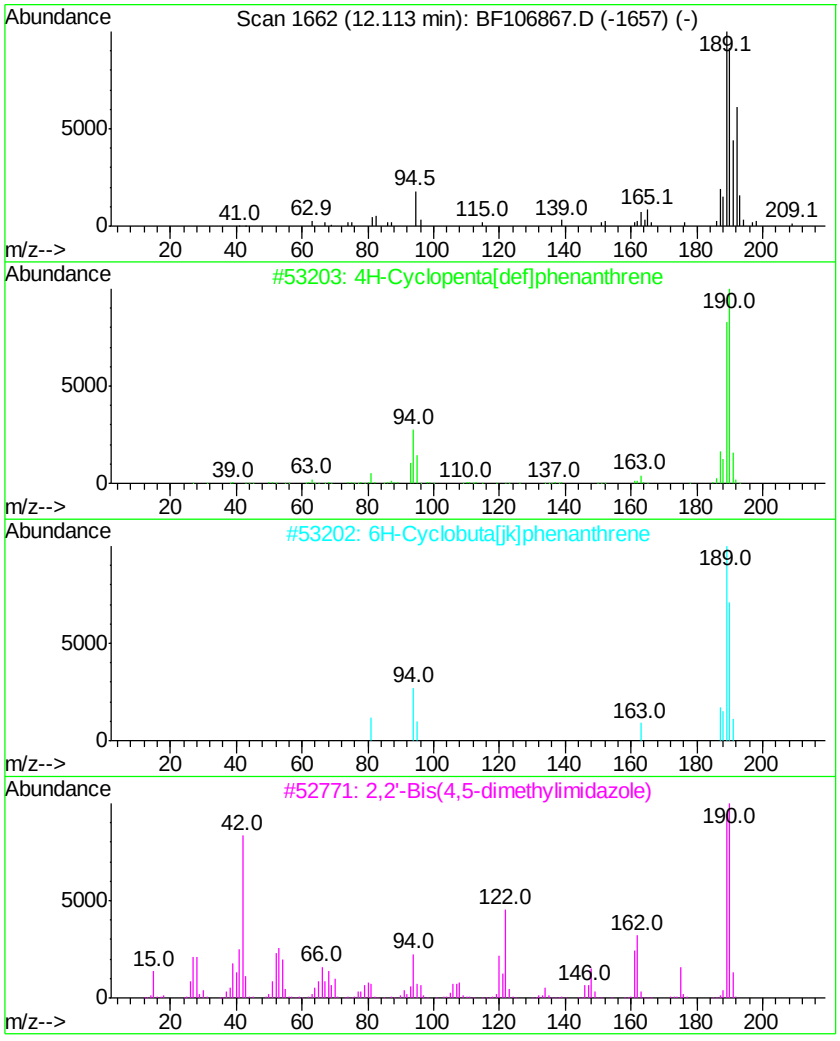
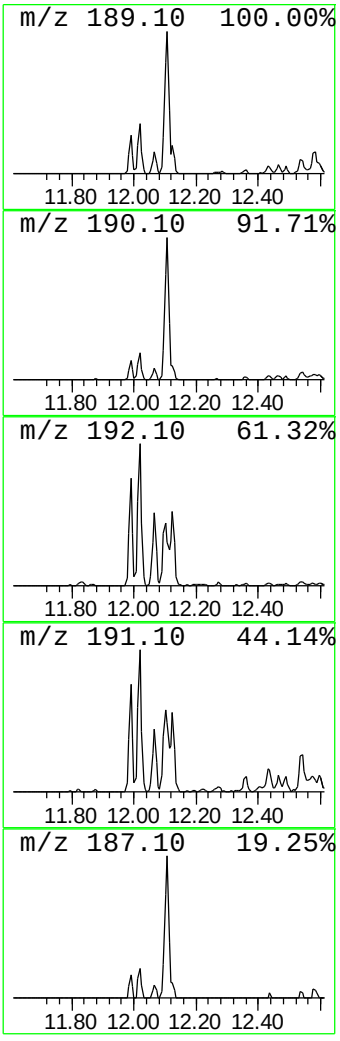
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.99 ng	188068	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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ClientSampleId : TP-1-D

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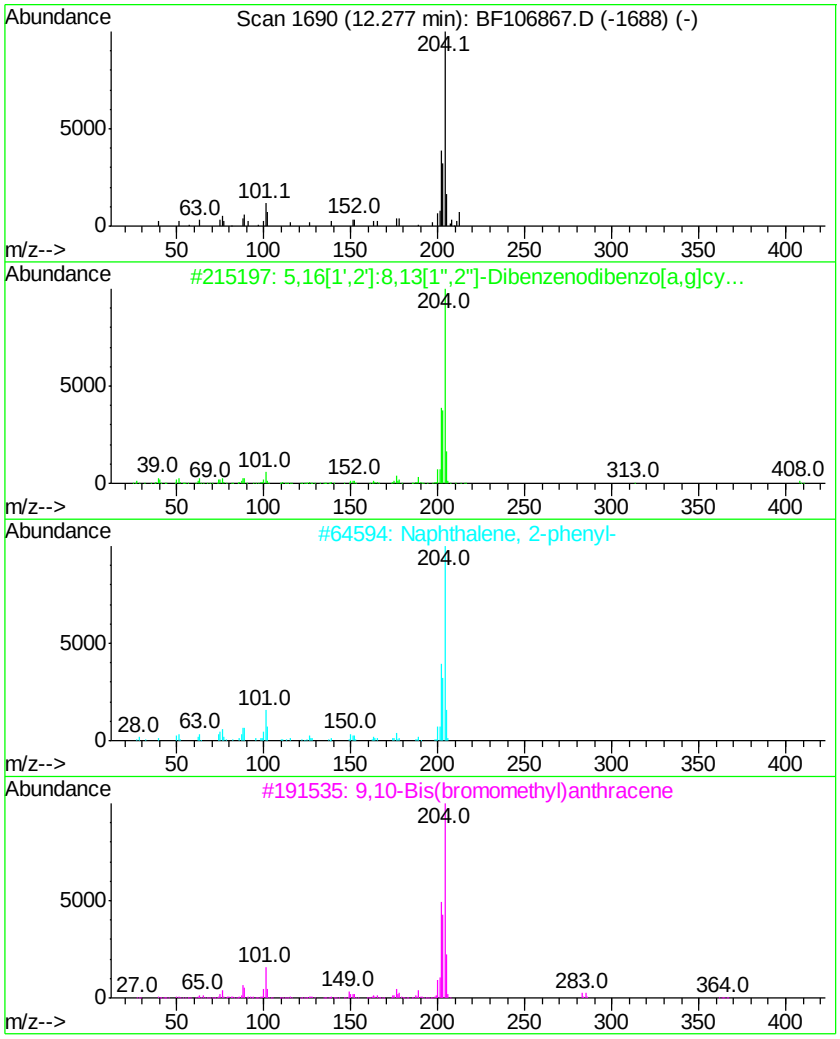
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

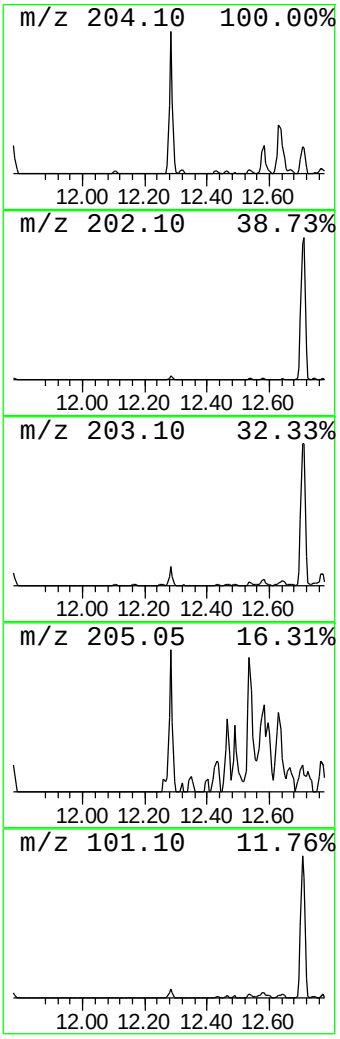
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.69 ng	63412	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId : TP-1-D

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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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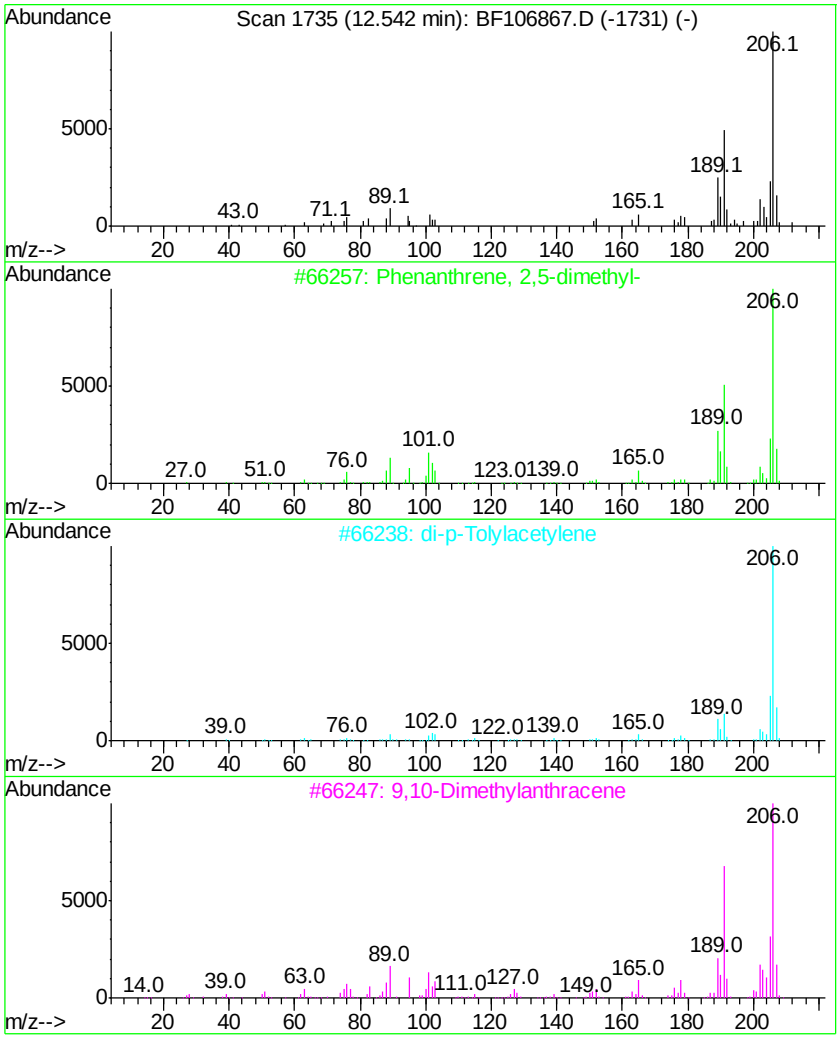
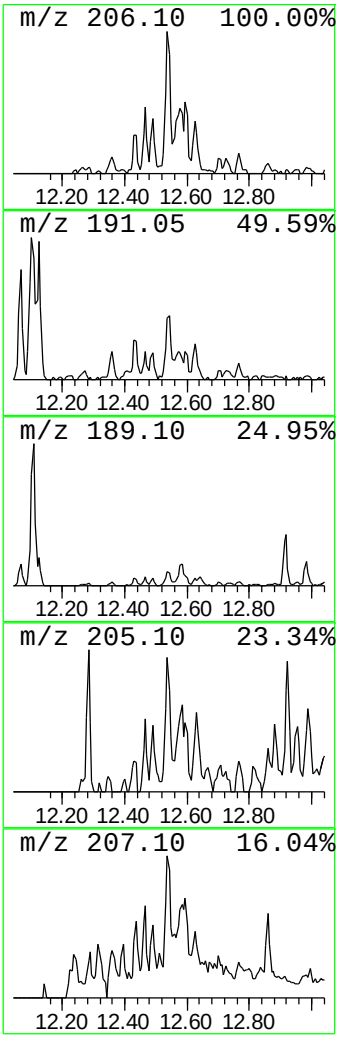
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.10 ng	72915	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
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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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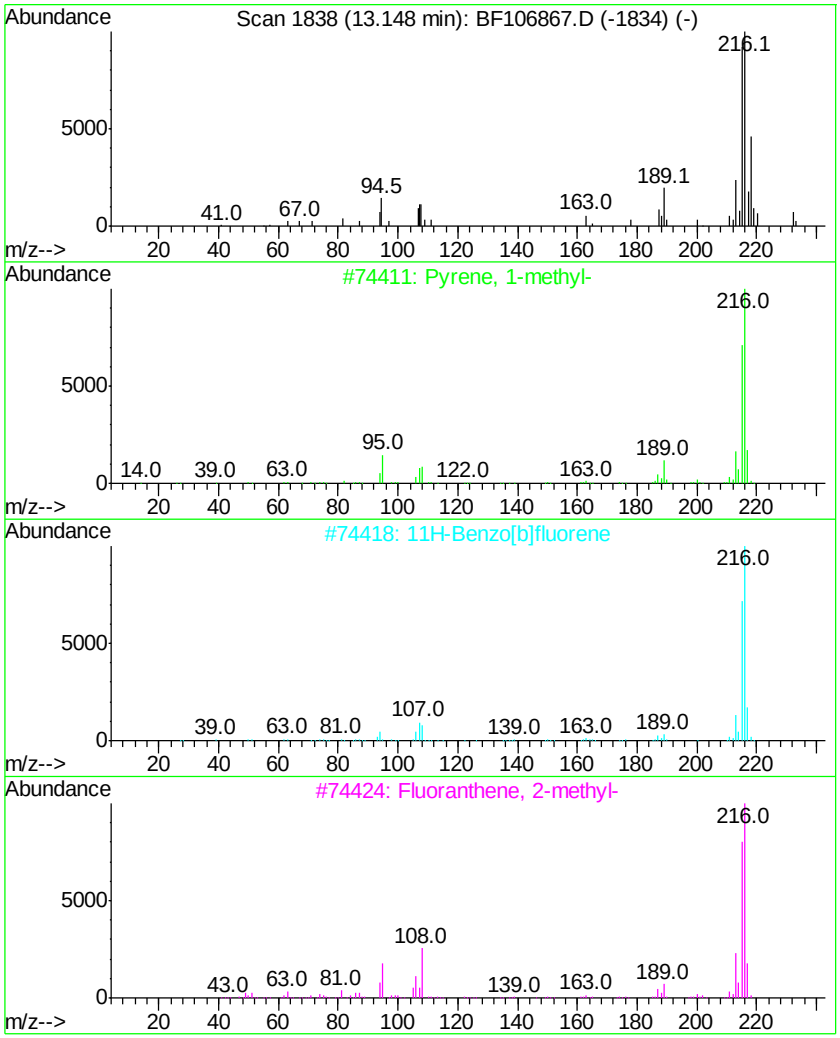
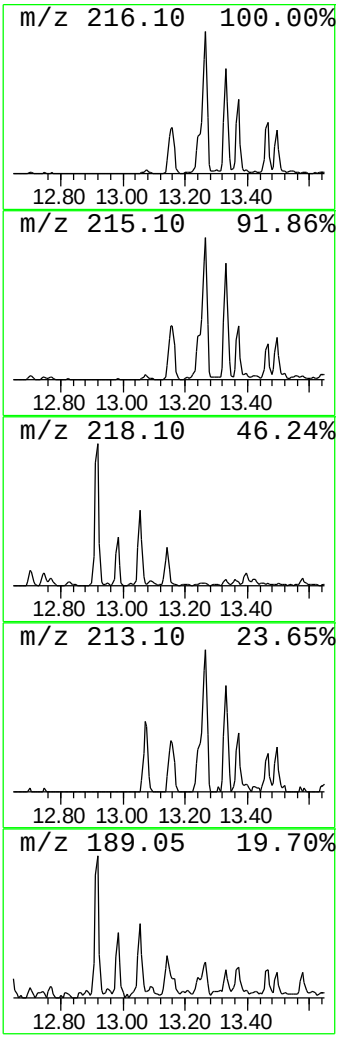
Peak Number 11 unknown13.15 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.52 ng	106493	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52





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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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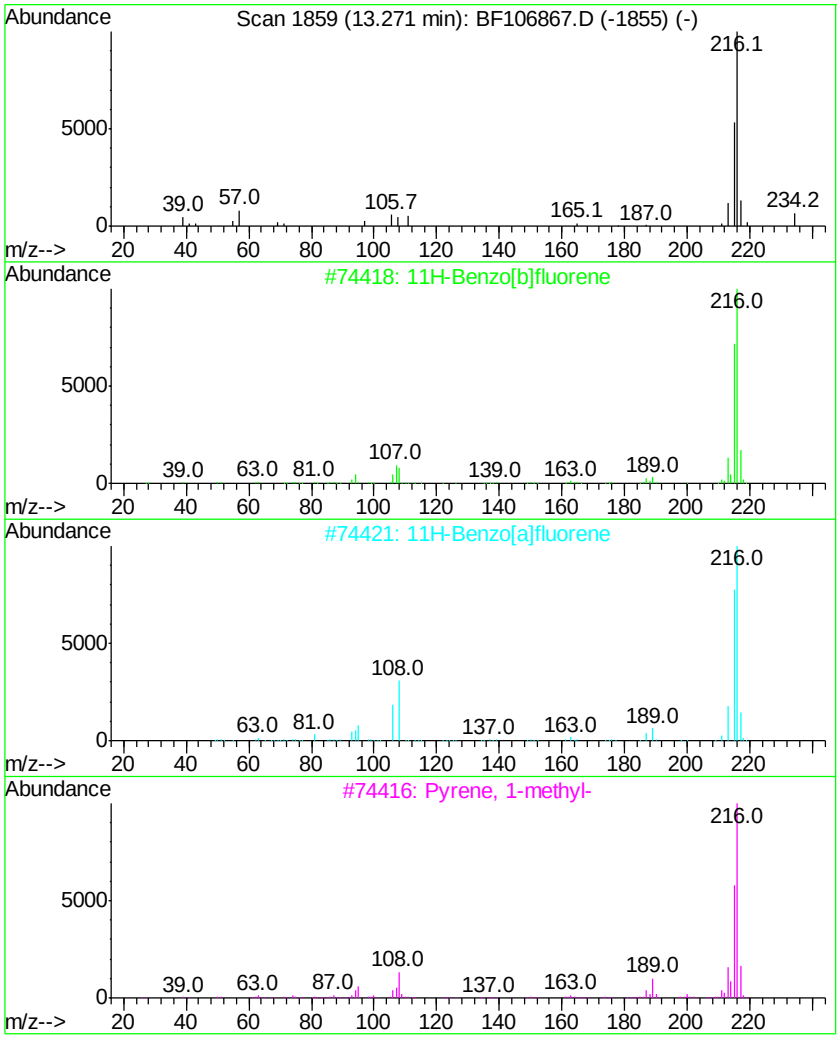
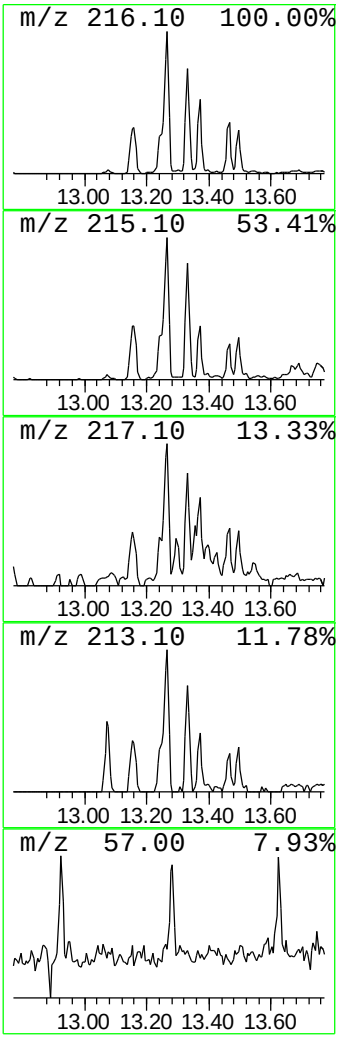
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.22 ng	135986	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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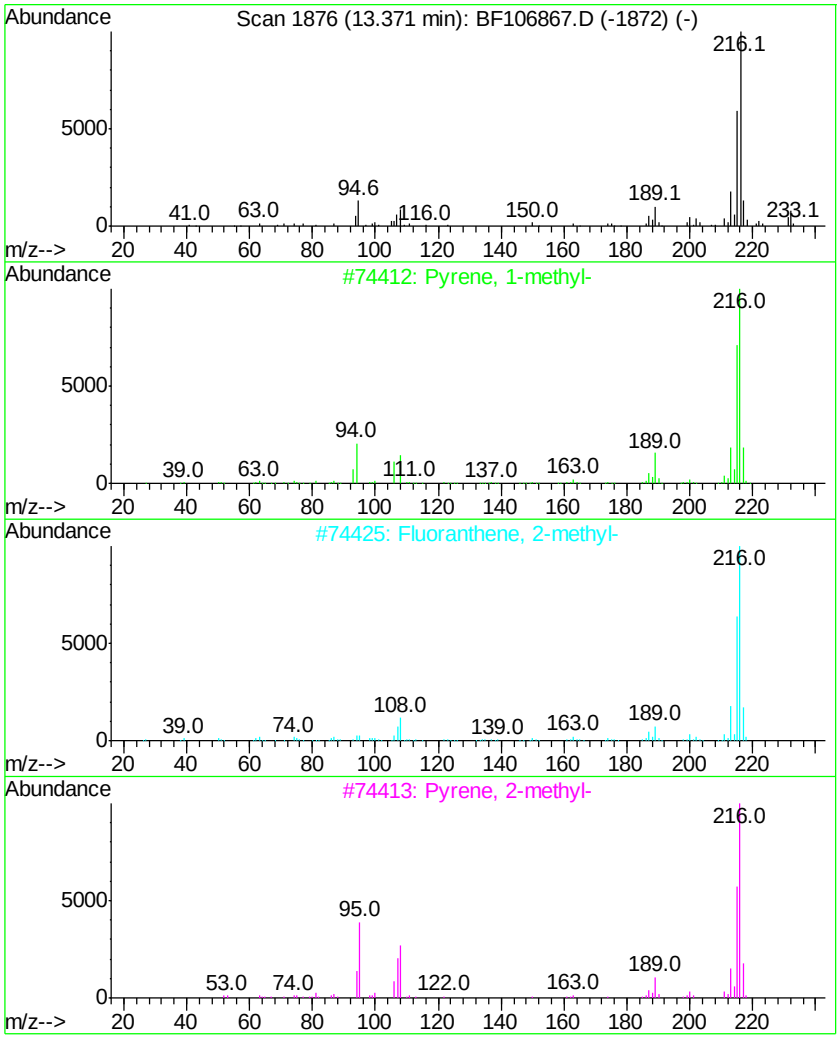
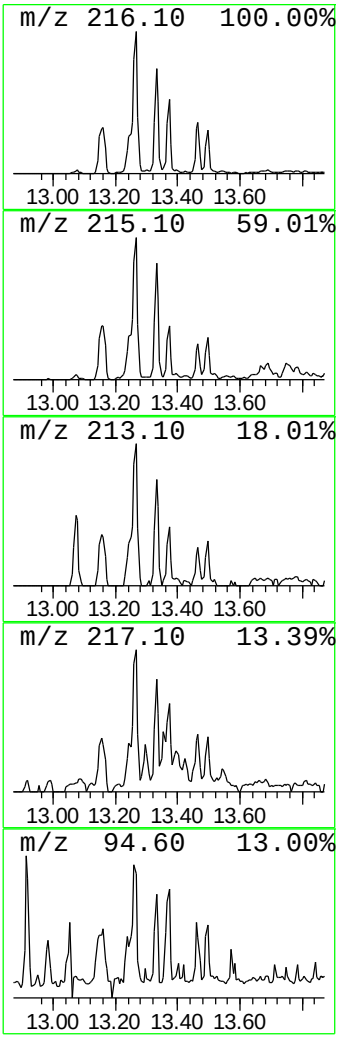
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.60 ng	109791	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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ALS Vial : 6 Sample Multiplier: 1

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

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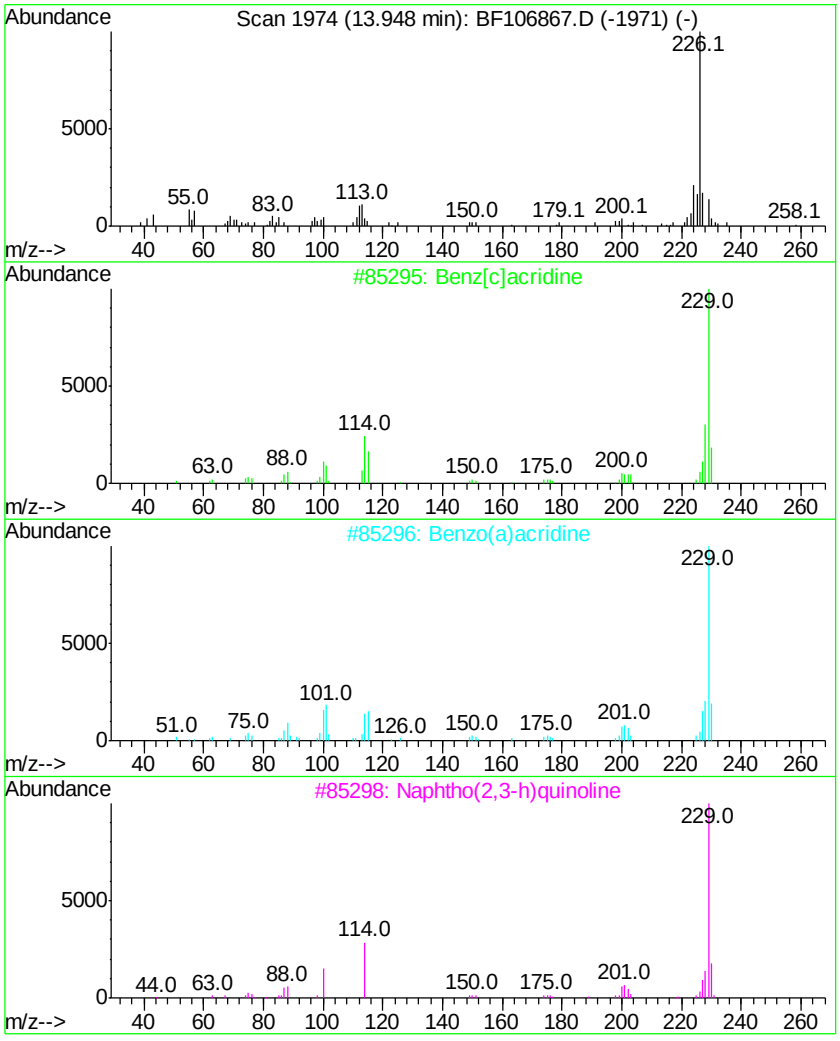
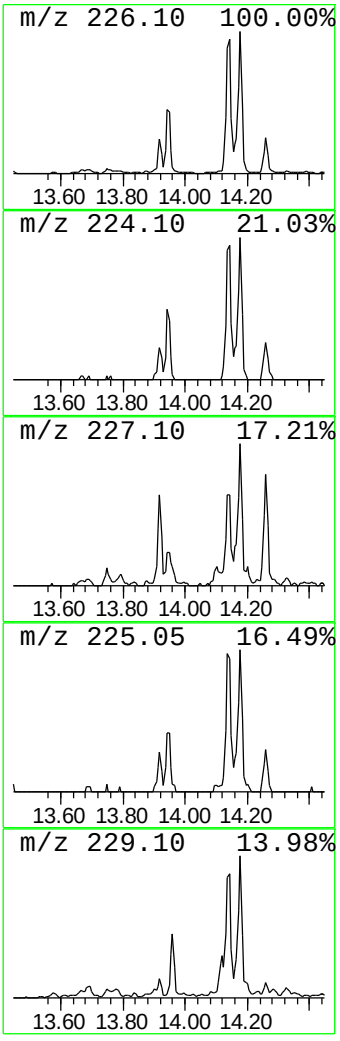
Peak Number 14 Benz[c]acridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.09 ng	130791	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	60
2	Benzo(a)acridine	229	C17H11N	000225-11-6	43
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	38
4	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	38
5	Clonidine	229	C9H9Cl2N3	004205-90-7	35





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TIC Integration Parameters: LSCINT.P

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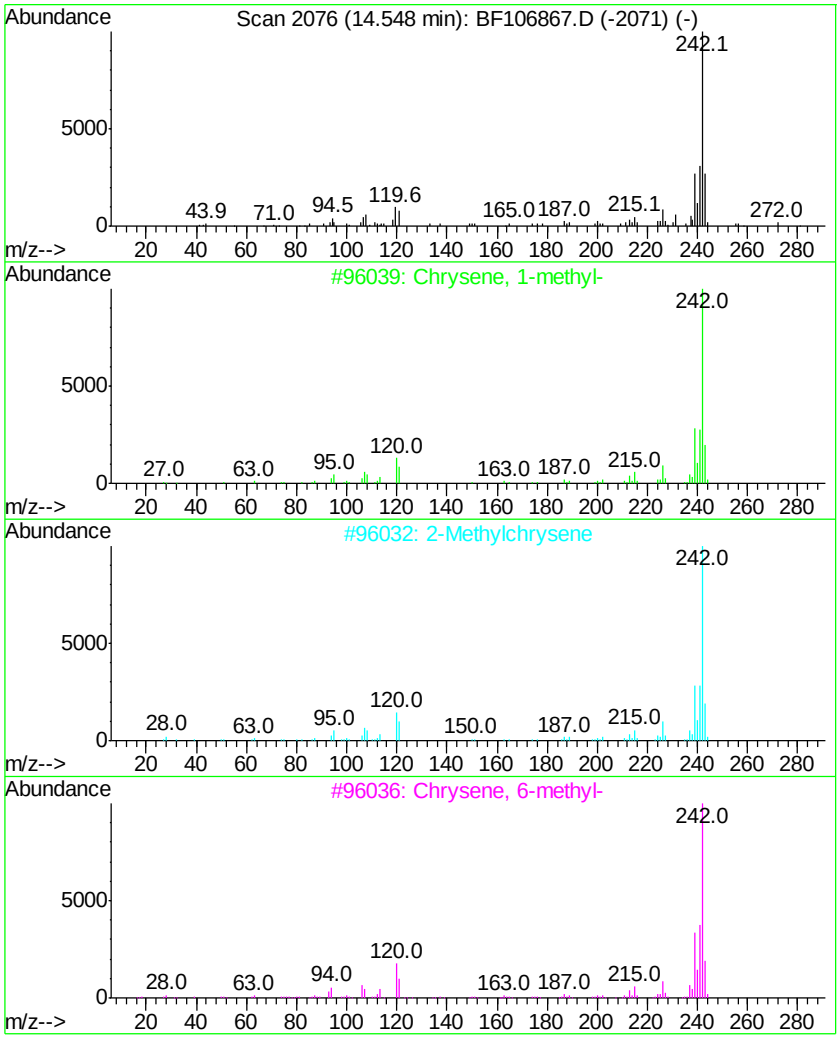
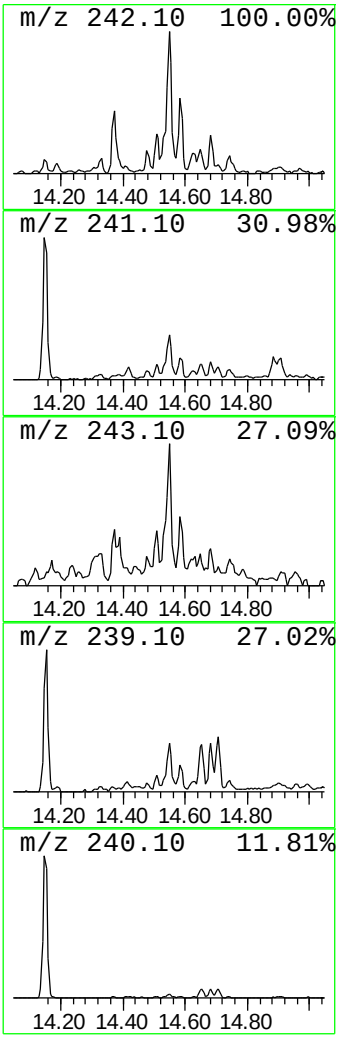
Peak Number 15 Chrysene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.61 ng	110169	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	2-Methylchrysene	242	C19H14	003351-32-4	92
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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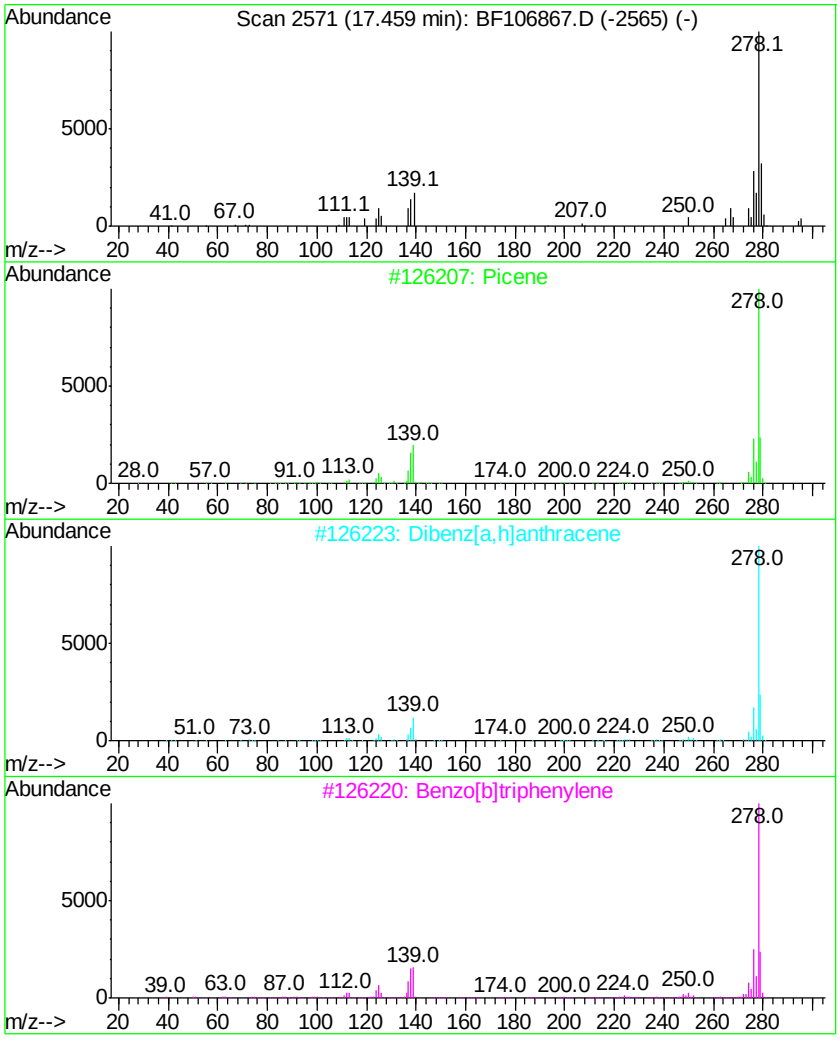
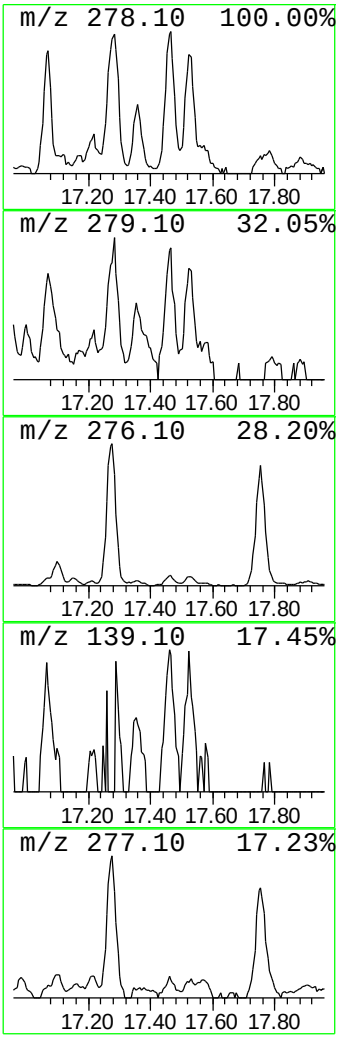
Peak Number 18 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.65 ng	50070	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	70
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
4	Pentacene	278	C22H14	000135-48-8	70
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	58





Library Search Compound Report

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

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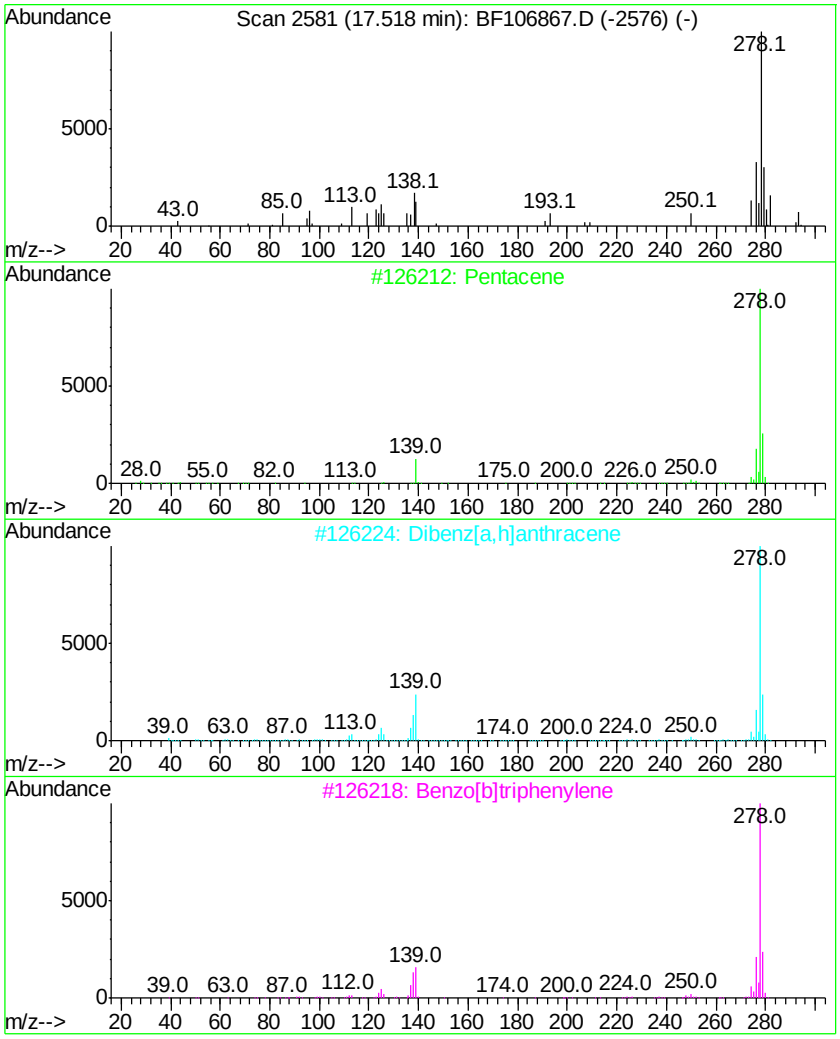
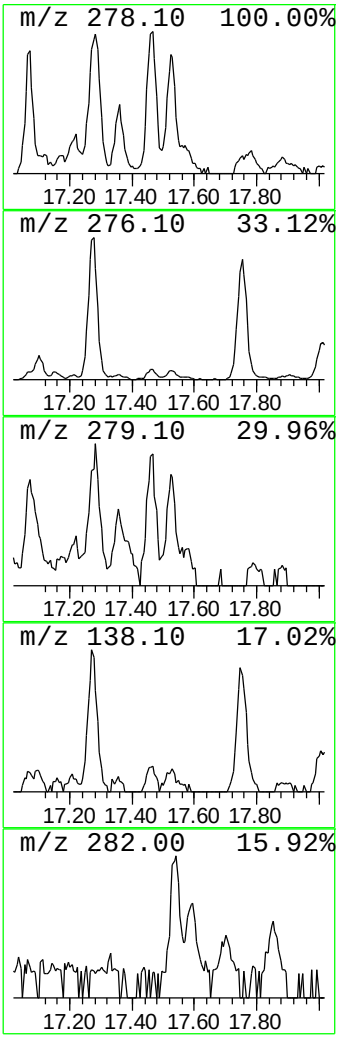
Peak Number 19 Pentacene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	2.79 ng	52835	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	52
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	52
4	Pentaphene	278	C22H14	000222-93-5	52
5	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	50





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
Sample : J3684-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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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...	5.20	8.0	ng	108005	1	6.95	271401	20.0
unknown6.73	6.73	71.3	ng	967996	1	6.95	271401	20.0
Benzenamine, 3-[2...	11.33	2.4	ng	56223	4	11.49	470729	20.0
Anthracene, 1-met...	11.99	3.8	ng	88403	4	11.49	470729	20.0
Phenanthrene, 1-m...	12.02	5.1	ng	120589	4	11.49	470729	20.0
1H-Cyclopropa[l]p...	12.07	2.4	ng	55969	4	11.49	470729	20.0
4H-Cyclopenta[def...	12.11	8.0	ng	188068	4	11.49	470729	20.0
5,16[1',2']:8,13[...	12.28	2.7	ng	63412	4	11.49	470729	20.0
Phenanthrene, 2,5...	12.54	3.1	ng	72915	4	11.49	470729	20.0
unknown13.15	13.15	2.5	ng	106493	5	14.15	845425	20.0
11H-Benzo[b]fluorene	13.27	3.2	ng	135986	5	14.15	845425	20.0
Pyrene, 1-methyl-	13.37	2.6	ng	109791	5	14.15	845425	20.0
Benz[c]acridine	13.95	3.1	ng	130791	5	14.15	845425	20.0
Chrysene, 1-methyl-	14.55	2.6	ng	110169	5	14.15	845425	20.0
Picene	17.46	2.6	ng	50070	6	15.70	378594	20.0
Pentacene	17.52	2.8	ng	52835	6	15.70	378594	20.0