LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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	5.087	506	510	520	rBV	116493	142949	7.76%	0.453%
2	5.481	573	577	588	rBV	1392928	1410170	76.52%	4.468%
3	6.493	744	749	761	rBV	1466202	1466452	79.57%	4.647%
4	6.628	768	772	775	rBV	1591613	1494785	81.11%	4.737%
5	6.857	807	811	814	rBV	572756	444292	24.11%	1.408%
6	7.016	833	838	841	rBV	1345078	1232441	66.87%	3.905%
7	7.422	902	907	910	rBV	1018193	951399	51.62%	3.015%
8	8.140	1025	1029	1031	rBV	701755	591499	32.09%	1.874%
9	8.157	1031	1032	1036	rVB	77924	49784	2.70%	0.158%
10	9.216	1206	1212	1215	rBV	2045977	1842977	100.00%	5.840%
11	9.604	1275	1278	1286	rVB2	176601	168120	9.12%	0.533%
12	9.751	1300	1303	1307	rBV	210906	184681	10.02%	0.585%
13	9.816	1309	1314	1319	rVV2	78473	76706	4.16%	0.243%
14	9.892	1323	1327	1331	rVV2	731173	643823	34.93%	2.040%
15	10.316	1397	1399	1402	rVV	91384	63377	3.44%	0.201%
16	10.681	1457	1461	1465	rVB	982877	923379	50.10%	2.926%
17	10.786	1476	1479	1485	rBV3	86542	117714	6.39%	0.373%
18	10.986	1506	1513	1516	rBV6	27064	46959	2.55%	0.149%
19	11.139	1536	1539	1544	rVV	40920	55927	3.03%	0.177%
20	11.233	1549	1555	1558	rVV2	77772	95938	5.21%	0.304%
21	11.275	1558	1562	1567	rVB2	37487	51951	2.82%	0.165%
22	11.380	1576	1580	1582	rBV	693062	602484	32.69%	1.909%
23	11.404	1582	1584	1588	rVV	689814	530920	28.81%	1.682%
24	11.457	1590	1593	1595	rVV	163199	143199	7.77%	0.454%
25	11.610	1612	1619	1624	rBV3	51870	101368	5.50%	0.321%
26	11.663	1625	1628	1633	rVB2	82664	94563	5.13%	0.300%
27	11.880	1659	1665	1666	rBV	163142	144823	7.86%	0.459%
28	11.898	1666	1668	1674	rVV2	244869	346295	18.79%	1.097%
29	11.957	1675	1678	1680	rVV	80876	67920	3.69%	0.215%
30	11.992	1680	1684	1686	rVV2	195612	220322	11.95%	0.698%
31	12.016	1686	1688	1691	rVB	132614	105850	5.74%	0.335%
32	12.069	1693	1697	1702	rBV4	81449	92080	5.00%	0.292%
33	12.175	1713	1715	1718	rVB	117841	84488	4.58%	0.268%
34	12.204	1718	1720	1722	rVB	78684	56556	3.07%	0.179%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.322	1735	1740	1743	rBV2	80282	91931	4.99%	0.291%
36	12.427	1752	1758	1761	rBV	158848	196142	10.64%	0.622%
37	12.463	1761	1764	1767	rVV3	84378	94996	5.15%	0.301%
38	12.516	1770	1773	1778	rVB2	121480	135527	7.35%	0.429%
39	12.598	1782	1787	1790	rBV	1257216	1120298	60.79%	3.550%
40	12.686	1799	1802	1805	rVB2	188174	178702	9.70%	0.566%
41	12.827	1819	1826	1831	rBV	1328485	1392145	75.54%	4.411%
42	12.874	1831	1834	1838	rVB2	89518	112425	6.10%	0.356%
43	12.939	1841	1845	1846	rBV2	76506	76651	4.16%	0.243%
44	12.963	1846	1849	1856	rVB	1332182	1371603	74.42%	4.346%
45	13.039	1857	1862	1867	rBV3	138562	239920	13.02%	0.760%
46	13.127	1874	1877	1878	rBV2	122328	123625	6.71%	0.392%
47	13.186	1884	1887	1890	rBV2	71325	74578	4.05%	0.236%
48	13.216	1890	1892	1894	rVV	64697	54799	2.97%	0.174%
49	13.251	1894	1898	1901	rVV2	204246	233643	12.68%	0.740%
50	13.316	1906	1909	1912	rBV3	50496	73942	4.01%	0.234%
51	13.351	1912	1915	1917	rVV	152549	141800	7.69%	0.449%
52	13.380	1917	1920	1923	rVB	130081	125747	6.82%	0.398%
53	13.527	1942	1945	1948	rBV5	70663	89139	4.84%	0.282%
54	13.657	1964	1967	1971	rVB	195911	181605	9.85%	0.575%
55	13.769	1980	1986	1989	rVV2	128720	194823	10.57%	0.617%
56	13.798	1989	1991	1993	rVV	156012	130669	7.09%	0.414%
57	13.821	1993	1995	1998	rVV2	134963	160198	8.69%	0.508%
58	13.851	1998	2000	2001	rVV2	128240	124263	6.74%	0.394%
59	13.869	2001	2003	2006	rVB	148469	133917	7.27%	0.424%
60	14.016	2021	2028	2032	rBV2	926700	1437814	78.02%	4.556%
61	14.051	2032	2034	2039	rVB	723413	600206	32.57%	1.902%
62	14.169	2051	2054	2063	rVB5	106288	190719	10.35%	0.604%
63	14.251	2063	2068	2070	rBV2	56010	73747	4.00%	0.234%
64	14.274	2070	2072	2075	rVB3	53471	48733	2.64%	0.154%
65	14.339	2080	2083	2086	rBV3	35536	44217	2.40%	0.140%
66	14.369	2086	2088	2090	rBV	58782	53893	2.92%	0.171%
67	14.404	2090	2094	2097	rVV	224293	268224	14.55%	0.850%
68	14.439	2097	2100	2104	rVV2	141532	150932	8.19%	0.478%
69	14.486	2104	2108	2113	rVV3	89876	200150	10.86%	0.634%
70	14.533	2113	2116	2118	rVV	126928	132580	7.19%	0.420%
71	14.551	2118	2119	2124	rVV2	84978	89343	4.85%	0.283%

LSC Area Percent Report

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Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.604	2125	2128	2134	rVB	77133	86055	4.67%	0.273%
73	14.739	2149	2151	2157	rVB4	49262	66713	3.62%	0.211%
74	14.792	2157	2160	2163	rBV3	39863	58407	3.17%	0.185%
75	14.827	2164	2166	2169	rVB2	47646	45284	2.46%	0.143%
76	14.898	2174	2178	2186	rVB4	80104	174526	9.47%	0.553%
77	14.968	2186	2190	2195	rBV4	43229	75215	4.08%	0.238%
78	15.068	2201	2207	2210	rBV	686511	1157718	62.82%	3.668%
79	15.174	2221	2225	2228	rVB	192582	205652	11.16%	0.652%
80	15.263	2236	2240	2241	rBV2	38858	47386	2.57%	0.150%
81	15.374	2253	2259	2264	rVB	557585	727180	39.46%	2.304%
82	15.439	2264	2270	2274	rVV	713142	868774	47.14%	2.753%
83	15.498	2274	2280	2283	rVV	386938	525648	28.52%	1.666%
84	15.527	2283	2285	2291	rVV2	217032	284591	15.44%	0.902%
85	15.810	2330	2333	2337	rVV2	52025	68677	3.73%	0.218%
86	15.851	2337	2340	2347	rVB	54742	78673	4.27%	0.249%
87	15.933	2349	2354	2358	rBV3	53749	85696	4.65%	0.272%
88	15.974	2358	2361	2365	rBV	44436	71932	3.90%	0.228%
89	16.063	2372	2376	2380	rBV2	43308	62431	3.39%	0.198%
90	16.521	2450	2454	2459	rBV6	32235	59423	3.22%	0.188%
91	16.627	2468	2472	2485	rVB8	54538	137373	7.45%	0.435%
92	16.774	2493	2497	2500	rBV3	37461	67837	3.68%	0.215%
93	16.810	2500	2503	2517	rVB5	73443	169389	9.19%	0.537%
94	16.974	2524	2531	2538	rVB2	302096	592034	32.12%	1.876%
95	17.045	2540	2543	2551	rVB2	27933	47924	2.60%	0.152%
96	17.145	2555	2560	2565	rBV2	59286	108158	5.87%	0.343%
97	17.204	2565	2570	2575	rBV3	50924	90559	4.91%	0.287%
98	17.427	2599	2608	2621	rVB	282865	636770	34.55%	2.018%
99	17.657	2640	2647	2653	rBV	55881	120063	6.51%	0.380%
100	18.180	2732	2736	2745	rVB5	19726	48449	2.63%	0.154%

Sum of corrected areas: 31558374

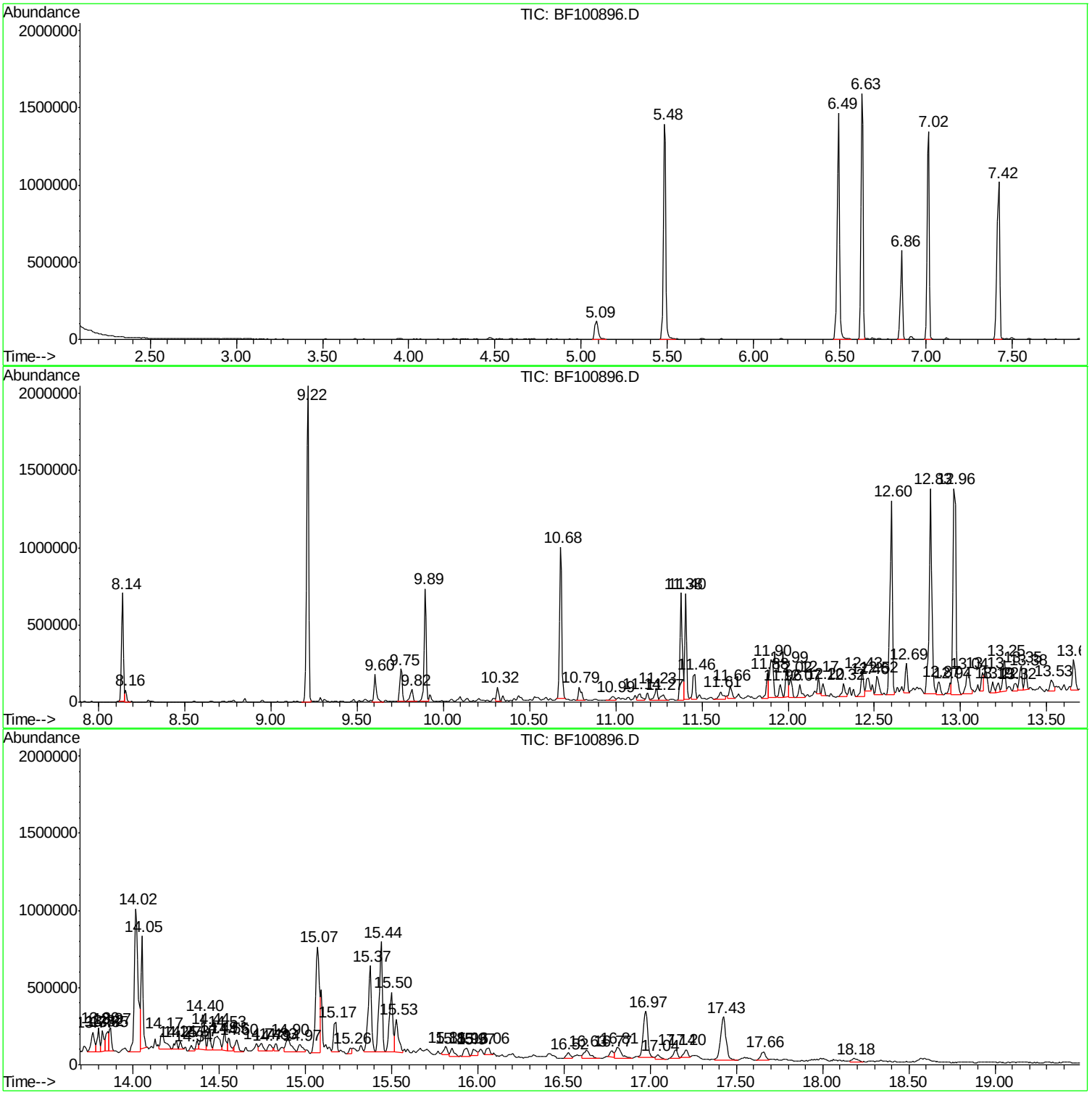
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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Acq On : 27 Nov 2017 17:07
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Sample : I6548-03
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Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

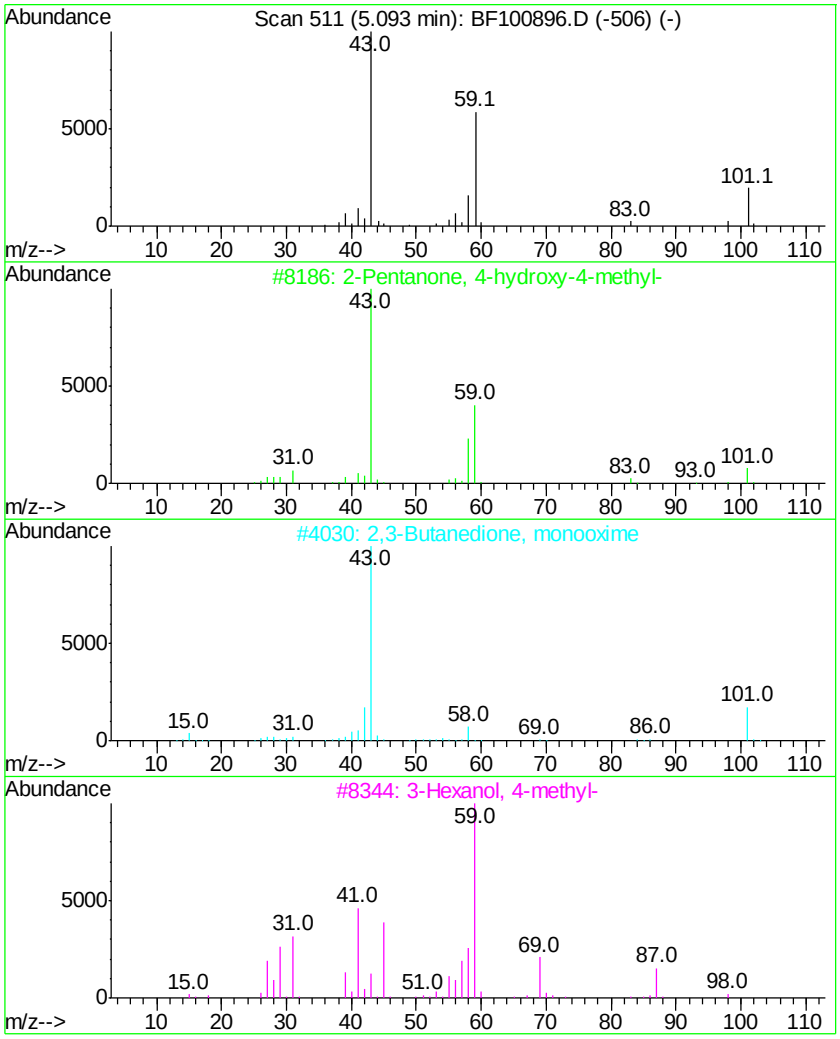
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

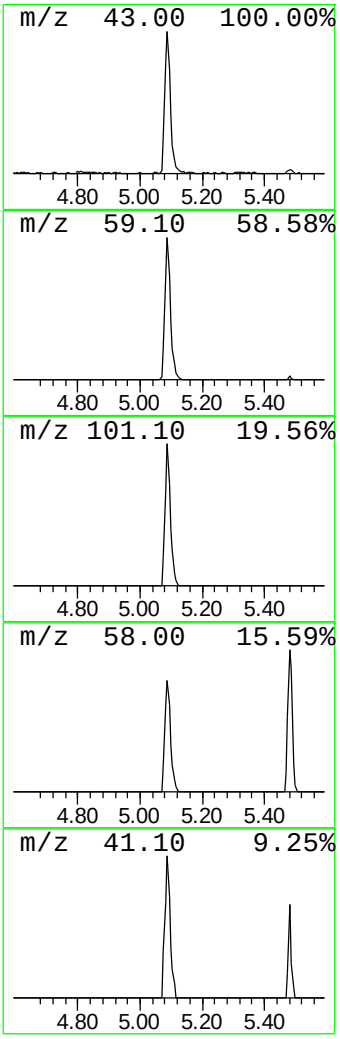
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	6.43 ng	142949	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane	58	C4H10	000106-97-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

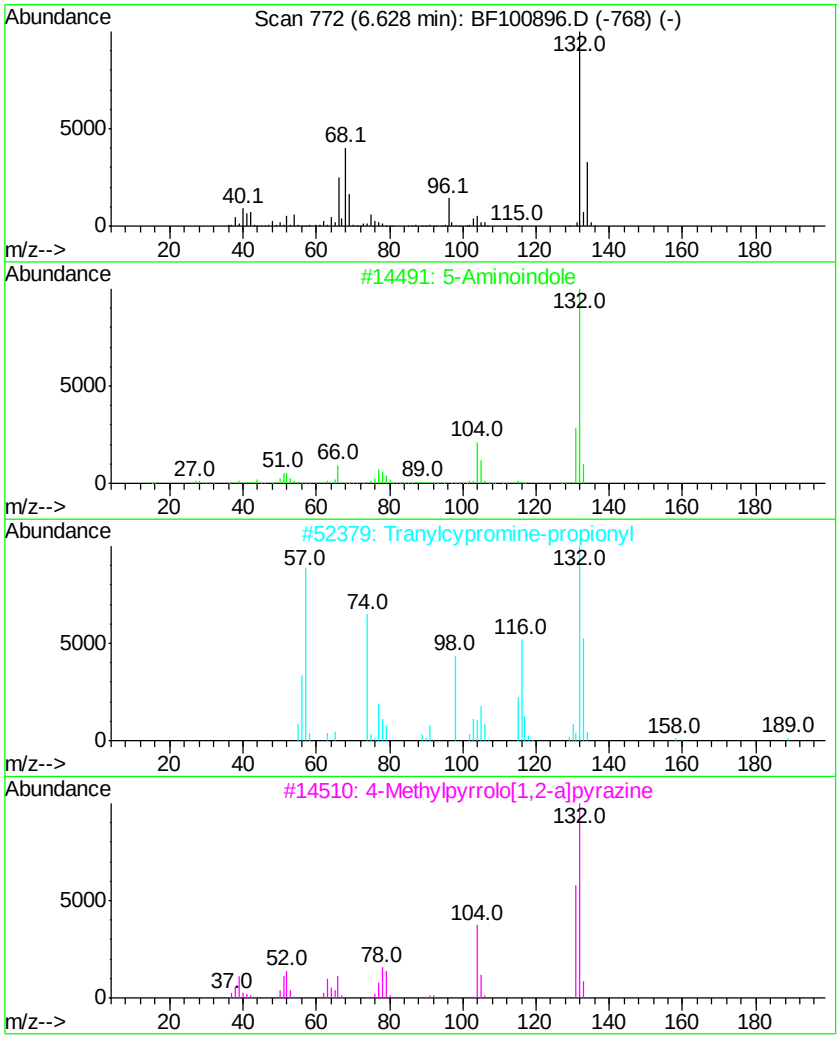
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

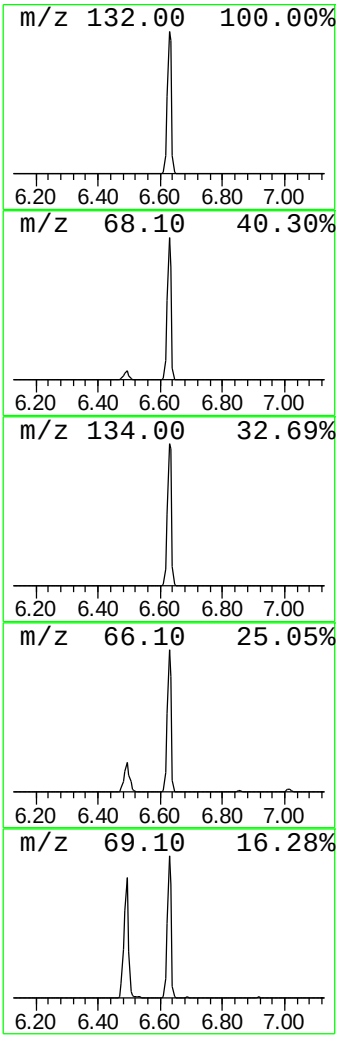
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	67.29 ng	1494790	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

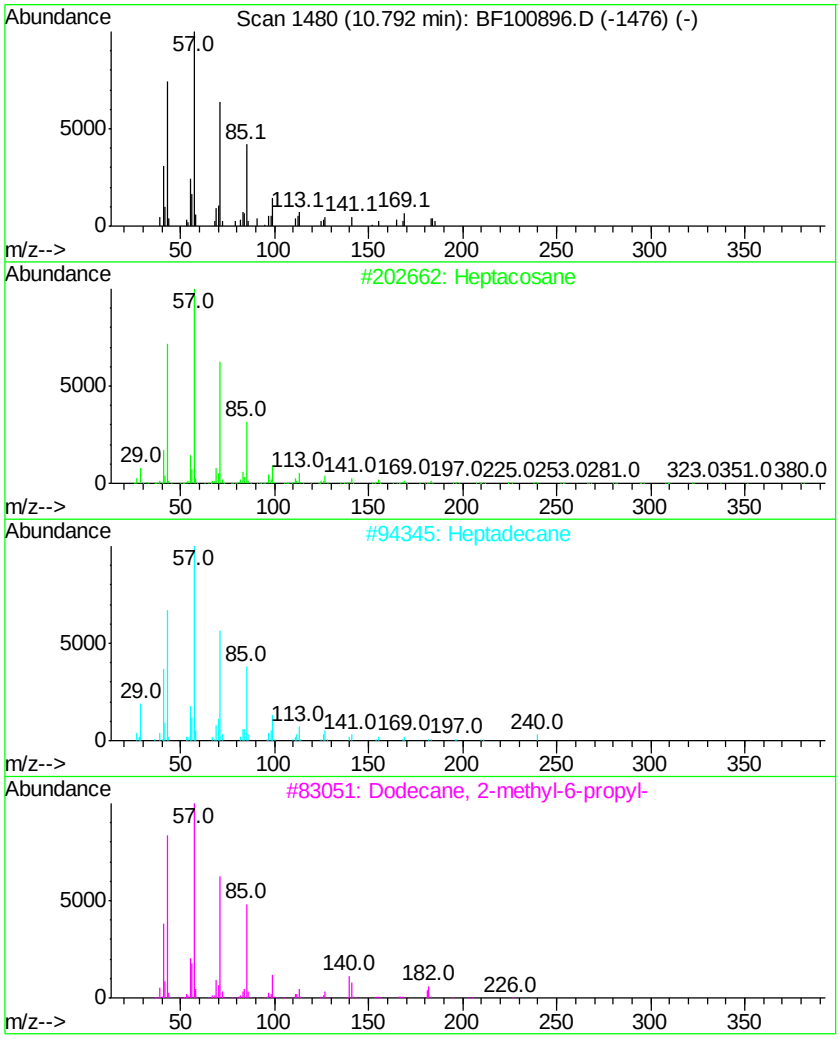
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

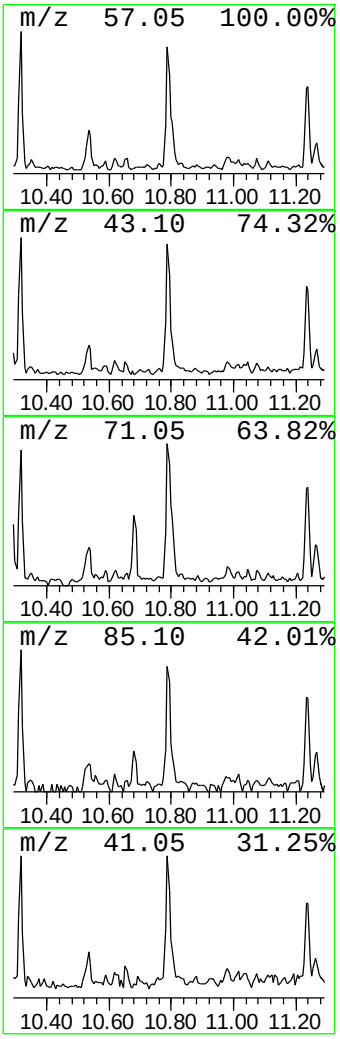
****

Peak Number 4 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	3.91 ng	117714	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Heptadecane	240	C17H36	000629-78-7	87
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Tridecane	184	C13H28	000629-50-5	86
5	Eicosane	282	C20H42	000112-95-8	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

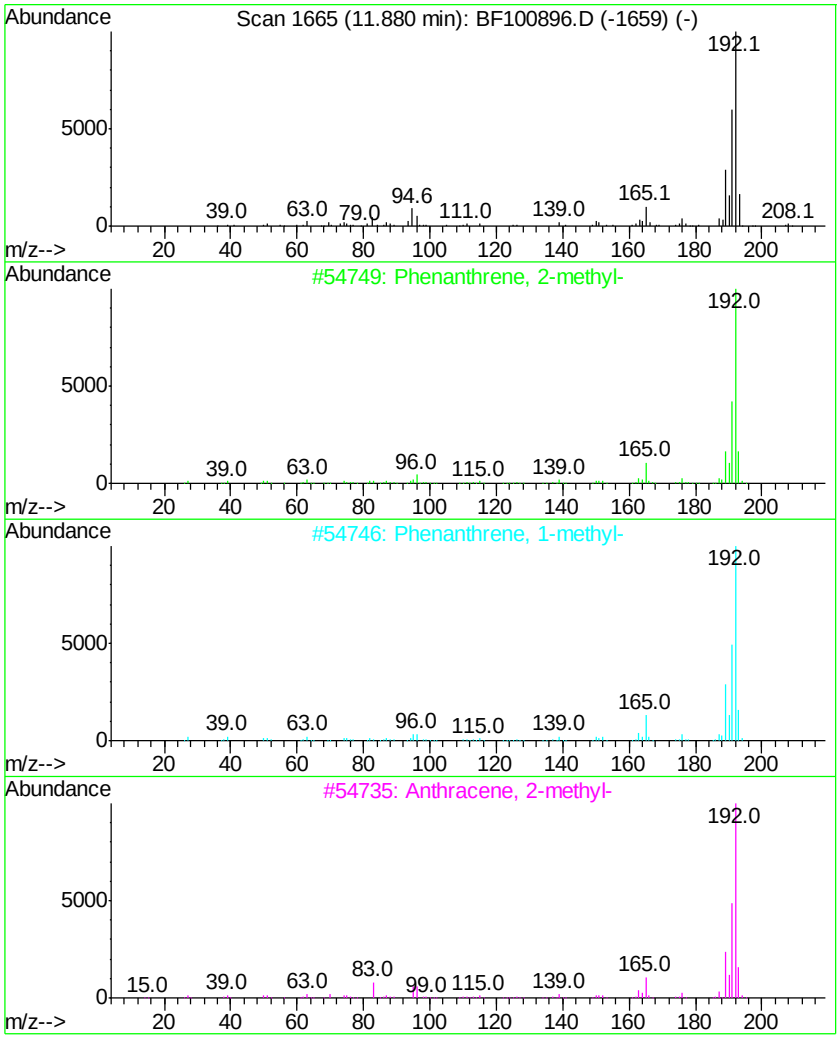
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

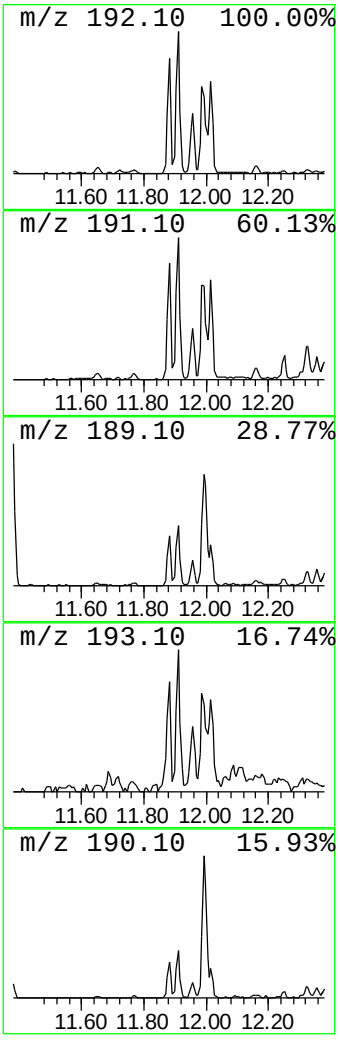
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.81 ng	144823	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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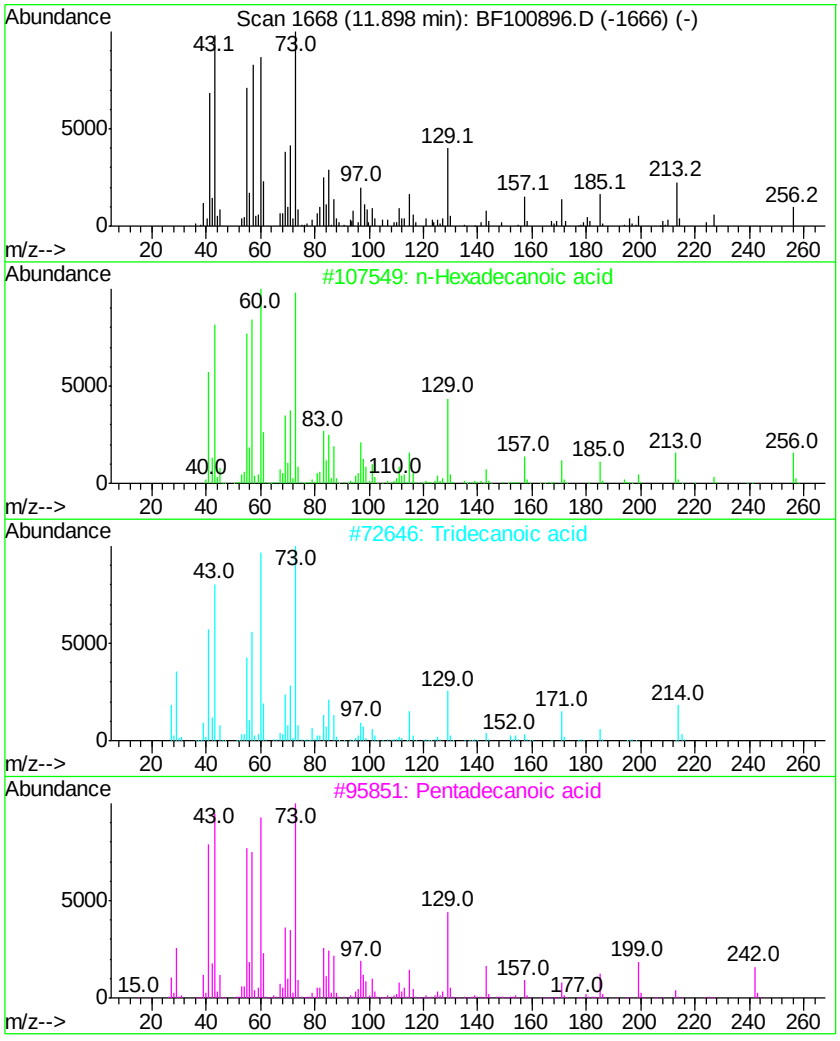
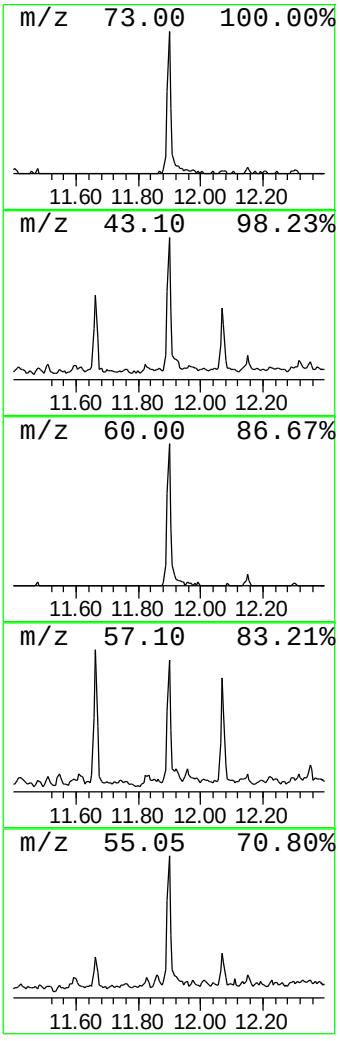
Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	11.50 ng	346295	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Undecanoic acid	186	C11H22O2	000112-37-8	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





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Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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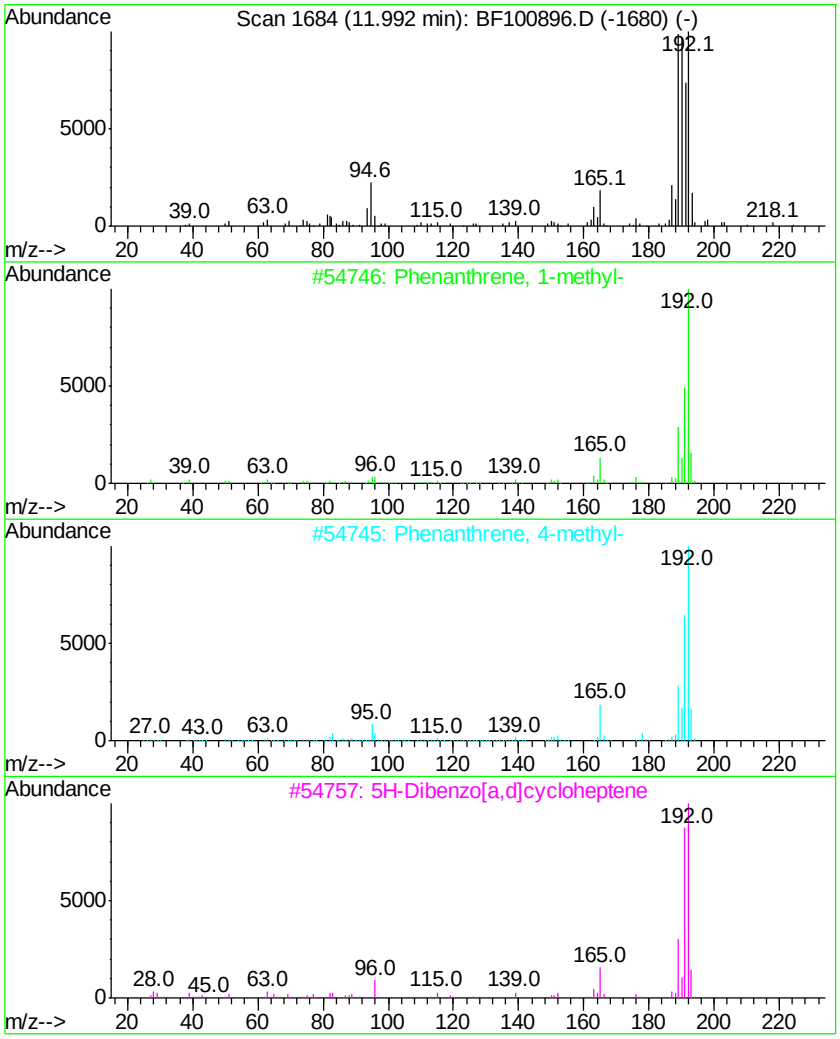
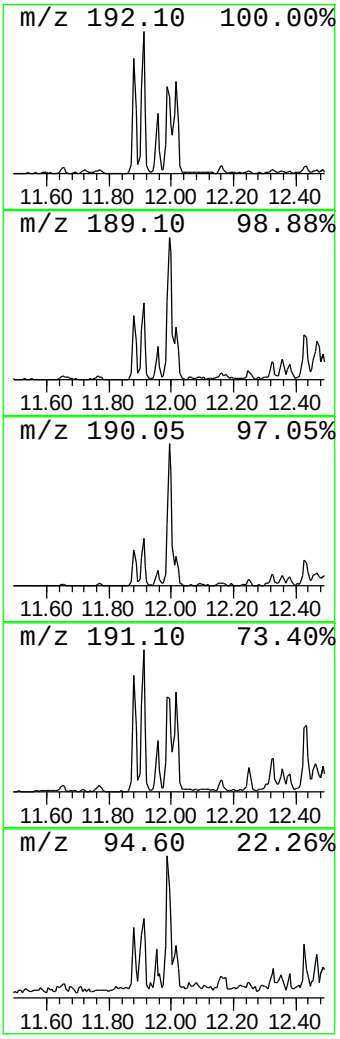
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.31 ng	220322	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	45





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Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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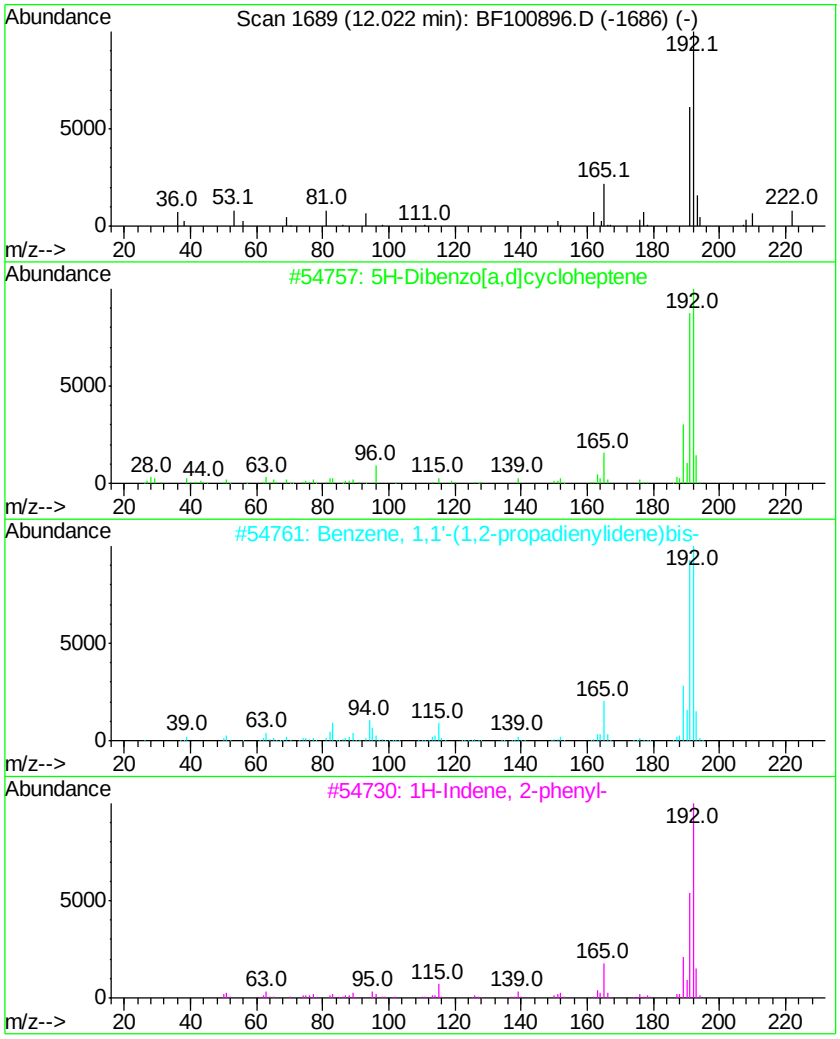
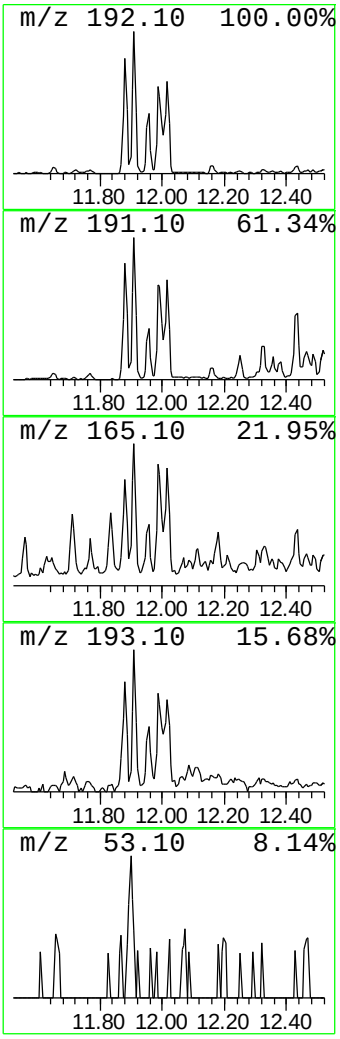
Peak Number 8 5H-Dibenzo[a,d]cycloheptene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.51 ng	105850	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80





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Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

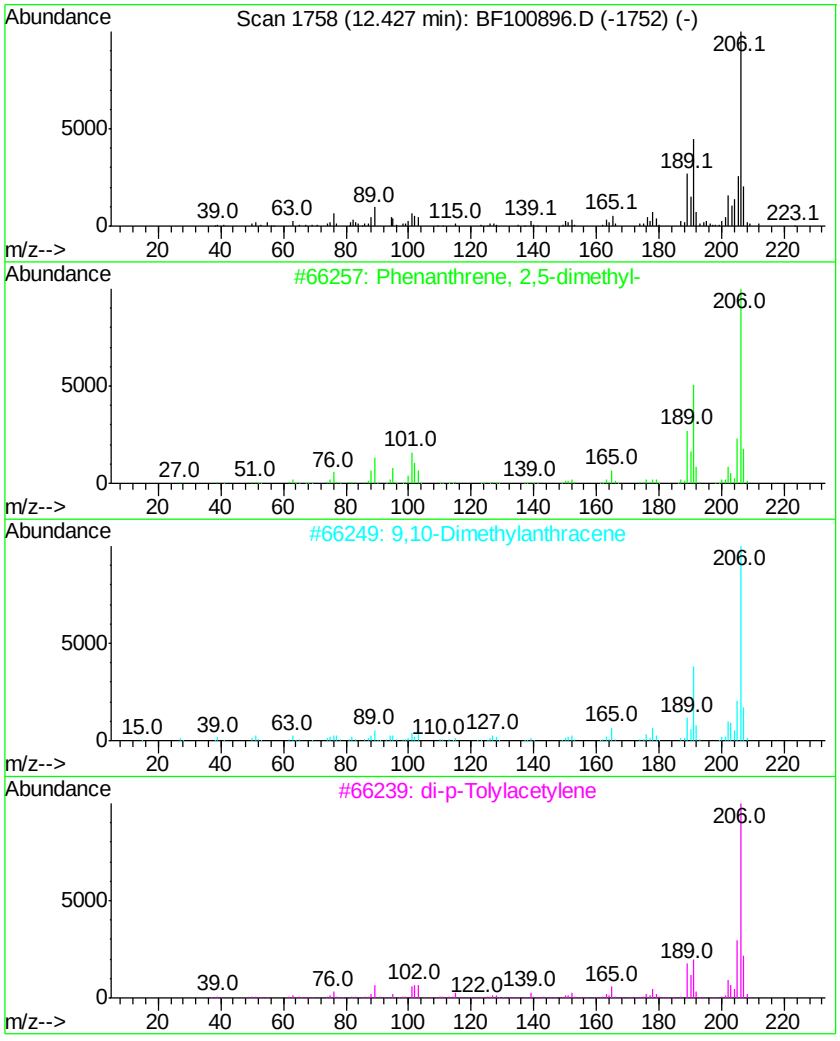
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

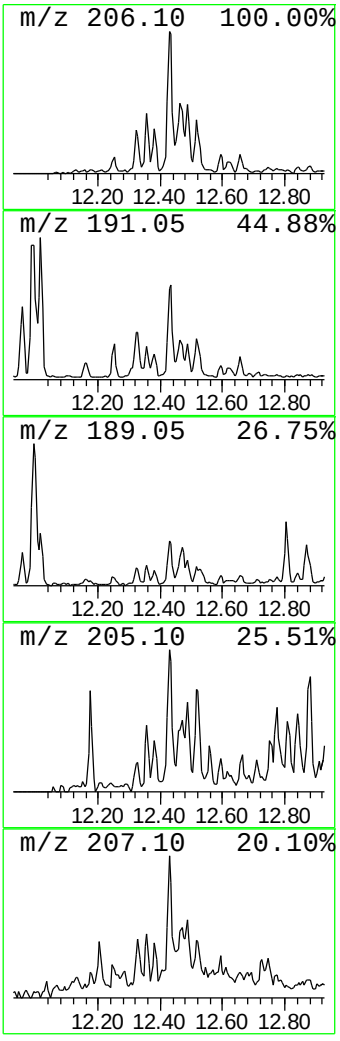
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	6.51 ng	196142	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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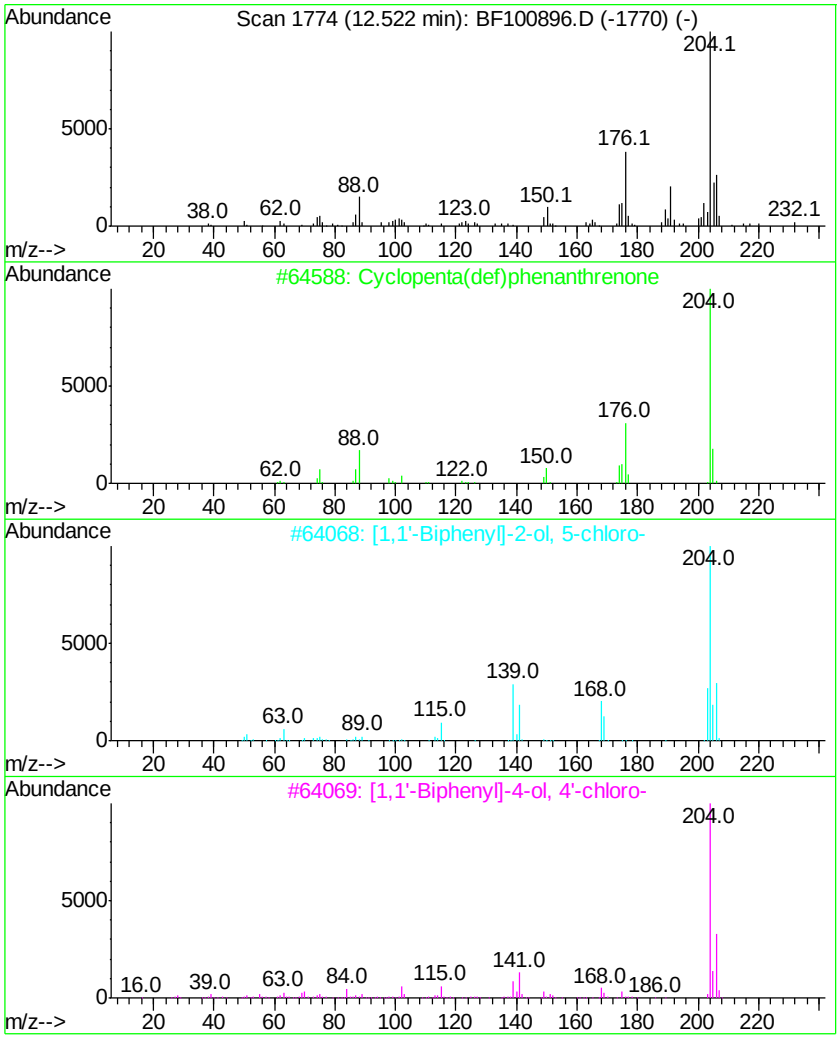
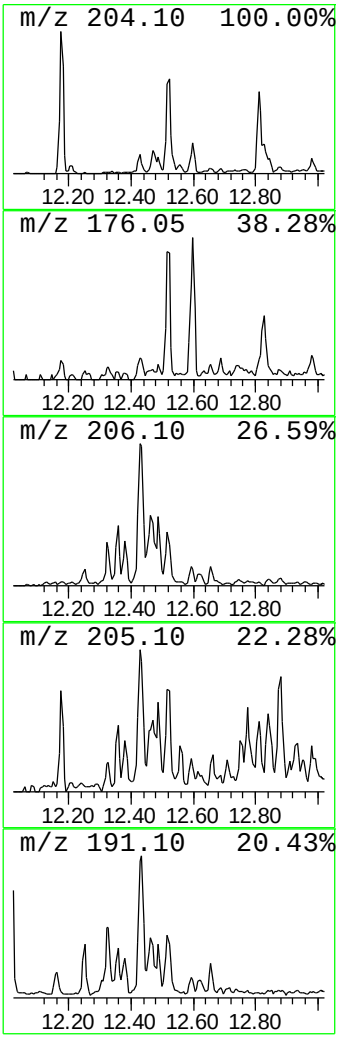
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.50 ng	135527	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100896.D
Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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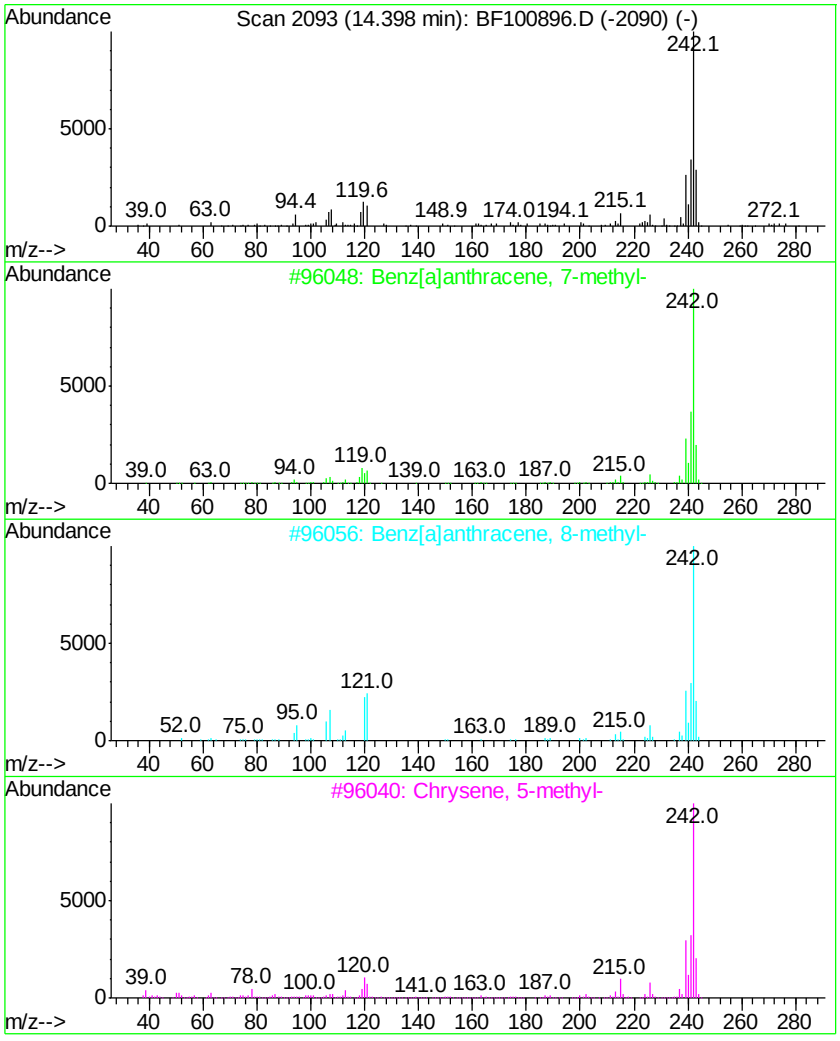
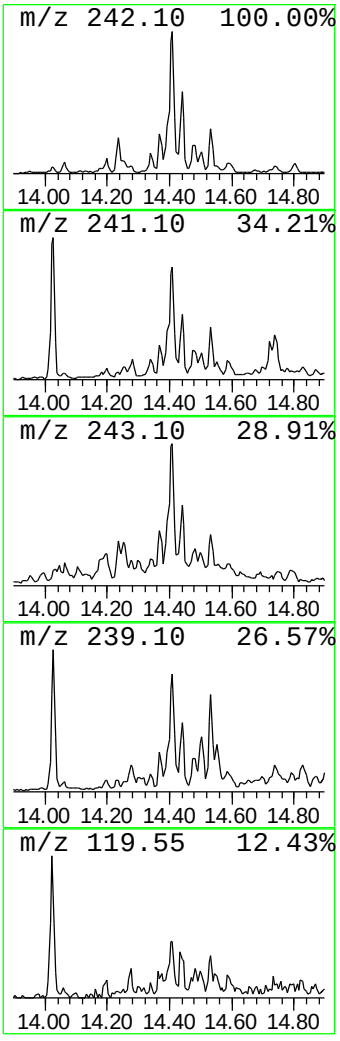
Peak Number 12 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.73 ng	268224	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	83





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Acq On : 27 Nov 2017 17:07
Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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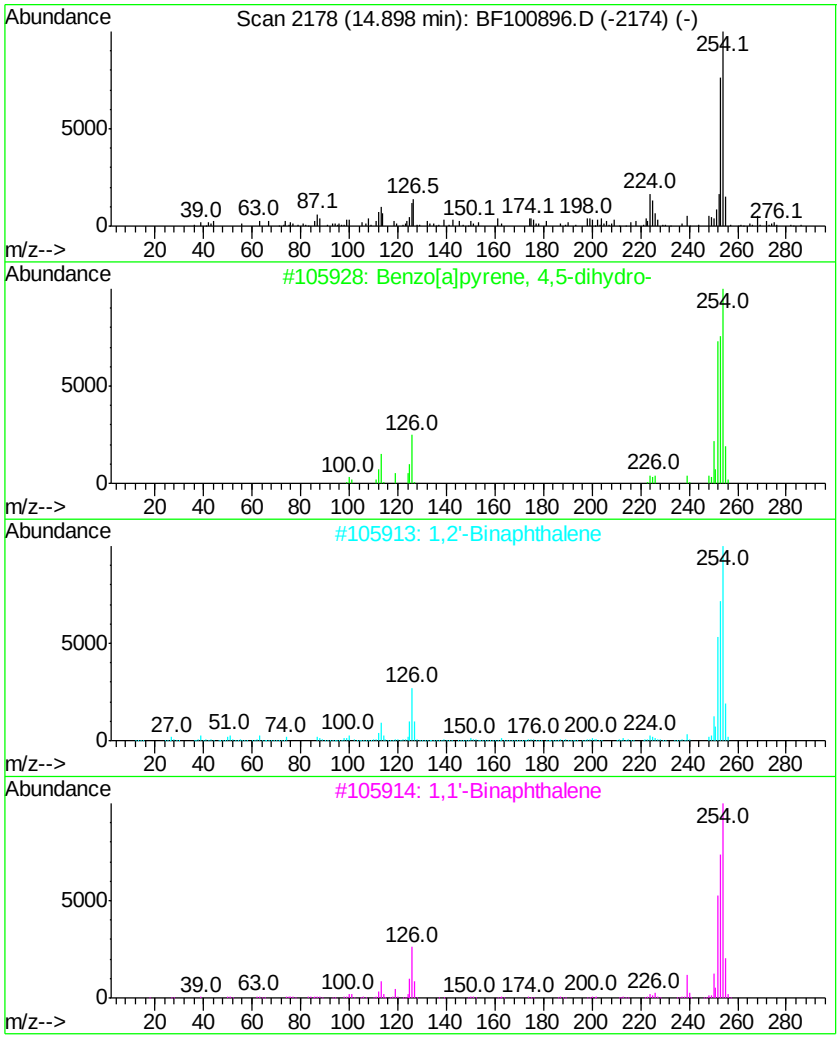
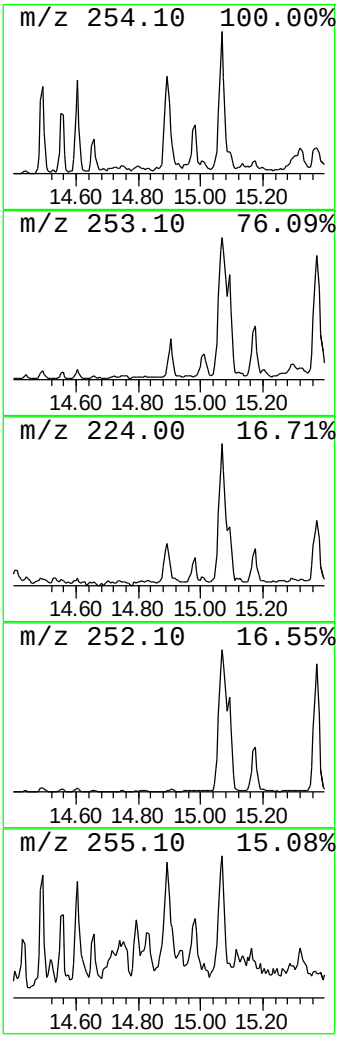
Peak Number 13 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	6.64 ng	174526	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	91
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	81
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	80
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	74
5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	72





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Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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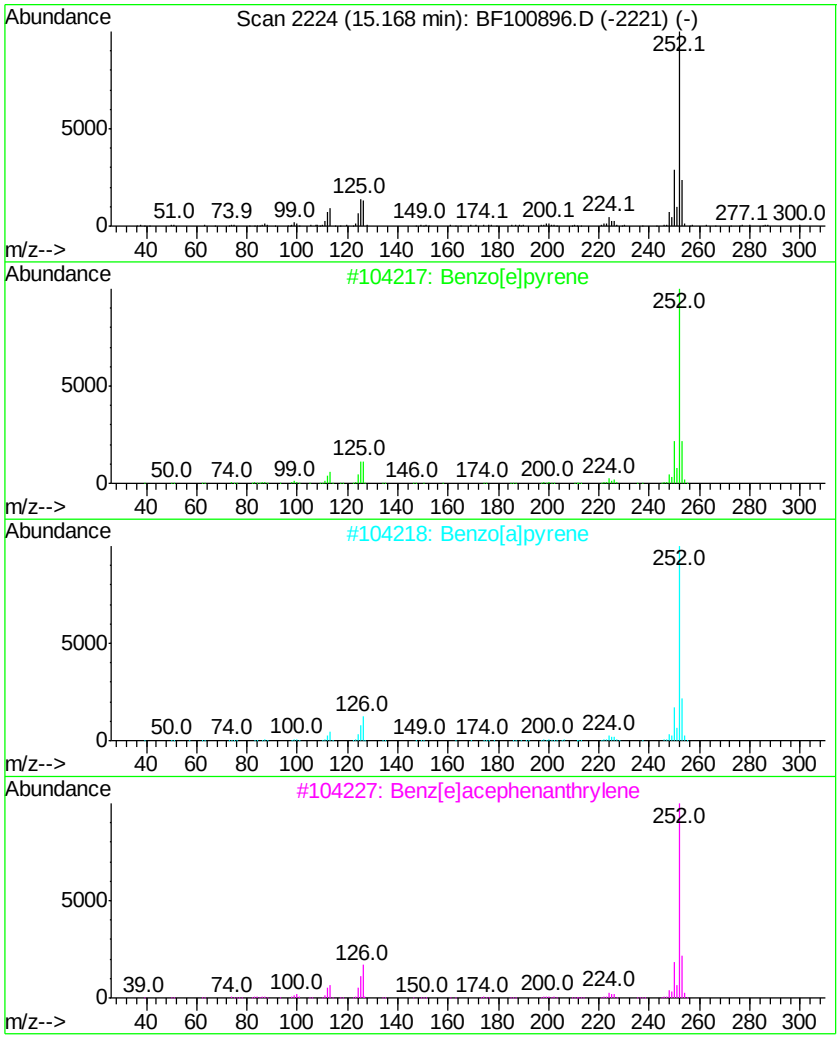
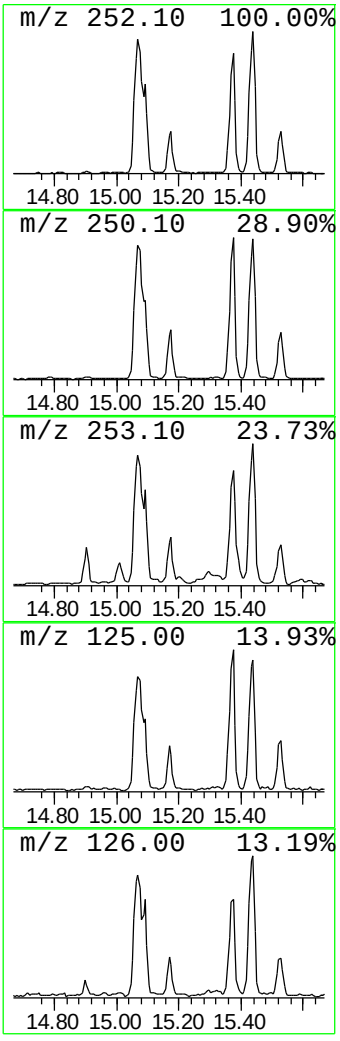
Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	7.82 ng	205652	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





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Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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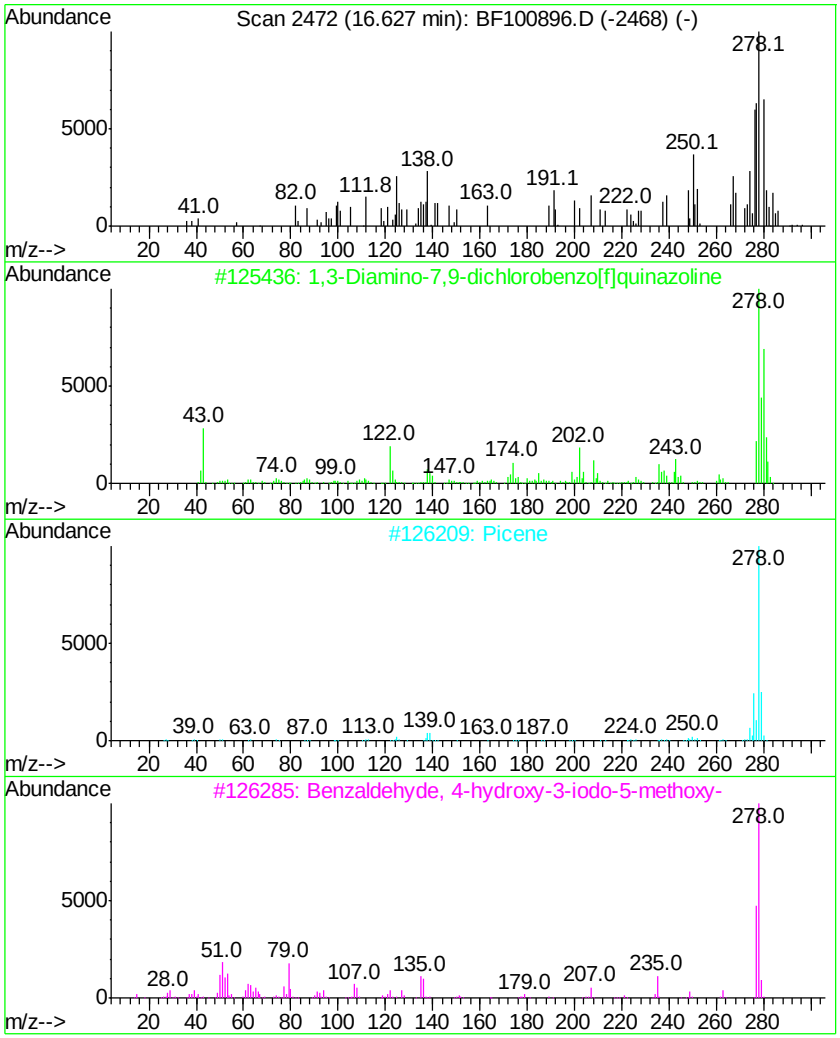
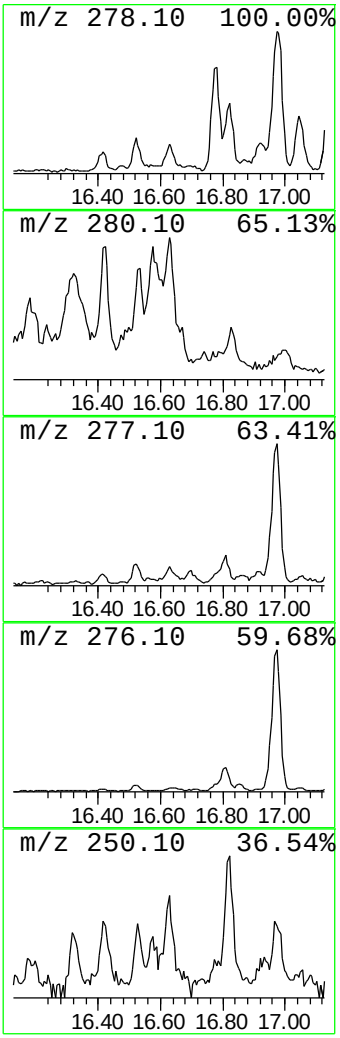
Peak Number 16 unknown16.63 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	5.23 ng	137373	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diamino-7,9-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-58-7	38
2	Picene	278	C22H14	000213-46-7	38
3	Benzaldehyde, 4-hydroxy-3-iodo-5...	278	C8H7IO3	005438-36-8	30
4	1,2-Benzenedicarbonitrile, 4-(4-...	278	C16H10N2O3	1000337-88-7	27
5	1,4-Pentadien-3-one, 1-(1,3-benz...	278	C18H14O3	1000319-47-3	27





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Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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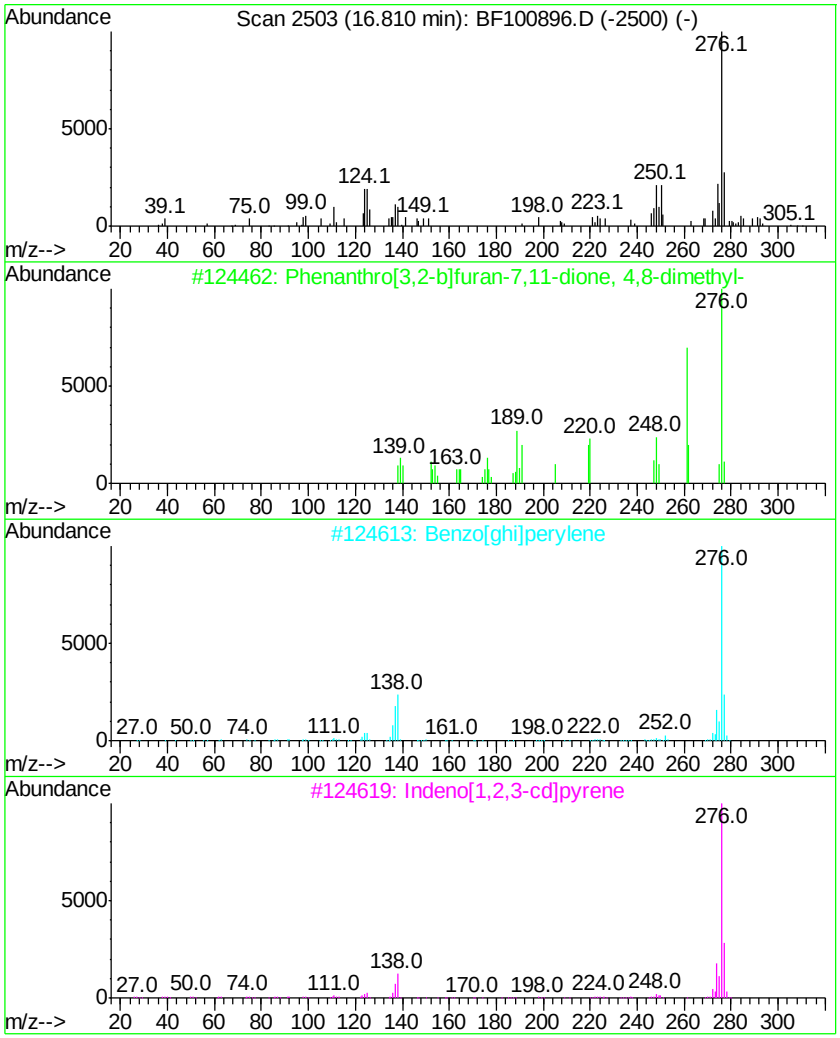
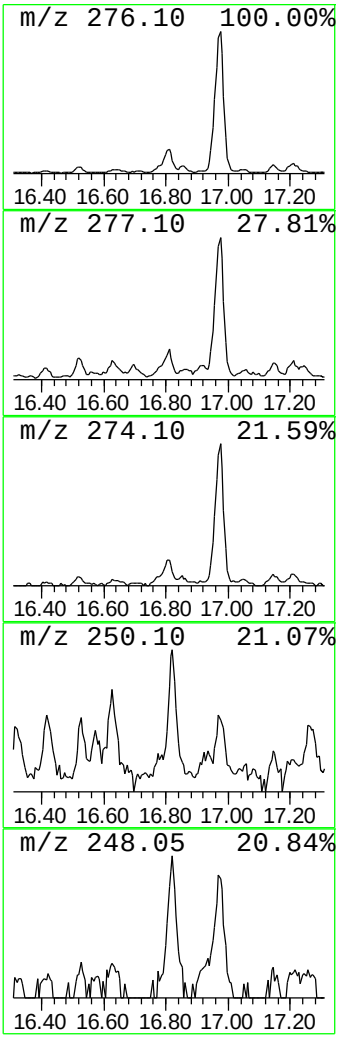
Peak Number 17 Phenanthro[3,2-b]furan-7,11... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	6.44 ng	169389	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,2-b]furan-7,11-dion...	276	C18H12O3	020958-17-2	58
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	53
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	49
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	47
5	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	47





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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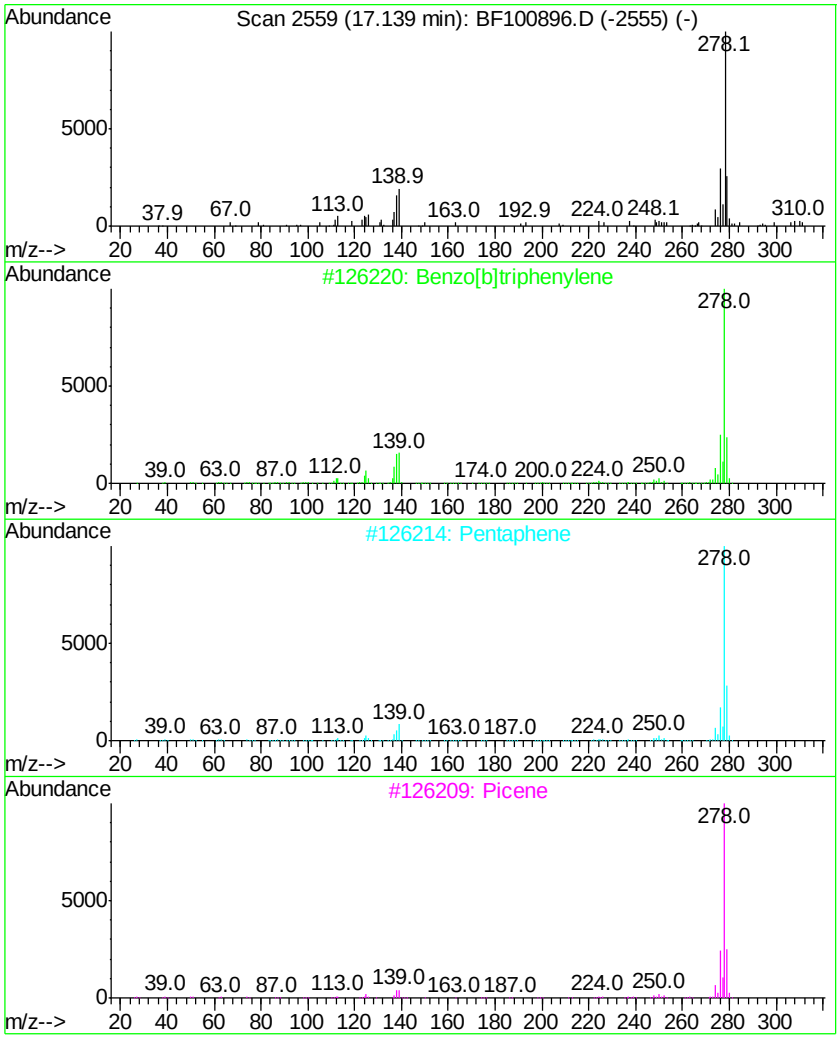
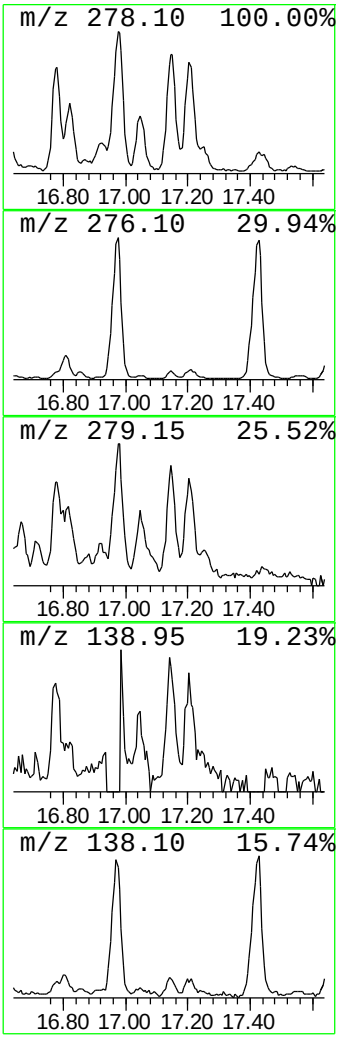
Peak Number 18 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	4.12 ng	108158	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Pentaphene	278	C22H14	000222-93-5	95
3	Picene	278	C22H14	000213-46-7	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
5	Benzo[b]chrysene	278	C22H14	000214-17-5	94





Tentatively Identified Compound (LSC) summary

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Data File : BF100896.D
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Operator : SJ/JU
Sample : I6548-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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...	5.09	6.4	ng	142949	1	6.86	444292	20.0
unknown6.63	6.63	67.3	ng	1494790	1	6.86	444292	20.0
Heptacosane	10.79	3.9	ng	117714	4	11.38	602484	20.0
Phenanthrene, 2-m...	11.88	4.8	ng	144823	4	11.38	602484	20.0
n-Hexadecanoic acid	11.90	11.5	ng	346295	4	11.38	602484	20.0
Phenanthrene, 1-m...	11.99	7.3	ng	220322	4	11.38	602484	20.0
5H-Dibenzo[a,d]cy...	12.02	3.5	ng	105850	4	11.38	602484	20.0
Phenanthrene, 2,5...	12.43	6.5	ng	196142	4	11.38	602484	20.0
Cyclopenta(def)ph...	12.52	4.5	ng	135527	4	11.38	602484	20.0
Benz[a]anthracene...	14.40	3.7	ng	268224	5	14.03	1437810	20.0
Benzo[a]pyrene, 4...	14.90	6.6	ng	174526	6	15.50	525648	20.0
Benzo[e]pyrene	15.17	7.8	ng	205652	6	15.50	525648	20.0
unknown16.63	16.63	5.2	ng	137373	6	15.50	525648	20.0
Phenanthro[3,2-b]...	16.81	6.4	ng	169389	6	15.50	525648	20.0
Benzo[b]triphenylene	17.14	4.1	ng	108158	6	15.50	525648	20.0