LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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_P\METHODS\8270-BP100119.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	3.169	178	184	200	rBV	67312	126035	2.60%	0.154%
2	5.381	556	560	581	rVB	3760189	3685466	76.04%	4.498%
3	5.598	590	597	606	rVB2	46924	77745	1.60%	0.095%
4	6.398	729	733	750	rBV	3671289	3919458	80.86%	4.783%
5	6.528	750	755	758	rBV	4050627	3961208	81.73%	4.834%
6	6.575	760	763	765	rBV2	52725	58857	1.21%	0.072%
7	6.745	789	792	796	rBV	1468989	1278606	26.38%	1.560%
8	6.904	815	819	823	rBV	4092467	3517984	72.58%	4.293%
9	7.010	834	837	844	rVB2	40389	62547	1.29%	0.076%
10	7.310	881	888	891	rBV	2742553	2427343	50.08%	2.962%
11	7.910	986	990	999	rBV2	159722	216128	4.46%	0.264%
12	8.034	1007	1011	1013	rBV	1727035	1597820	32.97%	1.950%
13	8.051	1013	1014	1018	rVV	369467	248358	5.12%	0.303%
14	8.116	1021	1025	1031	rVB2	144643	159784	3.30%	0.195%
15	8.634	1110	1113	1118	rVB2	64351	69751	1.44%	0.085%
16	8.751	1129	1133	1140	rVB	272184	250951	5.18%	0.306%
17	8.810	1140	1143	1147	rBV	116247	138543	2.86%	0.169%
18	8.845	1147	1149	1153	rVB	181442	158246	3.26%	0.193%
19	9.116	1190	1195	1198	rBV	5753632	4846975	100.00%	5.915%
20	9.216	1204	1212	1215	rBV2	87042	133664	2.76%	0.163%
21	9.381	1236	1240	1244	rBV2	64349	87194	1.80%	0.106%
22	9.451	1249	1252	1255	rVV	116250	140445	2.90%	0.171%
23	9.481	1255	1257	1259	rVV	94939	80711	1.67%	0.098%
24	9.510	1259	1262	1270	rVV	821147	705220	14.55%	0.861%
25	9.569	1270	1272	1278	rVV	54884	67360	1.39%	0.082%
26	9.657	1281	1287	1291	rBV	198665	175235	3.62%	0.214%
27	9.798	1304	1311	1314	rBV	1839553	1745466	36.01%	2.130%
28	9.828	1314	1316	1320	rVB2	140392	124386	2.57%	0.152%
29	9.957	1333	1338	1342	rBV6	29382	58426	1.21%	0.071%
30	10.004	1342	1346	1349	rVV	108215	102740	2.12%	0.125%
31	10.210	1377	1381	1383	rBV4	56468	66403	1.37%	0.081%
32	10.345	1401	1404	1411	rBV2	146654	159480	3.29%	0.195%
33	10.510	1429	1432	1435	rBV2	75537	82550	1.70%	0.101%
34	10.592	1442	1446	1452	rBV	3186674	2827430	58.33%	3.451%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
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Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.645	1453	1455	1459	rVB2	72413	68743	1.42%	0.084%
36	10.716	1464	1467	1472	rBV2	109676	150619	3.11%	0.184%
37	10.839	1485	1488	1491	rBV	166163	162569	3.35%	0.198%
38	11.098	1530	1532	1536	rBV	170804	144186	2.97%	0.176%
39	11.163	1537	1543	1545	rBV4	103256	194641	4.02%	0.238%
40	11.192	1545	1548	1551	rVB	135977	141984	2.93%	0.173%
41	11.292	1562	1565	1567	rBV	1747202	1609463	33.21%	1.964%
42	11.322	1567	1570	1573	rVV	2398823	2072518	42.76%	2.529%
43	11.369	1573	1578	1582	rVB	456107	406567	8.39%	0.496%
44	11.404	1582	1584	1587	rBV2	92464	98974	2.04%	0.121%
45	11.527	1602	1605	1608	rBV	193691	147899	3.05%	0.180%
46	11.598	1614	1617	1620	rVB2	115734	104041	2.15%	0.127%
47	11.633	1620	1623	1626	rBV2	122966	118933	2.45%	0.145%
48	11.804	1649	1652	1654	rBV	314163	257499	5.31%	0.314%
49	11.833	1654	1657	1661	rVV	442206	464456	9.58%	0.567%
50	11.916	1667	1671	1673	rBV	528657	528133	10.90%	0.645%
51	11.939	1673	1675	1680	rVB	243953	201508	4.16%	0.246%
52	12.098	1700	1702	1705	rBV	260929	248057	5.12%	0.303%
53	12.127	1705	1707	1714	rVB2	376564	351581	7.25%	0.429%
54	12.286	1732	1734	1736	rBV	96294	75877	1.57%	0.093%
55	12.363	1744	1747	1749	rBV	224988	213944	4.41%	0.261%
56	12.445	1758	1761	1770	rVB2	237343	267093	5.51%	0.326%
57	12.527	1771	1775	1778	rVB	4610104	4104851	84.69%	5.010%
58	12.569	1780	1782	1784	rBV	84810	84209	1.74%	0.103%
59	12.757	1808	1814	1817	rBV	3954416	4228173	87.23%	5.160%
60	12.786	1817	1819	1821	rVV2	129548	109230	2.25%	0.133%
61	12.874	1832	1834	1835	rBV	198263	158587	3.27%	0.194%
62	12.904	1835	1839	1846	rVB	4816479	4439088	91.58%	5.417%
63	12.980	1847	1852	1855	rBV2	243785	406295	8.38%	0.496%
64	13.063	1864	1866	1868	rBV2	189935	225550	4.65%	0.275%
65	13.092	1868	1871	1874	rVB	457834	455269	9.39%	0.556%
66	13.157	1879	1882	1885	rVB	246079	202338	4.17%	0.247%
67	13.192	1885	1888	1891	rBV	367073	387051	7.99%	0.472%
68	13.286	1902	1904	1907	rVB	214181	192100	3.96%	0.234%
69	13.322	1907	1910	1913	rBV	234073	247603	5.11%	0.302%
70	13.604	1956	1958	1964	rVB	403744	384452	7.93%	0.469%
71	13.716	1974	1977	1980	rBV	569714	544176	11.23%	0.664%

LSC Area Percent Report

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Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.745	1980	1982	1984	rVV	339986	286286	5.91%	0.349%
73	13.769	1984	1986	1992	rVV3	368524	545223	11.25%	0.665%
74	13.816	1992	1994	2004	rVB4	440337	787926	16.26%	0.962%
75	13.969	2015	2020	2023	rBV2	2641801	4008395	82.70%	4.892%
76	14.004	2023	2026	2028	rVB	2123269	1948864	40.21%	2.378%
77	14.080	2037	2039	2042	rVB	334123	238179	4.91%	0.291%
78	14.204	2056	2060	2063	rVB2	221156	288083	5.94%	0.352%
79	14.368	2085	2088	2090	rVB	317003	279063	5.76%	0.341%
80	14.404	2091	2094	2097	rVB2	204975	245274	5.06%	0.299%
81	14.492	2107	2109	2111	rBV	256645	251095	5.18%	0.306%
82	15.033	2196	2201	2203	rBV	2433725	3491979	72.04%	4.262%
83	15.133	2216	2218	2222	rVB	374907	353137	7.29%	0.431%
84	15.333	2247	2252	2258	rVB	1544198	2046366	42.22%	2.497%
85	15.398	2258	2263	2268	rBV	1964007	2437299	50.28%	2.974%
86	15.457	2269	2273	2276	rVV	1337945	1697496	35.02%	2.072%
87	15.486	2276	2278	2286	rVB	641543	787906	16.26%	0.962%
88	16.933	2518	2524	2533	rVB2	1050790	2091011	43.14%	2.552%
89	17.110	2549	2554	2558	rBV	137489	250726	5.17%	0.306%
90	17.162	2559	2563	2569	rVV2	163843	304332	6.28%	0.371%
91	17.380	2593	2600	2610	rVB	855063	1780427	36.73%	2.173%
92	17.615	2635	2640	2646	rBV	137738	264787	5.46%	0.323%

Sum of corrected areas: 81940626

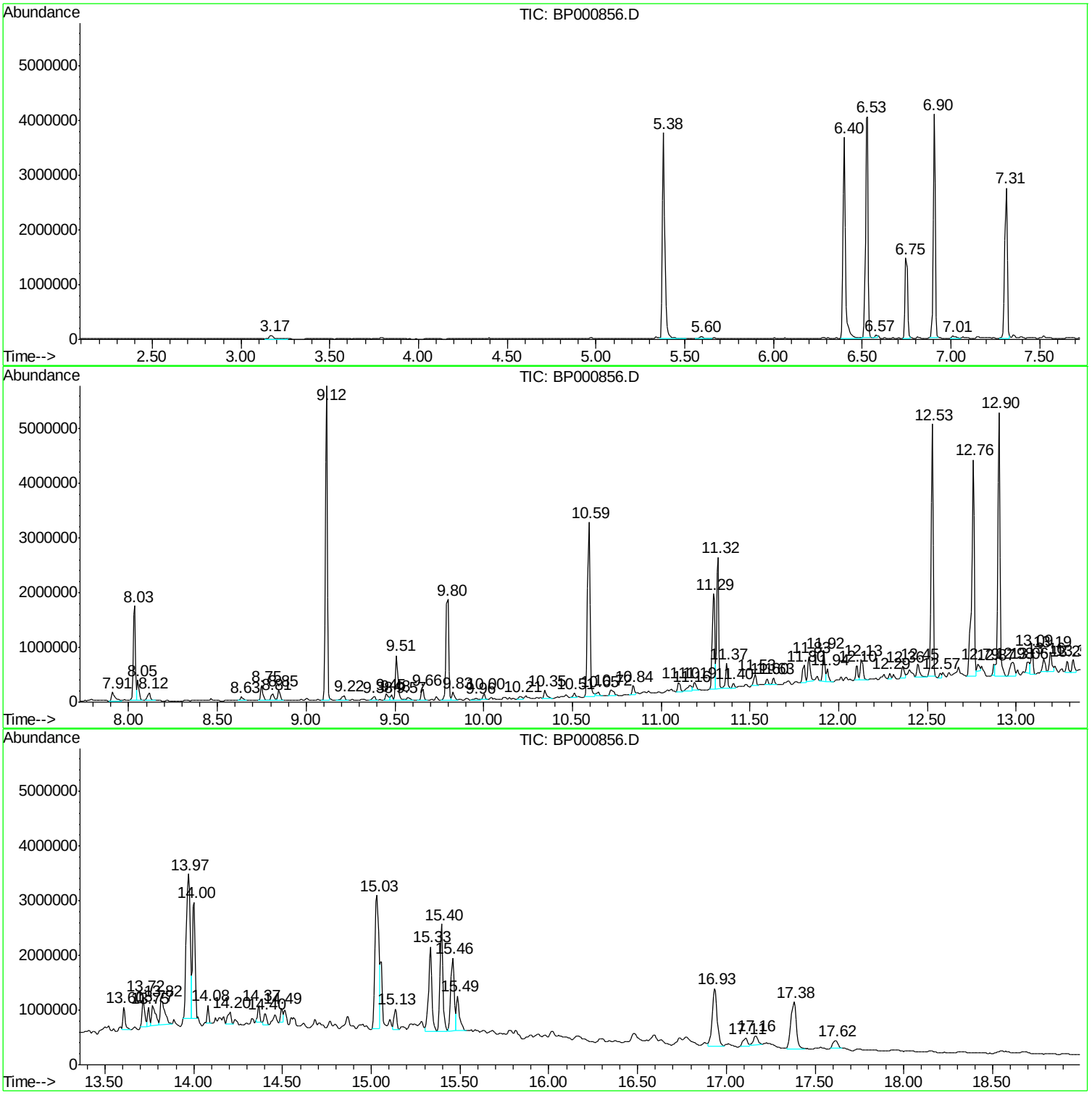
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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 P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

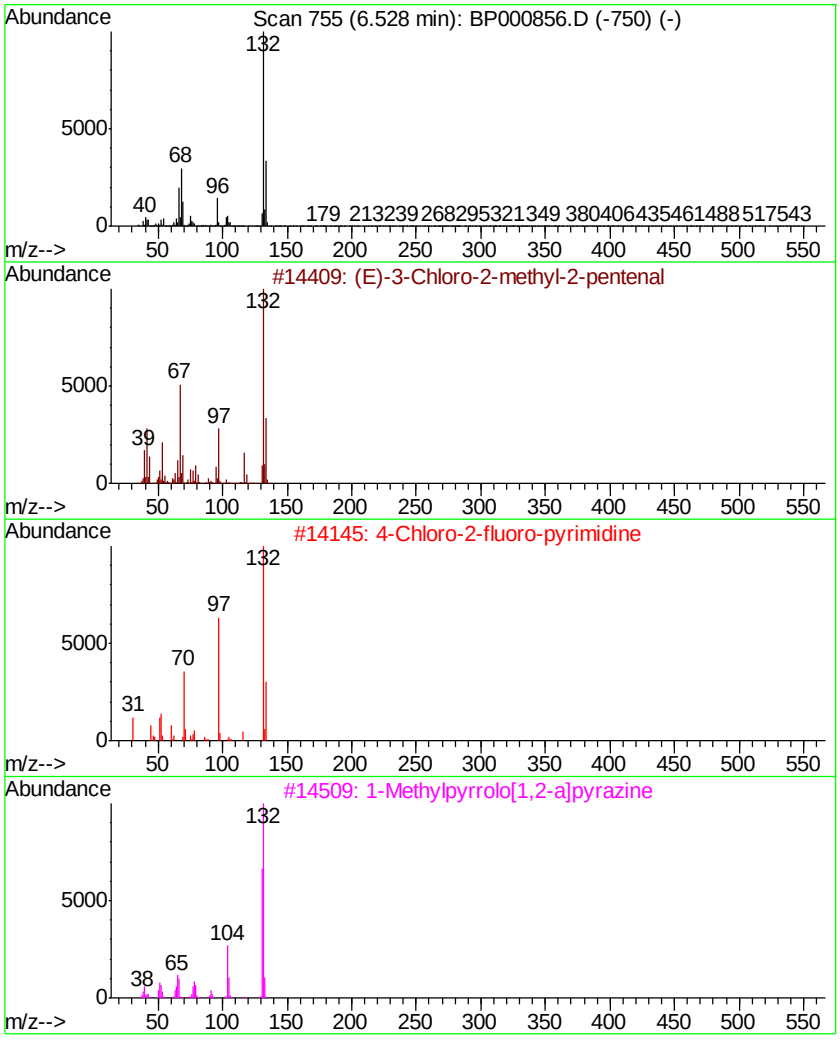
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

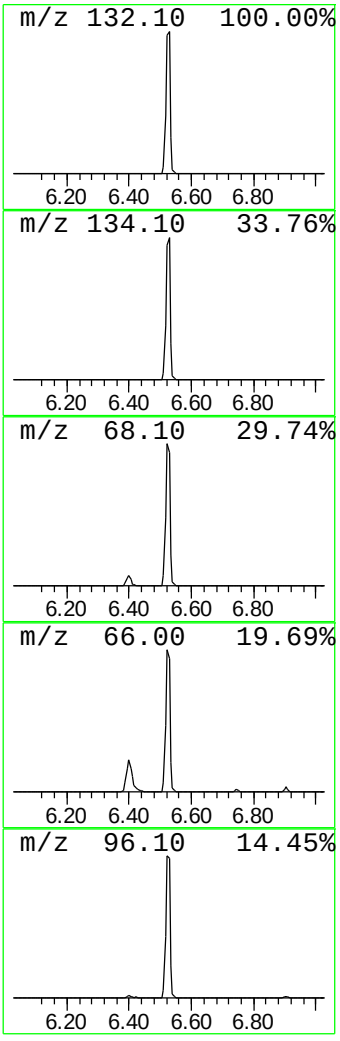
****

Peak Number 1 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	61.96 ng	3961210	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

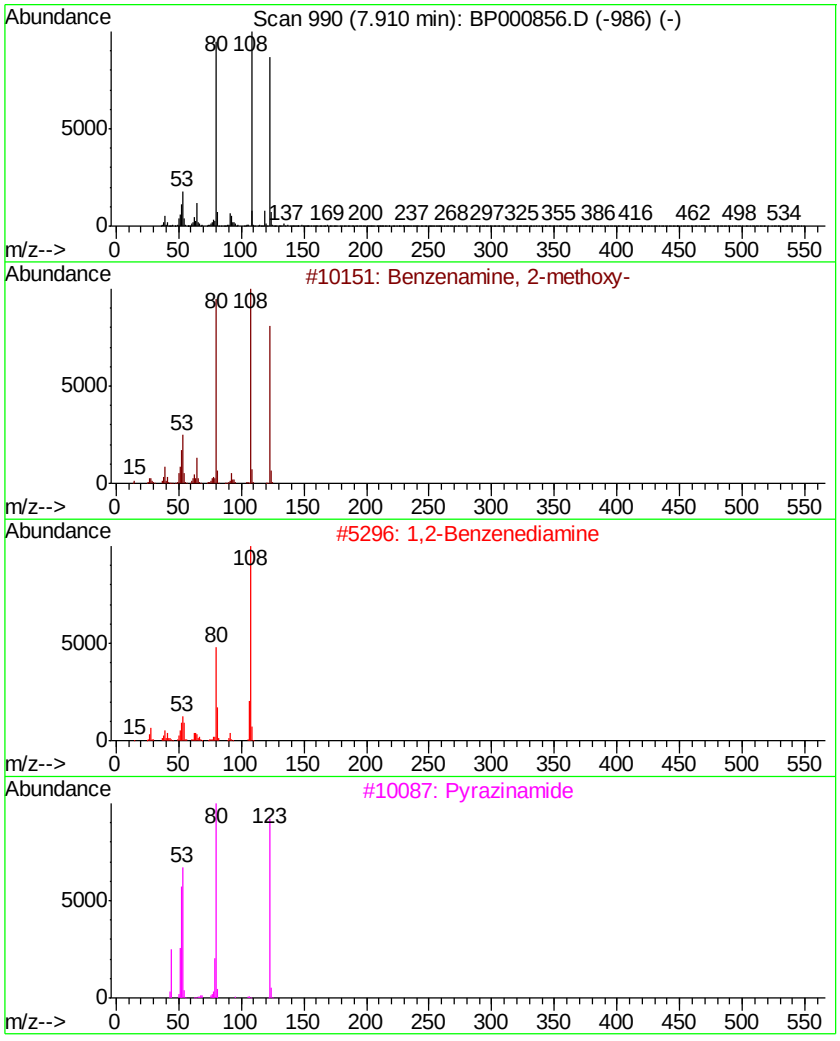
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

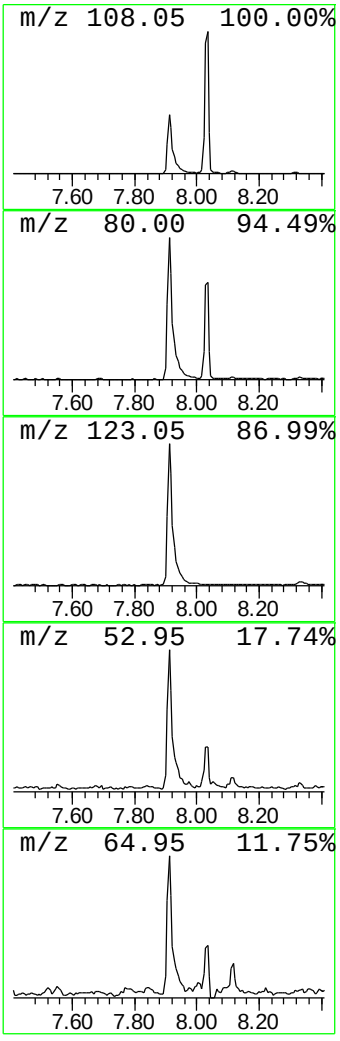
****

Peak Number 3 Benzenamine, 2-methoxy- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	2.71 ng	216128	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	95
2	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72
3	Pyrazinamide	123	C5H5N3O	000098-96-4	72
4	Benzenamine, 2-ethoxy-	137	C8H11NO	000094-70-2	64
5	1,4-Benzenediamine	108	C6H8N2	000106-50-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

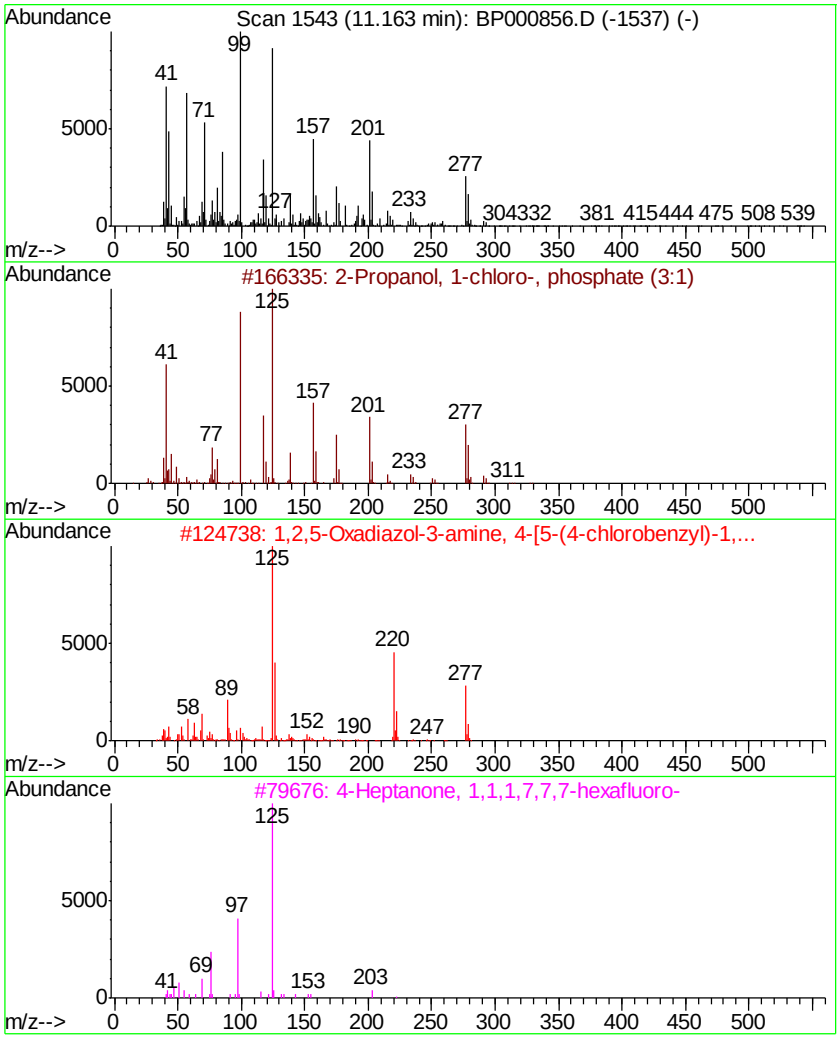
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

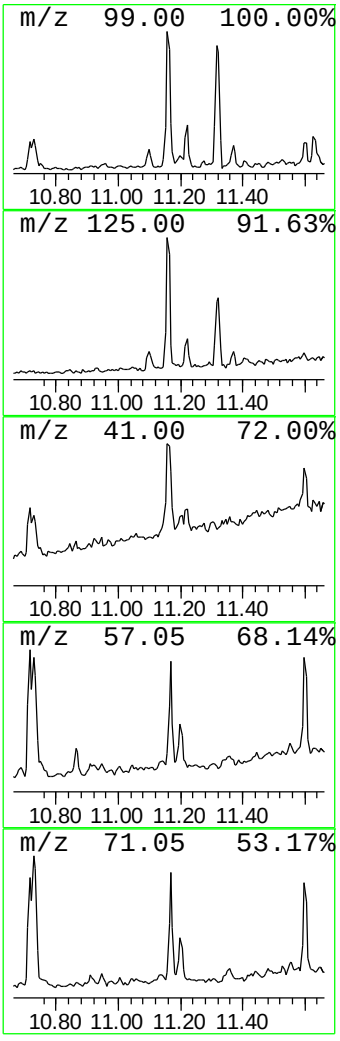
****

Peak Number 4 2-Propanol, 1-chloro-, phos... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	2.42 ng	194641	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	72
2	1,2,5-Oxadiazol-3-amine, 4-[5-(4...	277	C11H8ClN5O2	1000276-59-0	18
3	4-Heptanone, 1,1,1,7,7,7-hexaflu...	222	C7H8F6O	000332-86-5	11
4	1-Oxa-3-azaspiro[4.5]decan-2-one...	267	C15H25NO3	341941-91-1	11
5	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
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Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

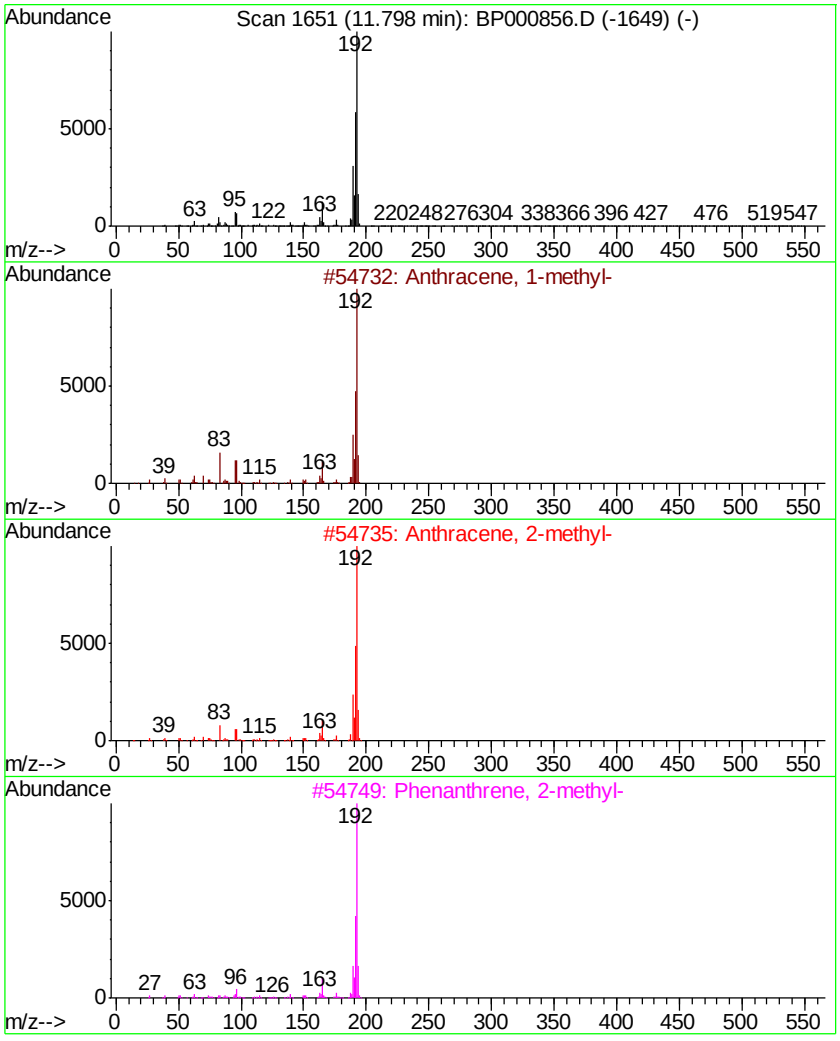
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

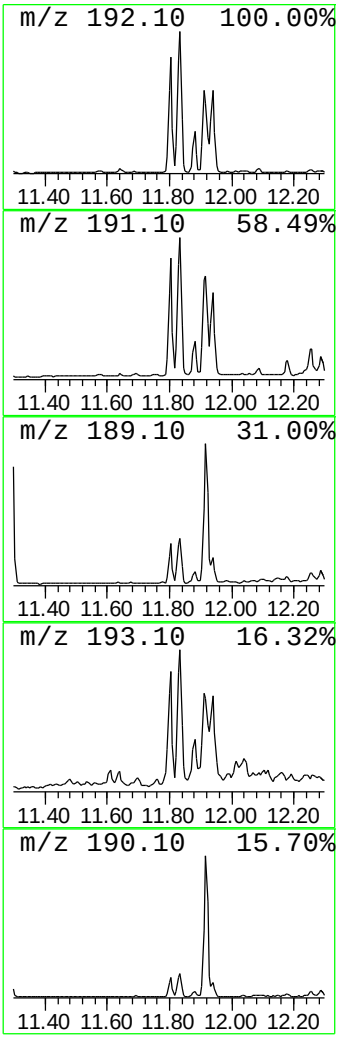
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	3.20 ng	257499	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

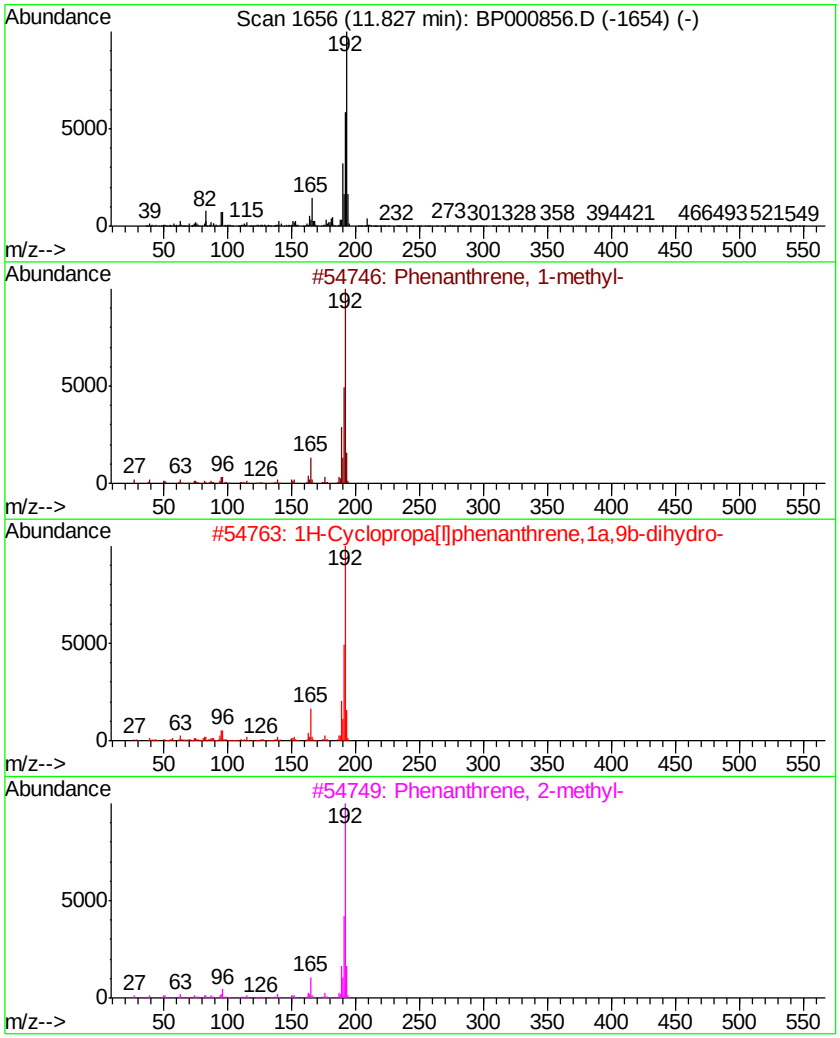
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

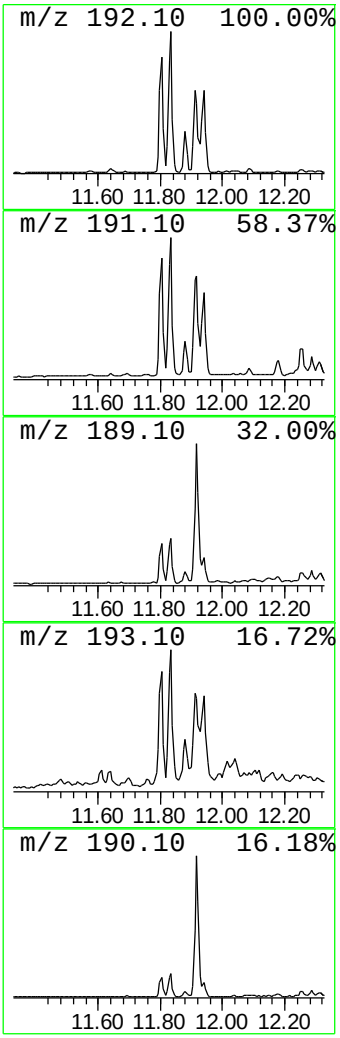
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.77 ng	464456	Phenanthrene-d10	11.29

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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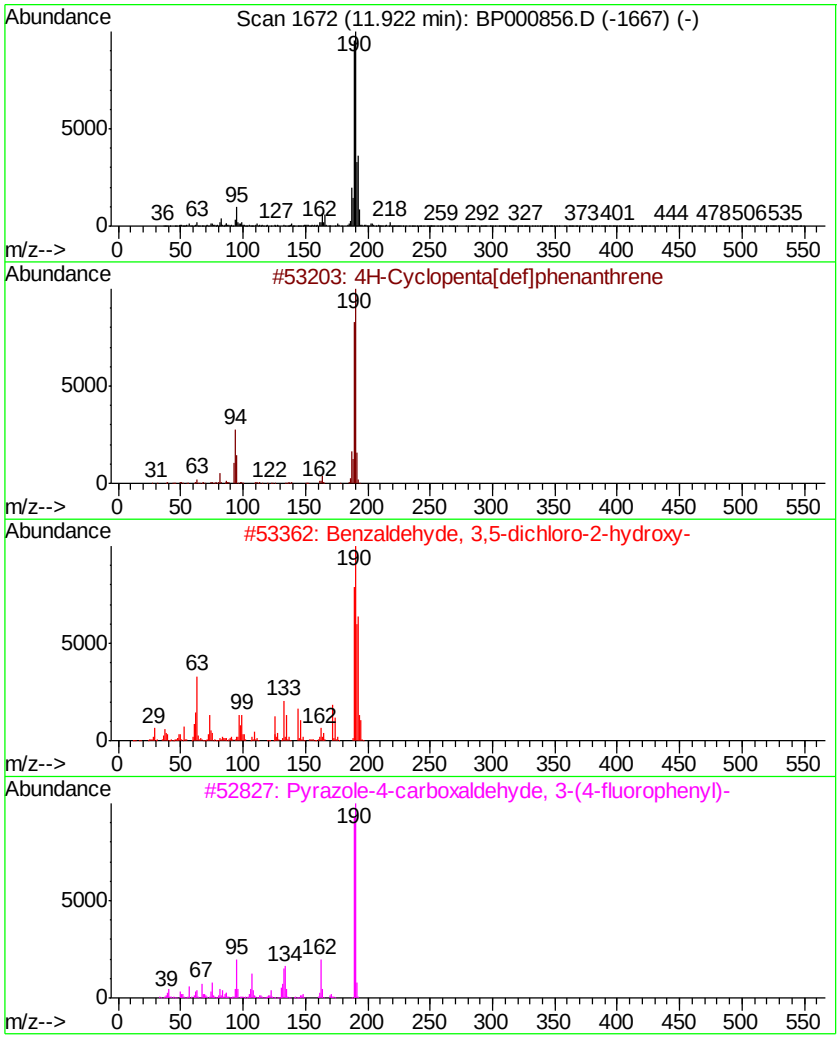
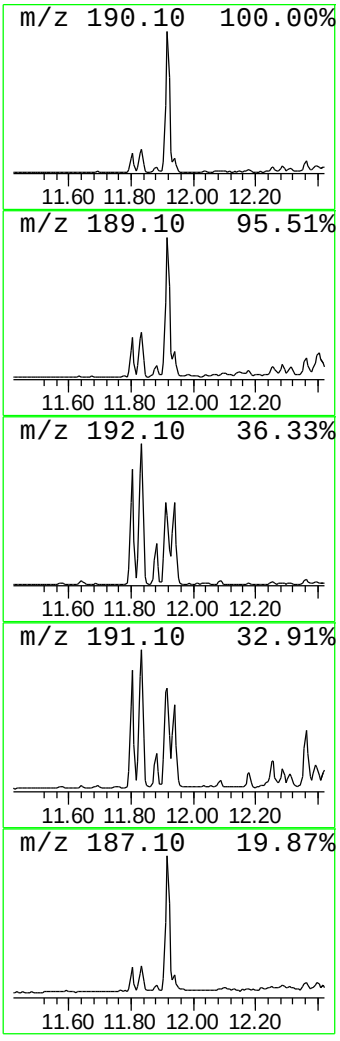
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	6.56 ng	528133	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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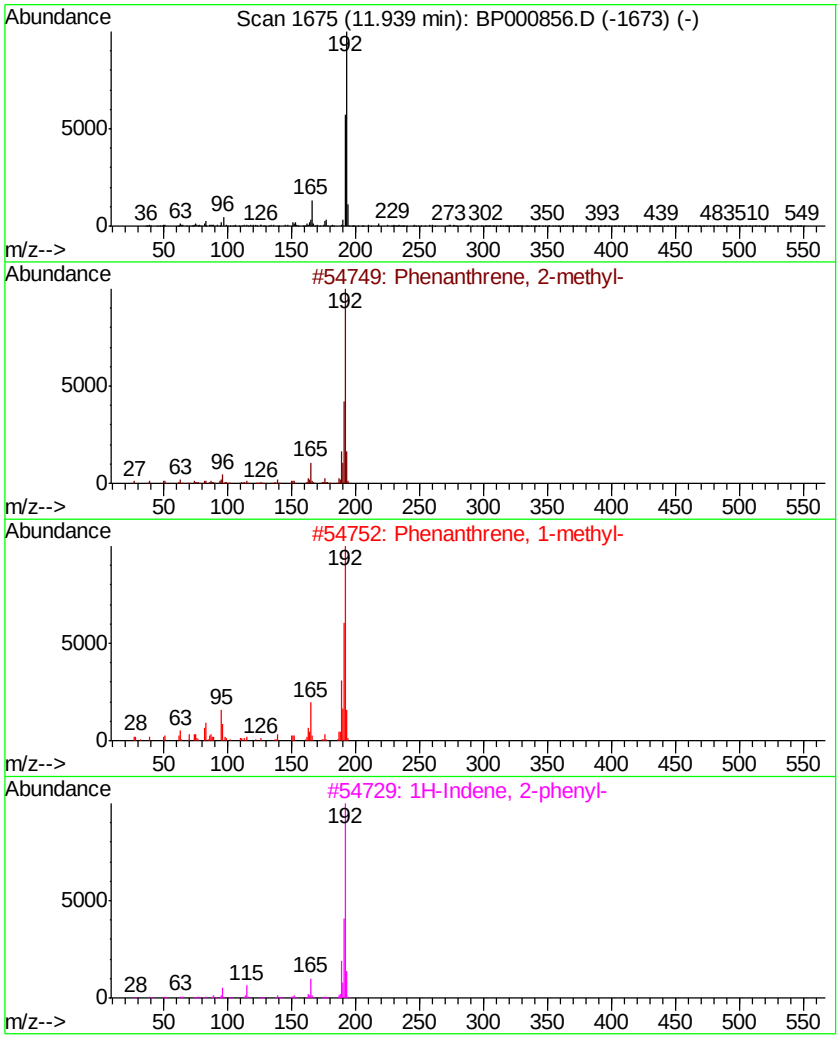
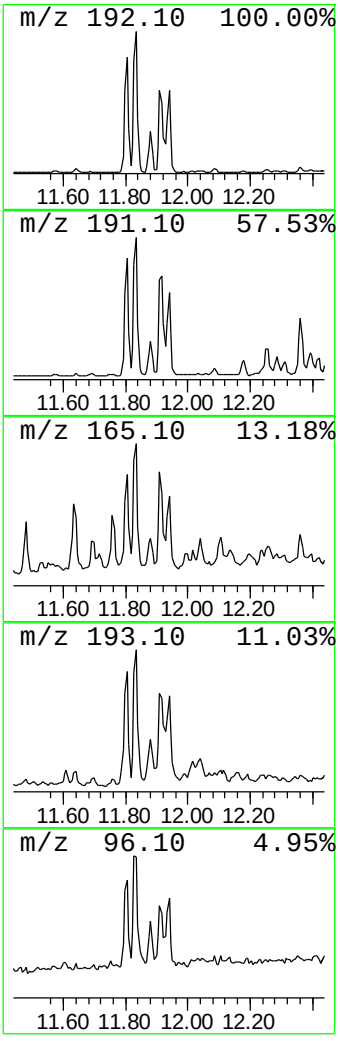
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.50 ng	201508	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72





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Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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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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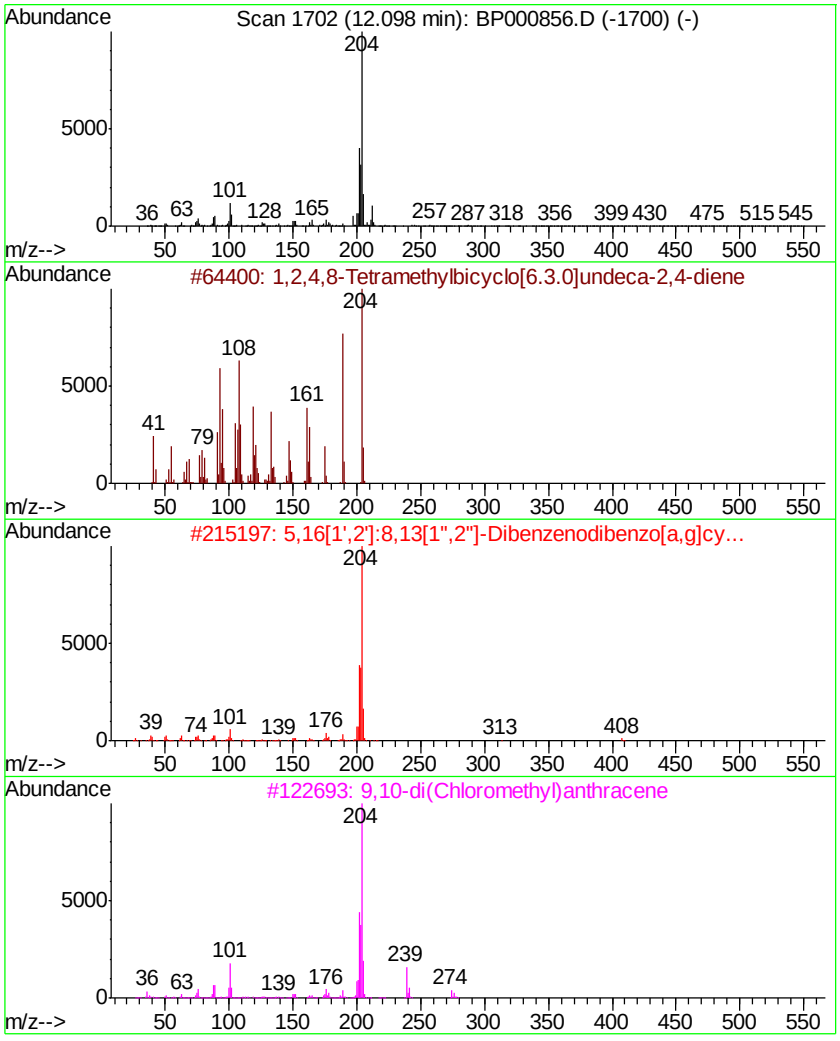
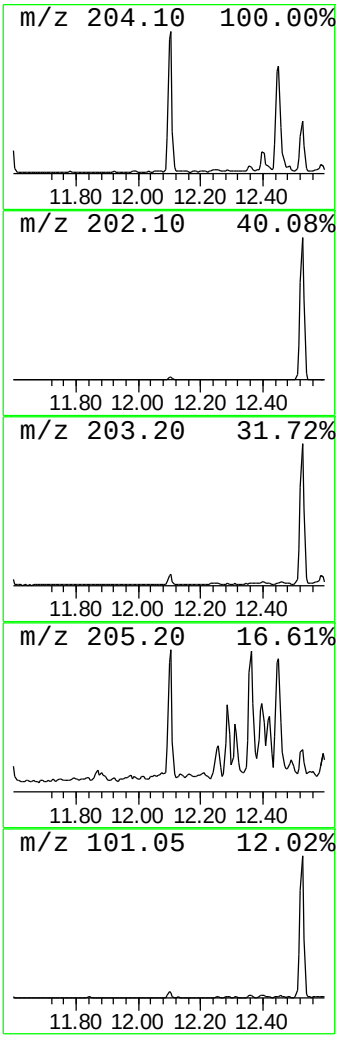
Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.08 ng	248057	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	78
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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Data File : BP000856.D
Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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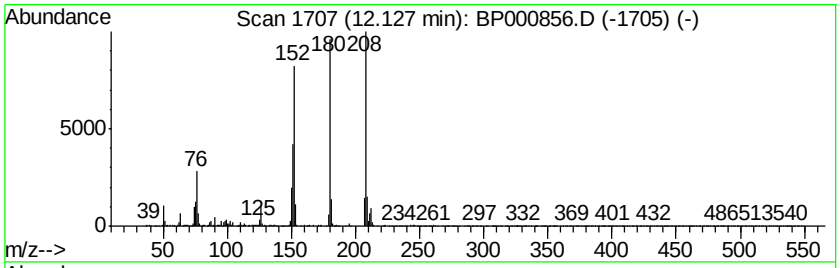
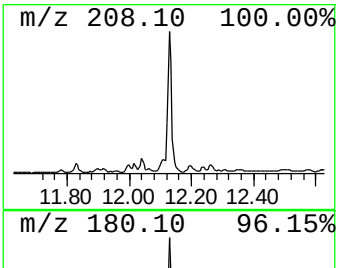
Peak Number 10 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.37 ng	351581	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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Acq On : 17 Oct 2019 23:51
Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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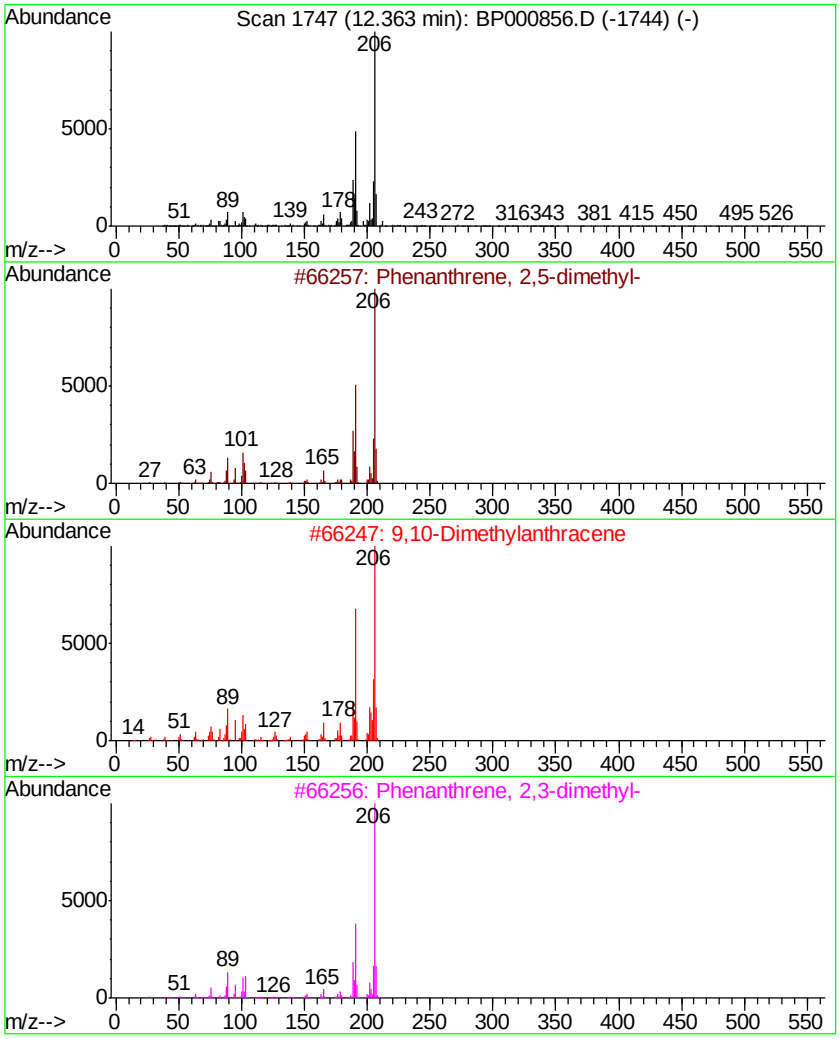
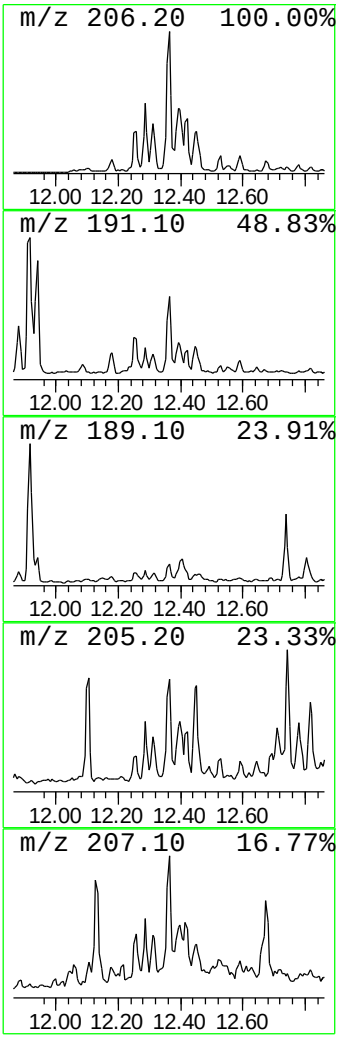
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.66 ng	213944	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





Library Search Compound Report

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Operator : JU
Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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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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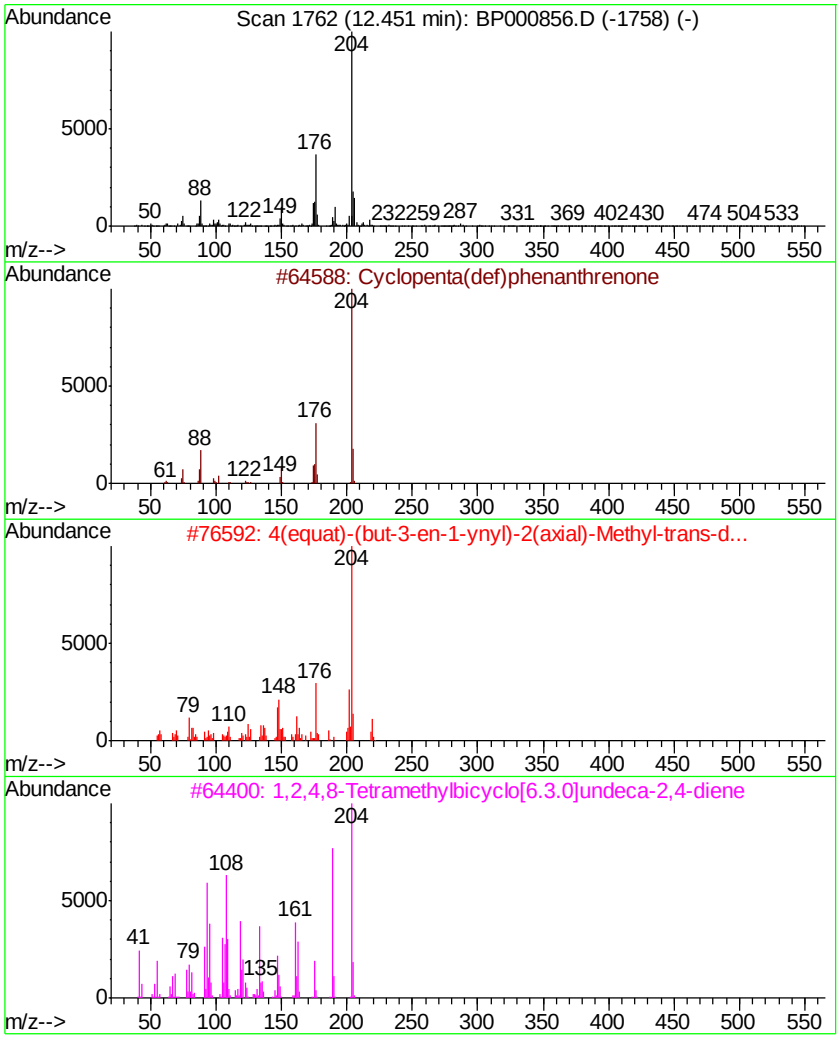
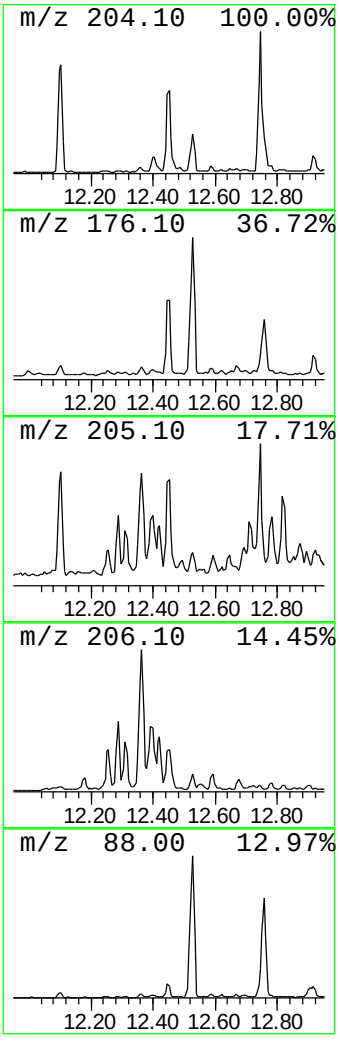
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.32 ng	267093	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Sample : K5393-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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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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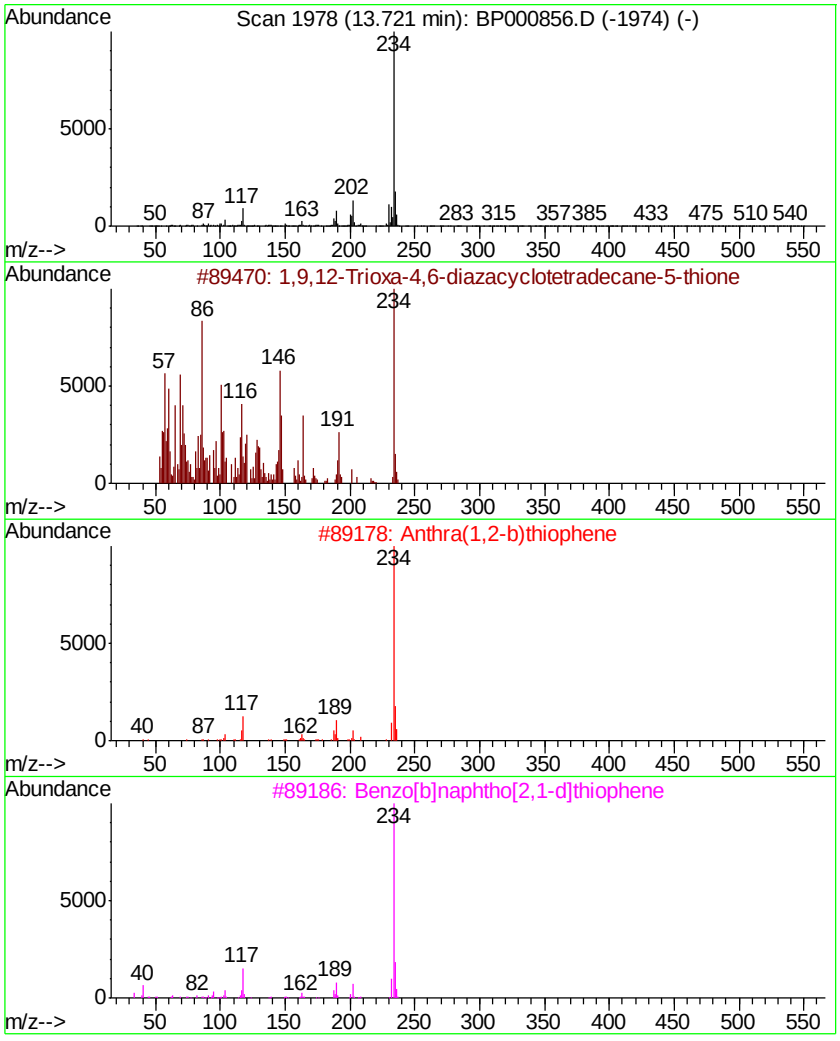
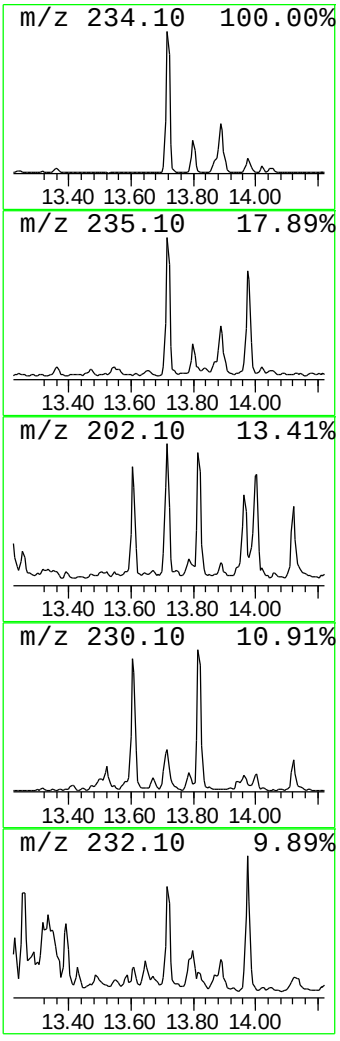
Peak Number 13 1,9,12-Trioxa-4,6-diazacycl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.72 ng	544176	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	86
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	52





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Instrument : BNA_P
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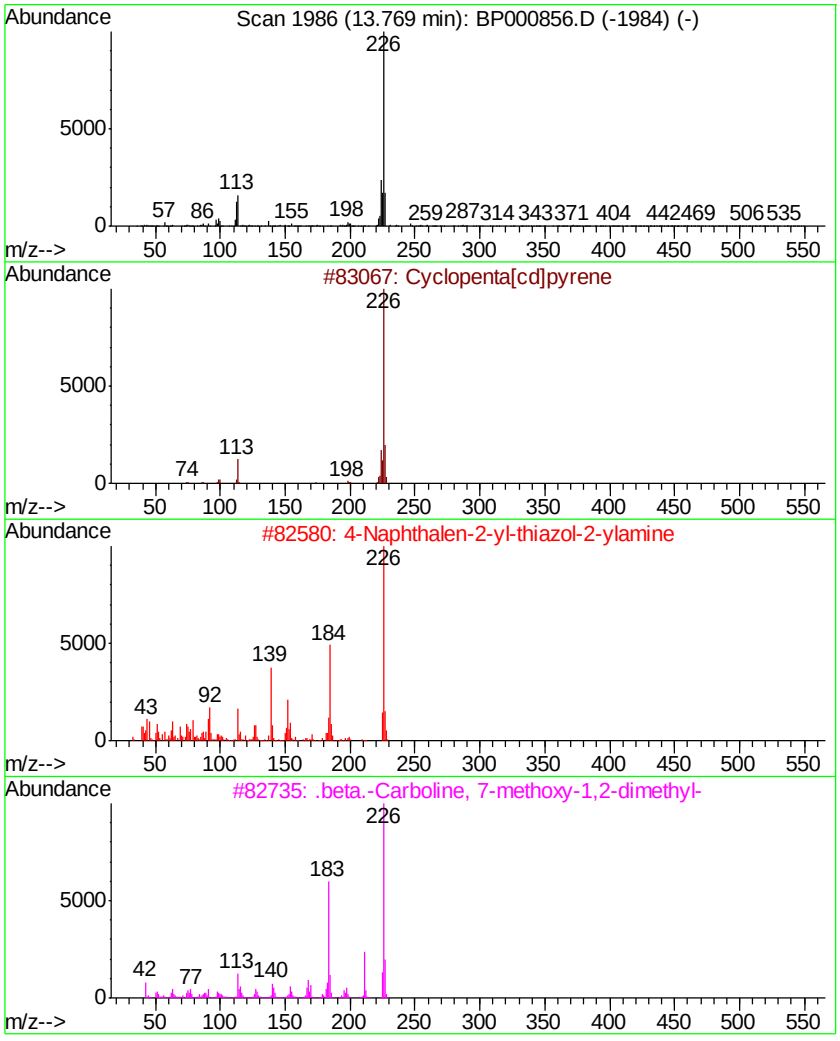
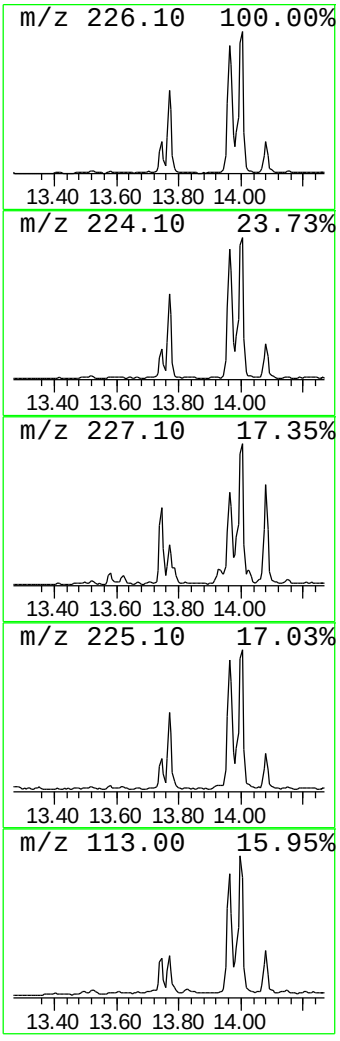
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.72 ng	545223	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
5	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	45





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

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

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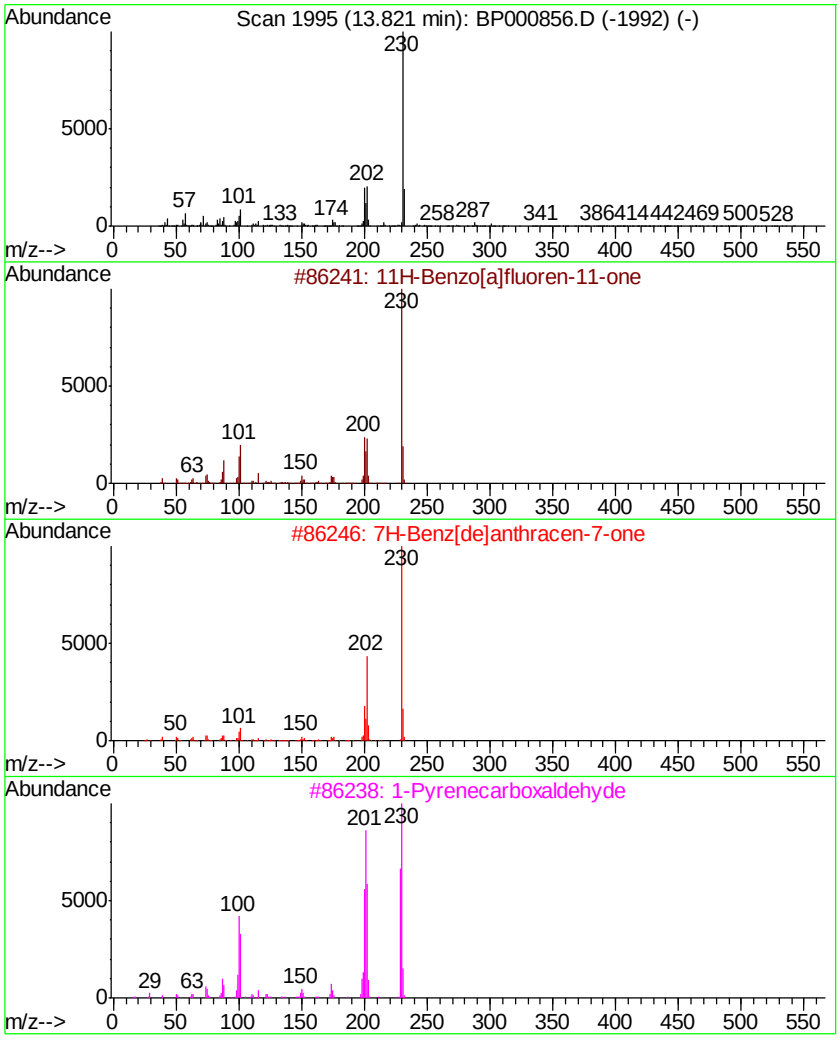
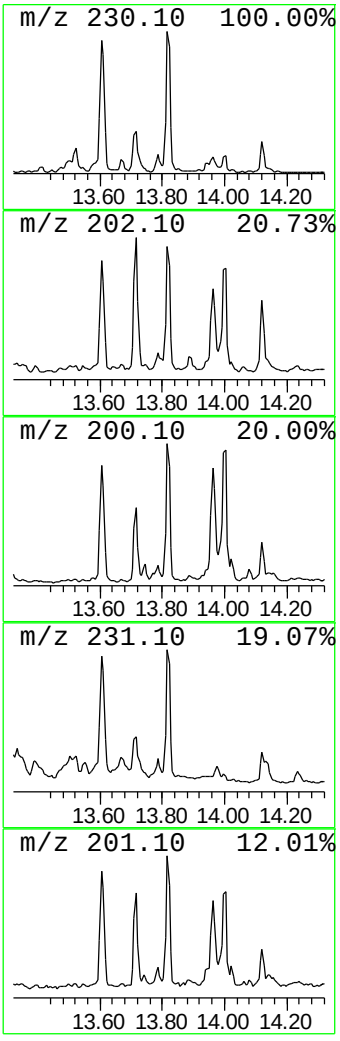
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.93 ng	787926	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59





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Instrument : BNA_P
ClientSampleId : T-9-U1-U3-(0-28)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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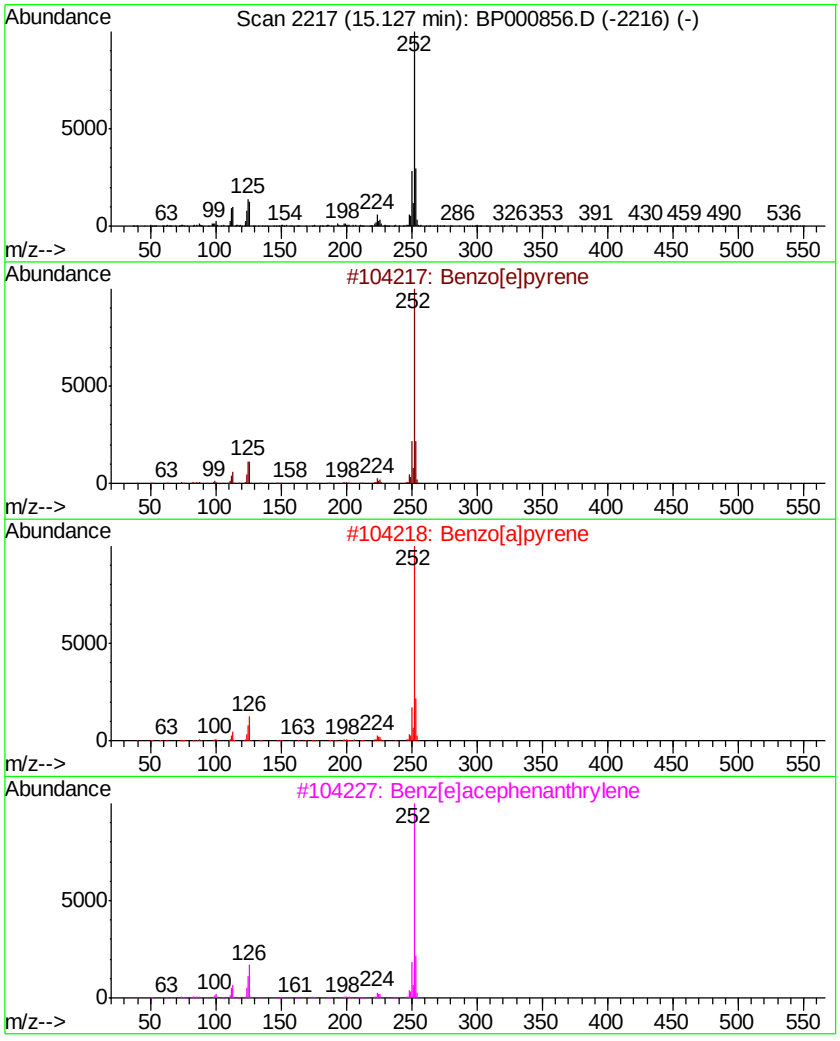
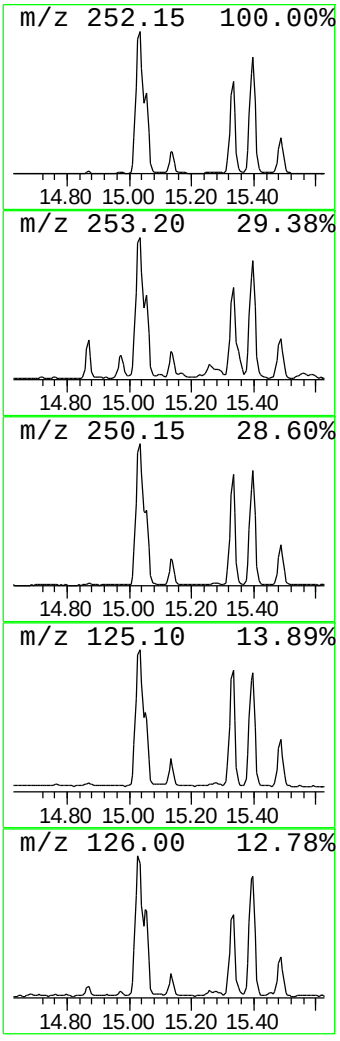
Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	4.16 ng	353137	Perylene-d12	15.46

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	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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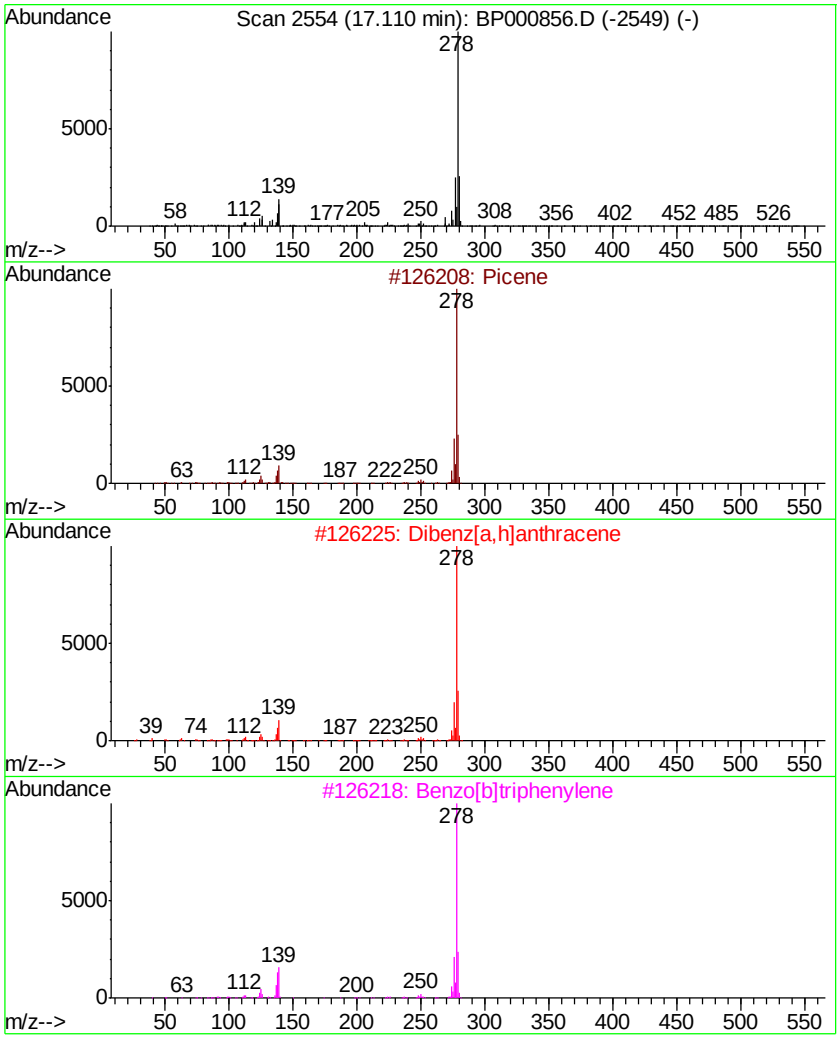
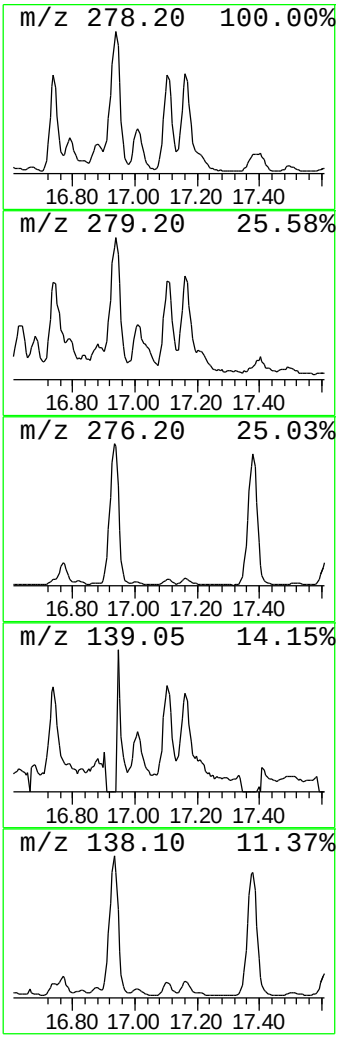
Peak Number 18 Picene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	2.95 ng	250726	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Pentaphene	278	C22H14	000222-93-5	96





Tentatively Identified Compound (LSC) summary

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Data File : BP000856.D
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Operator : JU
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Instrument : BNA_P
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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
unknown6.53	6.53	62.0	ng	3961210	1	6.75	1278610	20.0
Benzenamine, 2-me...	7.91	2.7	ng	216128	2	8.03	1597820	20.0
2-Propanol, 1-chl...	11.16	2.4	ng	194641	4	11.29	1609460	20.0
Anthracene, 1-met...	11.80	3.2	ng	257499	4	11.29	1609460	20.0
Phenanthrene, 1-m...	11.83	5.8	ng	464456	4	11.29	1609460	20.0
4H-Cyclopenta[def...	11.92	6.6	ng	528133	4	11.29	1609460	20.0
Phenanthrene, 2-m...	11.94	2.5	ng	201508	4	11.29	1609460	20.0
1,2,4,8-Tetrameth...	12.10	3.1	ng	248057	4	11.29	1609460	20.0
9,10-Anthracenedione	12.13	4.4	ng	351581	4	11.29	1609460	20.0
Phenanthrene, 2,5...	12.36	2.7	ng	213944	4	11.29	1609460	20.0
Cyclopenta(def)ph...	12.45	3.3	ng	267093	4	11.29	1609460	20.0
1,9,12-Trioxa-4,6...	13.72	2.7	ng	544176	5	13.97	4008400	20.0
Cyclopenta[cd]pyrene	13.77	2.7	ng	545223	5	13.97	4008400	20.0
11H-Benzo[a]fluor...	13.82	3.9	ng	787926	5	13.97	4008400	20.0
Benzo[e]pyrene	15.13	4.2	ng	353137	6	15.46	1697500	20.0
Picene	17.11	3.0	ng	250726	6	15.46	1697500	20.0