LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000274.D
Acq On : 17 Sep 2019 15:48
Operator : HP/JU
Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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-BP091619.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	5.416	561	566	569	rBV	5911492	5914438	19.36%	1.310%
2	6.428	733	738	749	rVB2	6005864	6540366	21.41%	1.449%
3	6.563	757	761	764	rBV	7307115	6459171	21.14%	1.431%
4	6.793	796	800	803	rBV	2428093	1910853	6.25%	0.423%
5	6.952	823	827	830	rBV	6036776	5339896	17.48%	1.183%
6	7.352	890	895	898	rBV	3925623	3528313	11.55%	0.782%
7	8.075	1014	1018	1020	rBV	2836722	2598680	8.51%	0.576%
8	8.093	1020	1021	1025	rVB	1815117	1146674	3.75%	0.254%
9	8.787	1136	1139	1142	rVB	1266625	901842	2.95%	0.200%
10	8.887	1152	1156	1159	rVB	1332322	1039553	3.40%	0.230%
11	9.152	1197	1201	1204	rBV	9403103	7677152	25.13%	1.701%
12	9.493	1255	1259	1261	rBV	1081085	1029636	3.37%	0.228%
13	9.546	1265	1268	1273	rVB	1477247	1076299	3.52%	0.238%
14	9.693	1287	1293	1296	rBV	1530667	1247801	4.08%	0.276%
15	9.834	1314	1317	1320	rVB	3400614	2609817	8.54%	0.578%
16	9.863	1320	1322	1325	rVB	3054539	2649276	8.67%	0.587%
17	10.040	1348	1352	1355	rVB	3073609	2514108	8.23%	0.557%
18	10.381	1407	1410	1416	rVB	2798013	2548584	8.34%	0.565%
19	10.540	1435	1437	1443	rVB	1167658	1189642	3.89%	0.264%
20	10.628	1447	1452	1456	rVV	6434309	6110714	20.00%	1.354%
21	11.134	1535	1538	1542	rVB	4212363	3943320	12.91%	0.874%
22	11.187	1542	1547	1550	rBV2	845878	1178140	3.86%	0.261%
23	11.228	1550	1554	1557	rVB	2889779	2492689	8.16%	0.552%
24	11.375	1567	1579	1581	rBV2	16776228	29967487	98.10%	6.640%
25	11.416	1581	1586	1588	rVV	6259670	5940426	19.45%	1.316%
26	11.563	1605	1611	1614	rBV2	5324933	5190082	16.99%	1.150%
27	11.628	1619	1622	1625	rVB	996600	902222	2.95%	0.200%
28	11.663	1625	1628	1632	rBV3	1529621	1478960	4.84%	0.328%
29	11.840	1652	1658	1660	rBV	5550838	5118562	16.76%	1.134%
30	11.869	1660	1663	1666	rVB	7394671	6203957	20.31%	1.375%
31	11.916	1667	1671	1673	rBV	1663875	1538070	5.03%	0.341%
32	11.951	1673	1677	1680	rVV	6748490	7706903	25.23%	1.708%
33	11.975	1680	1681	1684	rVB	4419867	2538067	8.31%	0.562%
34	12.140	1706	1709	1711	rBV	3338744	3318396	10.86%	0.735%

LSC Area Percent Report

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Acq On : 17 Sep 2019 15:48
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Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.169	1711	1714	1717	rVB	5986149	5449914	17.84%	1.207%
36	12.287	1729	1734	1737	rBV2	1714781	2180766	7.14%	0.483%
37	12.316	1737	1739	1742	rVV	1417732	1510032	4.94%	0.335%
38	12.346	1742	1744	1747	rVB2	1059840	877507	2.87%	0.194%
39	12.398	1748	1753	1755	rBV	3597638	4146320	13.57%	0.919%
40	12.434	1755	1759	1761	rVV3	1885664	3144087	10.29%	0.697%
41	12.493	1765	1769	1775	rVV	3852367	4724576	15.47%	1.047%
42	12.581	1775	1784	1787	rVV	15641144	30549314	100.00%	6.769%
43	12.604	1787	1788	1790	rVV	881467	873677	2.86%	0.194%
44	12.628	1790	1792	1795	rVV2	1305372	1348627	4.41%	0.299%
45	12.710	1800	1806	1809	rVV2	2935036	3540656	11.59%	0.784%
46	12.816	1816	1824	1826	rVV3	15075274	30157975	98.72%	6.682%
47	12.840	1826	1828	1834	rVB2	1934959	2353982	7.71%	0.522%
48	12.910	1834	1840	1842	rBV	2576676	2889715	9.46%	0.640%
49	12.934	1842	1844	1852	rVB2	7676755	9295693	30.43%	2.060%
50	13.016	1852	1858	1861	rBV2	3198781	5396354	17.66%	1.196%
51	13.040	1861	1862	1865	rVV	1391860	848991	2.78%	0.188%
52	13.098	1869	1872	1874	rVV3	2797398	3674318	12.03%	0.814%
53	13.122	1874	1876	1879	rVB	4012472	3553870	11.63%	0.787%
54	13.187	1884	1887	1890	rVV	1587943	1820421	5.96%	0.403%
55	13.228	1890	1894	1897	rVV2	4728670	5322003	17.42%	1.179%
56	13.287	1901	1904	1907	rVV2	1003176	1177206	3.85%	0.261%
57	13.322	1907	1910	1913	rVV	3087988	3047688	9.98%	0.675%
58	13.351	1913	1915	1918	rVV	3186973	3081803	10.09%	0.683%
59	13.440	1925	1930	1933	rVB5	485423	919497	3.01%	0.204%
60	13.510	1938	1942	1943	rBV3	728234	957737	3.14%	0.212%
61	13.640	1960	1964	1968	rVV	5815149	5888449	19.28%	1.305%
62	13.745	1978	1982	1985	rBV2	5135112	6086930	19.92%	1.349%
63	13.781	1985	1988	1990	rVV	3566015	3717667	12.17%	0.824%
64	13.804	1990	1992	1997	rVV3	3258254	4576358	14.98%	1.014%
65	13.851	1997	2000	2007	rVB	5220354	5437372	17.80%	1.205%
66	13.916	2009	2011	2014	rVV	1078985	1087616	3.56%	0.241%
67	14.004	2018	2026	2029	rVV2	11768766	22073734	72.26%	4.891%
68	14.045	2029	2033	2039	rVB	12121315	17013008	55.69%	3.769%
69	14.092	2039	2041	2043	rBV	915879	897056	2.94%	0.199%
70	14.116	2043	2045	2049	rVV	1775612	1921340	6.29%	0.426%
71	14.169	2052	2054	2056	rVV2	1203665	1485220	4.86%	0.329%

LSC Area Percent Report

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Instrument : BNA_P
ClientSampleId : SB-10

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.193	2056	2058	2060	rVV2	1915863	1615523	5.29%	0.358%
73	14.228	2060	2064	2068	rVV2	2378697	3073178	10.06%	0.681%
74	14.263	2068	2070	2073	rVV2	1287577	1254475	4.11%	0.278%
75	14.328	2077	2081	2084	rVV4	689924	1218203	3.99%	0.270%
76	14.357	2084	2086	2088	rVV	1232739	1191440	3.90%	0.264%
77	14.398	2088	2093	2095	rVV	3917059	4619095	15.12%	1.023%
78	14.428	2095	2098	2102	rVV2	2669307	3206498	10.50%	0.710%
79	14.481	2102	2107	2111	rVV3	1389108	2801249	9.17%	0.621%
80	14.522	2111	2114	2116	rVV	2116318	2064266	6.76%	0.457%
81	14.540	2116	2117	2121	rVV2	1197106	962053	3.15%	0.213%
82	14.592	2121	2126	2132	rVB3	1247954	1763659	5.77%	0.391%
83	14.704	2141	2145	2148	rBV3	1049270	1402981	4.59%	0.311%
84	14.822	2163	2165	2170	rVB2	784241	832586	2.73%	0.184%
85	14.892	2172	2177	2181	rVB2	1323611	2331837	7.63%	0.517%
86	15.081	2200	2209	2211	rBV	9756498	20651334	67.60%	4.576%
87	15.175	2221	2225	2228	rVB	2333567	2426935	7.94%	0.538%
88	15.257	2236	2239	2242	rBV2	700919	1118886	3.66%	0.248%
89	15.322	2247	2250	2253	rVV2	769395	1115460	3.65%	0.247%
90	15.381	2253	2260	2265	rVV	6441778	10964826	35.89%	2.429%
91	15.451	2265	2272	2275	rVB	8063355	12144278	39.75%	2.691%
92	15.498	2275	2280	2282	rBV	1777472	2458915	8.05%	0.545%
93	15.534	2282	2286	2292	rVB2	3315607	4774798	15.63%	1.058%
94	15.857	2338	2341	2348	rVB	592376	910137	2.98%	0.202%
95	16.792	2495	2500	2503	rBV2	707839	1373246	4.50%	0.304%
96	17.004	2528	2536	2542	rVB2	4221759	9466760	30.99%	2.097%
97	17.163	2558	2563	2568	rVB	747294	1275480	4.18%	0.283%
98	17.228	2569	2574	2578	rBV2	702015	1243321	4.07%	0.275%
99	17.457	2603	2613	2621	rVB	3019226	7417278	24.28%	1.643%
100	17.669	2644	2649	2654	rVB	602798	1082758	3.54%	0.240%

Sum of corrected areas: 451339030

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000274.D
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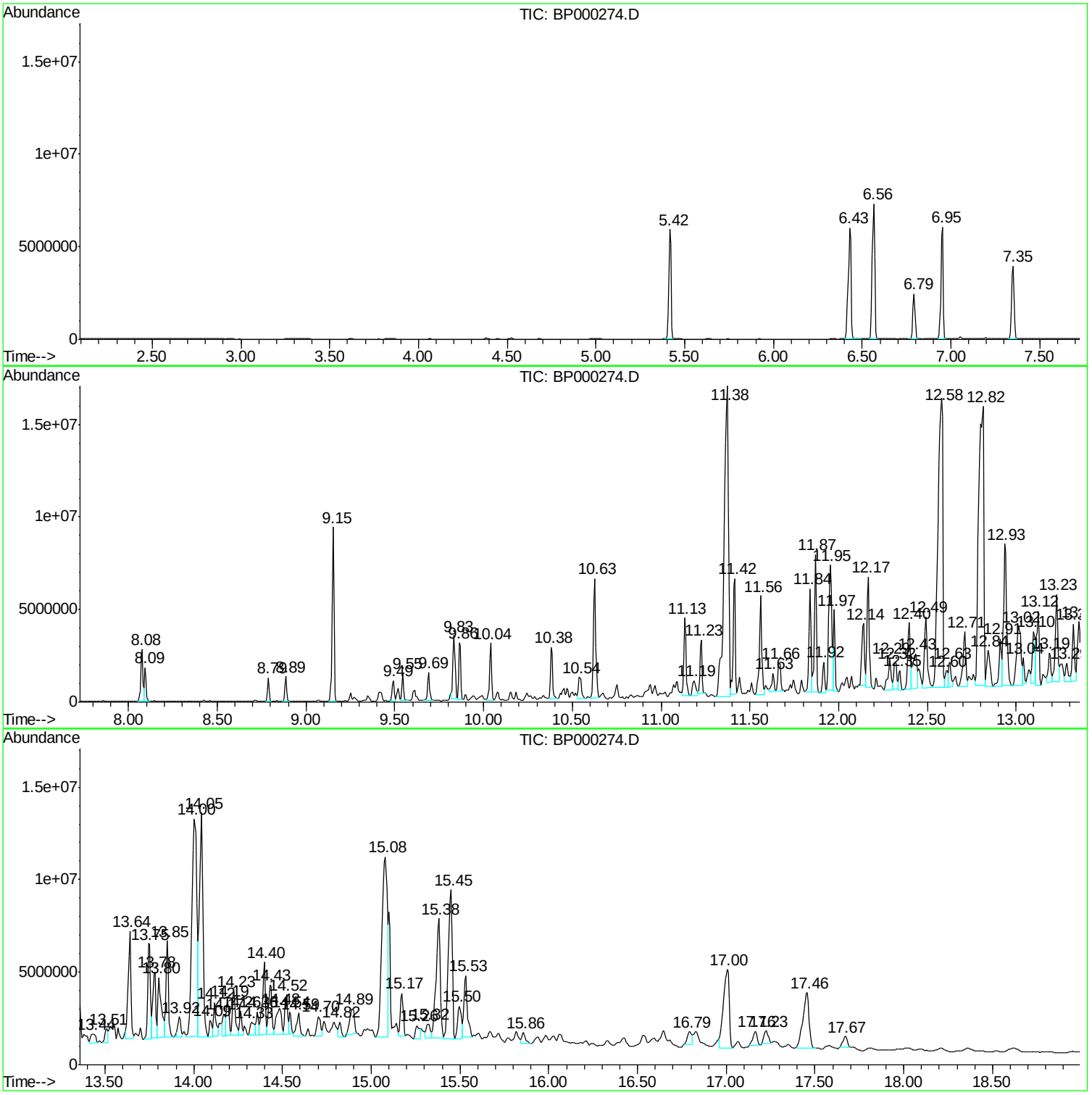
Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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Instrument : BNA_P
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

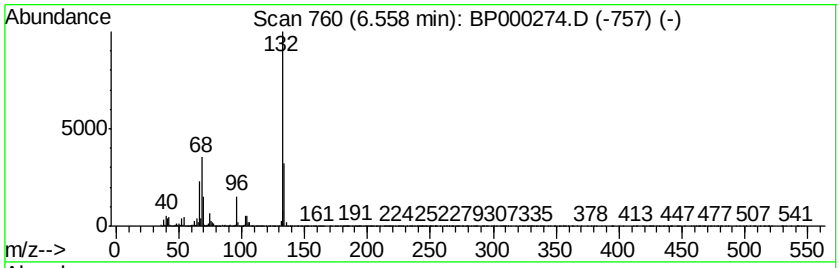
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

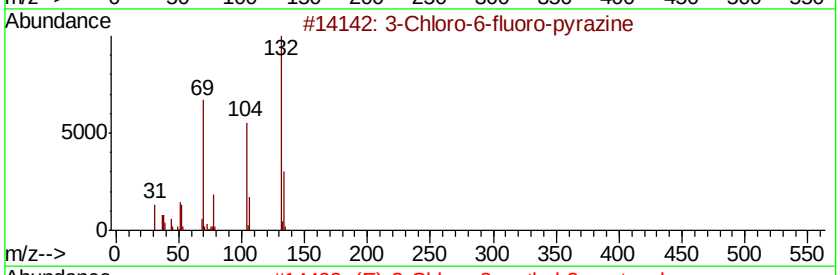
****

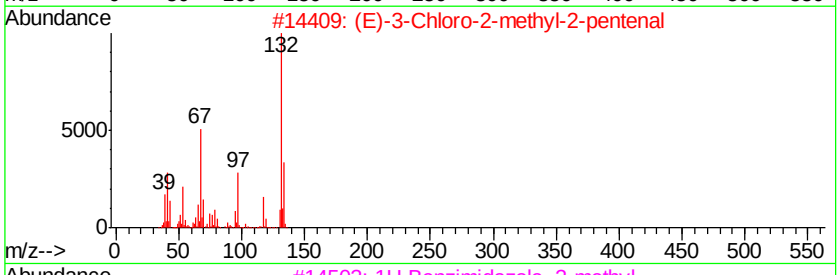
Peak Number 1 unknown6.56 Concentration Rank 2

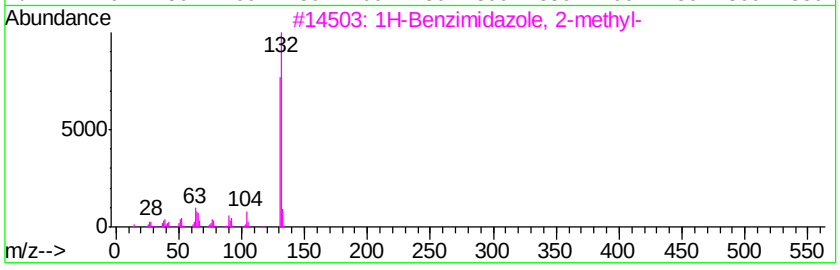
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	67.61 ng	6459170	1,4-Dichlorobenzene-d4	6.79

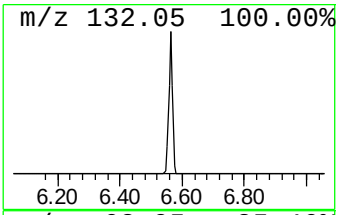
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9

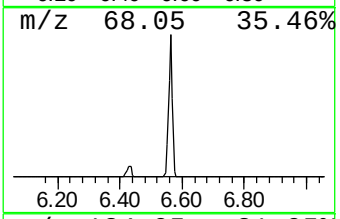


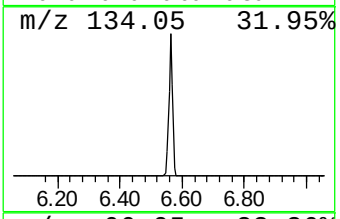


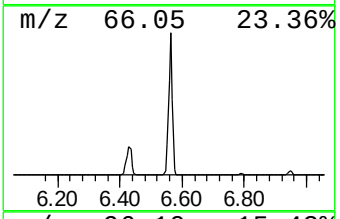


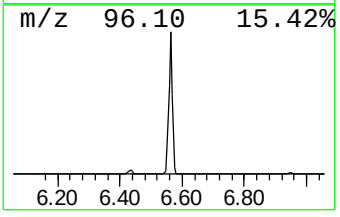












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Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

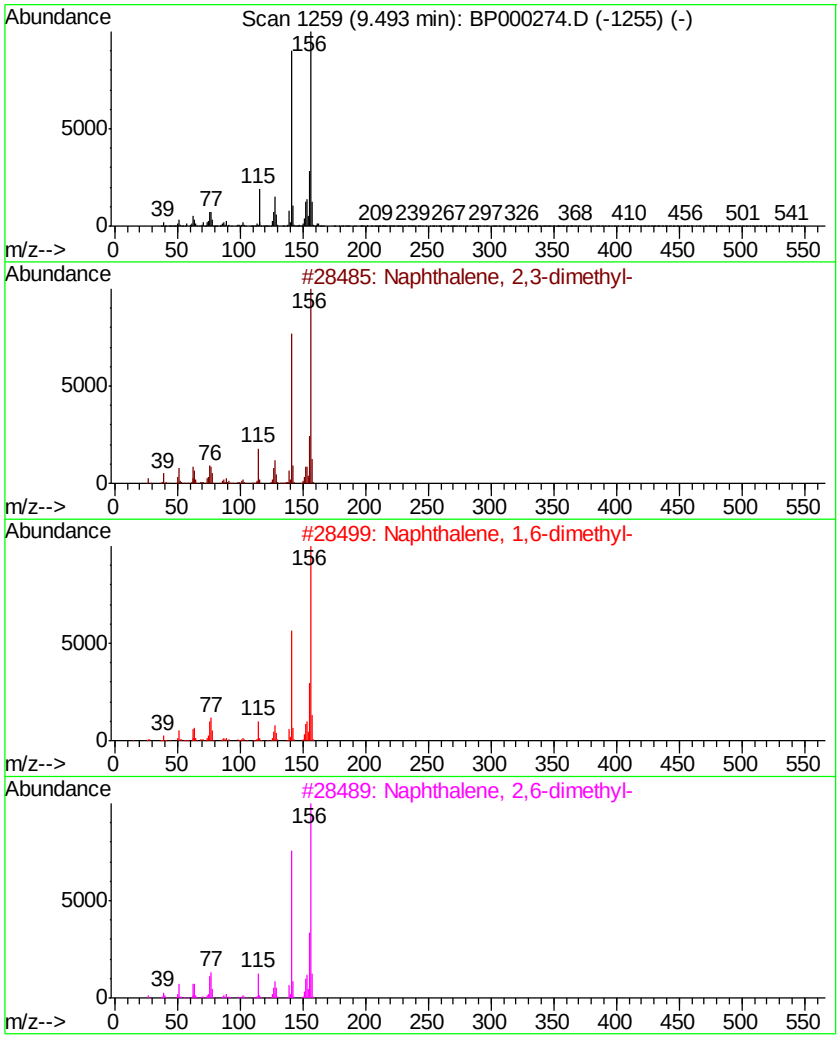
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

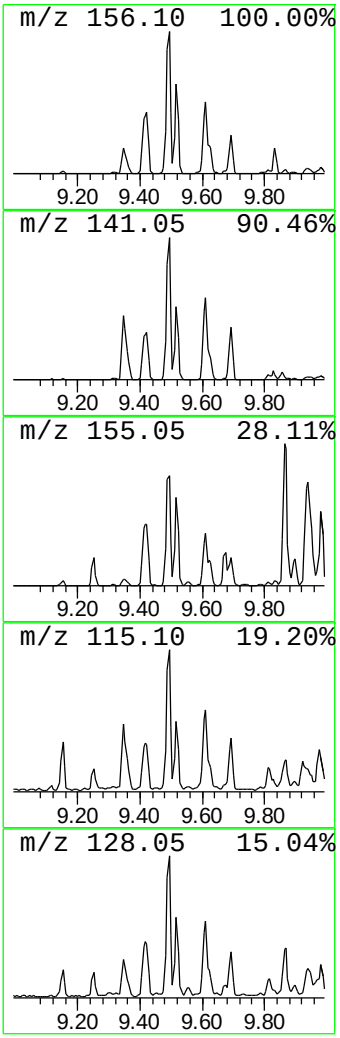
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	7.89 ng	1029640	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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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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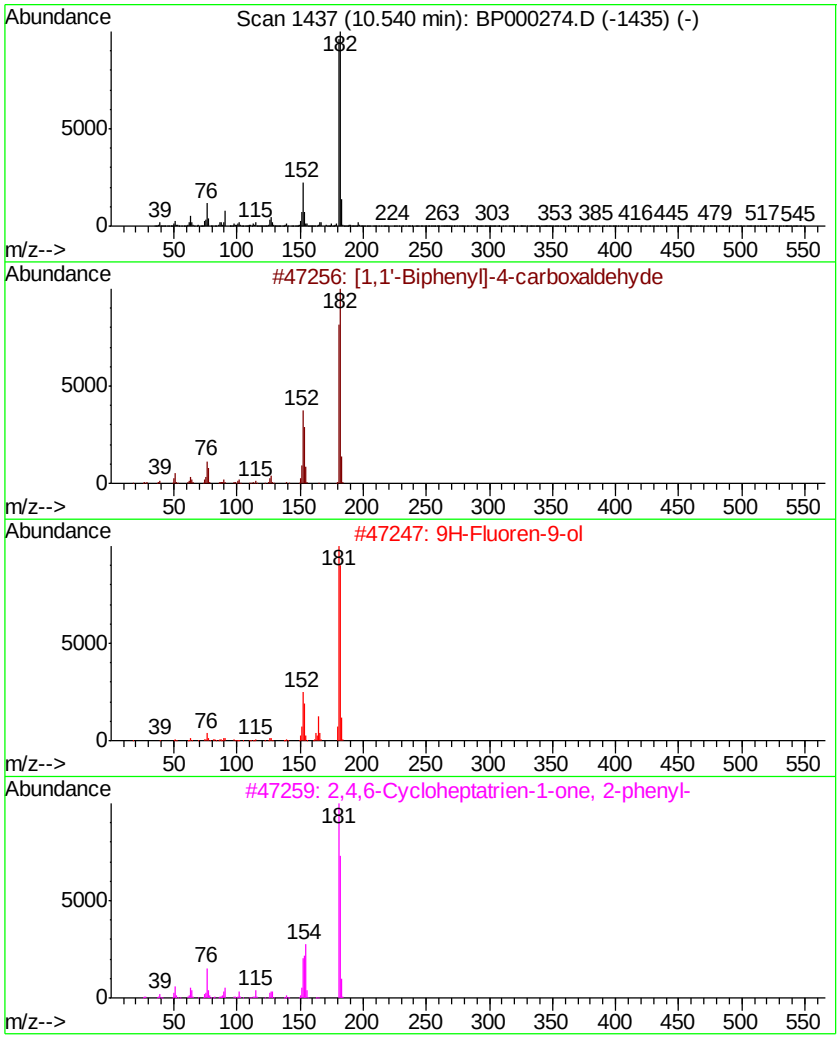
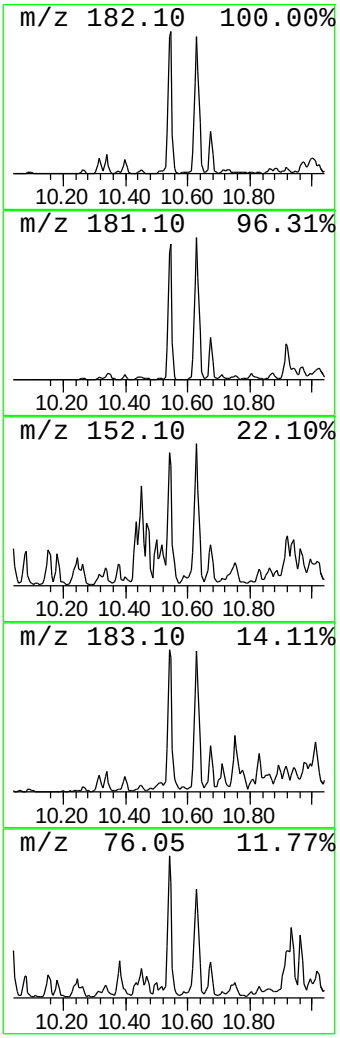
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	9.12 ng	1189640	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Data File : BP000274.D
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Misc :
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Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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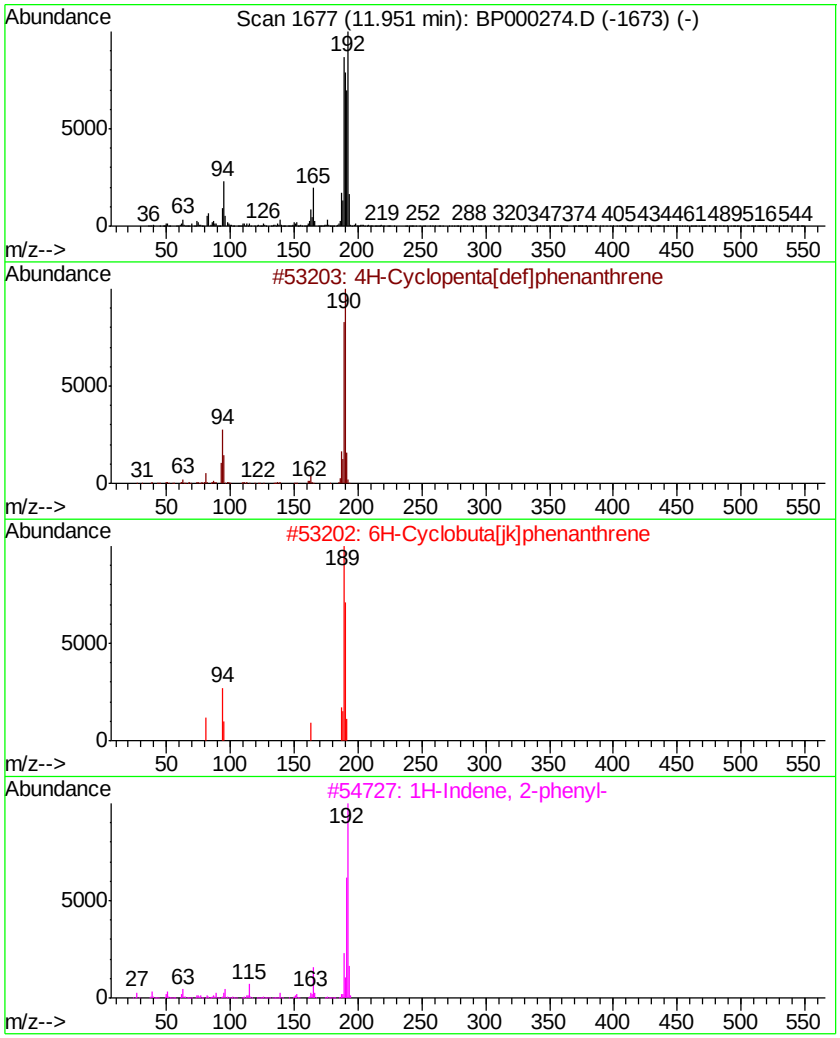
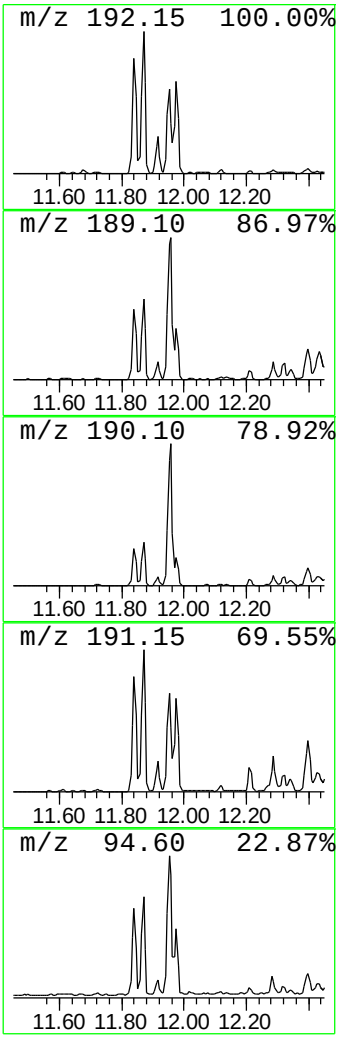
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.14 ng	7706900	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Acq On : 17 Sep 2019 15:48
Operator : HP/JU
Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

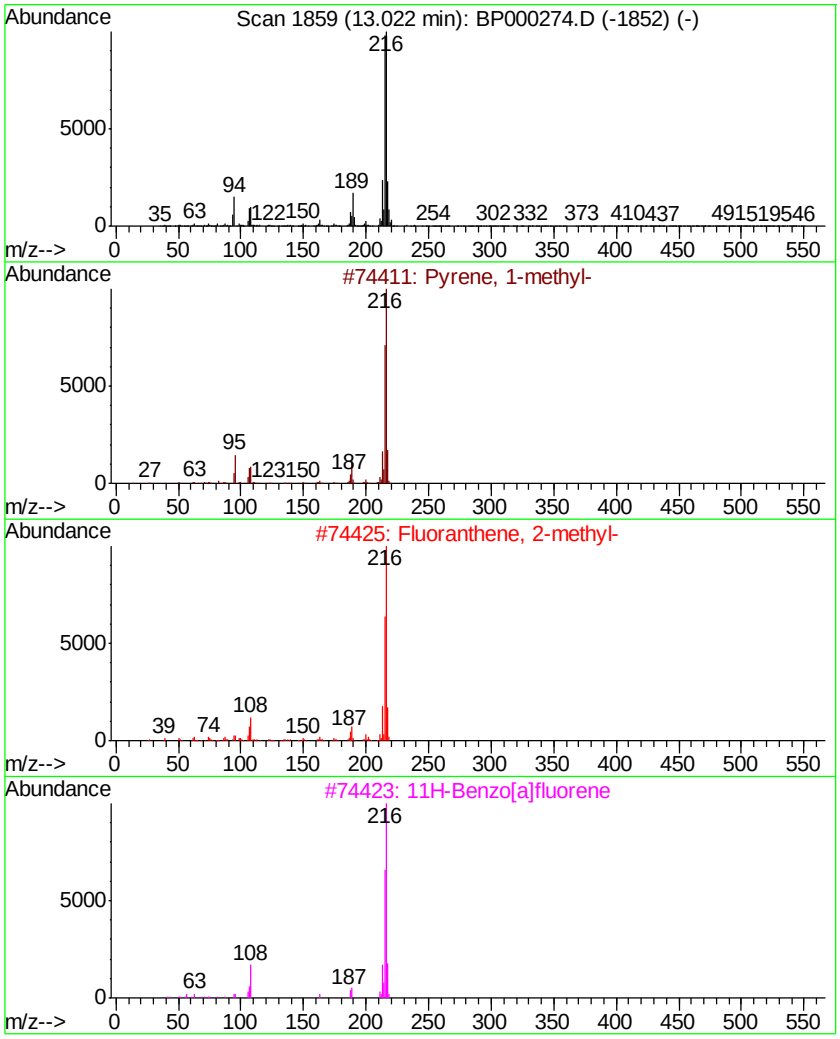
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

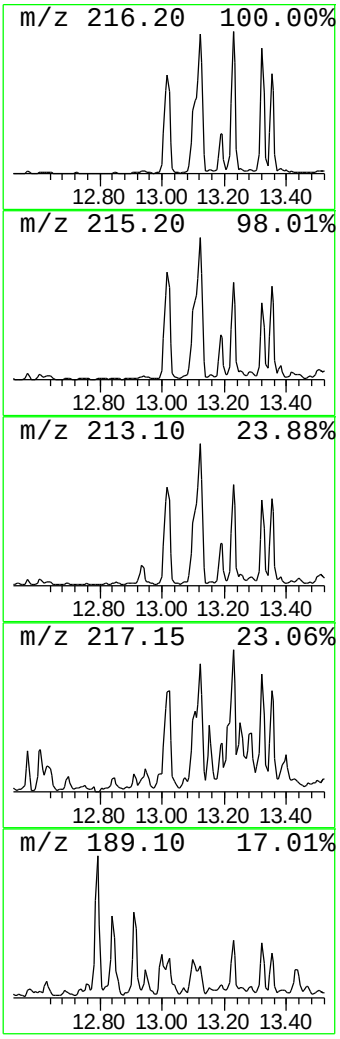
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	4.89 ng	5396350	Chrysene-d12	14.02

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Operator : HP/JU
Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

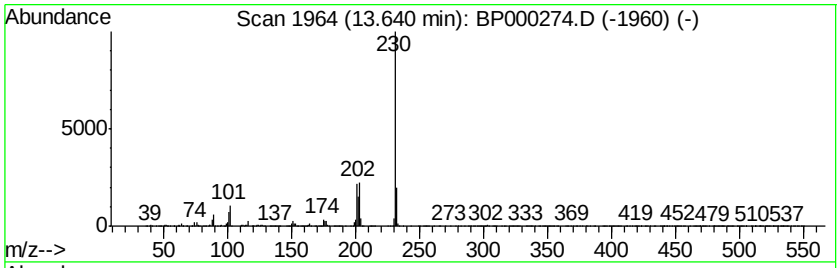
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

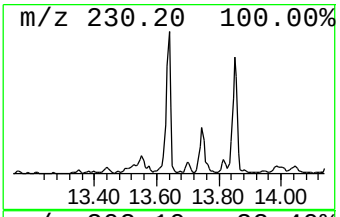
****

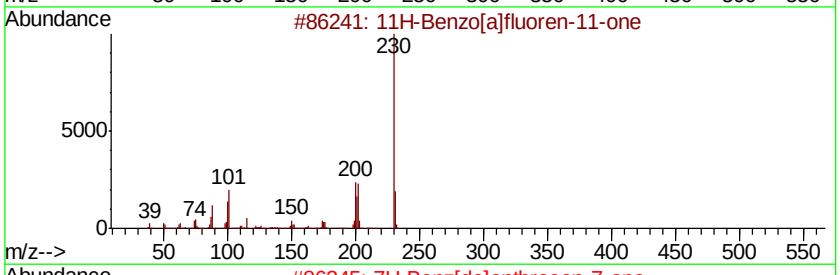
Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 17

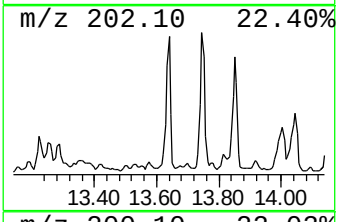
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	5.34 ng	5888450	Chrysene-d12	14.02

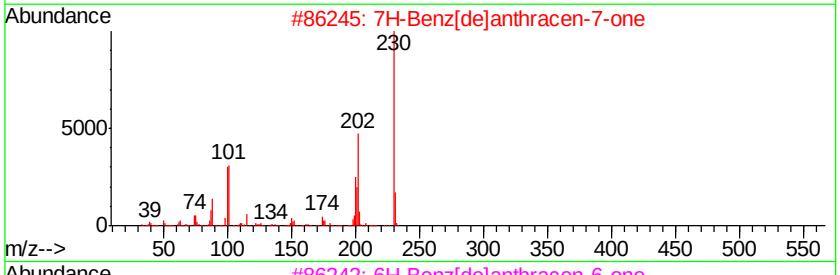
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
4	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	59
5	o-Terphenyl	230	C18H14	000084-15-1	58

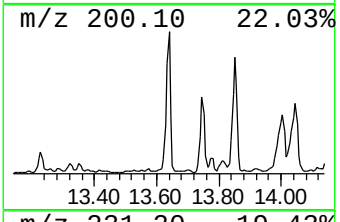


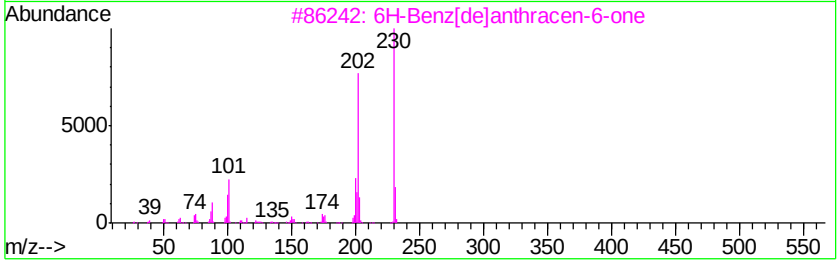


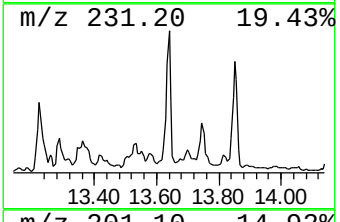


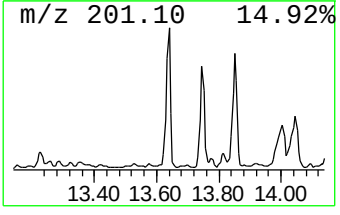












Library Search Compound Report

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Data File : BP000274.D
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Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

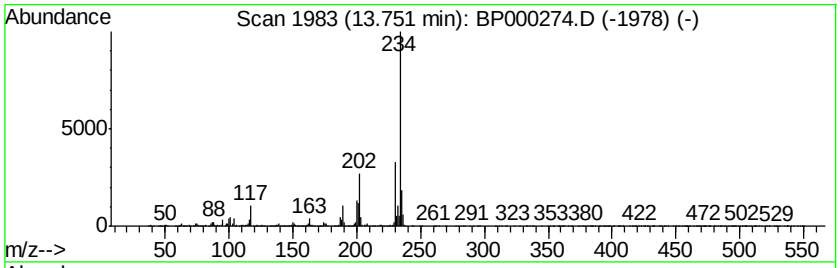
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

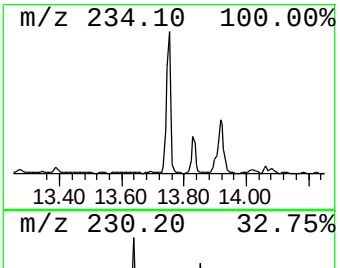
****

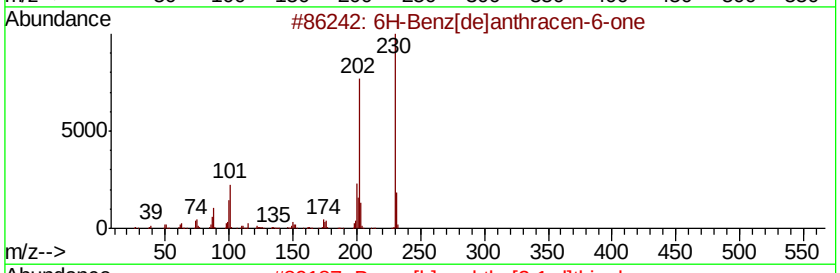
Peak Number 8 6H-Benz[de]anthracen-6-one Concentration Rank 16

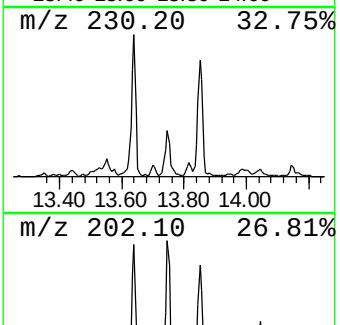
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	5.52 ng	6086930	Chrysene-d12	14.02

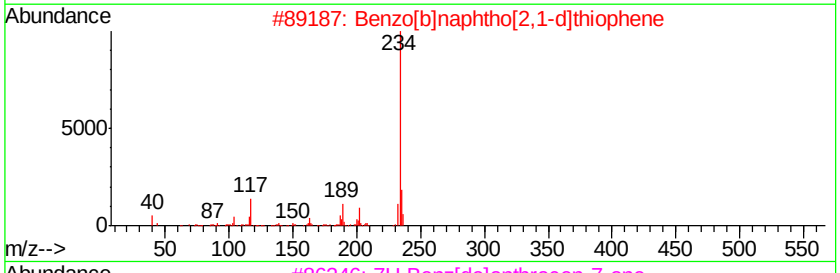
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	52

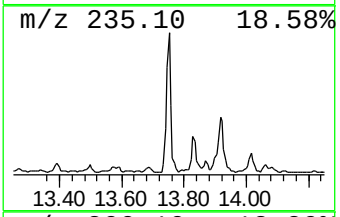


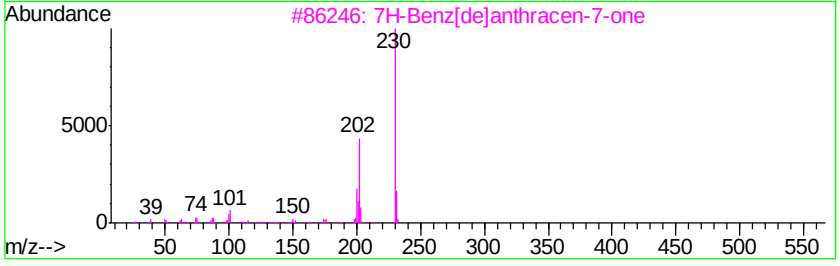


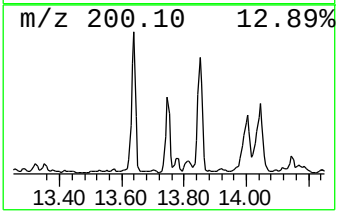












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Acq On : 17 Sep 2019 15:48
Operator : HP/JU
Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

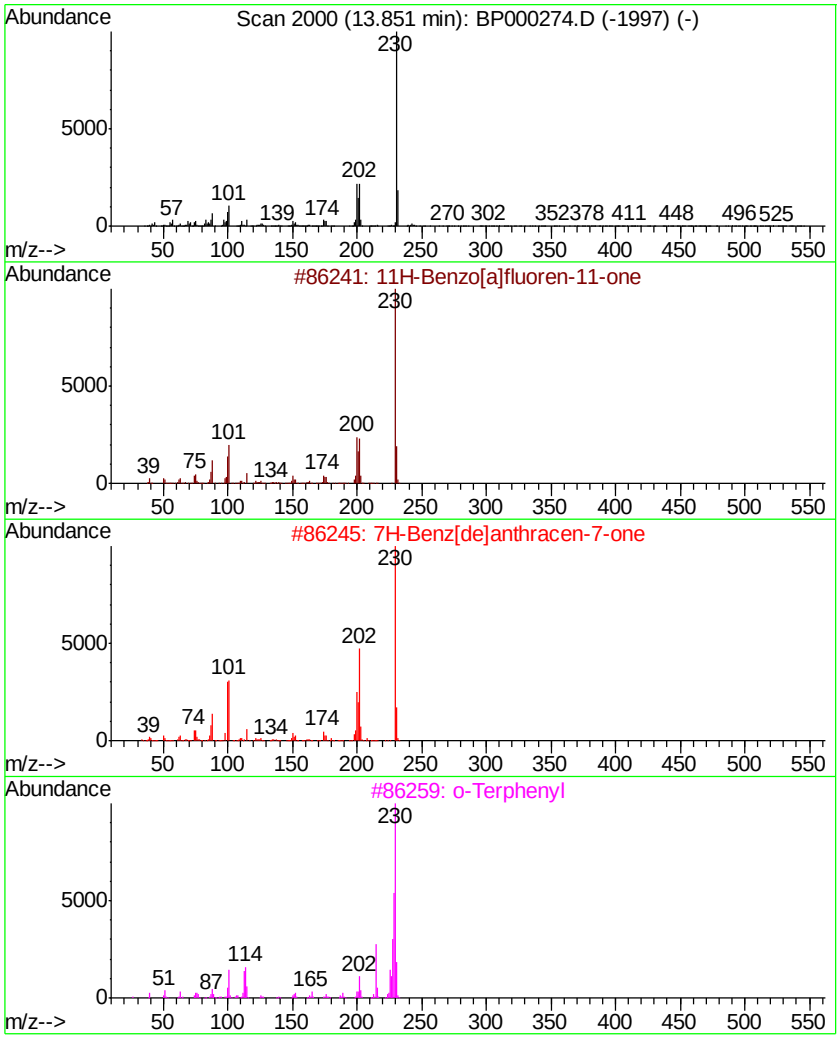
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

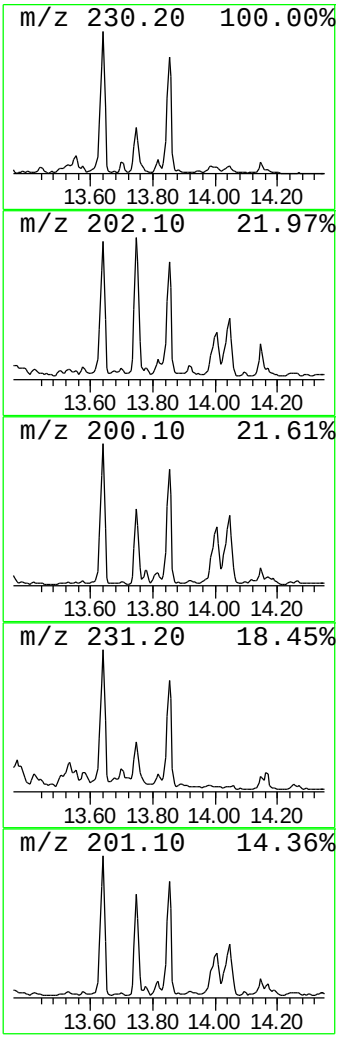
****

Peak Number 9 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	4.93 ng	5437370	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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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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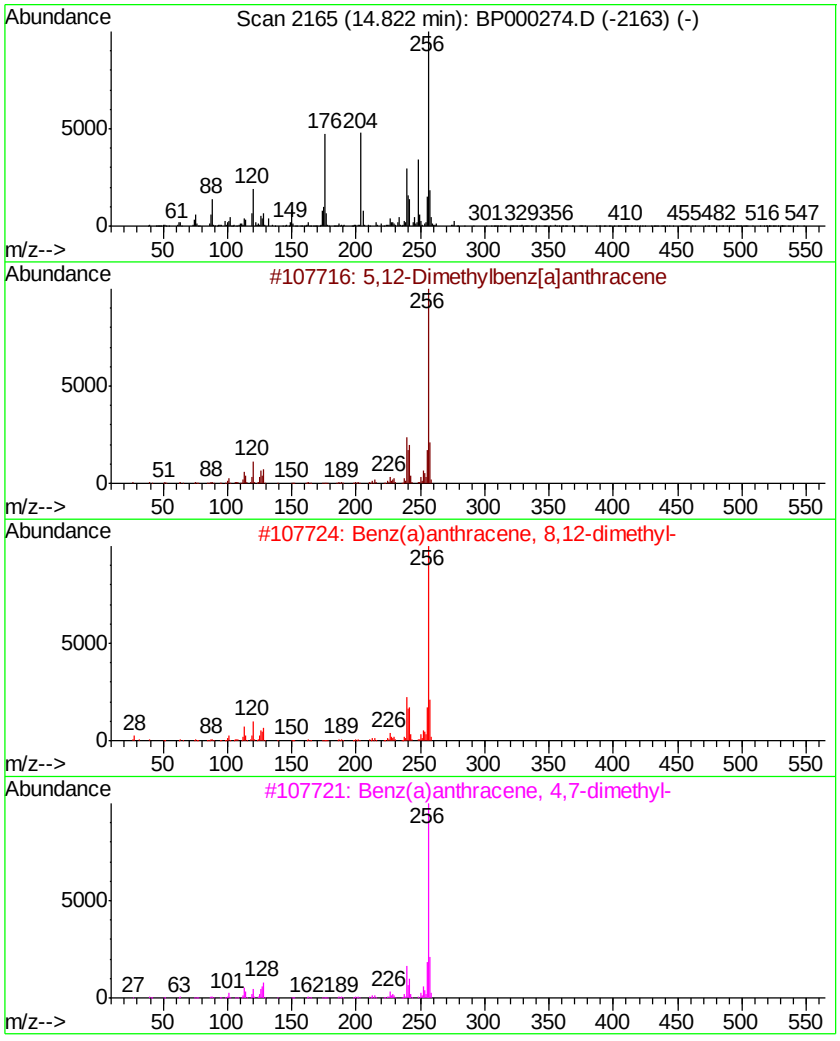
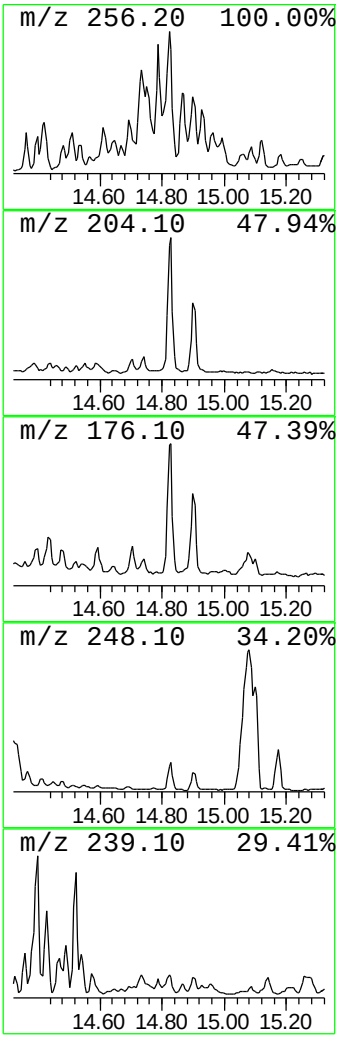
Peak Number 10 5,12-Dimethylbenz[a]anthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	6.77 ng	832586	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	87
2	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	64
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	62
4	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	60
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	49





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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

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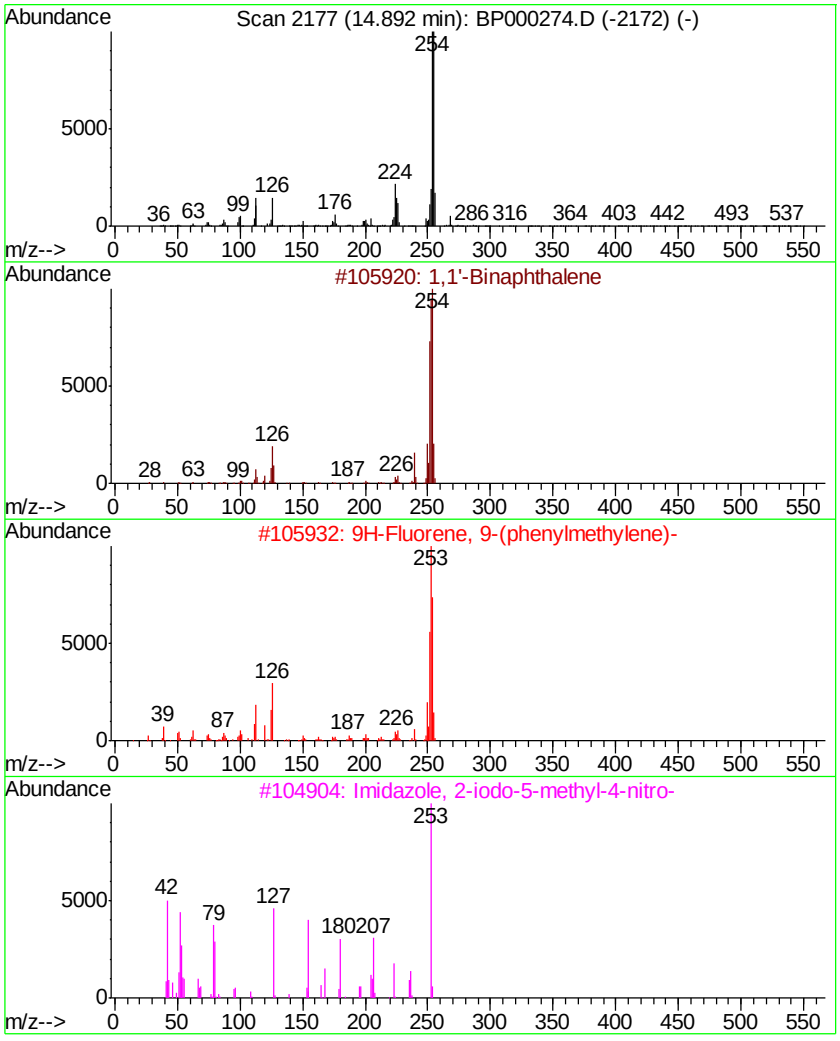
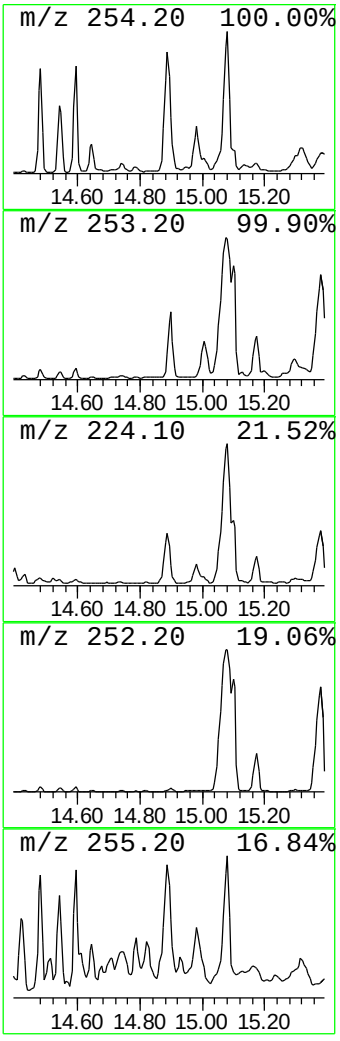
Peak Number 11 1,1'-Binaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	18.97 ng	2331840	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	74
3	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	70
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64





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ClientSampleId : SB-10

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

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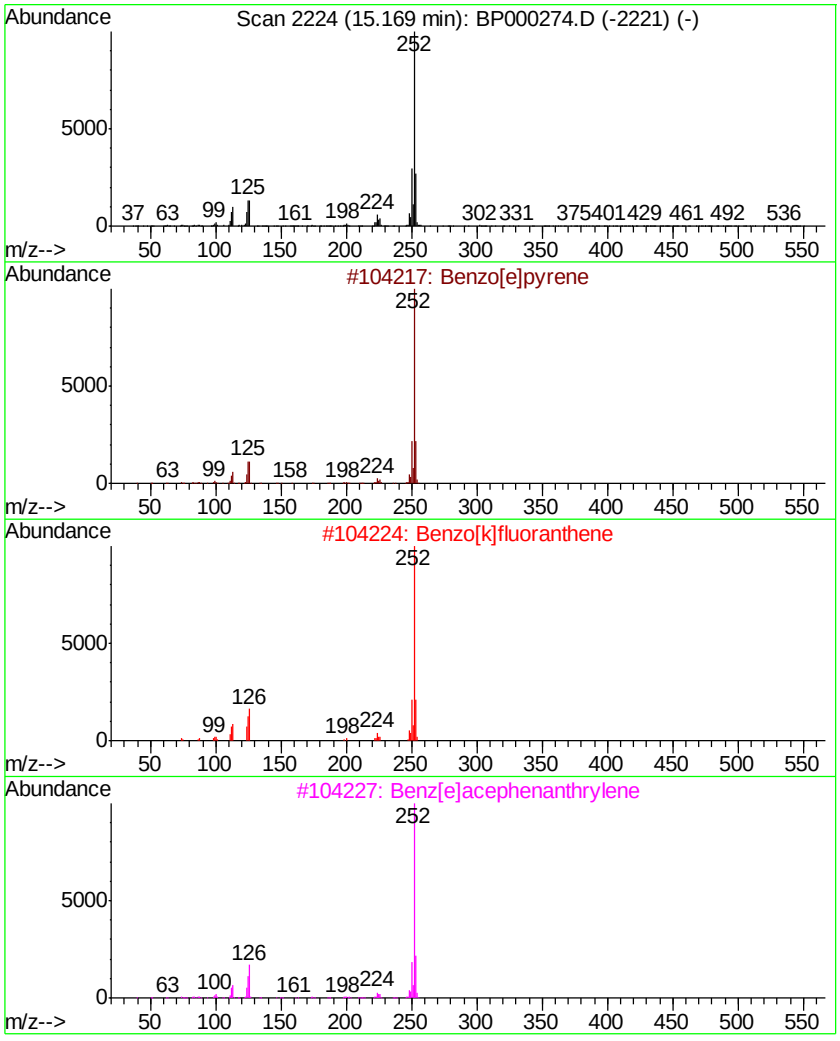
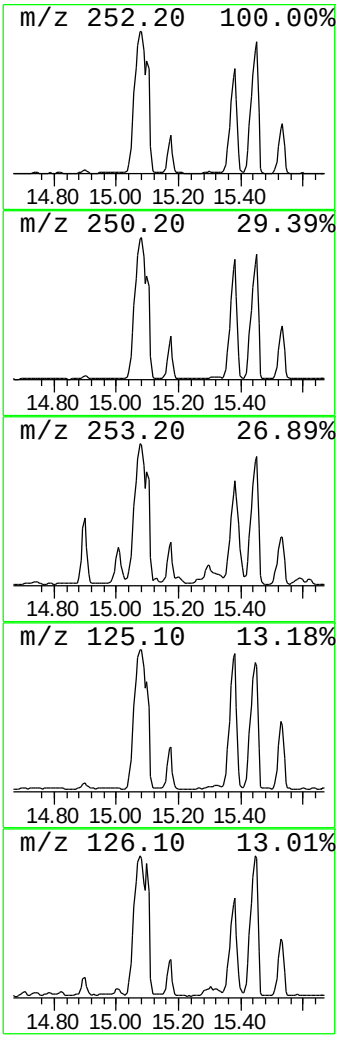
Peak Number 12 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	19.74 ng	2426940	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	74





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Sample : K4918-09
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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TIC Integration Parameters: LSCINT.P

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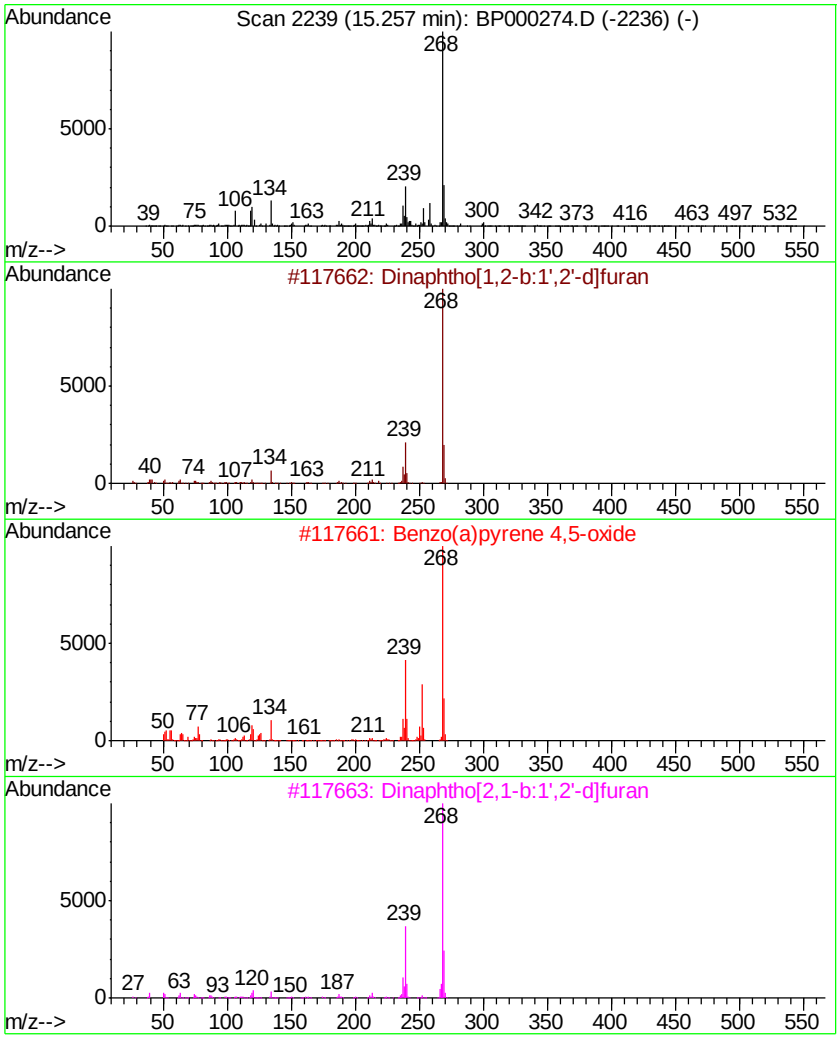
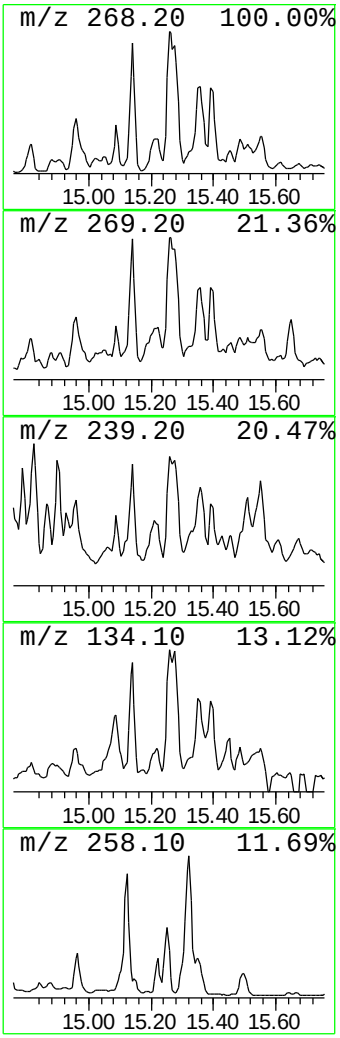
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	9.10 ng	1118890	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
4	Diethylstilbestrol	268	C18H20O2	000056-53-1	59
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58





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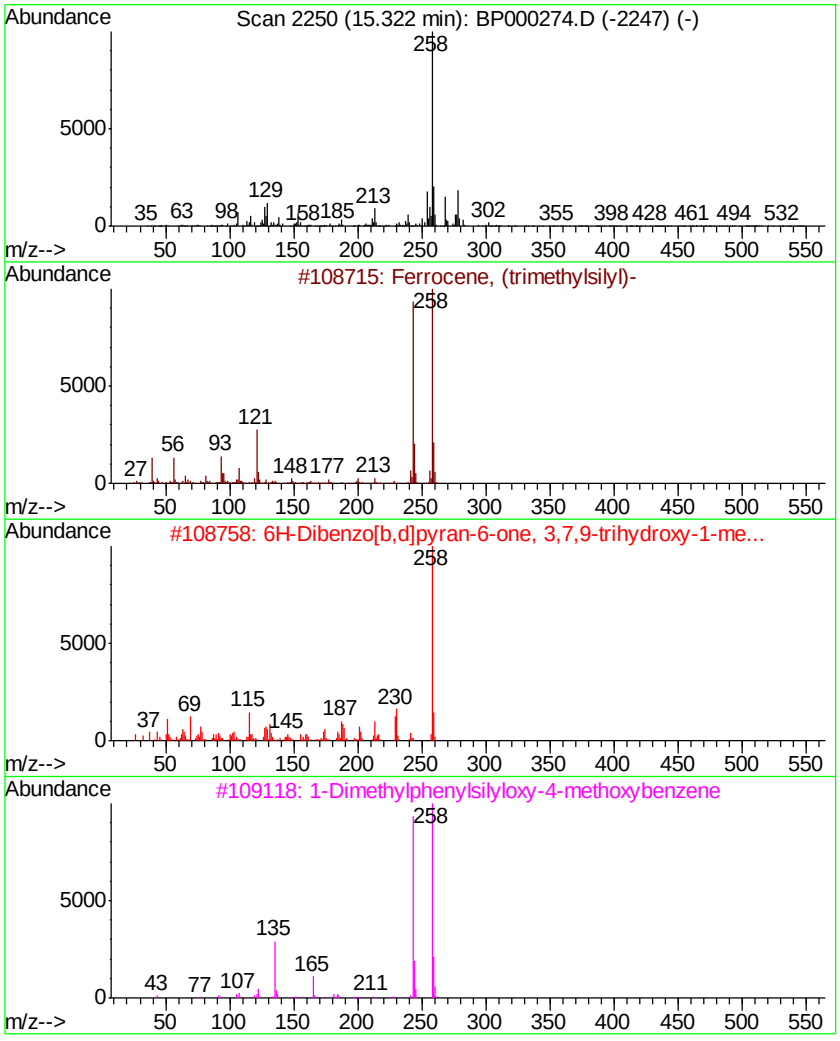
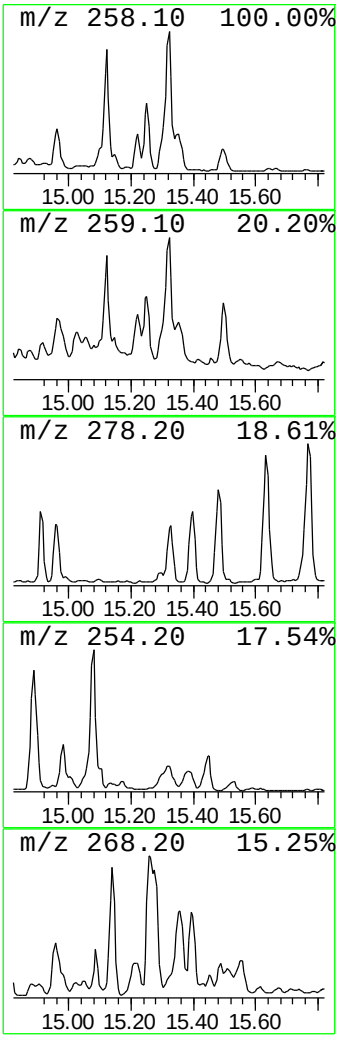
Peak Number 14 Ferrocene, (trimethylsilyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	9.07 ng	1115460	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferrocene, (trimethylsilyl)-	258	C13H18FeSi	012215-68-8	53
2	6H-Dibenzo[b,d]pyran-6-one, 3,7,...	258	C14H10O5	000641-38-3	52
3	1-Dimethylphenylsilyloxy-4-metho...	258	C15H18O2Si	1000307-90-7	50
4	2',5'-Dimethoxy-2-biphenylcarbox...	258	C15H14O4	003525-23-3	50
5	4,5-Dimethoxy-2-biphenylcarboxyl...	258	C15H14O4	162137-38-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000274.D
Acq On : 17 Sep 2019 15:48
Operator : HP/JU
Sample : K4918-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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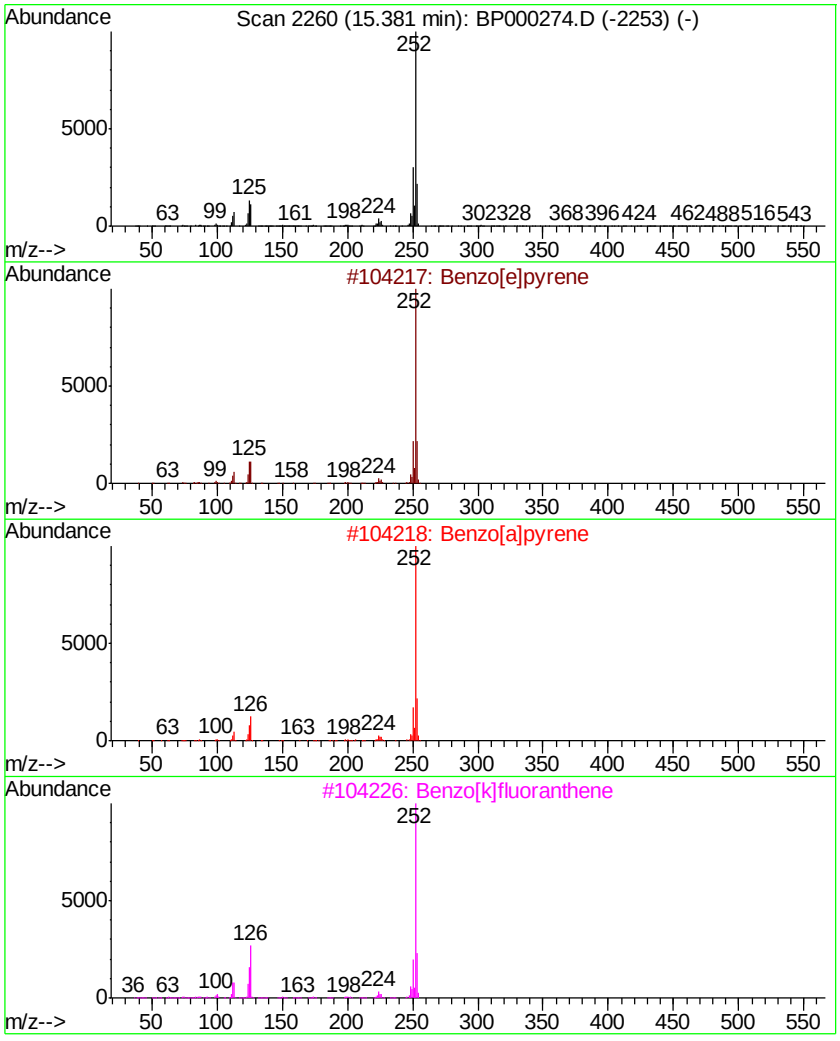
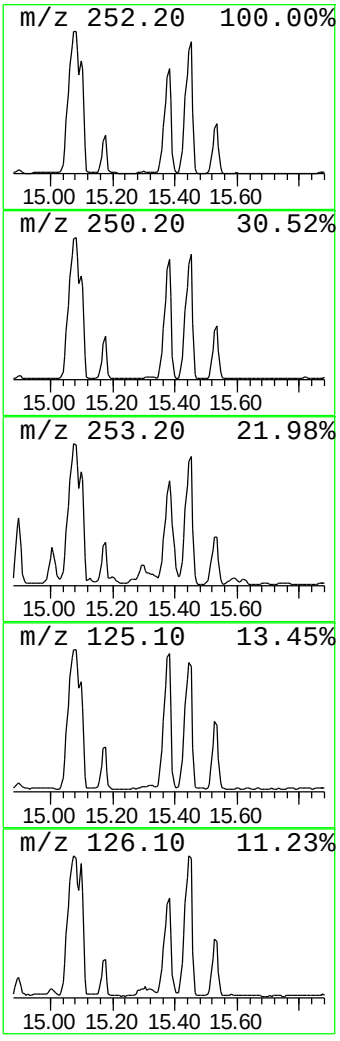
Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	89.18 ng	10964800	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	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Misc :
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Instrument : BNA_P
ClientSampleId : SB-10

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TIC Integration Parameters: LSCINT.P

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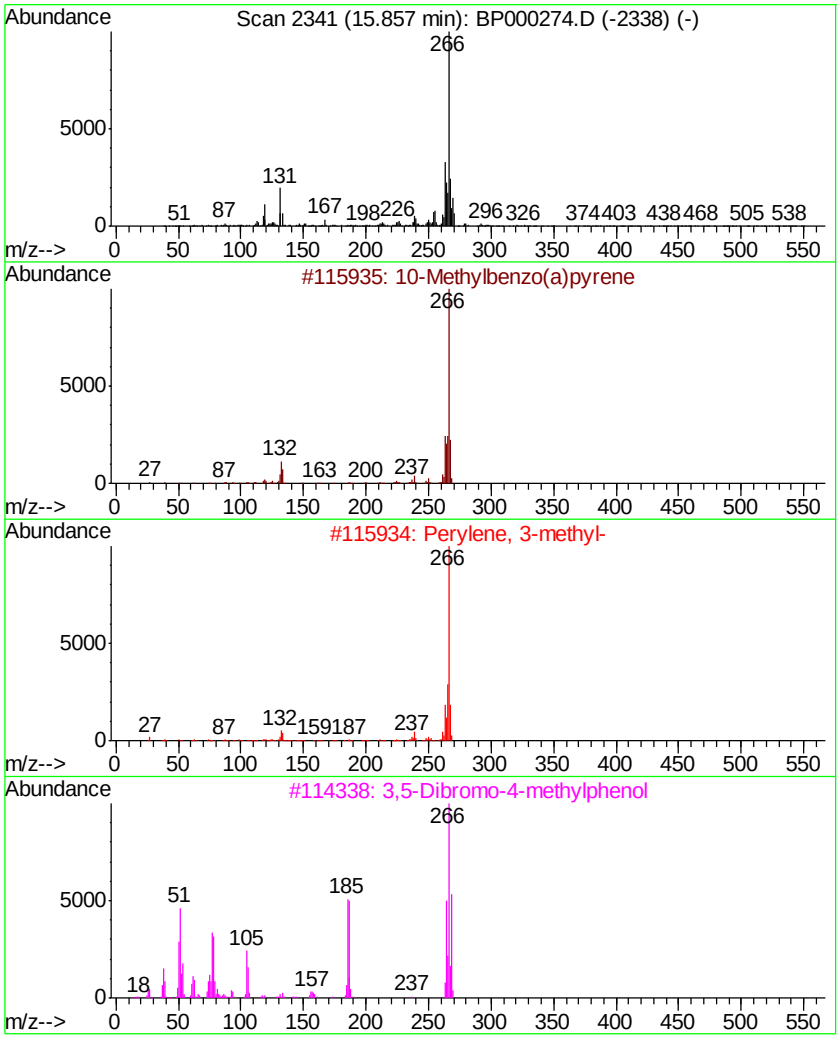
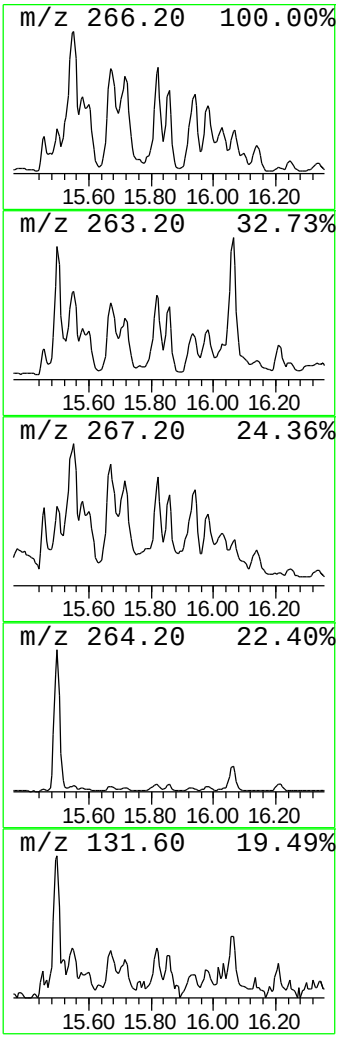
Peak Number 16 10-Methylbenzo(a)pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	7.40 ng	910137	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	55
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	53
3	3,5-Dibromo-4-methylphenol	264	C7H6Br2O	013979-81-2	49
4	Bis[4-amino-3-cyanophenyl]sulfide	266	C14H10N4S	061382-02-3	47
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	46





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Operator : HP/JU
Sample : K4918-09
Misc :
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Instrument : BNA_P
ClientSampleId : SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
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TIC Library : C:\DATABASE\NIST11.L
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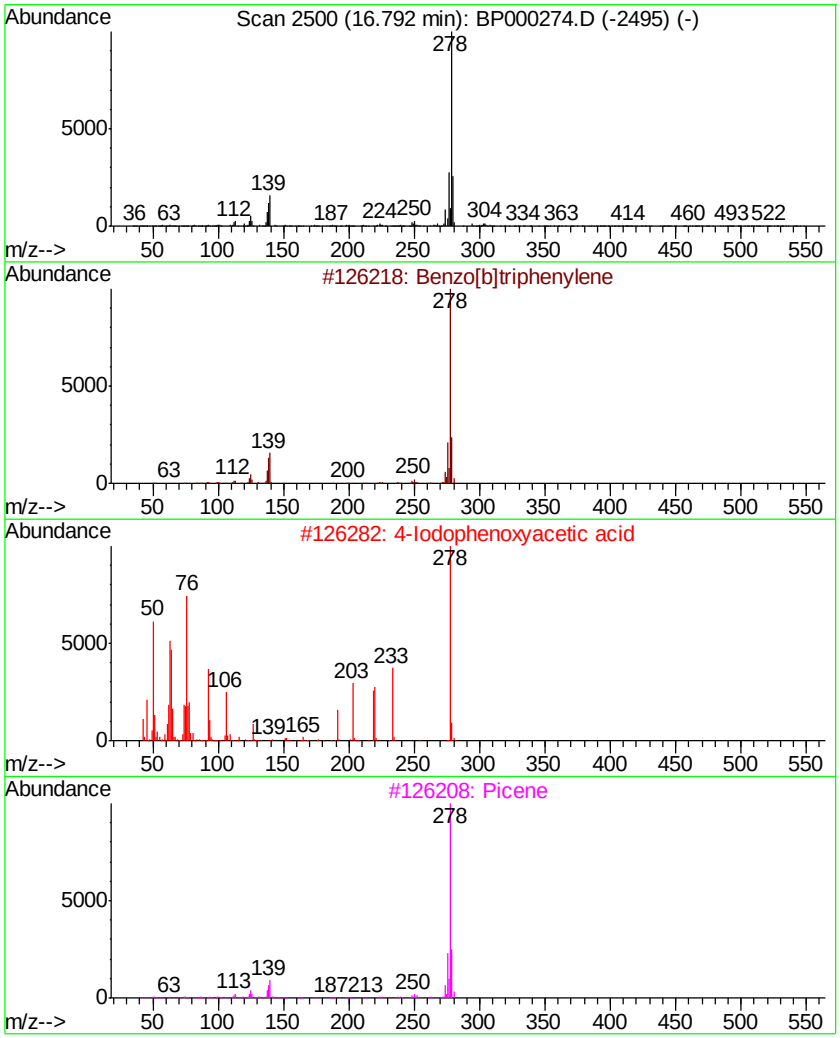
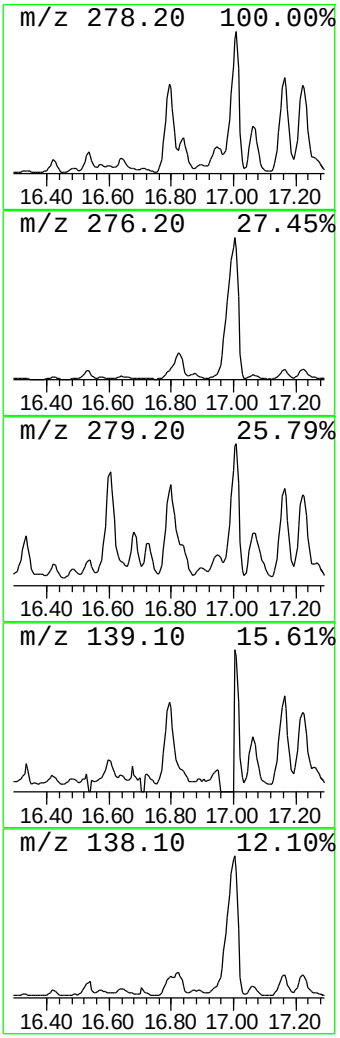
Peak Number 17 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	11.17 ng	1373250	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	4-Iodophenoxyacetic acid	278	C8H7IO3	001878-94-0	95
3	Picene	278	C22H14	000213-46-7	94
4	Pentaphene	278	C22H14	000222-93-5	93
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-10

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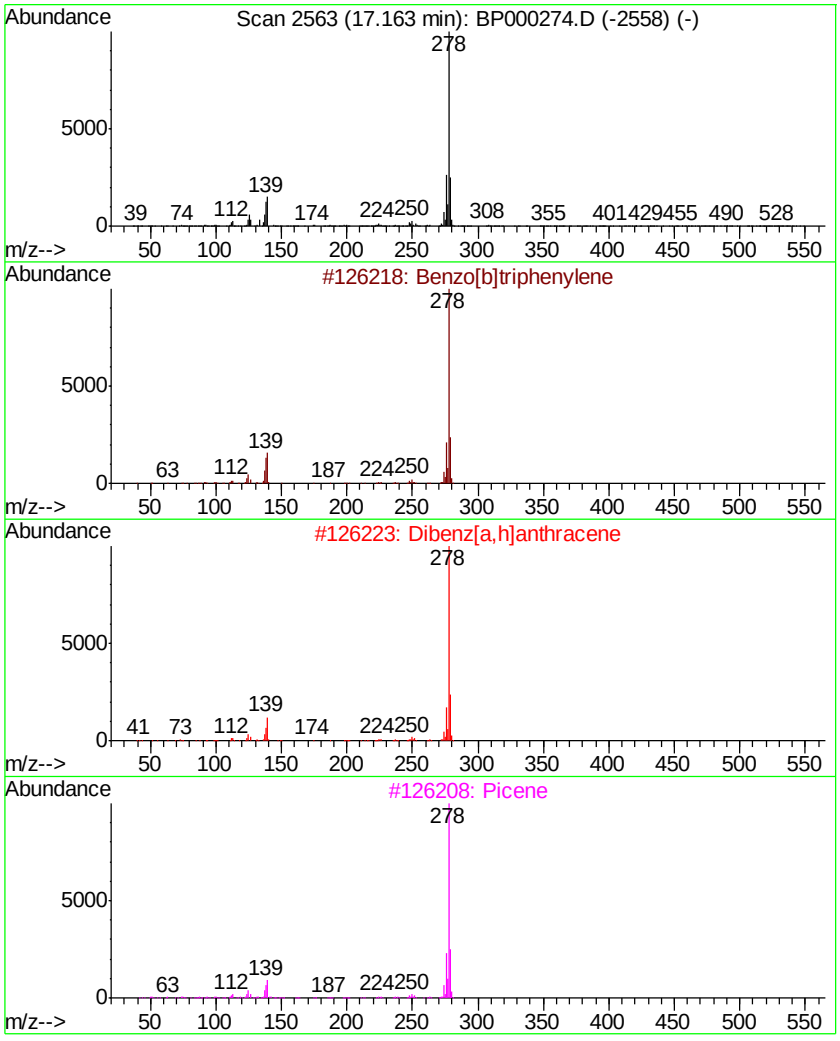
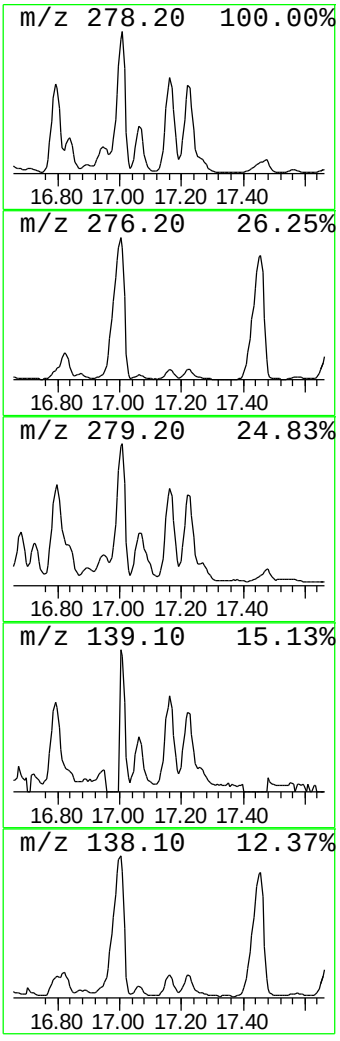
Peak Number 18 Picene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	10.37 ng	1275480	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Picene	278	C22H14	000213-46-7	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	98
5	Pentaphene	278	C22H14	000222-93-5	96





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Sample : K4918-09
Misc :
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Instrument : BNA_P
ClientSampleId : SB-10

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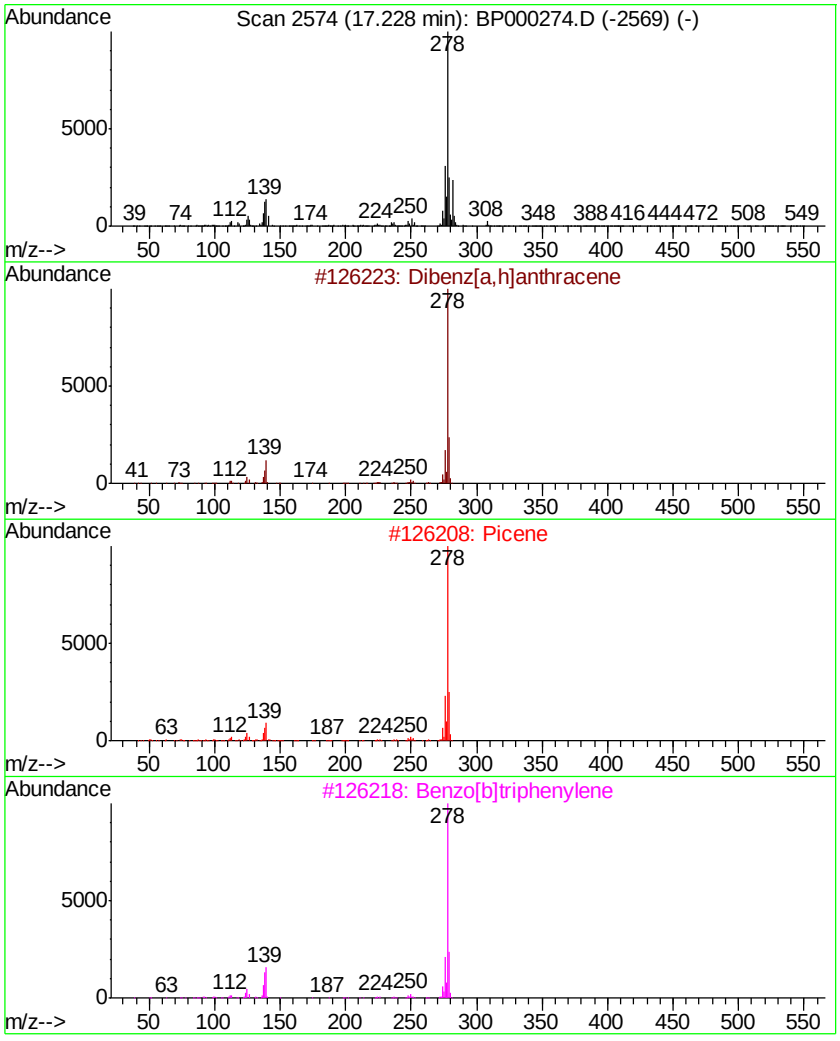
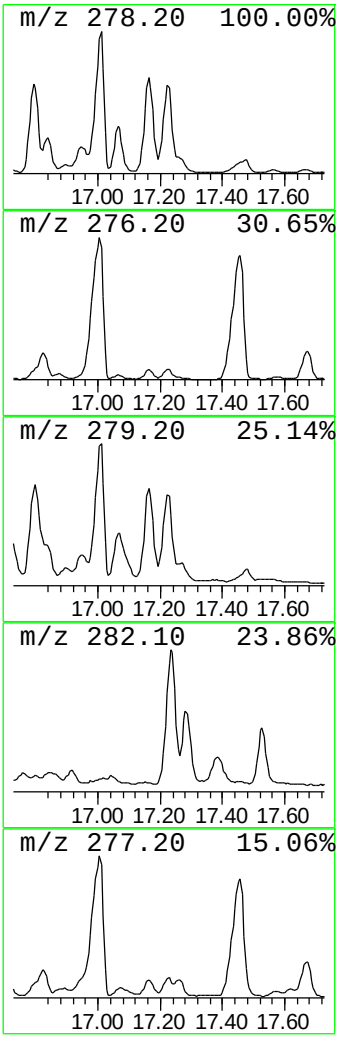
Peak Number 19 Pentaphene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	10.11 ng	1243320	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Picene	278	C22H14	000213-46-7	96
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	Pentaphene	278	C22H14	000222-93-5	95





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ClientSampleId : SB-10

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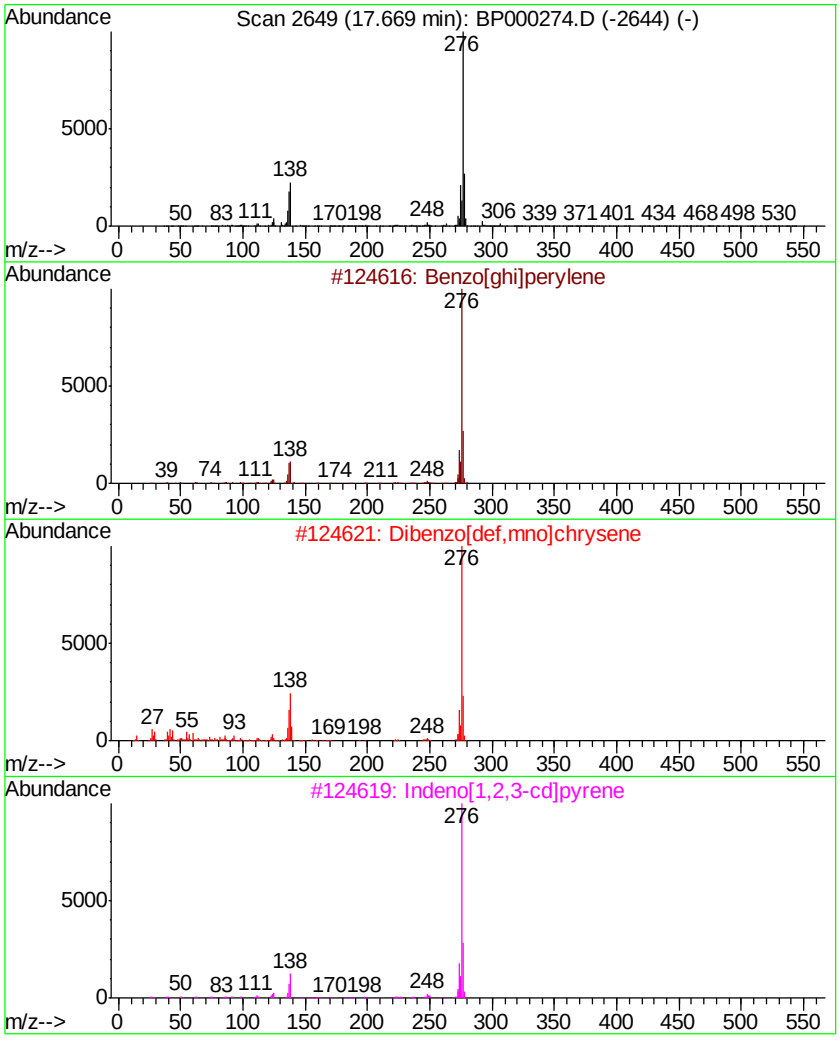
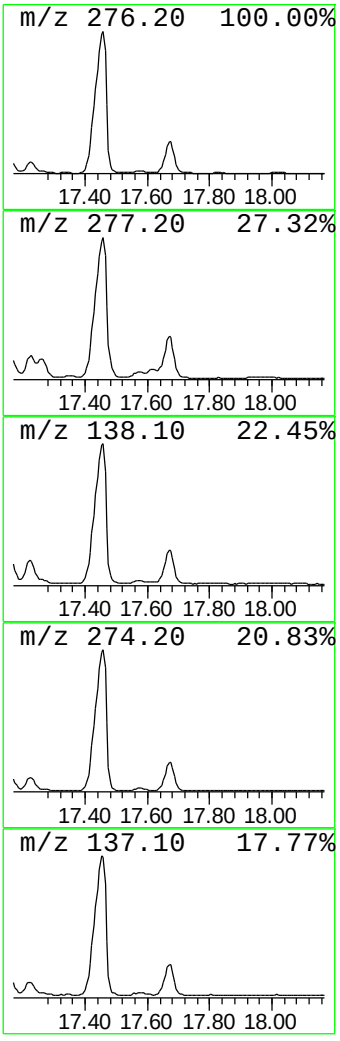
Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	8.81 ng	1082760	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52





Tentatively Identified Compound (LSC) summary

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ClientSampleId : SB-10

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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
unknown6.56	6.56	67.6	ng	6459170	1	6.79	1910850	20.0
Naphthalene, 2,3-...	9.49	7.9	ng	1029640	3	9.83	2609820	20.0
[1,1'-Biphenyl]-4...	10.54	9.1	ng	1189640	3	9.83	2609820	20.0
4H-Cyclopenta[def...	11.95	5.1	ng	7706900	4	11.33	29967500	20.0
Pyrene, 1-methyl-	13.02	4.9	ng	5396350	5	14.02	22073700	20.0
11H-Benzo[a]fluor...	13.64	5.3	ng	5888450	5	14.02	22073700	20.0
6H-Benz[de]anthra...	13.75	5.5	ng	6086930	5	14.02	22073700	20.0
7H-Benz[de]anthra...	13.85	4.9	ng	5437370	5	14.02	22073700	20.0
5,12-Dimethylbenz...	14.82	6.8	ng	832586	6	15.50	2458920	20.0
1,1'-Binaphthalene	14.89	19.0	ng	2331840	6	15.50	2458920	20.0
Benzo[e]pyrene	15.17	19.7	ng	2426940	6	15.50	2458920	20.0
Dinaphtho[1,2-b:1...	15.26	9.1	ng	1118890	6	15.50	2458920	20.0
Ferrocene, (trime...	15.32	9.1	ng	1115460	6	15.50	2458920	20.0
Perylene	15.38	89.2	ng	10964800	6	15.50	2458920	20.0
10-Methylbenzo(a)...	15.86	7.4	ng	910137	6	15.50	2458920	20.0
Benzo[b]triphenylene	16.79	11.2	ng	1373250	6	15.50	2458920	20.0
Picene	17.16	10.4	ng	1275480	6	15.50	2458920	20.0
Pentaphene	17.23	10.1	ng	1243320	6	15.50	2458920	20.0
Indeno[1,2,3-cd]f...	17.67	8.8	ng	1082760	6	15.50	2458920	20.0