LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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	5.422	563	567	586	rVB	3234339	2925528	48.78%	2.405%
2	6.434	734	739	749	rBV	3386154	3069136	51.17%	2.523%
3	6.563	757	761	765	rBV	3836380	3289089	54.84%	2.704%
4	6.793	796	800	803	rBV	1343316	1062216	17.71%	0.873%
5	6.946	823	826	830	rBV	3247800	2834899	47.27%	2.330%
6	7.346	890	894	897	rBV	2292779	1974888	32.93%	1.623%
7	8.075	1014	1018	1020	rBV	1533906	1375922	22.94%	1.131%
8	9.151	1197	1201	1204	rBV	5788222	4562990	76.08%	3.751%
9	9.493	1255	1259	1261	rBV	481893	463311	7.72%	0.381%
10	9.545	1265	1268	1275	rVB2	667738	752358	12.54%	0.618%
11	9.693	1289	1293	1296	rBV	1355491	1173253	19.56%	0.964%
12	9.834	1310	1317	1320	rBV	1927237	1802981	30.06%	1.482%
13	10.040	1347	1352	1355	rVV2	334501	373723	6.23%	0.307%
14	10.075	1355	1358	1361	rVB	323603	257940	4.30%	0.212%
15	10.151	1366	1371	1374	rBV2	321174	425981	7.10%	0.350%
16	10.245	1382	1387	1388	rBV2	201117	291801	4.87%	0.240%
17	10.381	1407	1410	1411	rBV2	325673	275063	4.59%	0.226%
18	10.492	1427	1429	1433	rVV2	225257	254222	4.24%	0.209%
19	10.622	1446	1451	1455	rVV	3138235	3056311	50.96%	2.512%
20	10.751	1469	1473	1479	rVB	403508	393903	6.57%	0.324%
21	10.934	1500	1504	1507	rVV3	321968	462071	7.70%	0.380%
22	10.963	1507	1509	1512	rVV	330195	298179	4.97%	0.245%
23	11.063	1521	1526	1528	rVV3	177527	269424	4.49%	0.221%
24	11.087	1528	1530	1532	rVV	287707	262424	4.38%	0.216%
25	11.128	1534	1537	1542	rVV2	373609	460319	7.67%	0.378%
26	11.222	1551	1553	1558	rVB	304041	309024	5.15%	0.254%
27	11.328	1567	1571	1573	rBV	2025282	1850483	30.85%	1.521%
28	11.351	1573	1575	1579	rVV	4164939	3340746	55.70%	2.746%
29	11.404	1580	1584	1586	rVB	948465	835556	13.93%	0.687%
30	11.439	1586	1590	1593	rBV3	265901	339579	5.66%	0.279%
31	11.663	1624	1628	1631	rVB	589470	522603	8.71%	0.430%
32	11.745	1640	1642	1646	rVB	281165	259054	4.32%	0.213%
33	11.787	1646	1649	1652	rBV	270136	264605	4.41%	0.218%
34	11.834	1654	1657	1660	rBV	1922686	1732063	28.88%	1.424%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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	11.863	1660	1662	1667	rVB	2540084	2041979	34.05%	1.679%
36	11.910	1667	1670	1672	rBV	644691	512657	8.55%	0.421%
37	11.945	1672	1676	1678	rBV	2330607	2239174	37.33%	1.841%
38	11.969	1678	1680	1685	rVB	1766366	1456904	24.29%	1.198%
39	12.069	1695	1697	1700	rVB	318139	251285	4.19%	0.207%
40	12.134	1702	1708	1710	rBV2	913600	1015986	16.94%	0.835%
41	12.151	1710	1711	1718	rVB2	717239	807906	13.47%	0.664%
42	12.263	1728	1730	1732	rBV	301837	320875	5.35%	0.264%
43	12.287	1732	1734	1736	rVV2	580205	531834	8.87%	0.437%
44	12.316	1736	1739	1741	rVV	785678	675487	11.26%	0.555%
45	12.339	1741	1743	1746	rVB	549928	413425	6.89%	0.340%
46	12.392	1746	1752	1755	rBV	2076658	2302552	38.39%	1.893%
47	12.428	1755	1758	1760	rVV2	1068386	1271803	21.20%	1.045%
48	12.445	1760	1761	1764	rVB	589712	445939	7.44%	0.367%
49	12.475	1764	1766	1771	rBV2	952105	1145744	19.10%	0.942%
50	12.557	1774	1780	1783	rVB	5023926	4538903	75.68%	3.731%
51	12.598	1783	1787	1789	rBV	415927	397946	6.63%	0.327%
52	12.616	1789	1790	1793	rVB2	368423	301504	5.03%	0.248%
53	12.645	1793	1795	1798	rVB	540373	459478	7.66%	0.378%
54	12.686	1798	1802	1804	rBV2	419754	446056	7.44%	0.367%
55	12.786	1813	1819	1822	rBV	5730784	5997714	100.00%	4.930%
56	12.845	1825	1829	1832	rVB2	678837	785382	13.09%	0.646%
57	12.904	1836	1839	1840	rVV	364543	302402	5.04%	0.249%
58	12.928	1840	1843	1851	rVB	5203134	5641830	94.07%	4.638%
59	13.004	1853	1856	1860	rBV2	1044570	1418911	23.66%	1.166%
60	13.063	1863	1866	1868	rBV2	373948	335211	5.59%	0.276%
61	13.092	1868	1871	1873	rBV3	795356	1012698	16.88%	0.832%
62	13.116	1873	1875	1878	rVB	1466012	1224645	20.42%	1.007%
63	13.181	1878	1886	1889	rBV3	744630	1291399	21.53%	1.062%
64	13.222	1890	1893	1896	rVV	1525429	1261719	21.04%	1.037%
65	13.286	1901	1904	1906	rBV2	279978	290571	4.84%	0.239%
66	13.316	1906	1909	1911	rVV	1357656	1045629	17.43%	0.860%
67	13.345	1911	1914	1917	rVB	1409689	1184244	19.74%	0.973%
68	13.434	1926	1929	1933	rVB3	260709	317632	5.30%	0.261%
69	13.522	1941	1944	1946	rVV3	280898	332685	5.55%	0.273%
70	13.628	1959	1962	1967	rVB	978901	1160474	19.35%	0.954%
71	13.692	1971	1973	1976	rVB	387944	312280	5.21%	0.257%

LSC Area Percent Report

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Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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

72	13.733	1976	1980	1984	rBV3	861228	1325199	22.10%	1.089%
73	13.769	1984	1986	1988	rVB	575827	434154	7.24%	0.357%
74	13.792	1988	1990	1994	rBV2	376898	415950	6.94%	0.342%
75	13.839	1995	1998	2002	rVB2	859836	1057387	17.63%	0.869%
76	13.986	2017	2023	2027	rBV2	3522496	5443211	90.75%	4.474%
77	14.022	2027	2029	2035	rVB	3142418	2842400	47.39%	2.336%
78	14.081	2037	2039	2044	rBV3	378224	499242	8.32%	0.410%
79	14.139	2047	2049	2051	rBV	293131	259962	4.33%	0.214%
80	14.257	2066	2069	2071	rVB2	322589	297243	4.96%	0.244%
81	14.322	2076	2080	2082	rBV3	234156	294243	4.91%	0.242%
82	14.351	2082	2085	2087	rBV	356784	357140	5.95%	0.294%
83	14.386	2087	2091	2094	rBV	1272428	1338893	22.32%	1.101%
84	14.422	2094	2097	2100	rVB	984528	831561	13.86%	0.684%
85	14.457	2101	2103	2105	rBV2	349169	364700	6.08%	0.300%
86	14.480	2105	2107	2110	rVB3	441442	423817	7.07%	0.348%
87	14.516	2110	2113	2115	rBV	710633	638587	10.65%	0.525%
88	14.728	2146	2149	2155	rVB5	267233	480216	8.01%	0.395%
89	14.780	2156	2158	2160	rBV	276188	271831	4.53%	0.223%
90	14.863	2169	2172	2175	rBV2	246056	408671	6.81%	0.336%
91	15.051	2199	2204	2207	rBV2	2068305	3328407	55.49%	2.736%
92	15.157	2219	2222	2229	rVB	583112	724433	12.08%	0.595%
93	15.357	2251	2256	2262	rVB	1431810	1977155	32.97%	1.625%
94	15.416	2262	2266	2272	rVB	2017493	2593711	43.24%	2.132%
95	15.480	2273	2277	2280	rVV	1437426	1811883	30.21%	1.489%
96	15.510	2280	2282	2290	rVB2	514420	917734	15.30%	0.754%
97	15.845	2336	2339	2346	rVB	305093	442157	7.37%	0.363%
98	15.969	2356	2360	2365	rBV	392379	652306	10.88%	0.536%
99	16.969	2525	2530	2538	rVB2	987472	1945214	32.43%	1.599%
100	17.422	2600	2607	2617	rVB	929877	1962417	32.72%	1.613%

Sum of corrected areas: 121654332

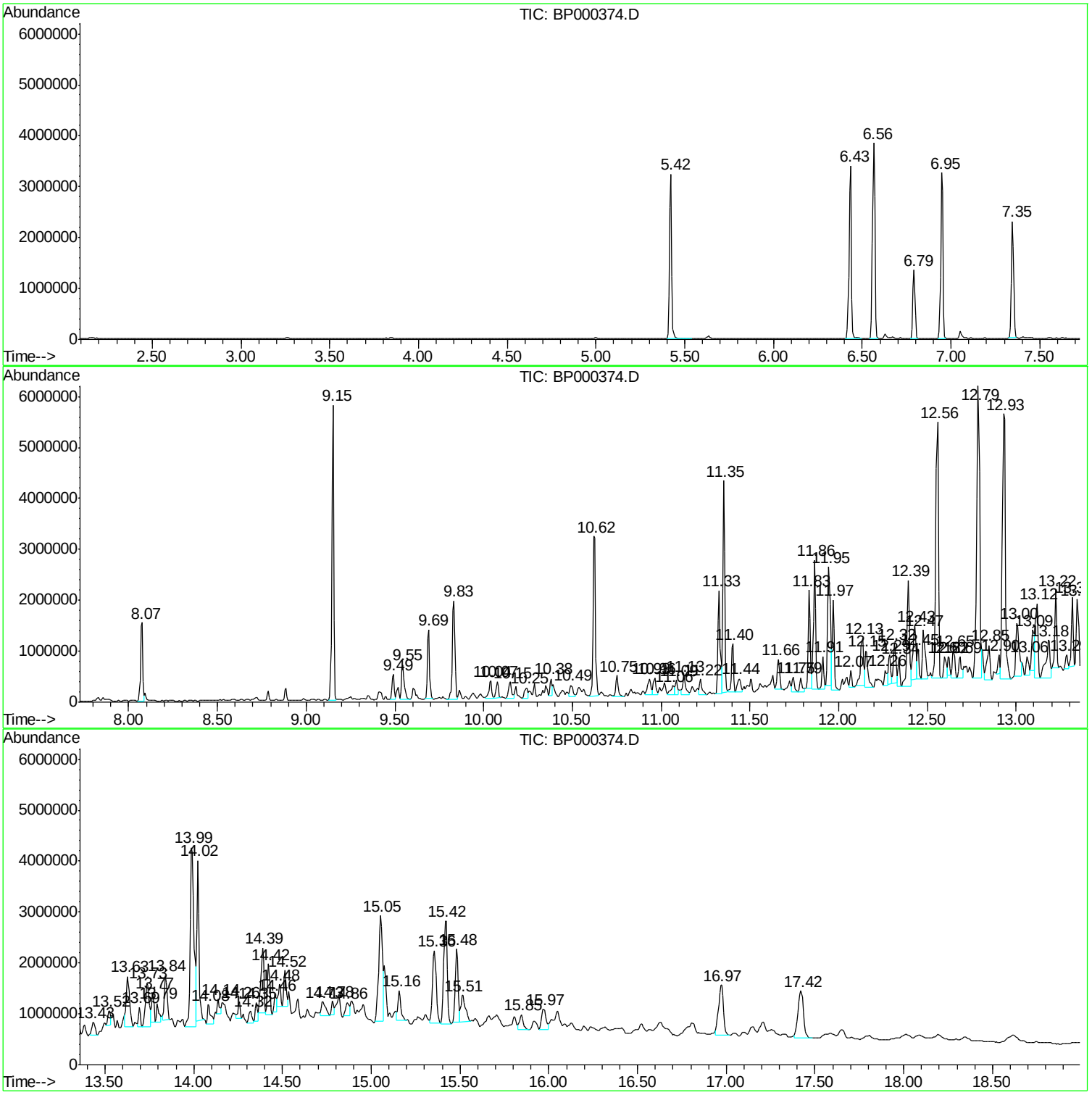
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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

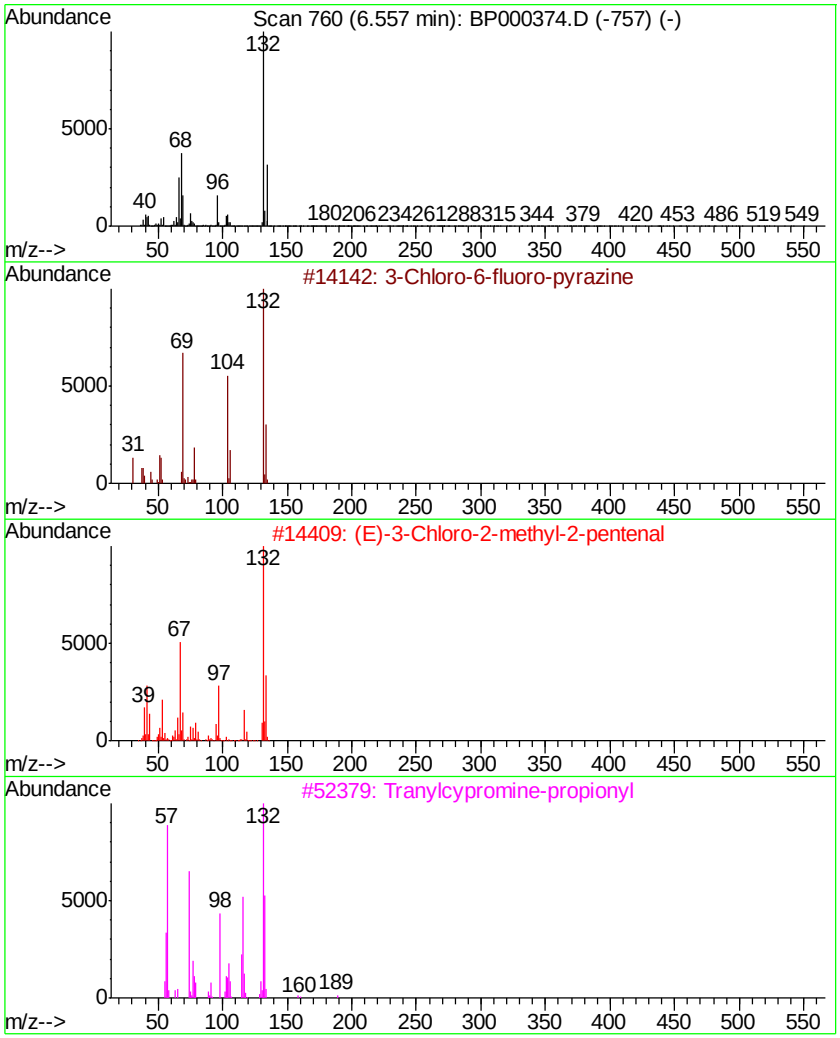
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

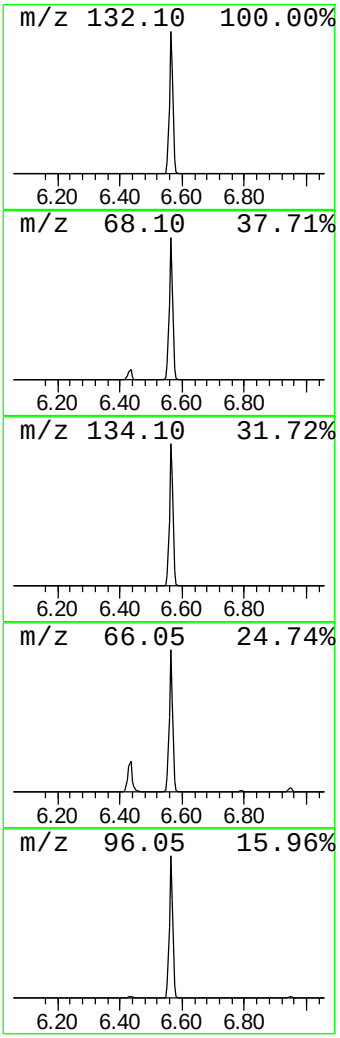
****

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	61.93 ng	3289090	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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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

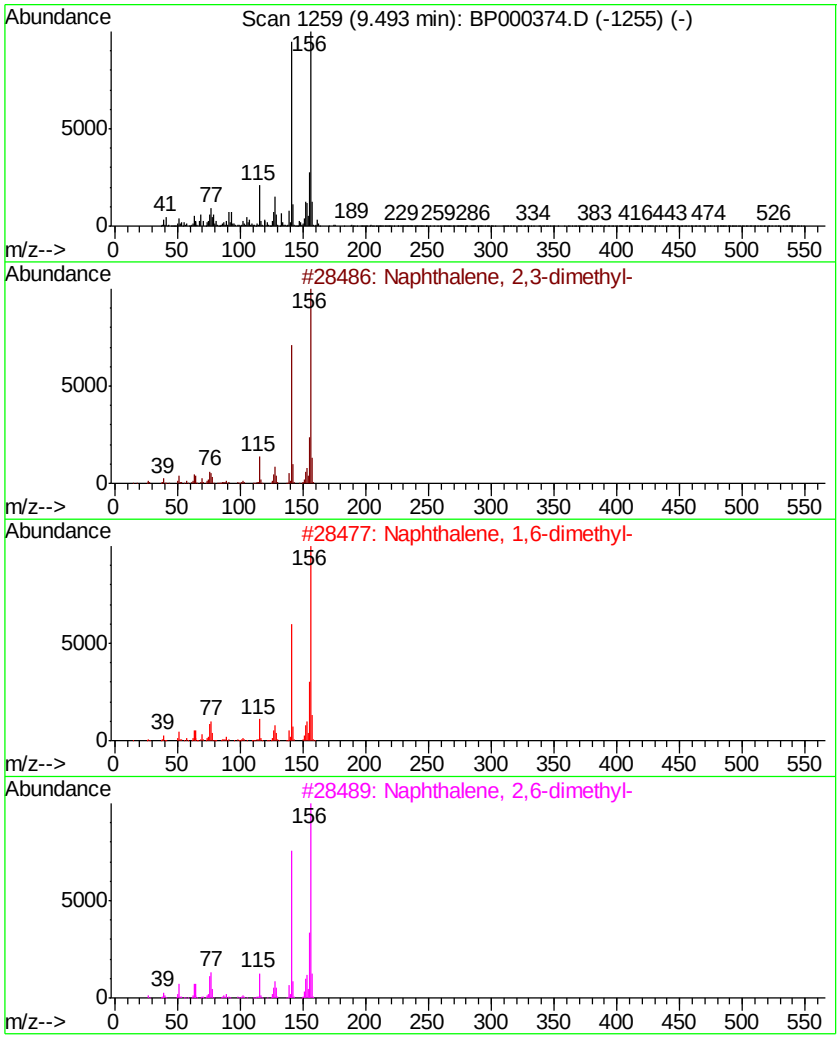
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

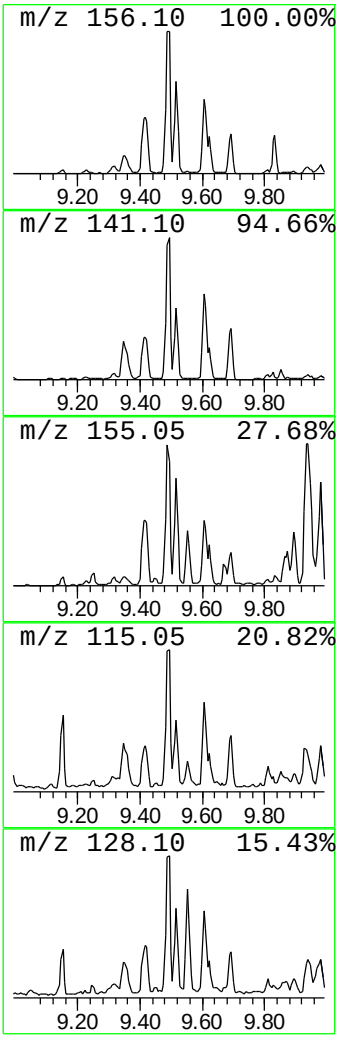
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	5.14 ng	463311	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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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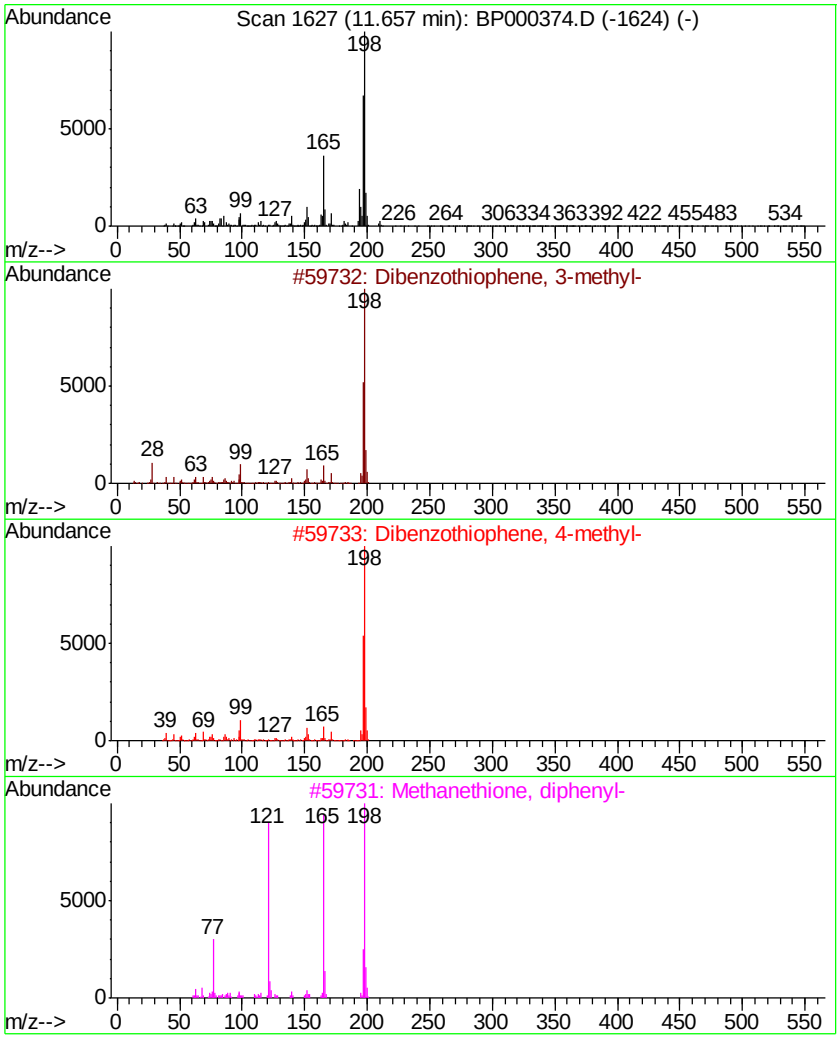
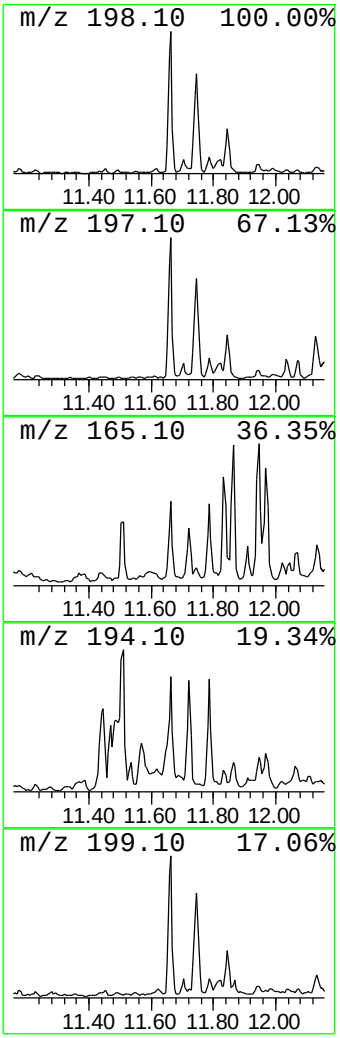
Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	5.65 ng	522603	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
3	Methanethione, diphenyl-	198	C13H10S	001450-31-3	53
4	Tacrine	198	C13H14N2	000321-64-2	52
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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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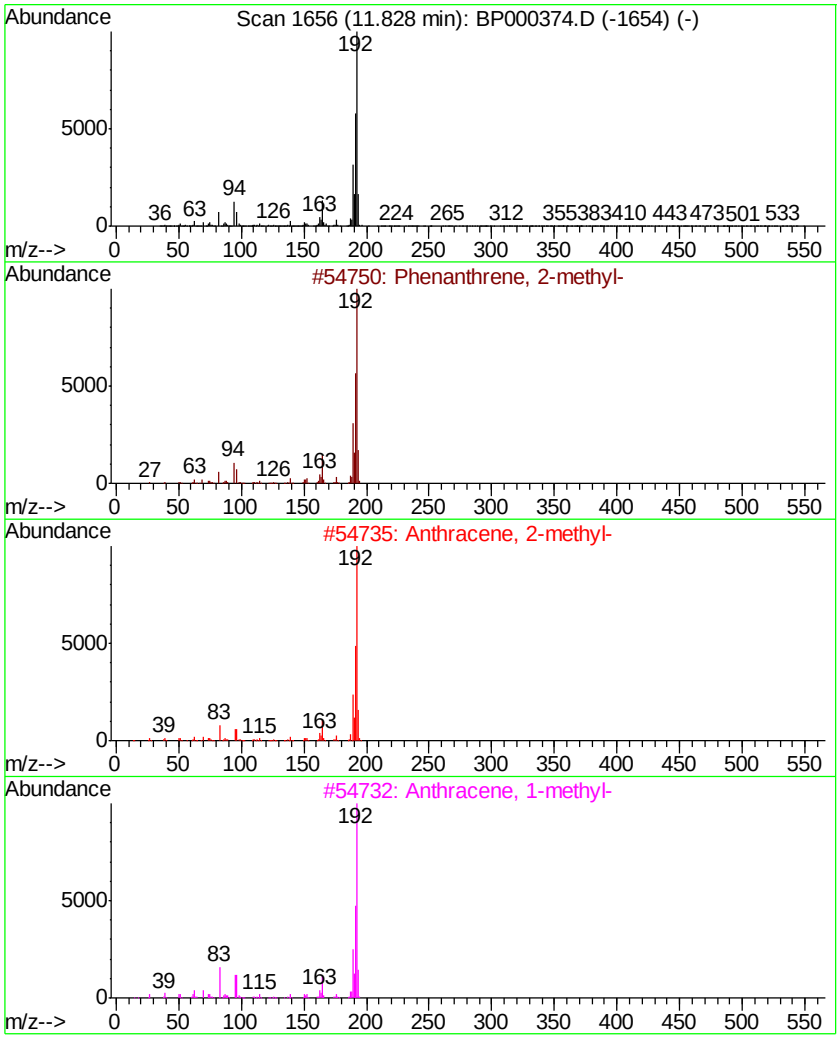
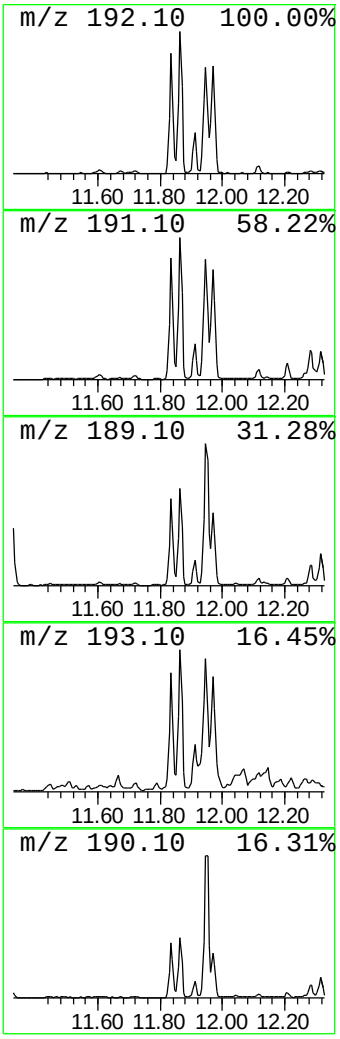
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	18.72 ng	1732060	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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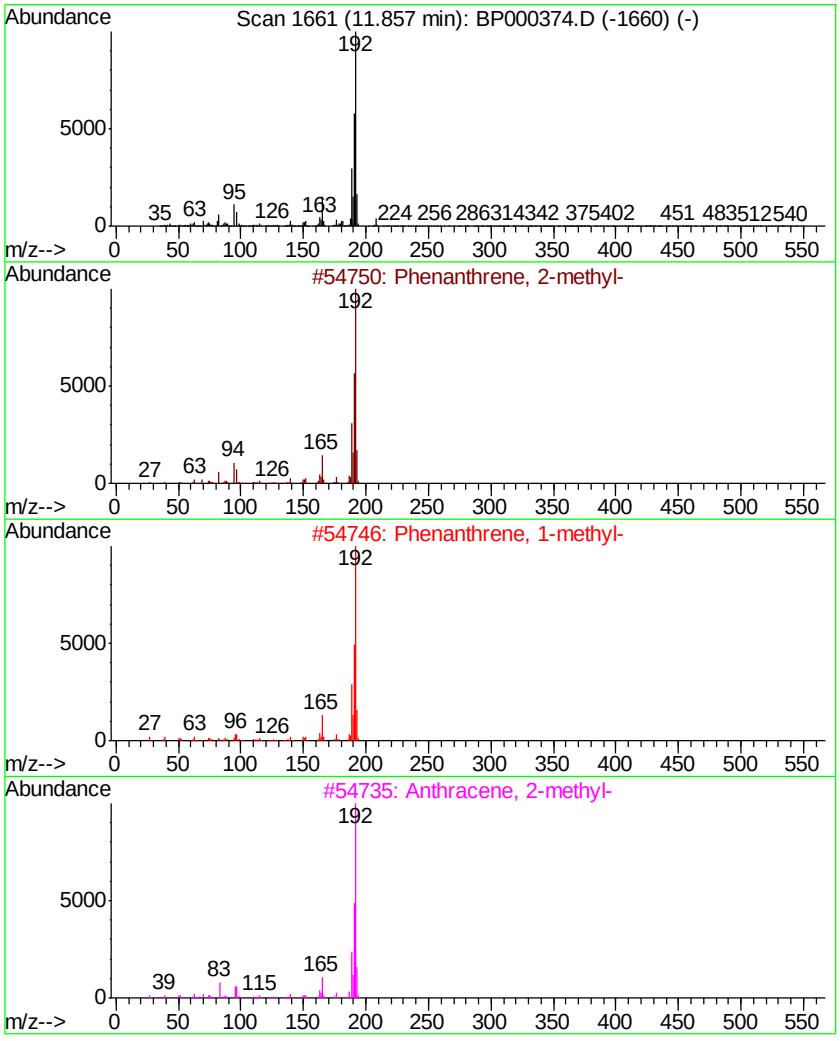
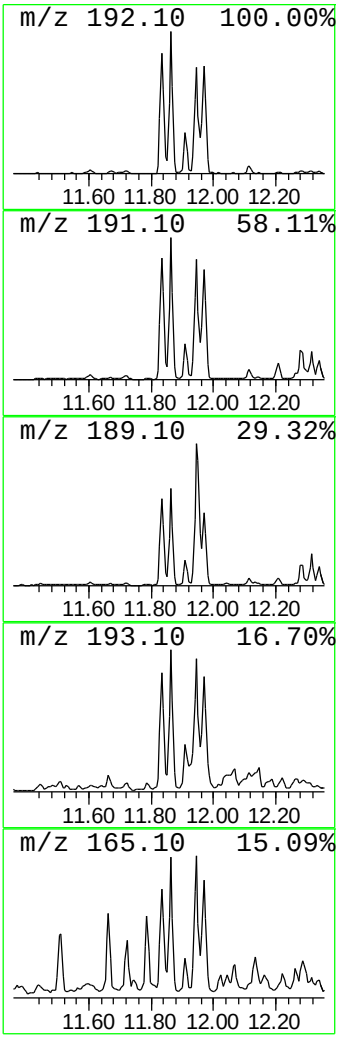
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	22.07 ng	2041980	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : HP/JU
Sample : K4997-01
Misc :
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ClientSampleId : WC-08-091919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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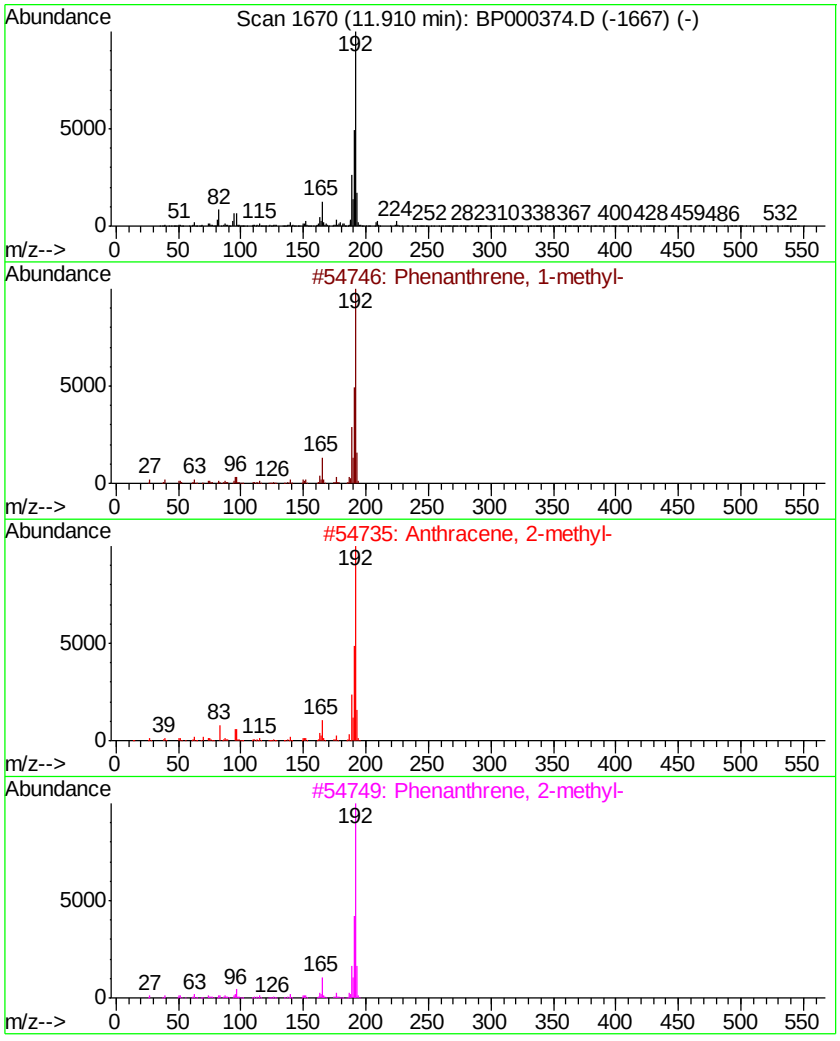
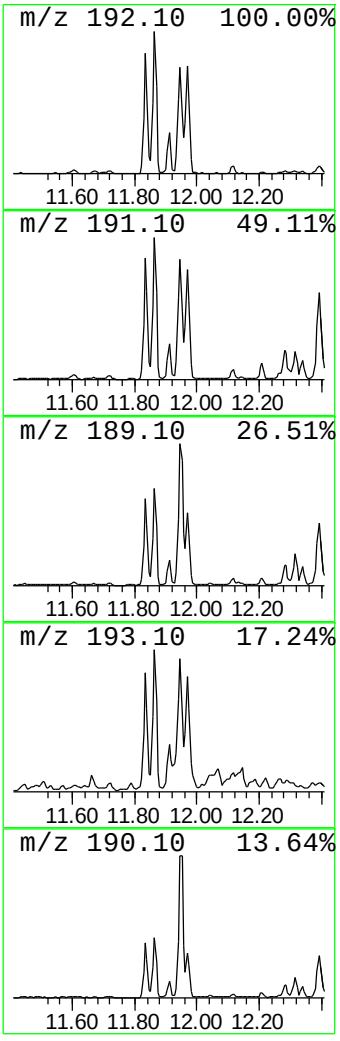
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	5.54 ng	512657	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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ClientSampleId : WC-08-091919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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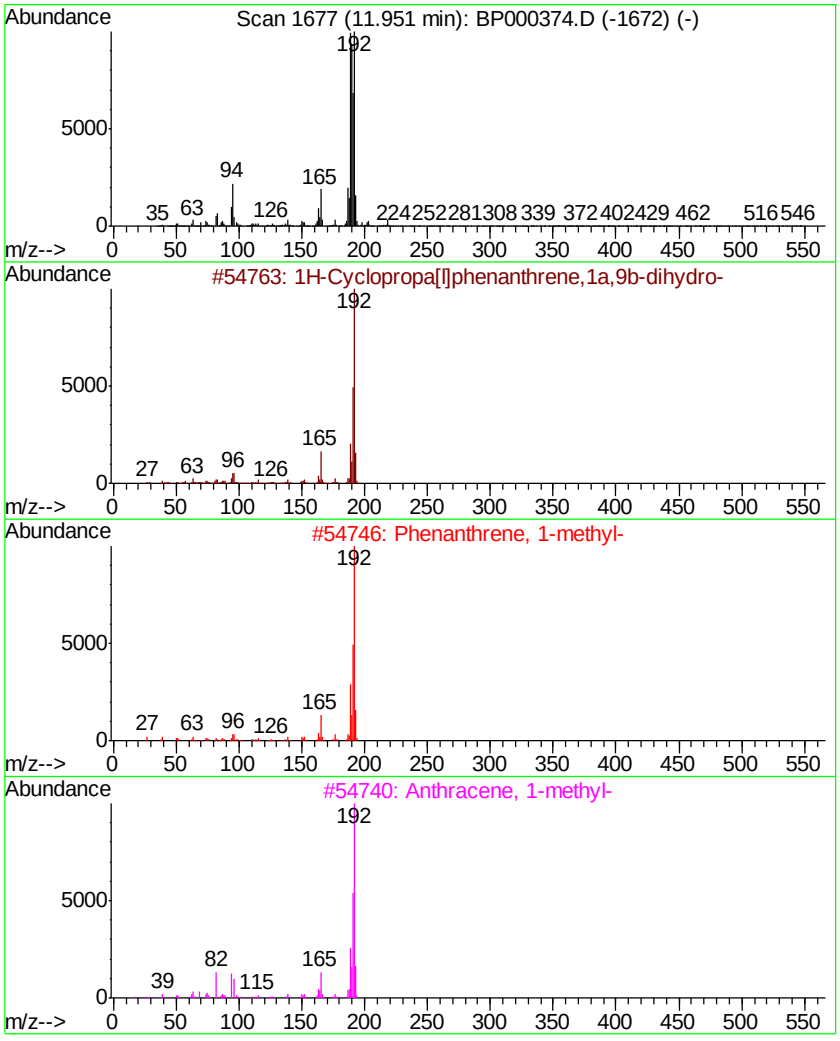
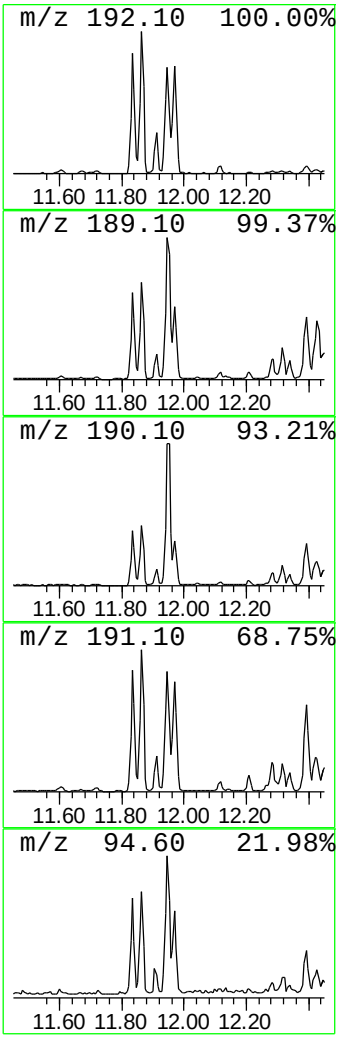
Peak Number 8 Naphtho[2,3-b]norbornadiene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	24.20 ng	2239170	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64





Library Search Compound Report

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Instrument : BNA_P
ClientSampleId : WC-08-091919

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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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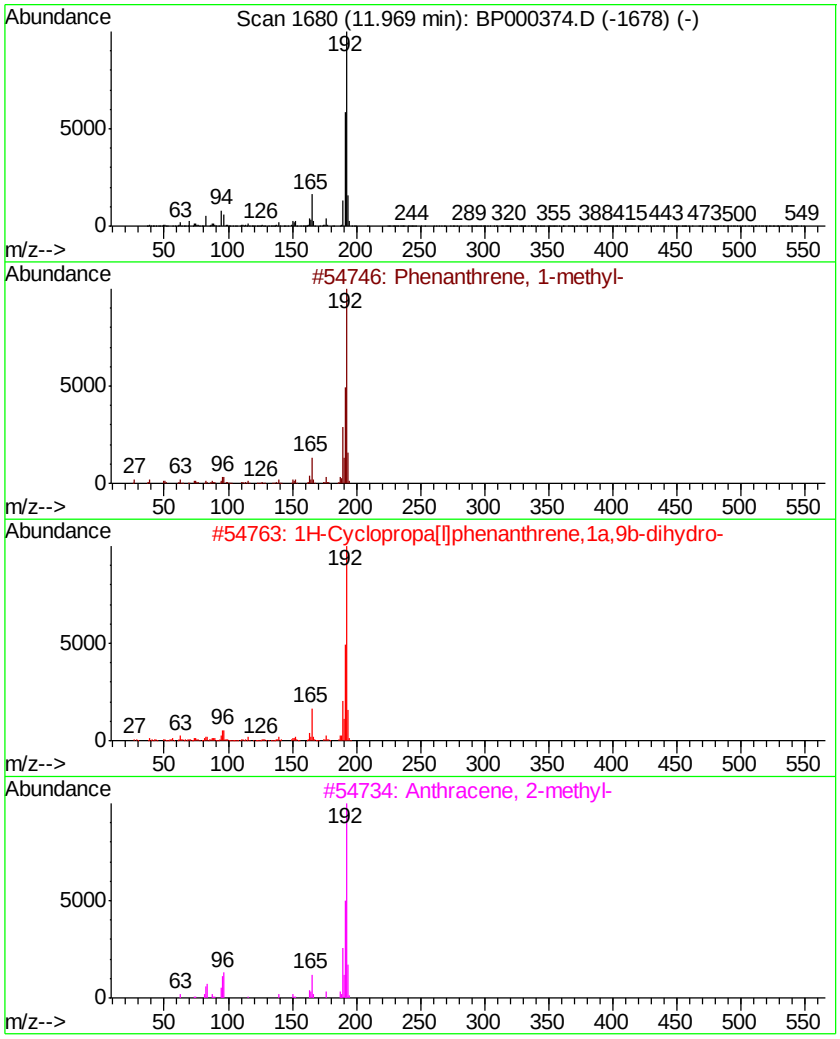
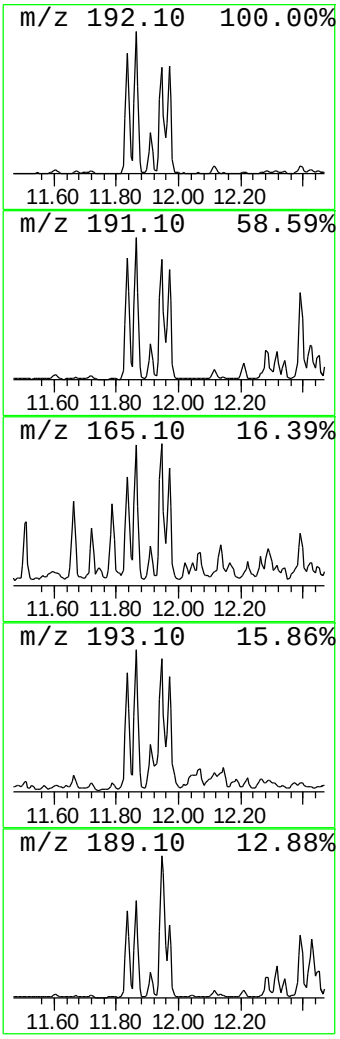
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	15.75 ng	1456900	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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ClientSampleId : WC-08-091919

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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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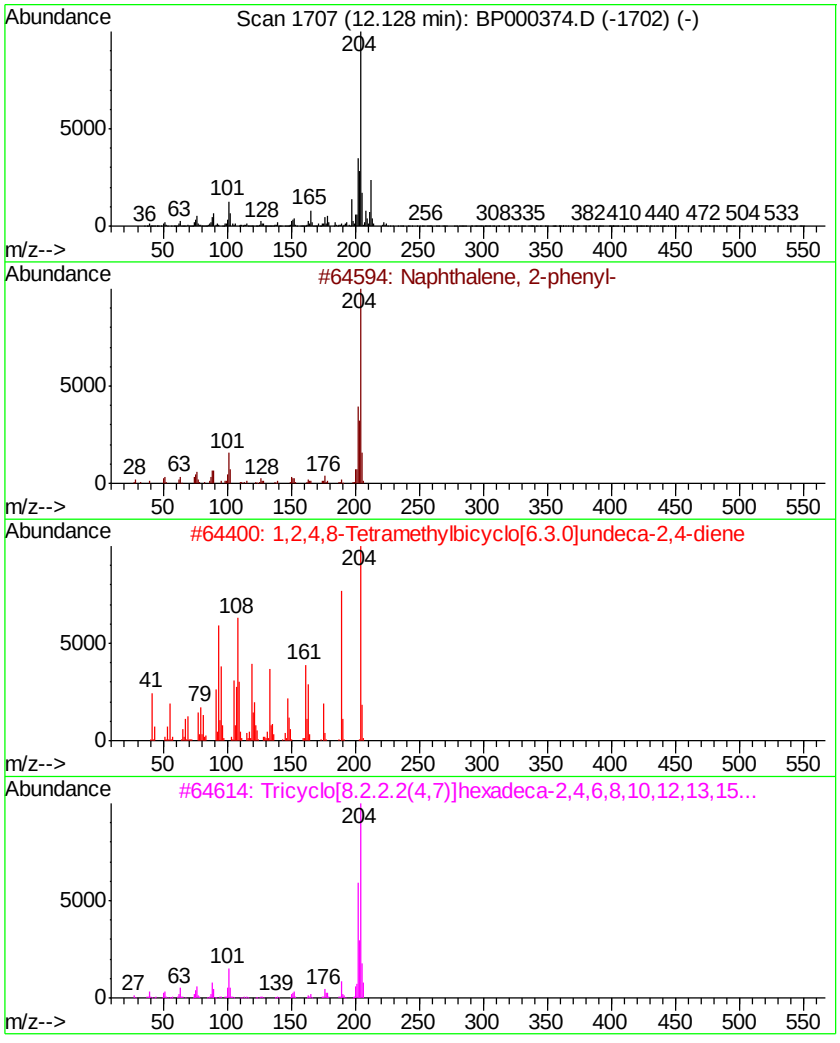
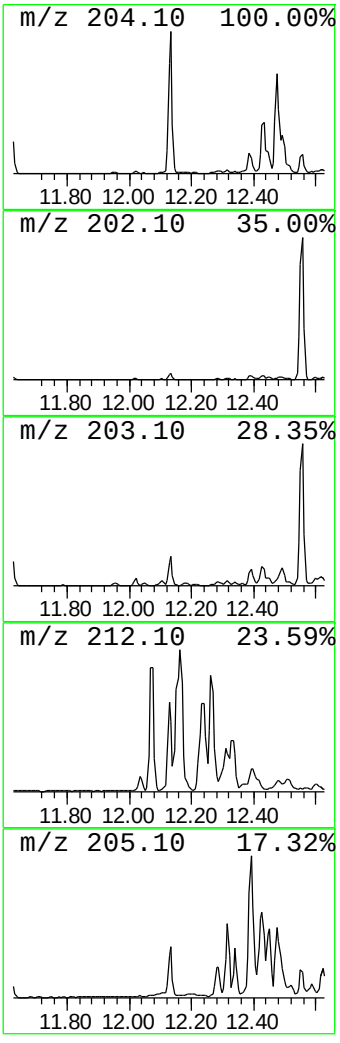
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	10.98 ng	1015990	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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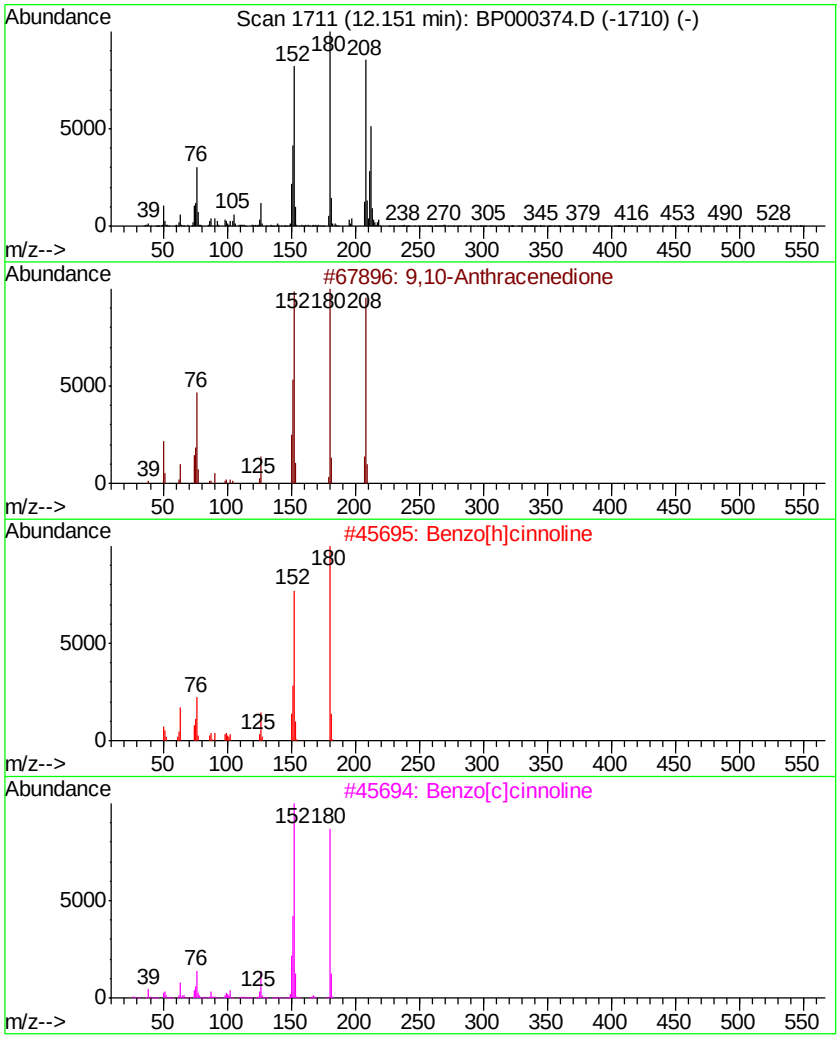
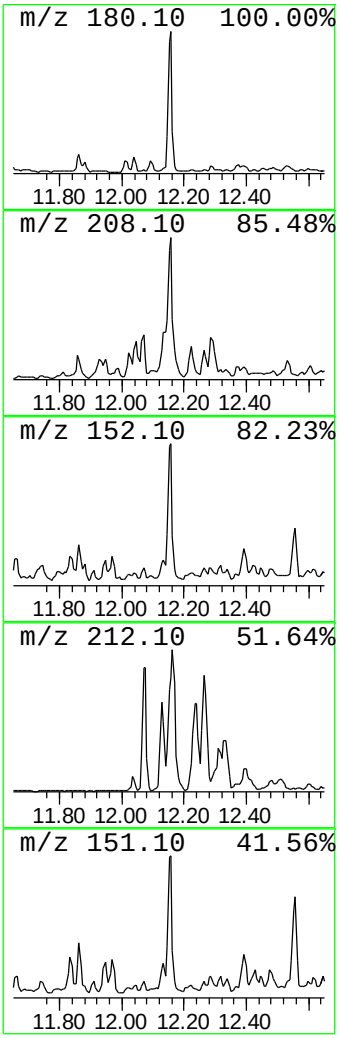
Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	8.73 ng	807906	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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ClientSampleId : WC-08-091919

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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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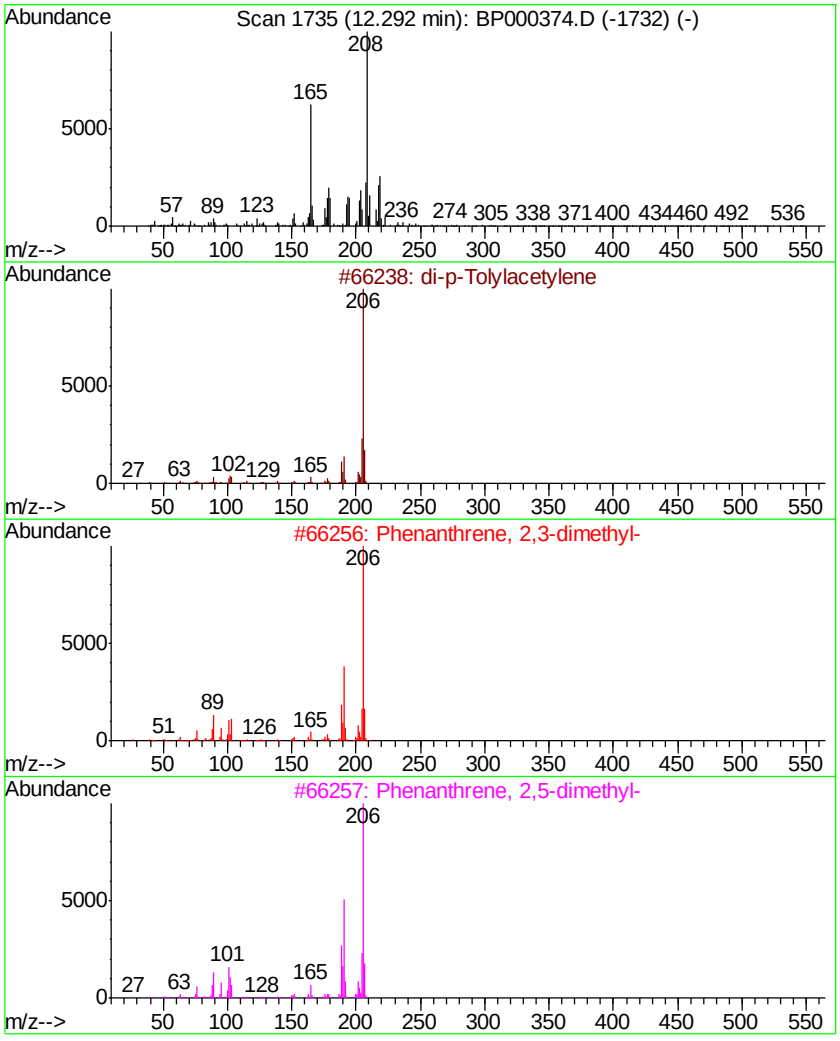
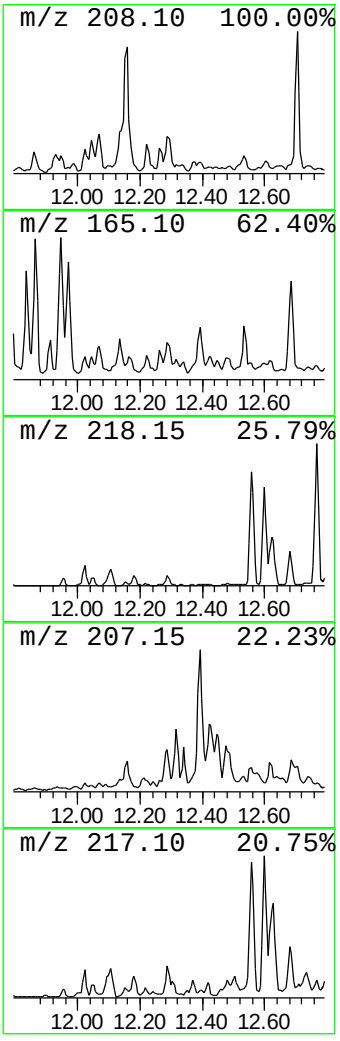
Peak Number 12 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.75 ng	531834	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	74





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ClientSampleId : WC-08-091919

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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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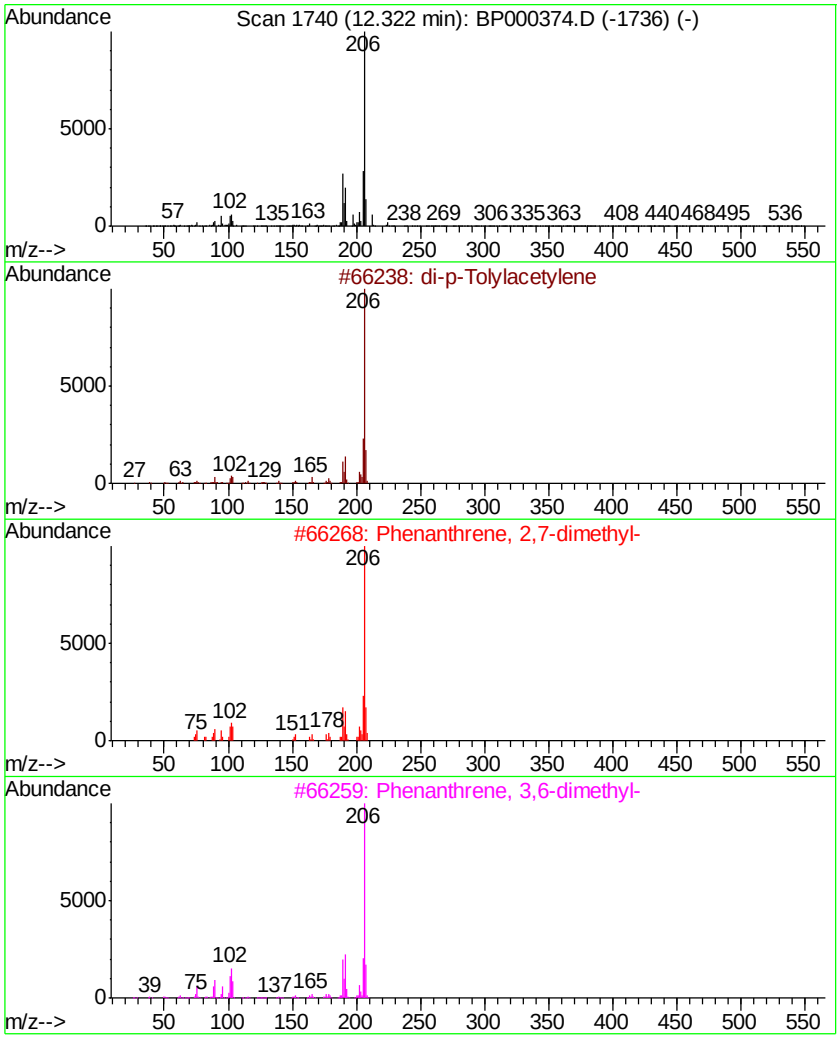
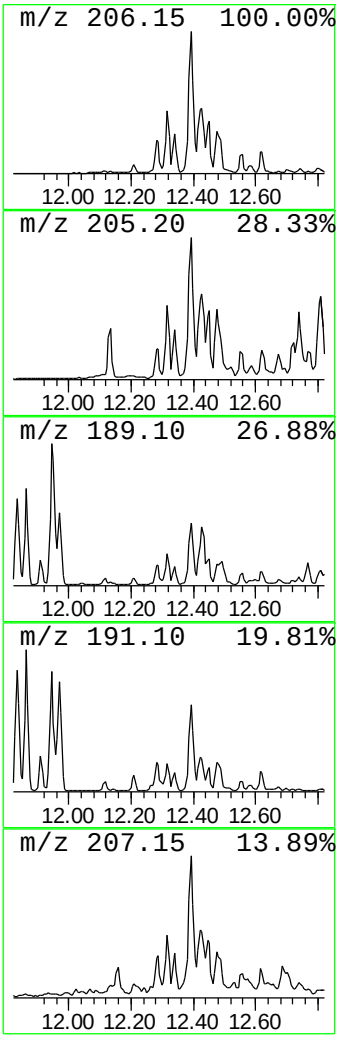
Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	7.30 ng	675487	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72





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Misc :
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Instrument : BNA_P
ClientSampleId : WC-08-091919

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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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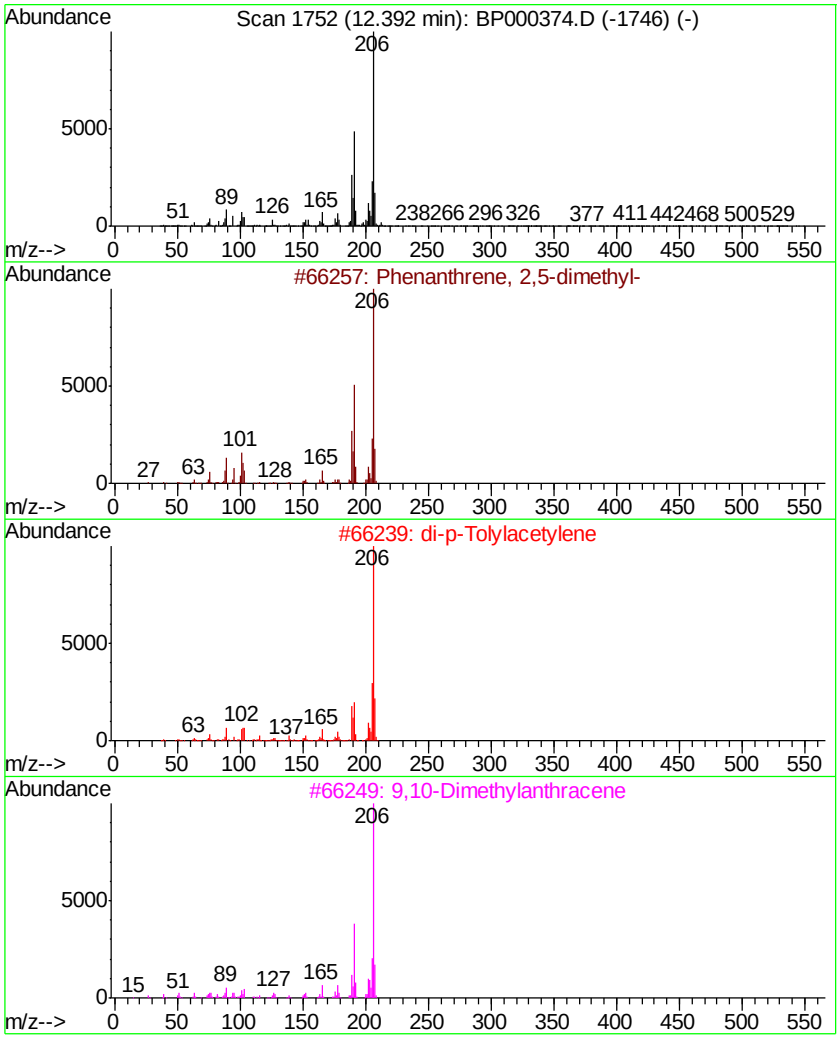
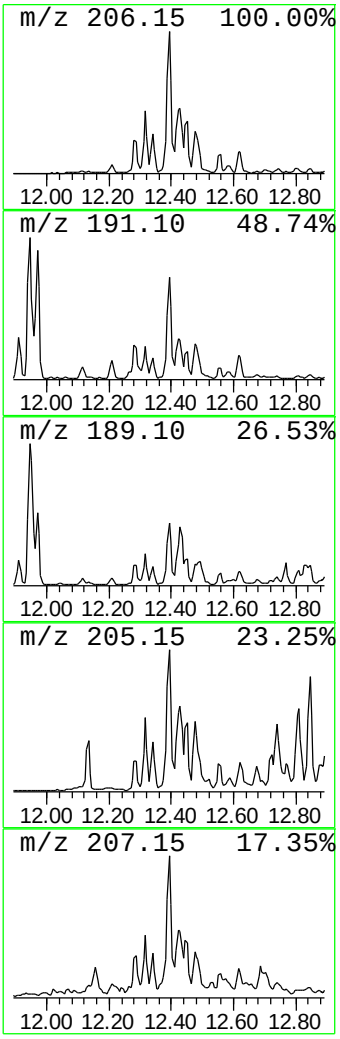
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	24.89 ng	2302550	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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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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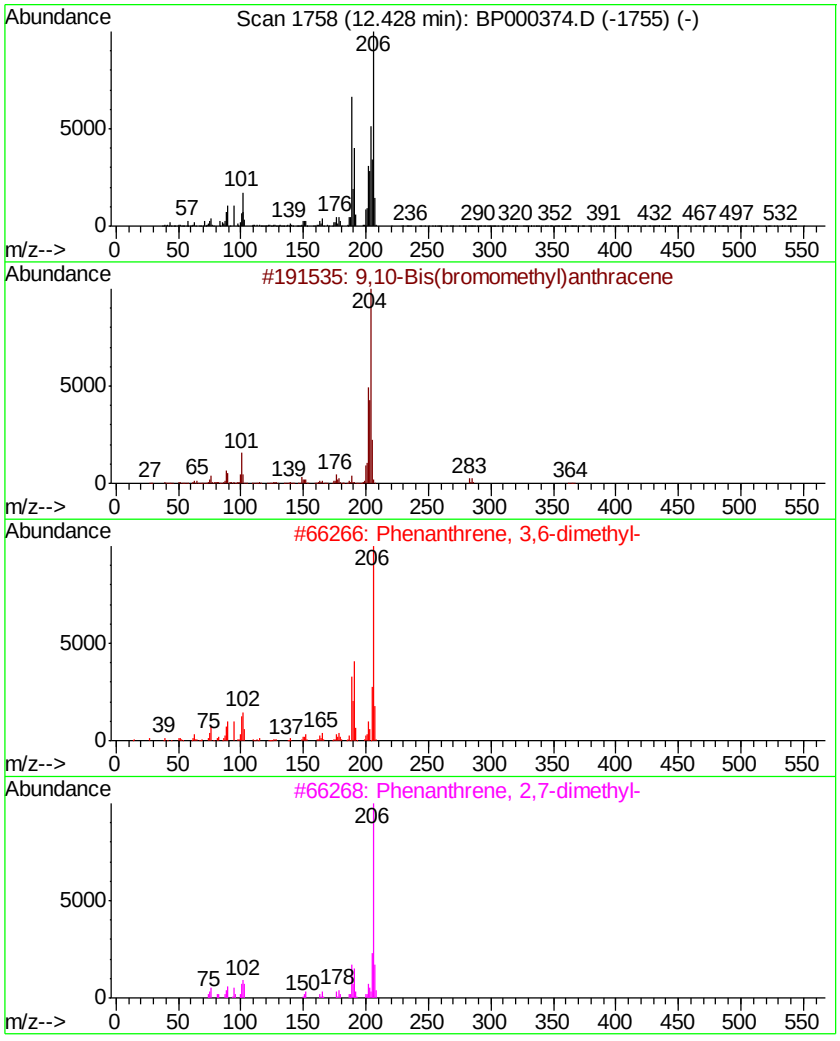
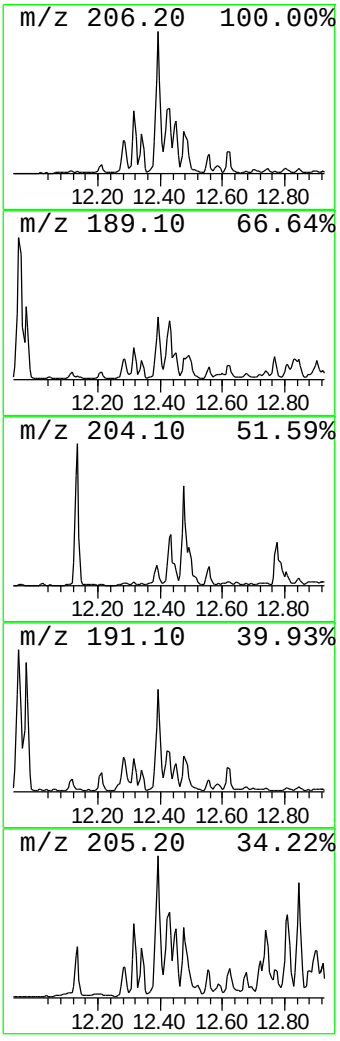
Peak Number 15 9,10-Bis(bromomethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	13.75 ng	1271800	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	92
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	62
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	49





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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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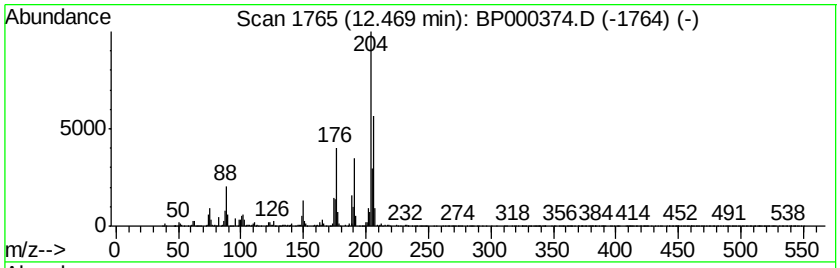
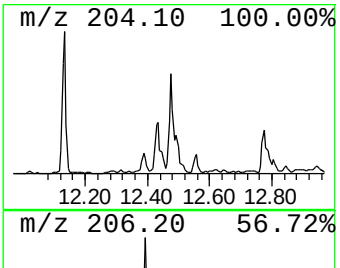
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	12.38 ng	1145740	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	50
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	50
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46





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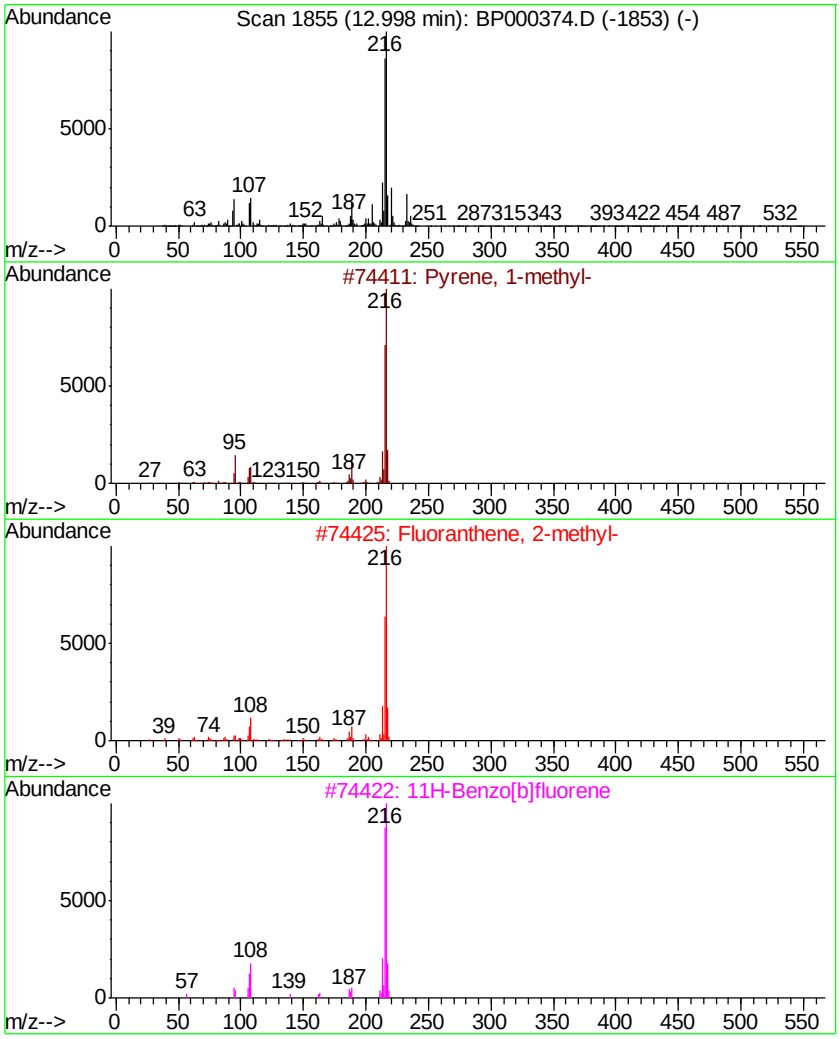
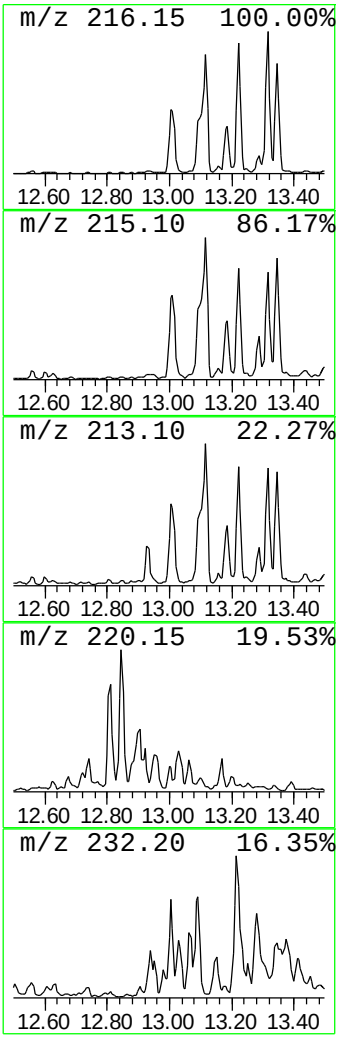
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	5.21 ng	1418910	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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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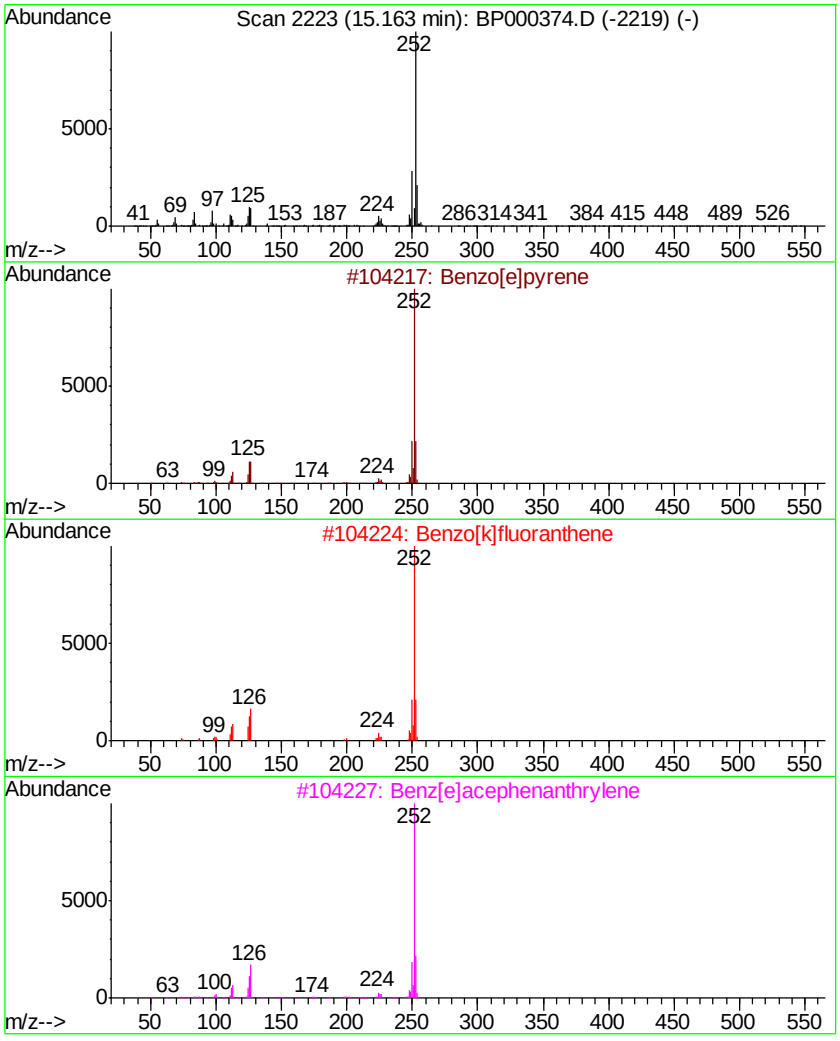
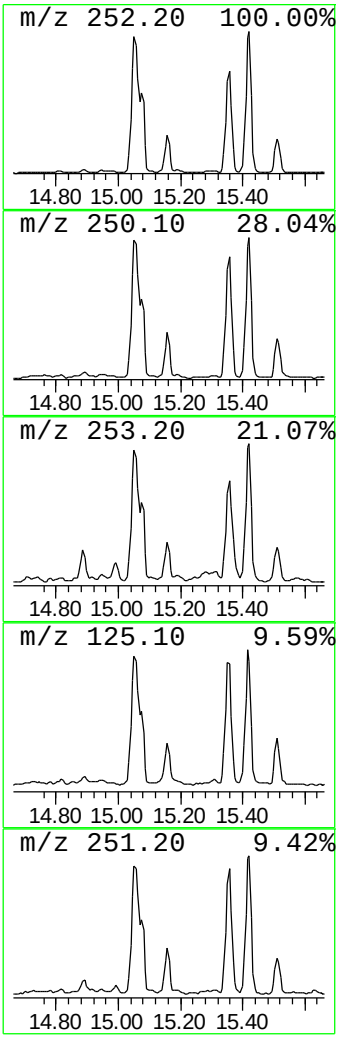
Peak Number 18 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	8.00 ng	724433	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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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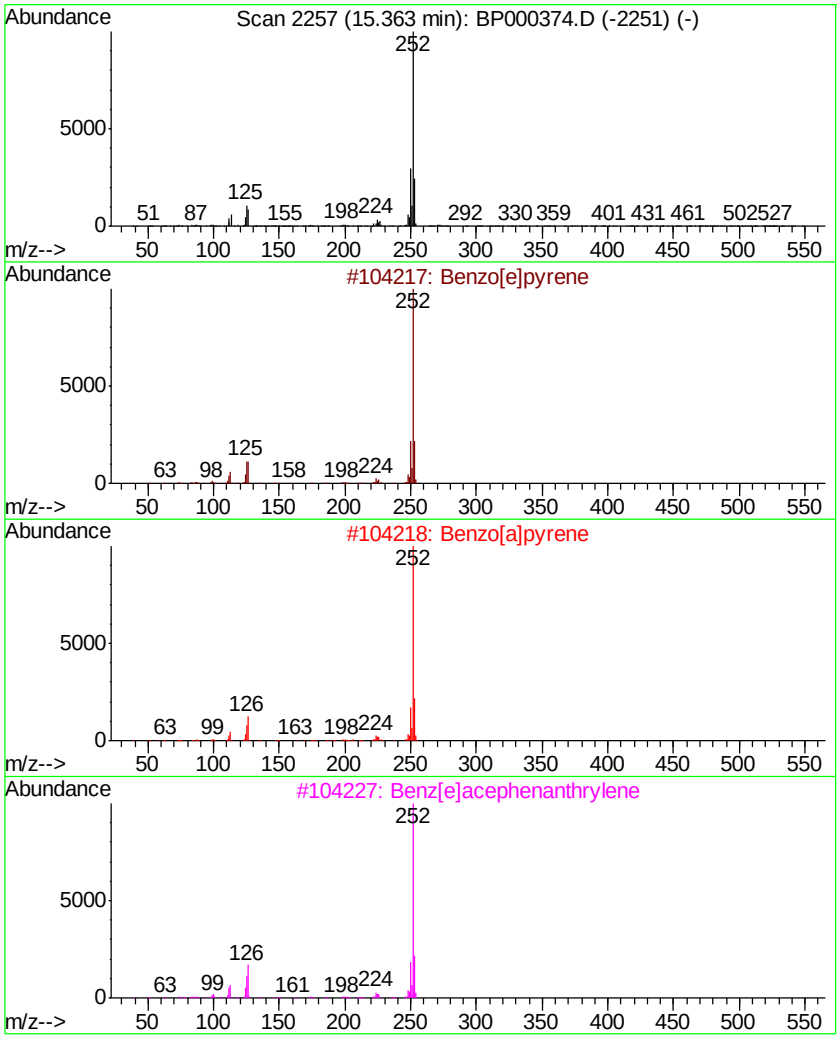
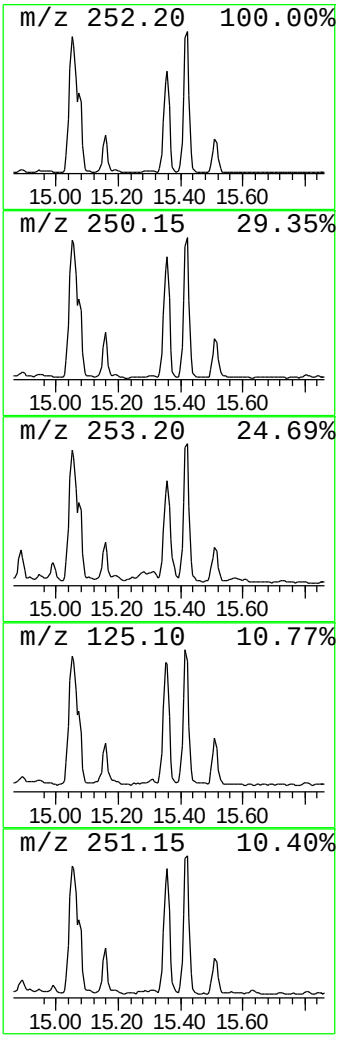
Peak Number 19 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	21.82 ng	1977160	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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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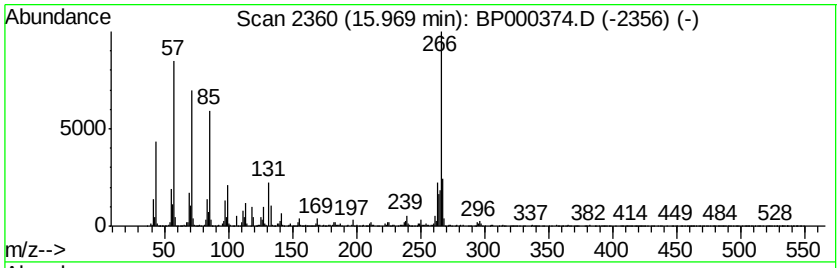
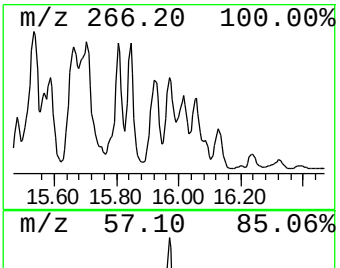
Peak Number 20 unknown15.97 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	7.20 ng	652306	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	47
2	l-Allylglycine, N-heptafluorobut...	423	C17H24F7NO3	1000325-29-5	47
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	42
4	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	42
5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092319\
Data File : BP000374.D
Acq On : 23 Sep 2019 20:41
Operator : HP/JU
Sample : K4997-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-08-091919

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.56	6.56	61.9	ng	3289090	1	6.79	1062220	20.0
Naphthalene, 2,3-...	9.49	5.1	ng	463311	3	9.83	1802980	20.0
Dibenzothiophene,...	11.66	5.7	ng	522603	4	11.33	1850480	20.0
Phenanthrene, 2-m...	11.83	18.7	ng	1732060	4	11.33	1850480	20.0
Phenanthrene, 1-m...	11.86	22.1	ng	2041980	4	11.33	1850480	20.0
Anthracene, 2-met...	11.91	5.5	ng	512657	4	11.33	1850480	20.0
Naphtho[2,3-b]nor...	11.95	24.2	ng	2239170	4	11.33	1850480	20.0
1H-Cyclopropa[l]p...	11.97	15.8	ng	1456900	4	11.33	1850480	20.0
Naphthalene, 2-ph...	12.13	11.0	ng	1015990	4	11.33	1850480	20.0
9,10-Anthracenedione	12.15	8.7	ng	807906	4	11.33	1850480	20.0
di-p-Tolylacetylene	12.29	5.8	ng	531834	4	11.33	1850480	20.0
Phenanthrene, 2,7...	12.32	7.3	ng	675487	4	11.33	1850480	20.0
Phenanthrene, 2,5...	12.39	24.9	ng	2302550	4	11.33	1850480	20.0
9,10-Bis(bromomet...	12.43	13.8	ng	1271800	4	11.33	1850480	20.0
Cyclopenta(def)ph...	12.47	12.4	ng	1145740	4	11.33	1850480	20.0
Pyrene, 1-methyl-	13.00	5.2	ng	1418910	5	14.00	5443210	20.0
Benzo[e]pyrene	15.16	8.0	ng	724433	6	15.48	1811880	20.0
Perylene	15.36	21.8	ng	1977160	6	15.48	1811880	20.0
unknown15.97	15.97	7.2	ng	652306	6	15.48	1811880	20.0