LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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	5.387	557	561	589	rBV	1484458	2425817	36.11%	2.835%
2	6.399	730	733	751	rBV	1867920	2572925	38.30%	3.007%
3	6.522	751	754	760	rVB	2622040	2633550	39.20%	3.077%
4	6.740	788	791	795	rBV	1074510	837671	12.47%	0.979%
5	6.899	814	818	821	rBV	2779044	2183488	32.50%	2.551%
6	7.304	882	887	890	rBV	1691982	1531653	22.80%	1.790%
7	8.022	1006	1009	1012	rBV	1351281	1091020	16.24%	1.275%
8	8.046	1012	1013	1020	rVB	167298	94661	1.41%	0.111%
9	9.104	1189	1193	1196	rBV	4379919	3379776	50.31%	3.949%
10	9.498	1257	1260	1267	rVB	565366	471902	7.02%	0.551%
11	9.646	1282	1285	1291	rVB	214858	160925	2.40%	0.188%
12	9.787	1303	1309	1312	rBV	1690973	1318762	19.63%	1.541%
13	9.816	1312	1314	1318	rVB	227941	185872	2.77%	0.217%
14	9.993	1340	1344	1348	rBV	228759	184666	2.75%	0.216%
15	10.334	1400	1402	1409	rVB	185955	187230	2.79%	0.219%
16	10.498	1427	1430	1436	rVB	123397	107790	1.60%	0.126%
17	10.581	1440	1444	1449	rBV	2595888	2319187	34.52%	2.710%
18	10.893	1490	1497	1500	rBV3	67597	107840	1.61%	0.126%
19	11.022	1514	1519	1521	rBV3	83967	94864	1.41%	0.111%
20	11.045	1521	1523	1528	rVV	91744	97464	1.45%	0.114%
21	11.087	1528	1530	1535	rVB	252546	233586	3.48%	0.273%
22	11.134	1535	1538	1541	rBV2	98300	127841	1.90%	0.149%
23	11.181	1541	1546	1551	rVB	149064	185183	2.76%	0.216%
24	11.287	1560	1564	1566	rBV	1603474	1539179	22.91%	1.799%
25	11.310	1566	1568	1571	rVV	3101626	2326226	34.63%	2.718%
26	11.363	1571	1577	1580	rVB	655320	657747	9.79%	0.769%
27	11.398	1580	1583	1586	rBV	97145	95217	1.42%	0.111%
28	11.516	1598	1603	1606	rBV2	360881	381744	5.68%	0.446%
29	11.587	1612	1615	1618	rVV2	98156	103070	1.53%	0.120%
30	11.622	1618	1621	1626	rVB3	105649	107993	1.61%	0.126%
31	11.792	1645	1650	1652	rBV	524951	439994	6.55%	0.514%
32	11.822	1652	1655	1659	rVV	790255	691002	10.29%	0.807%
33	11.869	1659	1663	1666	rVV2	260698	229635	3.42%	0.268%
34	11.904	1666	1669	1672	rVV	653075	728488	10.84%	0.851%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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	11.928	1672	1673	1678	rVB	363948	221223	3.29%	0.259%
36	12.092	1696	1701	1703	rBV	323666	333960	4.97%	0.390%
37	12.116	1703	1705	1709	rVB	353753	310148	4.62%	0.362%
38	12.245	1721	1727	1730	rBV3	206069	243500	3.62%	0.285%
39	12.275	1730	1732	1734	rVV	148056	107934	1.61%	0.126%
40	12.298	1734	1736	1739	rVB	118340	91753	1.37%	0.107%
41	12.351	1739	1745	1747	rBV	297631	337522	5.02%	0.394%
42	12.387	1747	1751	1753	rVV2	164829	242986	3.62%	0.284%
43	12.439	1757	1760	1764	rVV	378222	360772	5.37%	0.422%
44	12.516	1769	1773	1777	rBV	4915936	4806477	71.54%	5.617%
45	12.557	1777	1780	1782	rBV	115629	98813	1.47%	0.115%
46	12.663	1792	1798	1803	rBV3	192911	356063	5.30%	0.416%
47	12.751	1806	1813	1815	rBV2	4338099	5009607	74.57%	5.854%
48	12.792	1818	1820	1826	rVB2	266737	323465	4.81%	0.378%
49	12.869	1829	1833	1834	rBV	380787	399470	5.95%	0.467%
50	12.892	1834	1837	1844	rVB	4075820	3743098	55.72%	4.374%
51	12.969	1844	1850	1853	rBV2	386346	647798	9.64%	0.757%
52	13.028	1857	1860	1862	rBV3	132288	127985	1.91%	0.150%
53	13.051	1862	1864	1866	rBV3	313464	334723	4.98%	0.391%
54	13.081	1866	1869	1872	rVB	680149	650481	9.68%	0.760%
55	13.145	1877	1880	1883	rBV	337681	275645	4.10%	0.322%
56	13.181	1883	1886	1889	rBV2	592493	669494	9.97%	0.782%
57	13.239	1894	1896	1899	rVV	144073	142327	2.12%	0.166%
58	13.275	1899	1902	1905	rVV	291509	282592	4.21%	0.330%
59	13.310	1905	1908	1912	rVV2	337466	382433	5.69%	0.447%
60	13.375	1915	1919	1922	rVV	2076799	1750646	26.06%	2.046%
61	13.398	1922	1923	1926	rVB	129420	102306	1.52%	0.120%
62	13.492	1931	1939	1940	rBV7	150625	344017	5.12%	0.402%
63	13.510	1940	1942	1944	rVB2	161817	132837	1.98%	0.155%
64	13.598	1954	1957	1961	rVB	698682	662958	9.87%	0.775%
65	13.704	1971	1975	1978	rBV	661316	741174	11.03%	0.866%
66	13.734	1978	1980	1982	rVB	487689	350172	5.21%	0.409%
67	13.757	1982	1984	1990	rBV3	345454	479697	7.14%	0.561%
68	13.810	1990	1993	2000	rVB	775401	811205	12.07%	0.948%
69	13.875	2002	2004	2010	rVB	154829	199849	2.97%	0.234%
70	13.951	2011	2017	2022	rBV3	3686457	6718143	100.00%	7.850%
71	13.992	2022	2024	2027	rVB	2843580	2108371	31.38%	2.464%

LSC Area Percent Report

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Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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	14.069	2032	2037	2040	rBV2	463370	486478	7.24%	0.568%
73	14.110	2042	2044	2046	rVV	106630	121228	1.80%	0.142%
74	14.157	2050	2052	2054	rVV	241513	197209	2.94%	0.230%
75	14.192	2054	2058	2061	rVV2	307939	405758	6.04%	0.474%
76	14.228	2061	2064	2066	rVB2	121053	113486	1.69%	0.133%
77	14.286	2071	2074	2076	rBV3	118759	132747	1.98%	0.155%
78	14.316	2077	2079	2081	rVV	154133	138653	2.06%	0.162%
79	14.357	2081	2086	2088	rVV	645600	631476	9.40%	0.738%
80	14.386	2088	2091	2096	rVB3	283700	323881	4.82%	0.378%
81	14.481	2104	2107	2109	rBV	334202	291478	4.34%	0.341%
82	14.504	2109	2111	2114	rVV2	273954	218244	3.25%	0.255%
83	14.551	2114	2119	2125	rVB3	227379	387248	5.76%	0.453%
84	14.669	2136	2139	2141	rBV2	255112	247566	3.69%	0.289%
85	14.751	2150	2153	2156	rBV3	184873	222673	3.31%	0.260%
86	14.851	2167	2170	2174	rVB2	224750	286279	4.26%	0.335%
87	15.022	2193	2199	2201	rBV	2725974	4088268	60.85%	4.777%
88	15.092	2208	2211	2213	rVV	176878	166683	2.48%	0.195%
89	15.122	2213	2216	2220	rVB	552337	554308	8.25%	0.648%
90	15.210	2227	2231	2238	rBV4	187214	513295	7.64%	0.600%
91	15.316	2245	2249	2255	rVB	1503962	2091655	31.13%	2.444%
92	15.381	2255	2260	2265	rBV	2089097	2687091	40.00%	3.140%
93	15.445	2266	2271	2273	rVV	1164692	1496855	22.28%	1.749%
94	15.475	2273	2276	2283	rVB2	663777	942174	14.02%	1.101%
95	15.998	2363	2365	2371	rVB2	117638	160161	2.38%	0.187%
96	16.916	2515	2521	2529	rVB2	956736	1843726	27.44%	2.154%
97	17.086	2545	2550	2554	rBV	169779	299509	4.46%	0.350%
98	17.139	2555	2559	2565	rVV2	170338	301861	4.49%	0.353%
99	17.357	2590	2596	2606	rVB	620162	1275753	18.99%	1.491%
100	17.592	2632	2636	2642	rVB	117501	216192	3.22%	0.253%

Sum of corrected areas: 85577547

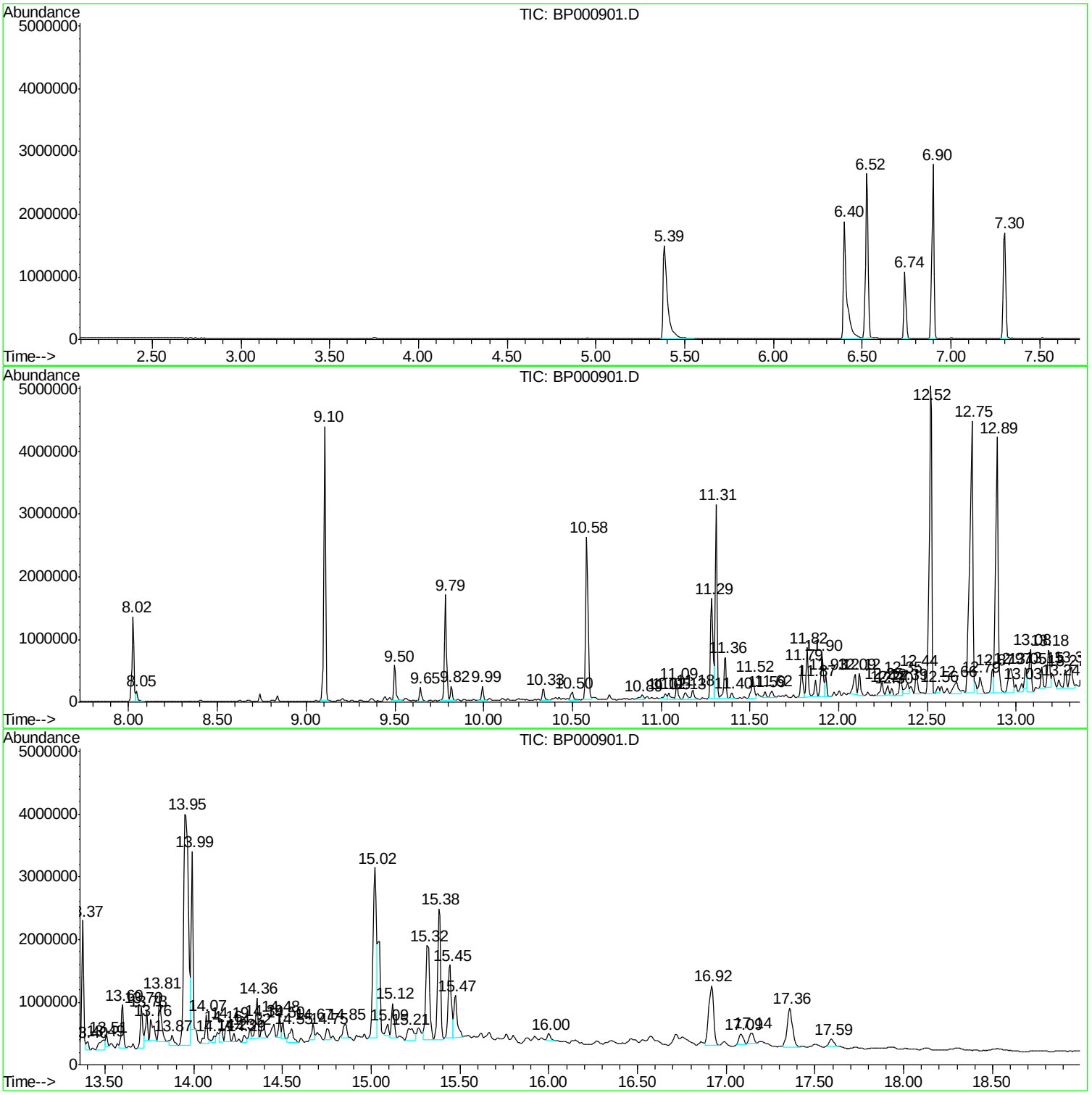
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SP-2

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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

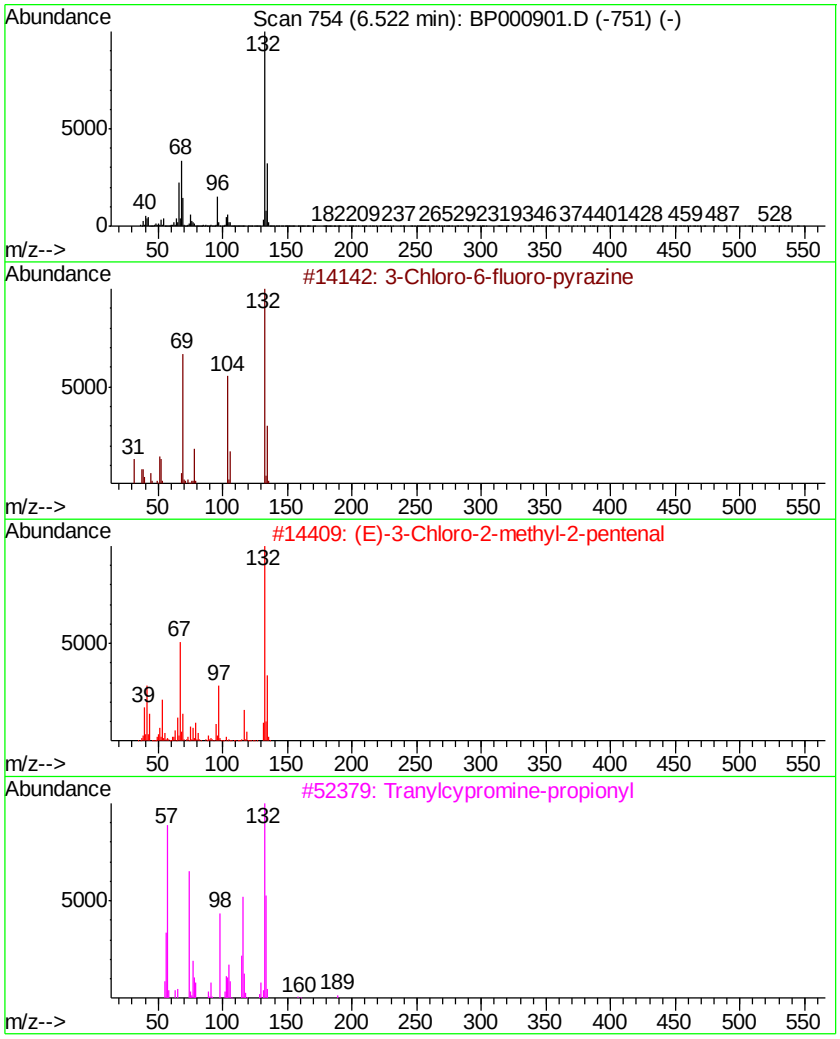
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

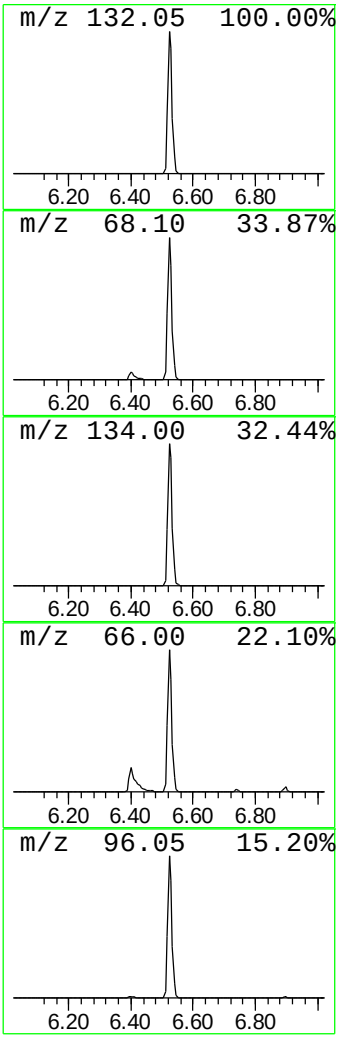
****

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	62.88 ng	2633550	1,4-Dichlorobenzene-d4	6.74

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	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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

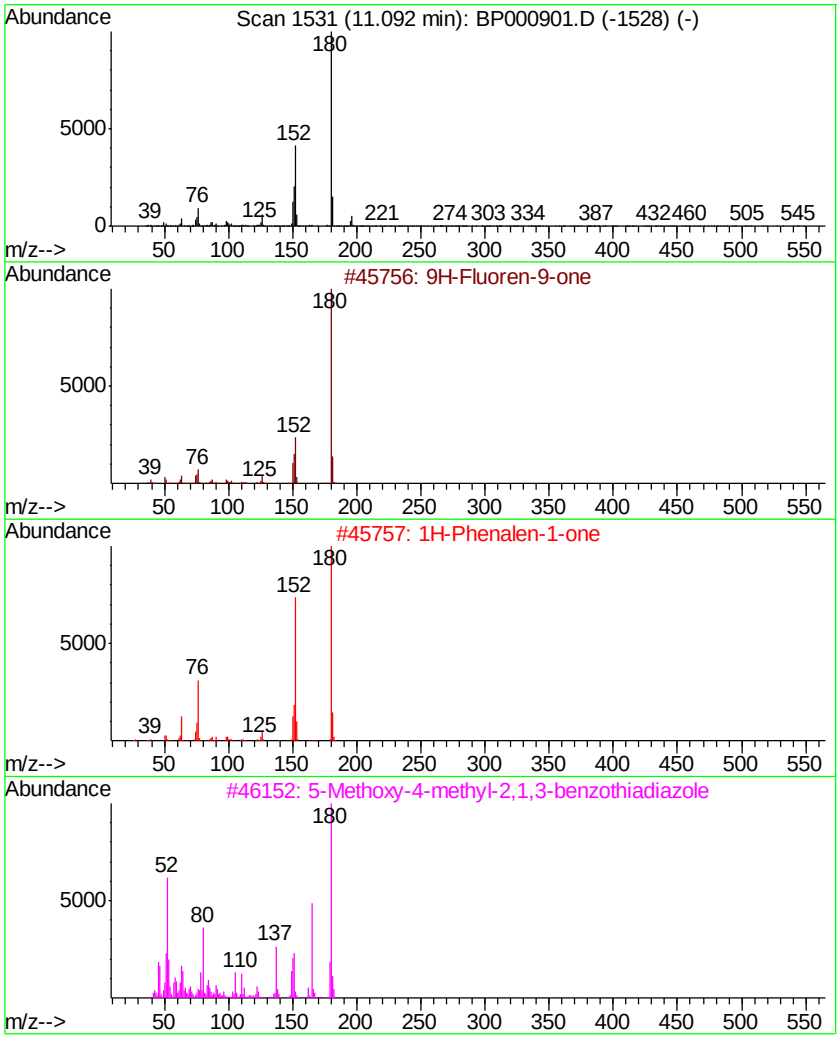
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

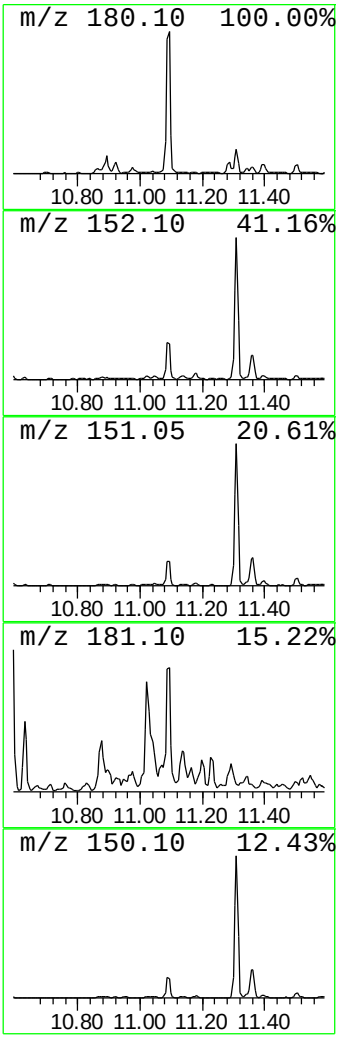
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	3.04 ng	233586	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
3	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	50
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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

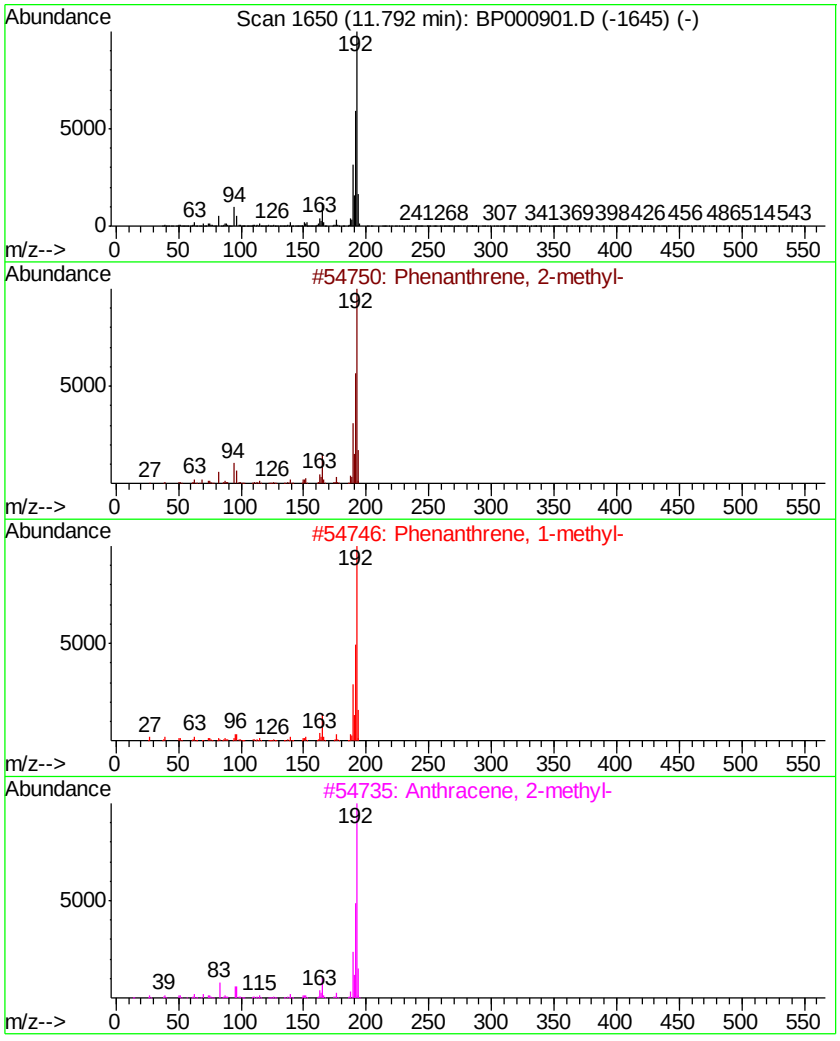
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

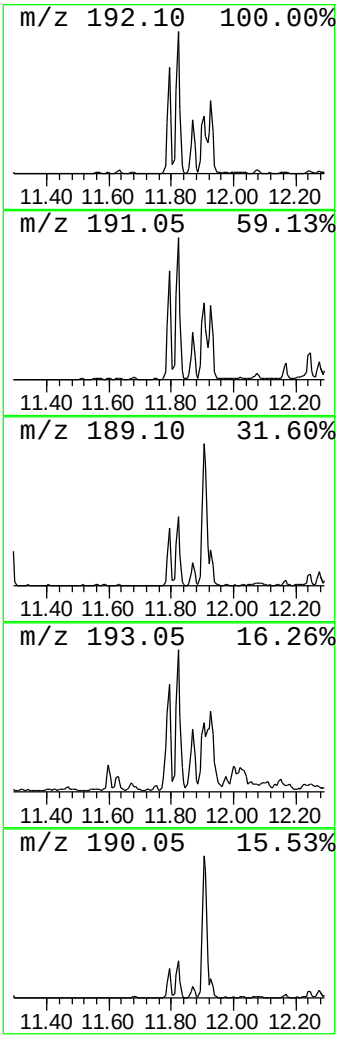
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	5.72 ng	439994	Phenanthrene-d10	11.29

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-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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

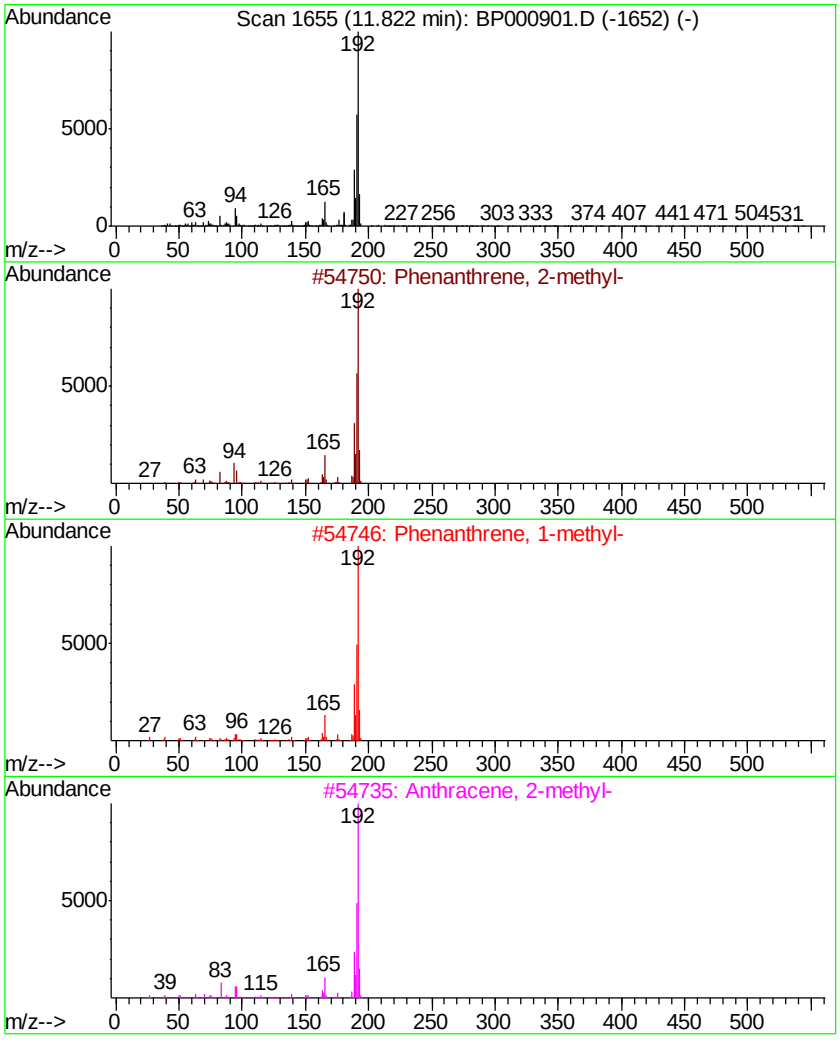
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

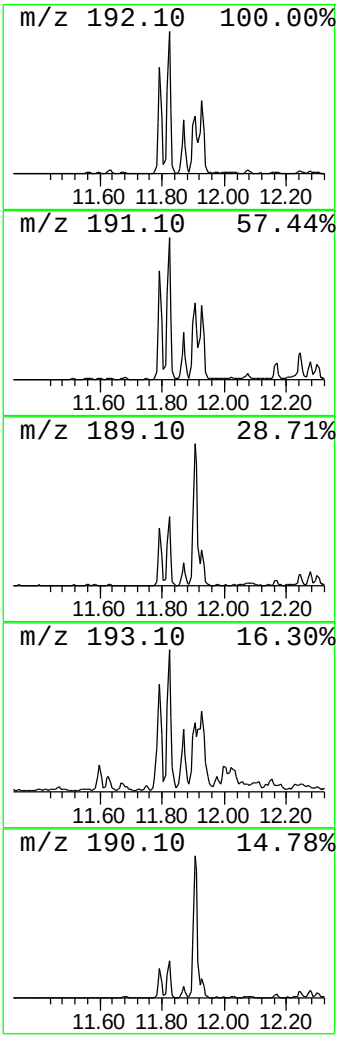
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.98 ng	691002	Phenanthrene-d10	11.29

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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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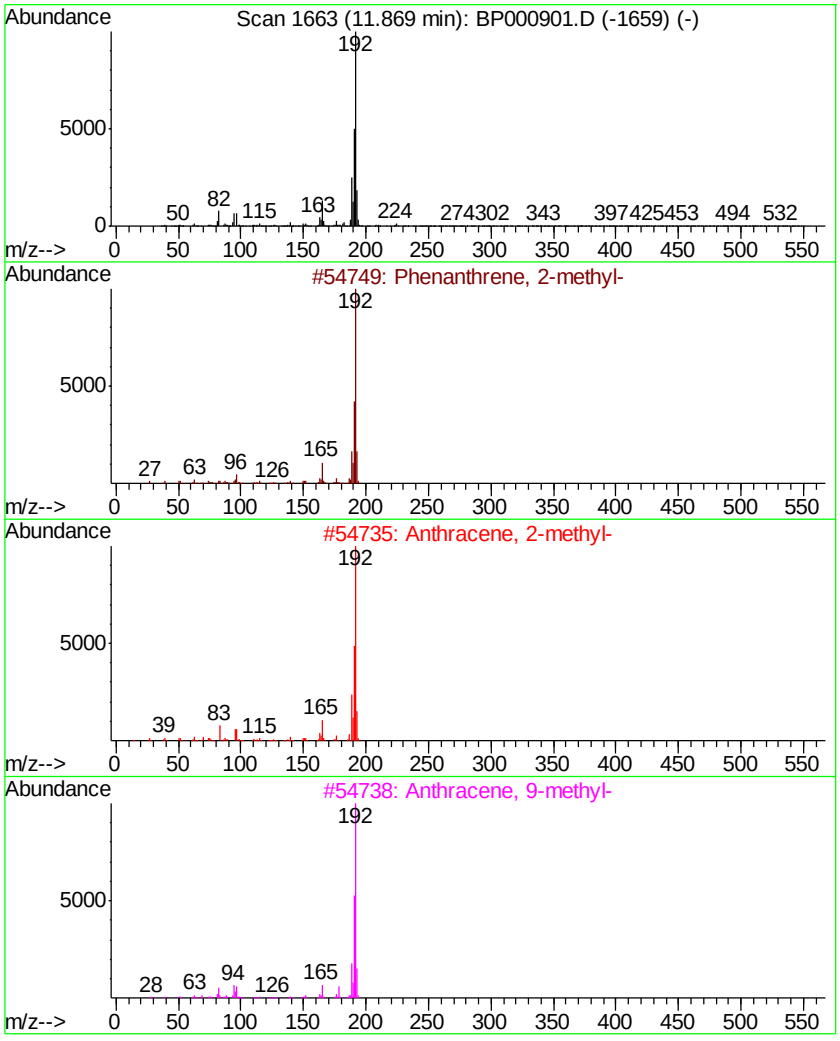
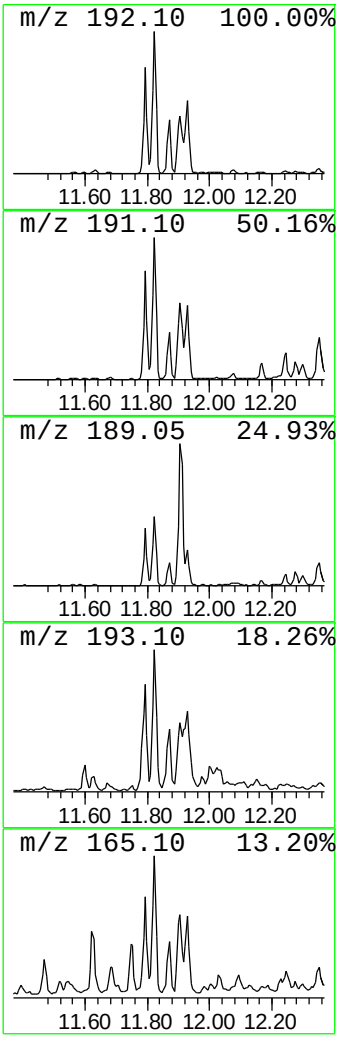
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.98 ng	229635	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

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Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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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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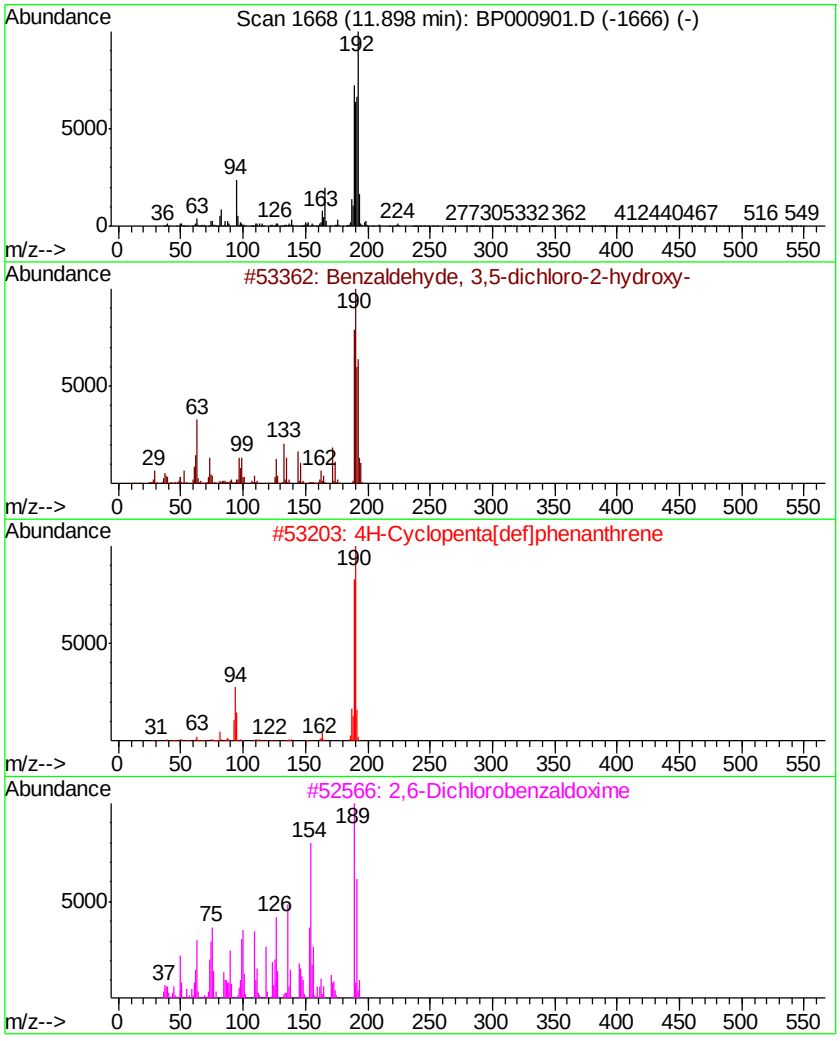
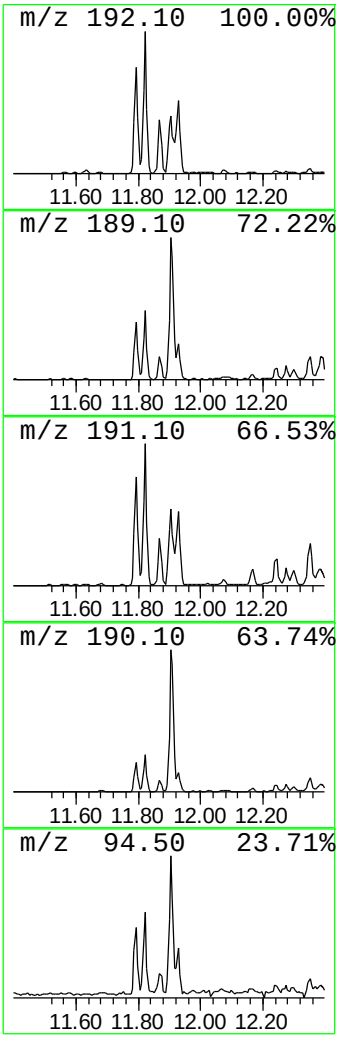
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	9.47 ng	728488	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





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Instrument : BNA_P
ClientSampleId : SP-2

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

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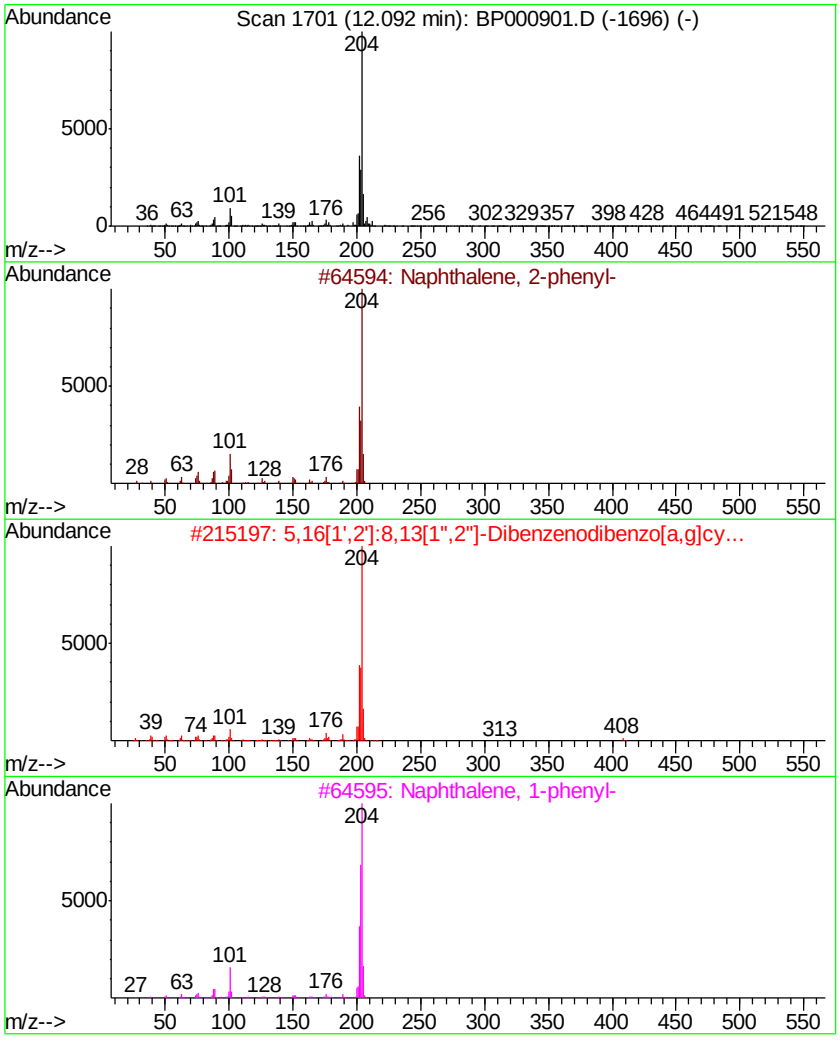
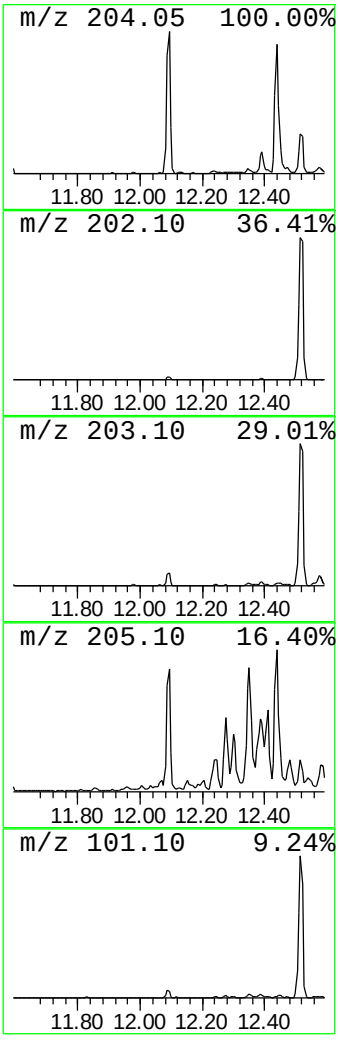
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.34 ng	333960	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Levamisole	204	C11H12N2S	014769-73-4	58
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





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

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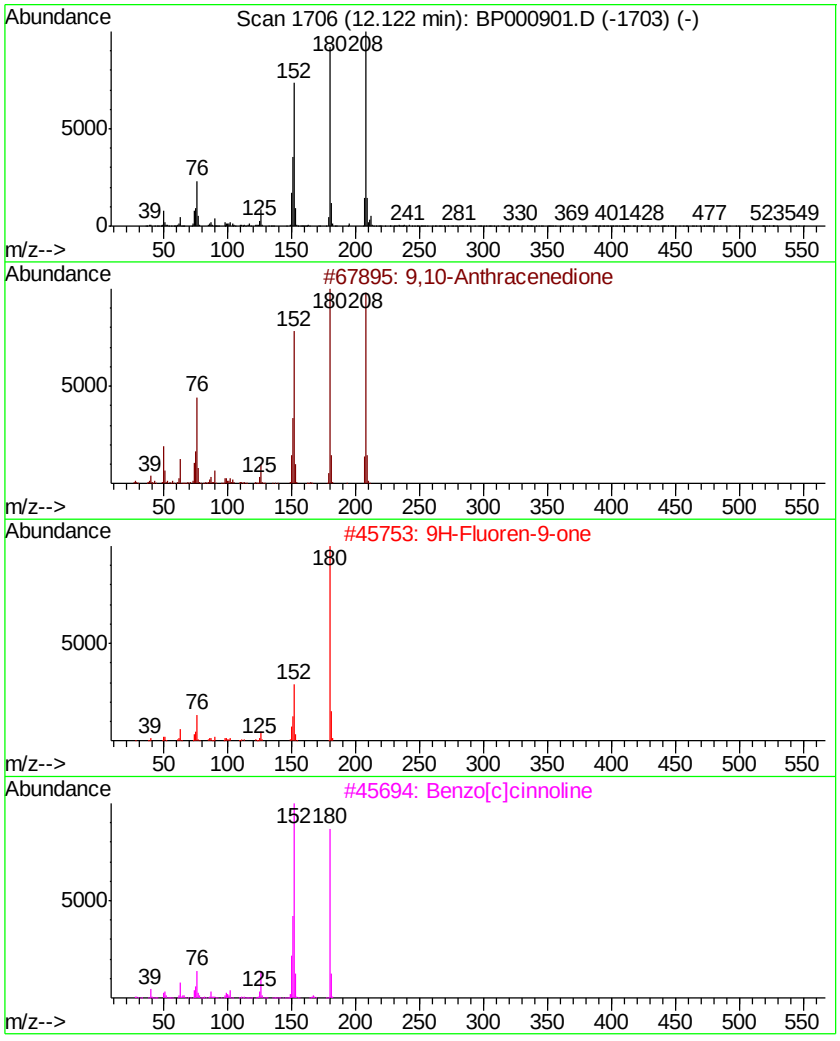
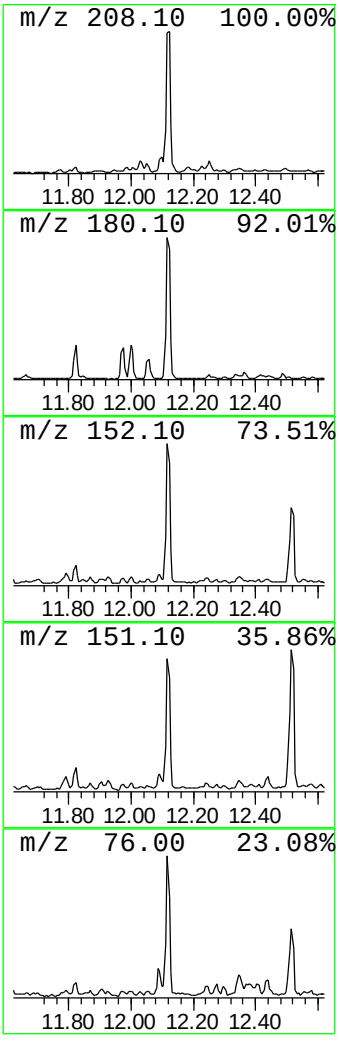
Peak Number 9 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.03 ng	310148	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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ALS Vial : 29 Sample Multiplier: 1

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TIC Integration Parameters: LSCINT.P

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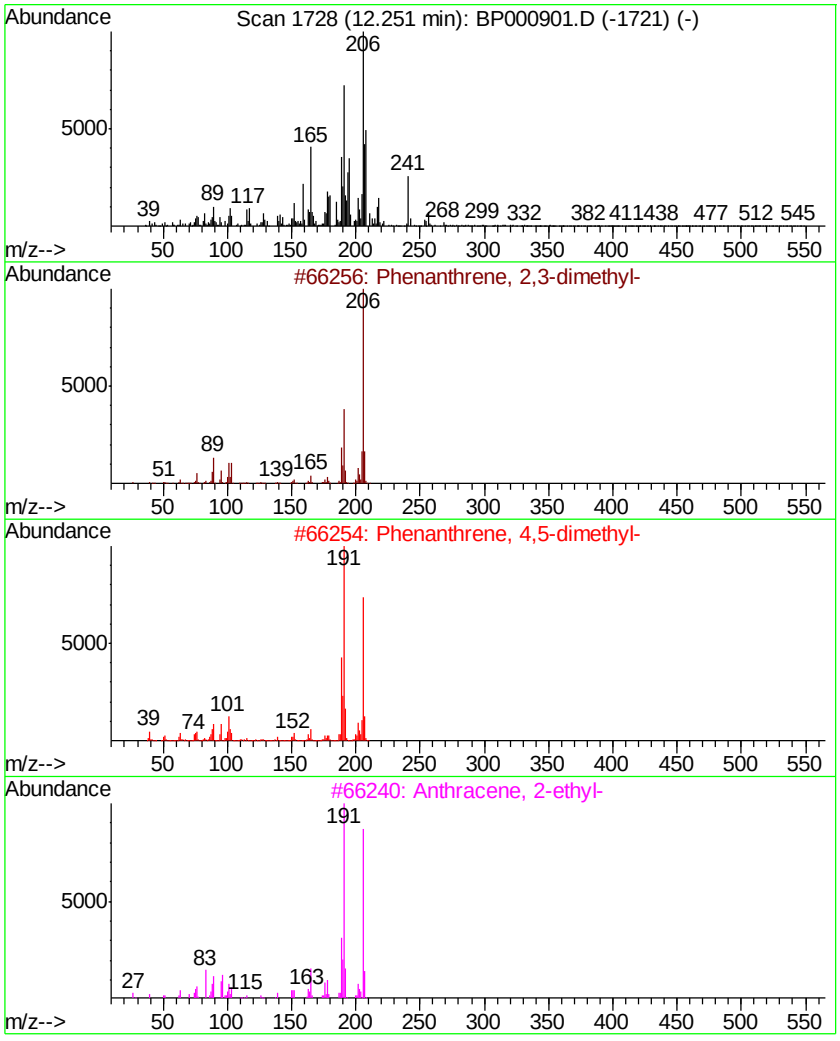
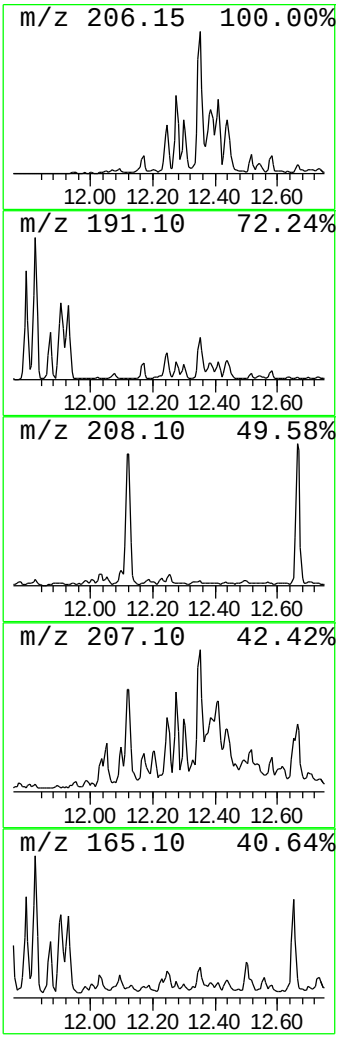
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.16 ng	243500	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	86
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	86





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Sample : K5420-15
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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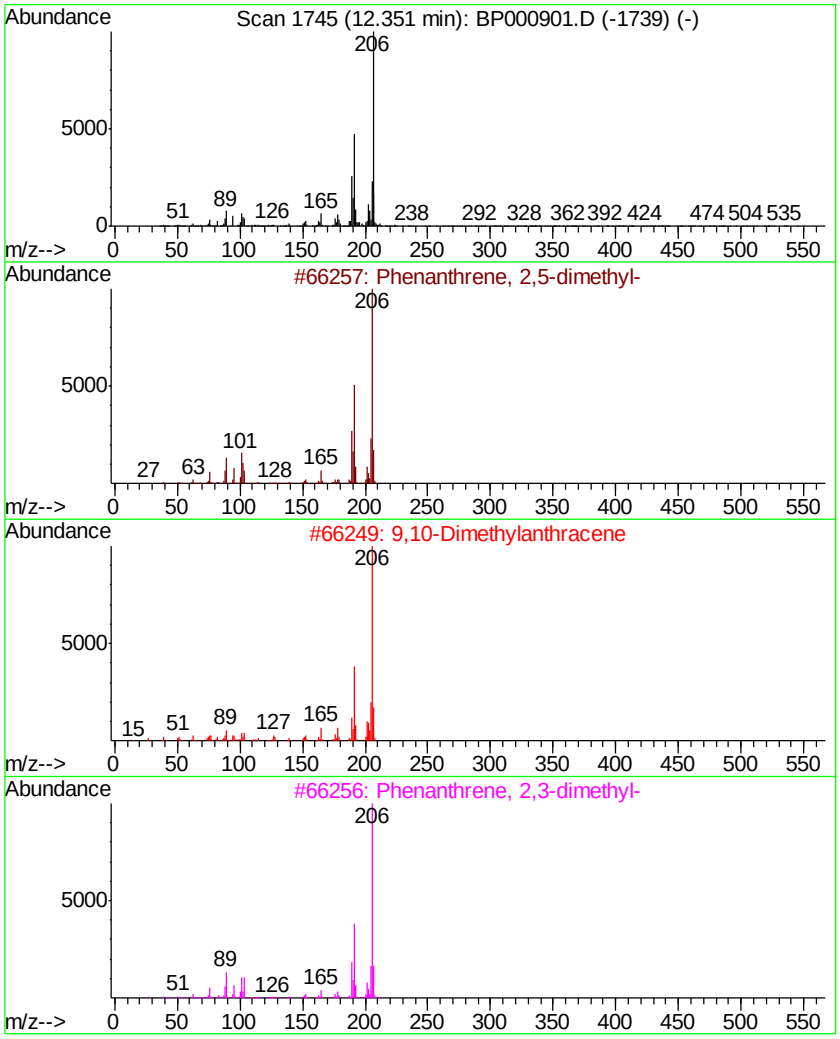
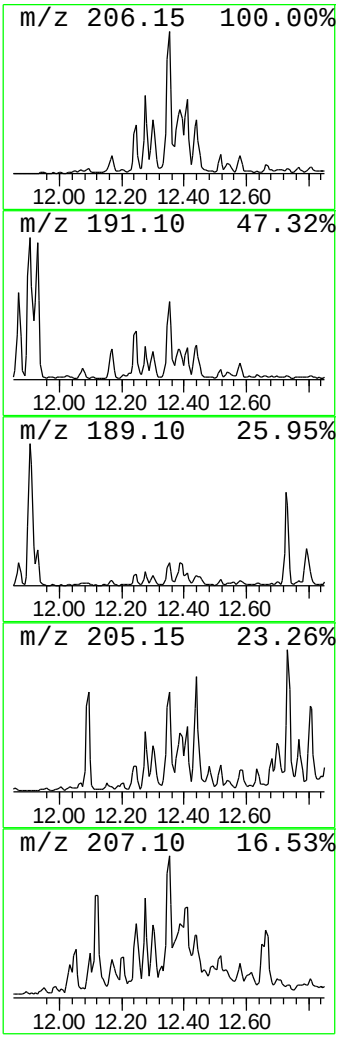
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.39 ng	337522	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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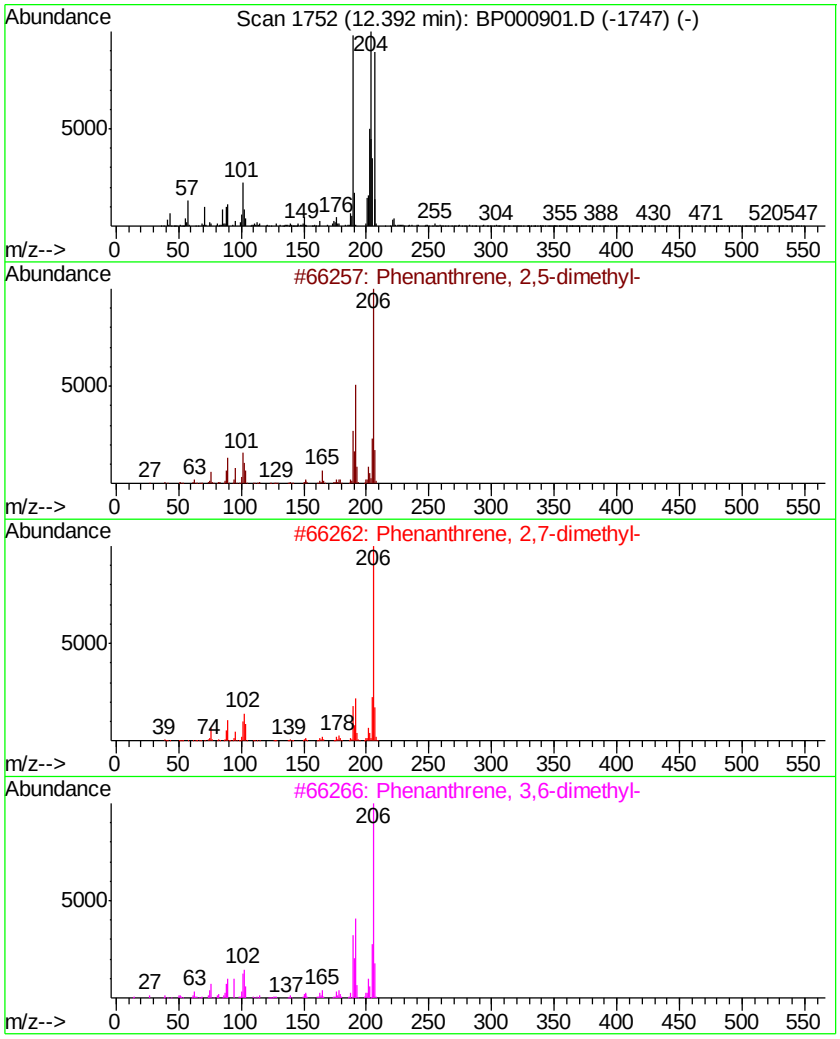
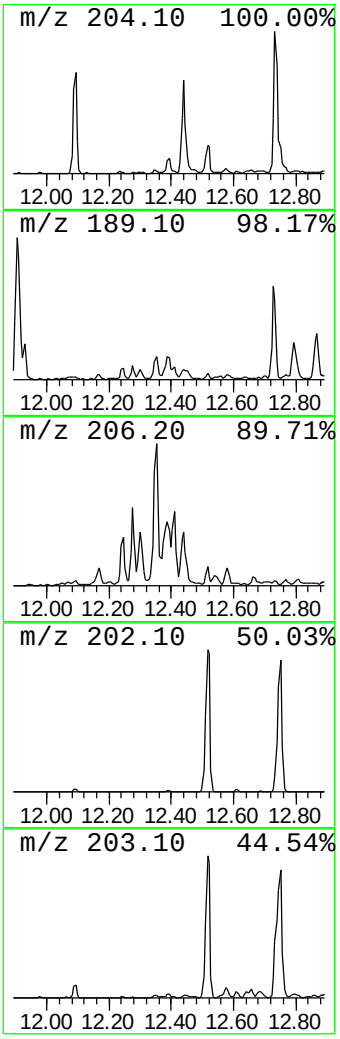
Peak Number 12 unknown12.39 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.16 ng	242986	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30





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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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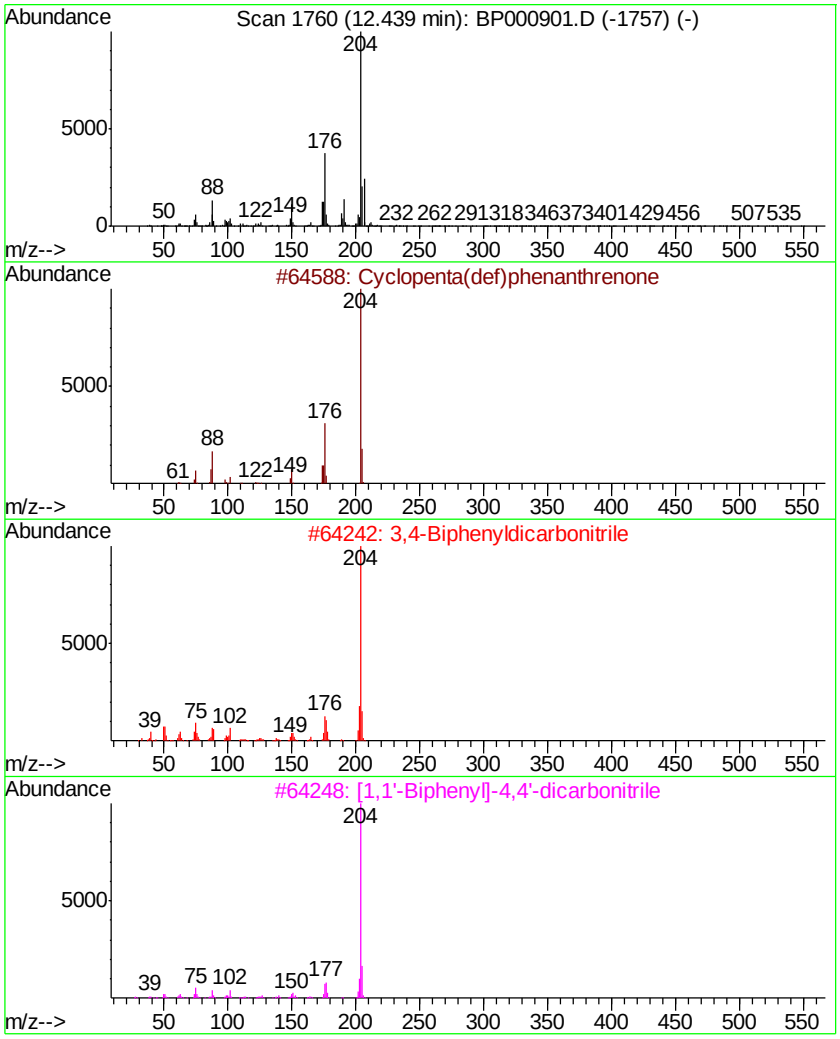
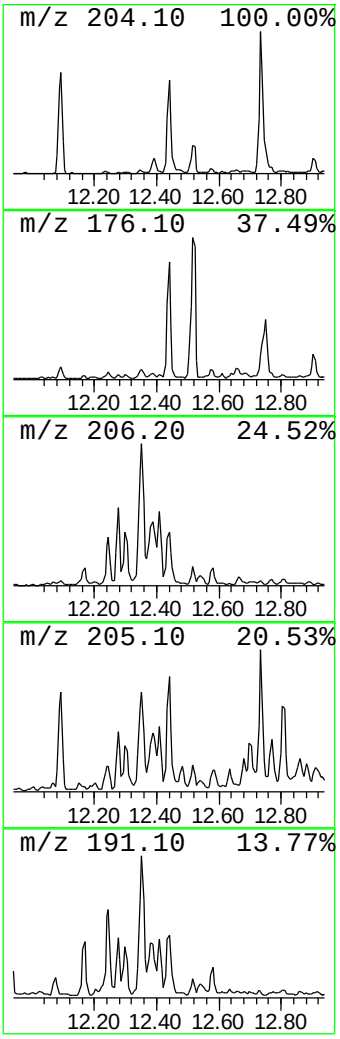
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	4.69 ng	360772	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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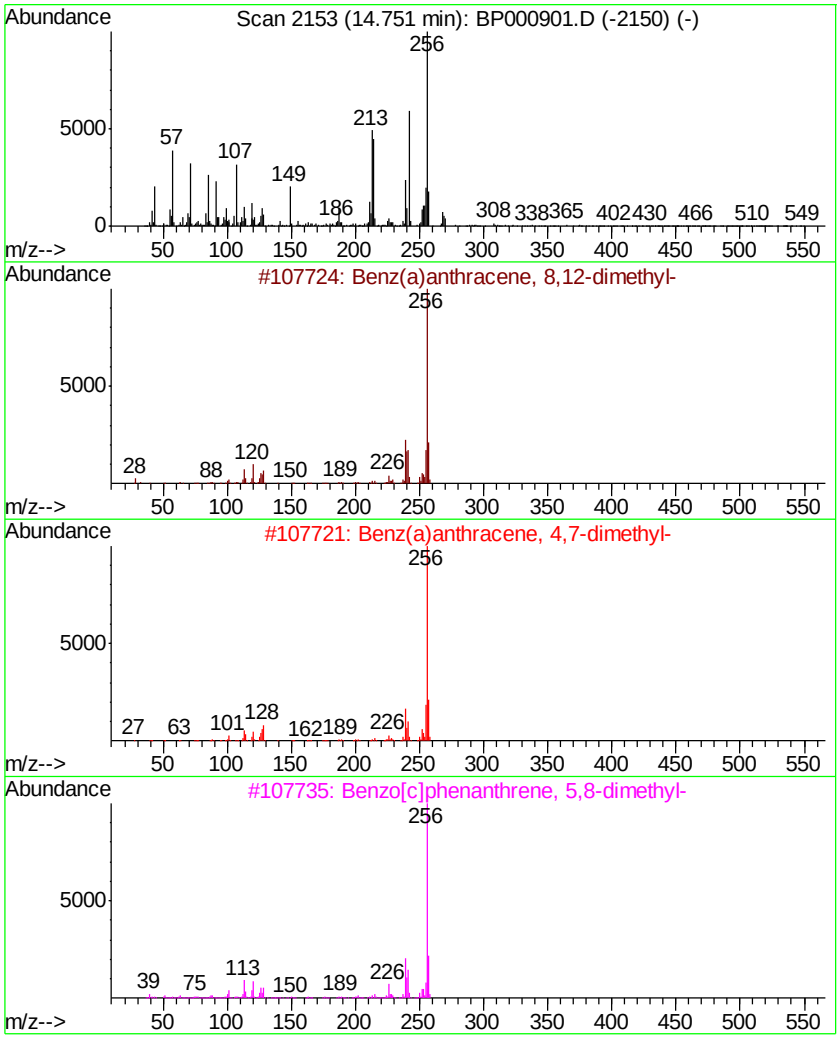
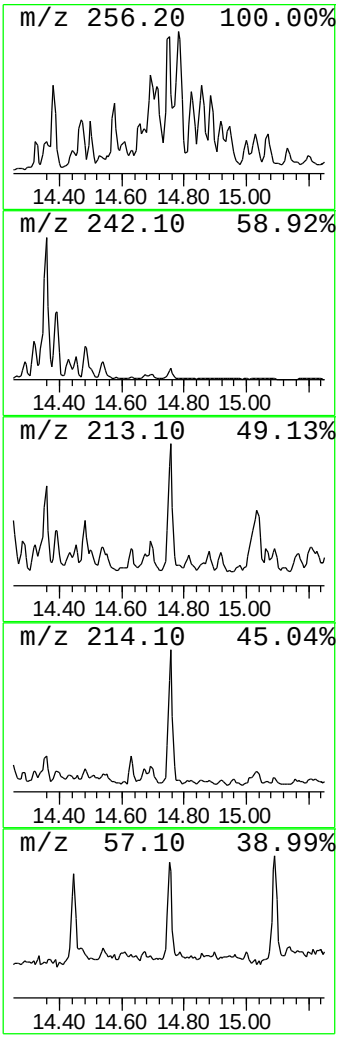
Peak Number 14 Benz(a)anthracene, 8,12-dim... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.98 ng	222673	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	56
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	50
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	38
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	30
5	3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	30





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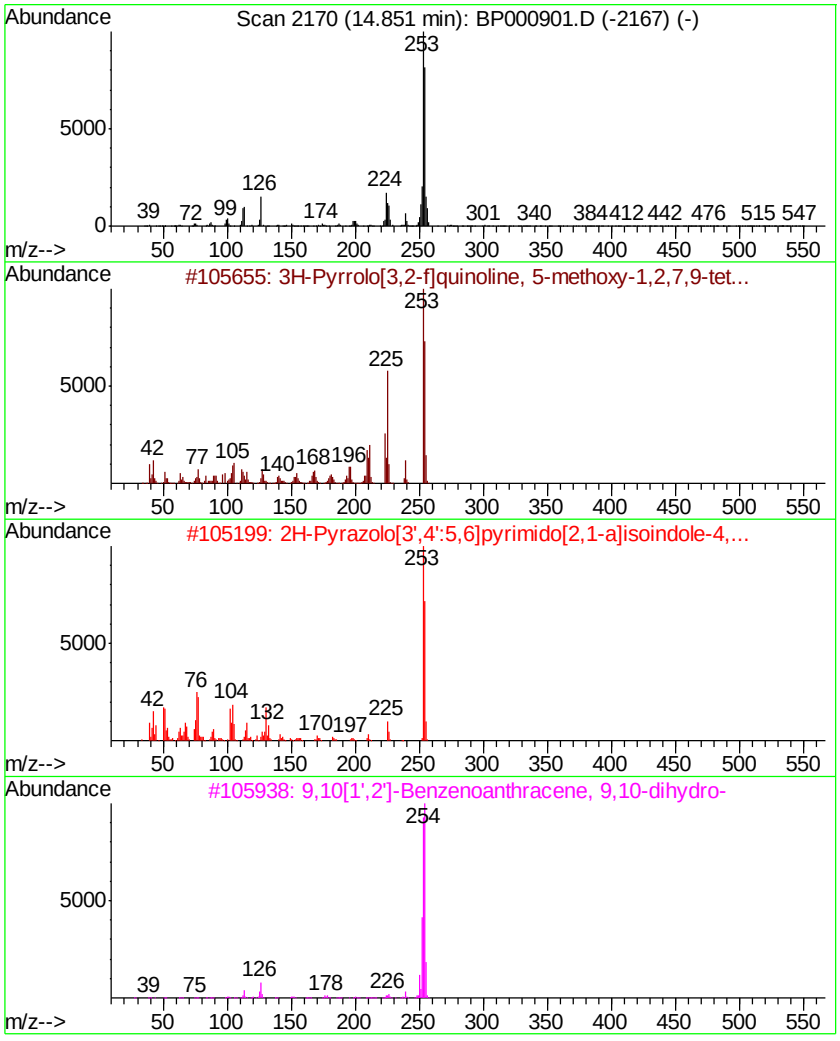
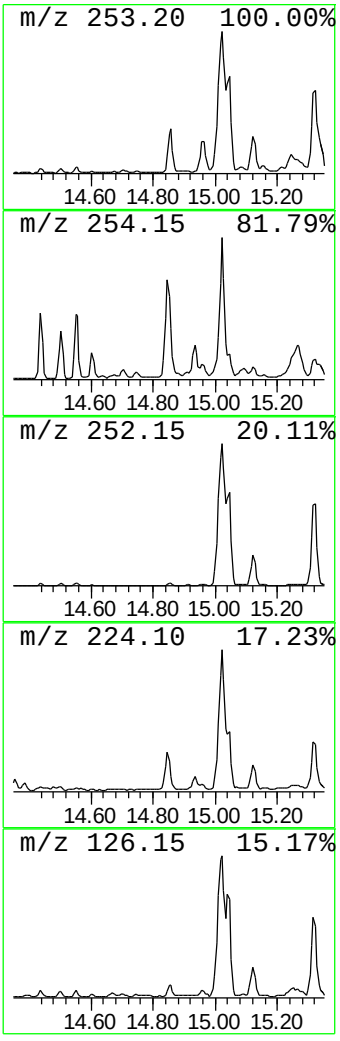
Peak Number 15 3H-Pyrrolo[3,2-f]quinoline,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.83 ng	286279	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64
2	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	64
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	59
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	53





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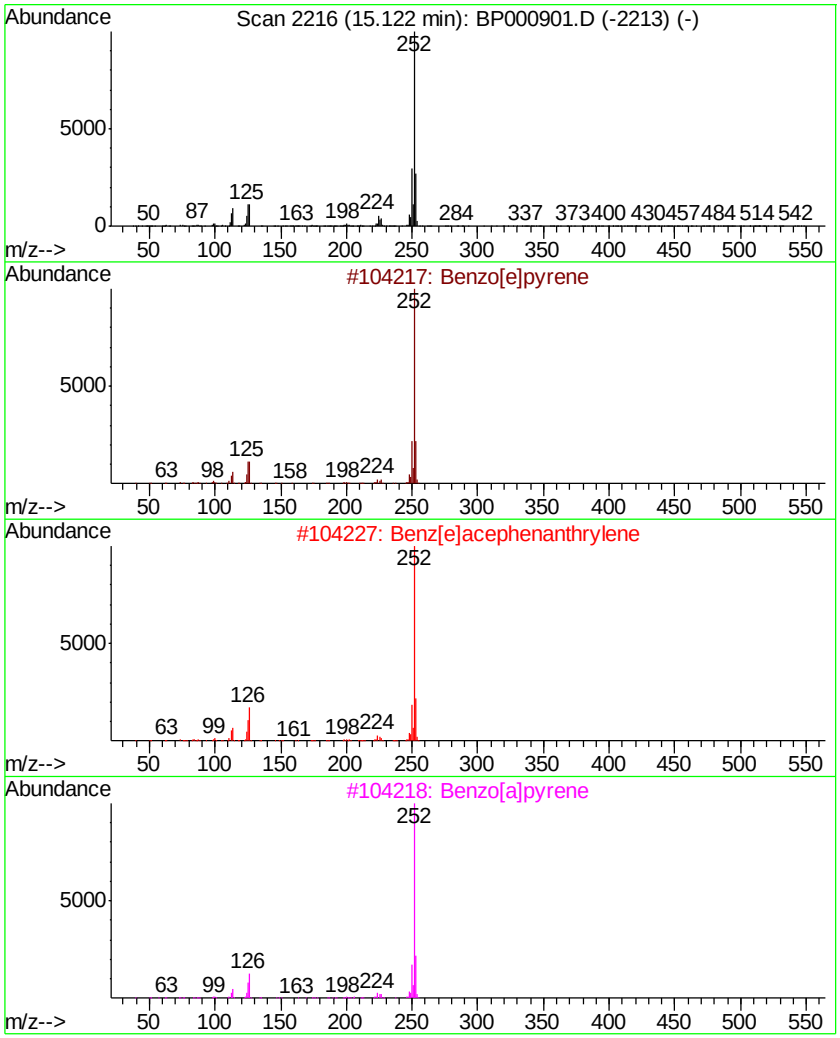
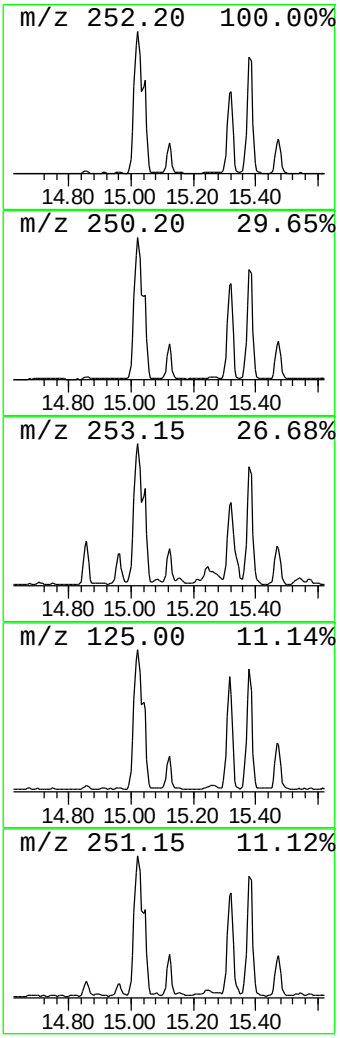
Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	7.41 ng	554308	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	81





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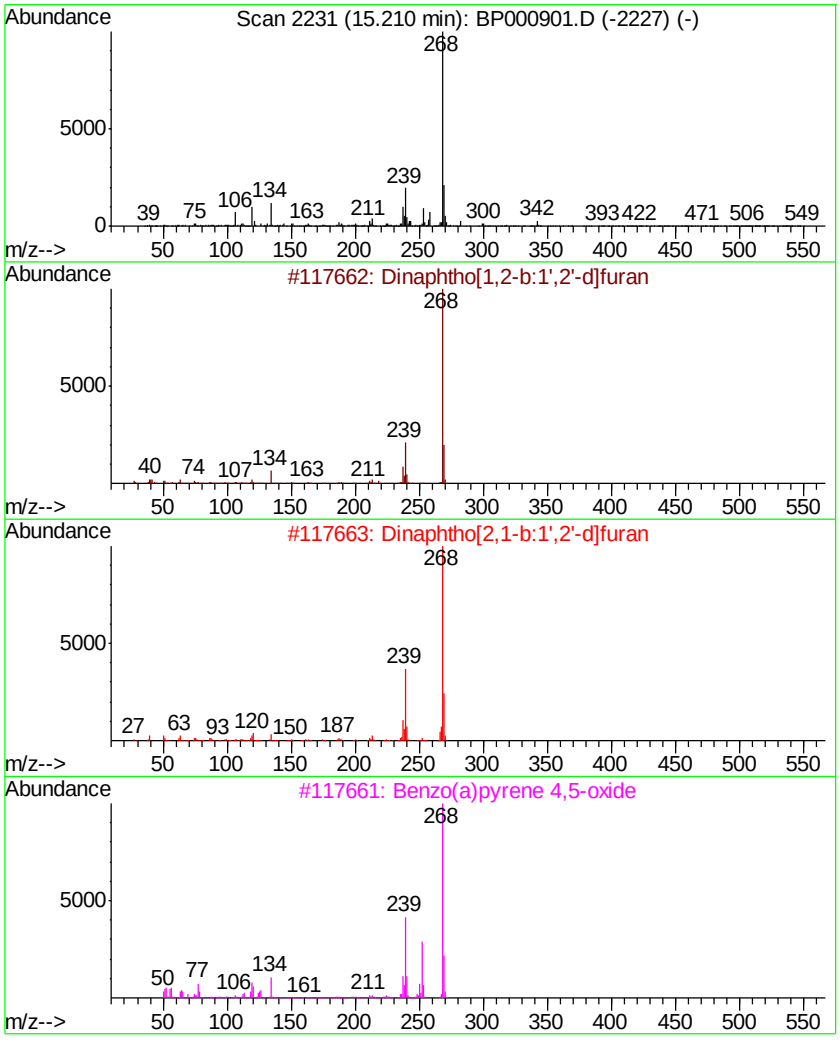
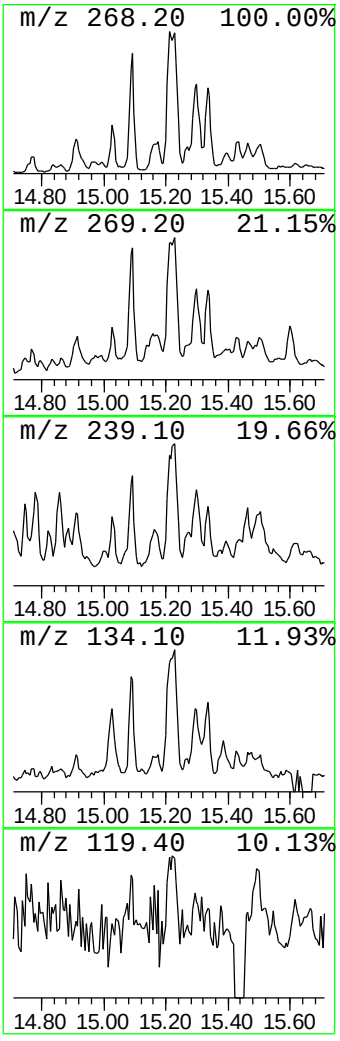
Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	6.86 ng	513295	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	64
5	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	59





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Instrument : BNA_P
ClientSampleId : SP-2

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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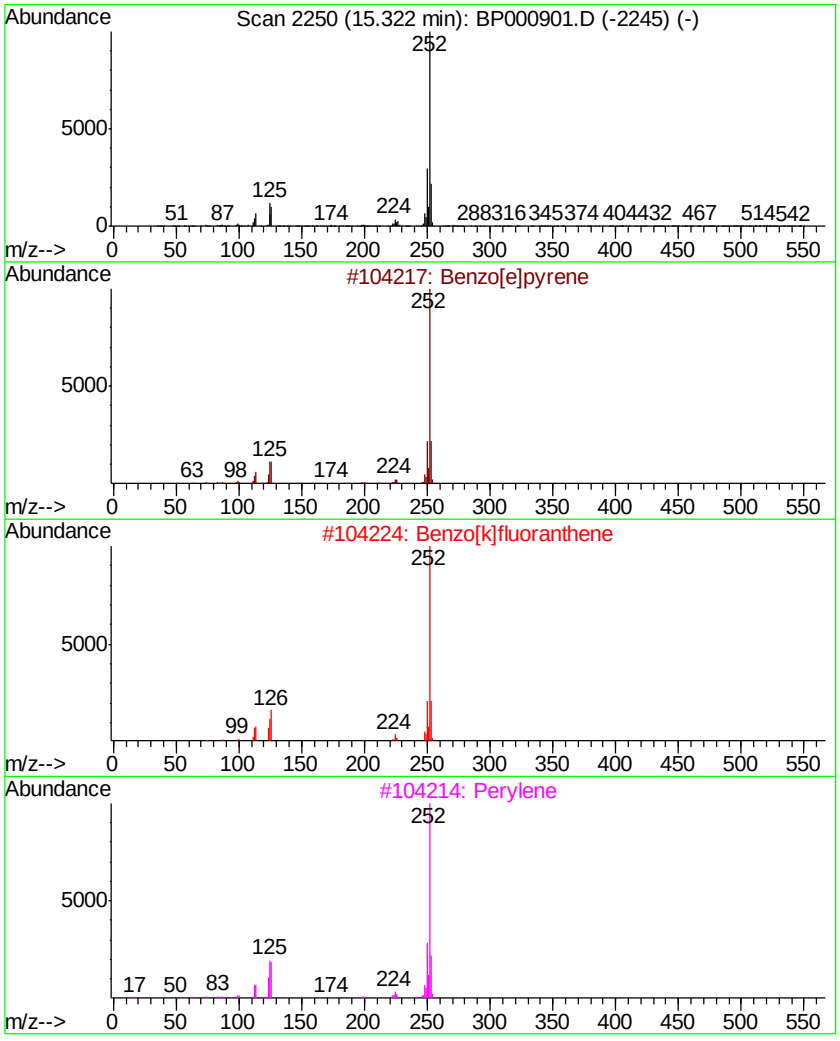
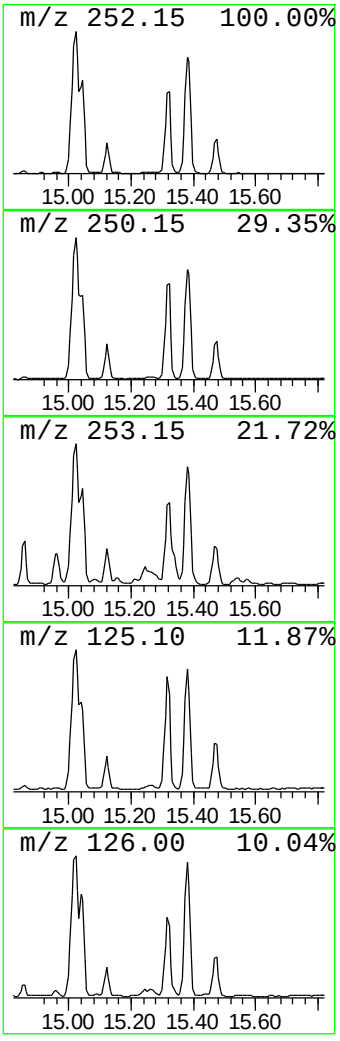
Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	27.95 ng	2091660	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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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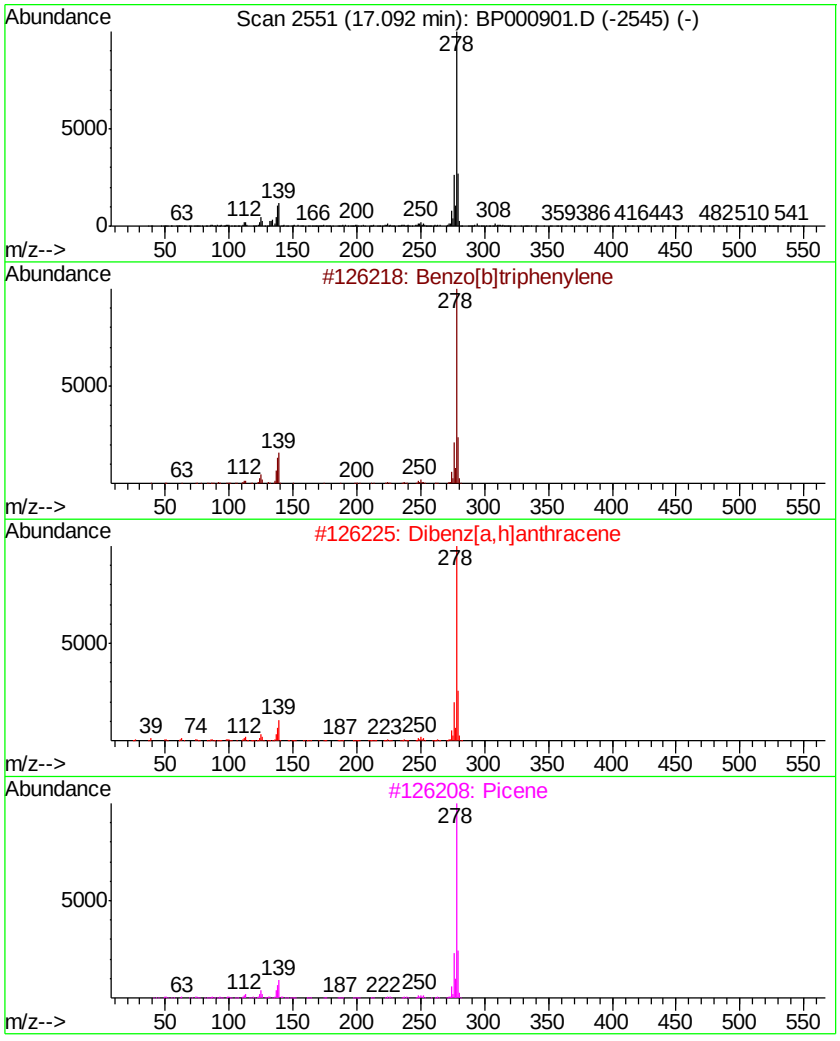
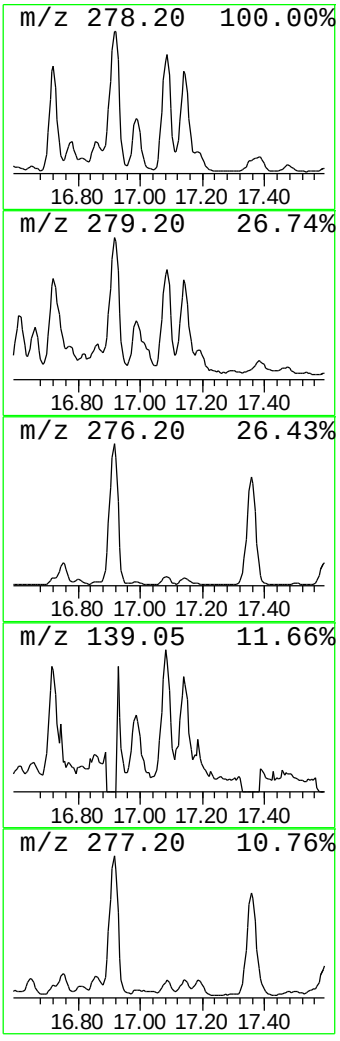
Peak Number 19 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	4.00 ng	299509	Perylene-d12	15.45

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	Pentaphene	278	C22H14	000222-93-5	98
5	Benzo[b]chrysene	278	C22H14	000214-17-5	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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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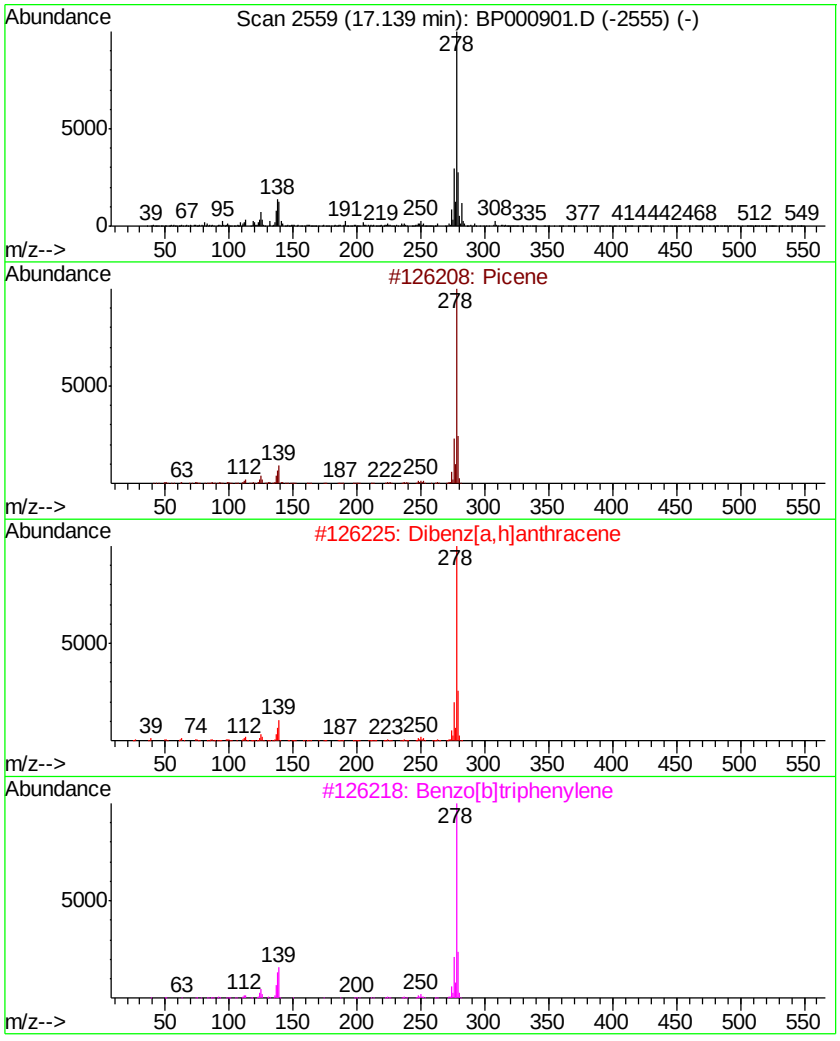
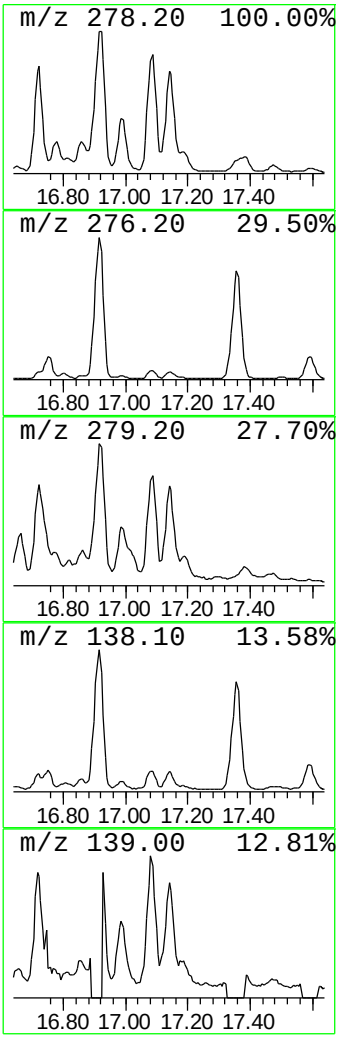
Peak Number 20 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	4.03 ng	301861	Perylene-d12	15.45

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	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	Pentaphene	278	C22H14	000222-93-5	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-2

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.52	6.52	62.9	ng	2633550	1	6.74	837671	20.0
9H-Fluoren-9-one	11.09	3.0	ng	233586	4	11.29	1539180	20.0
Phenanthrene, 2-m...	11.79	5.7	ng	439994	4	11.29	1539180	20.0
Phenanthrene, 1-m...	11.82	9.0	ng	691002	4	11.29	1539180	20.0
Anthracene, 2-met...	11.87	3.0	ng	229635	4	11.29	1539180	20.0
Benzaldehyde, 3,5...	11.90	9.5	ng	728488	4	11.29	1539180	20.0
Naphthalene, 2-ph...	12.09	4.3	ng	333960	4	11.29	1539180	20.0
9,10-Anthracenedione	12.12	4.0	ng	310148	4	11.29	1539180	20.0
Phenanthrene, 2,3...	12.25	3.2	ng	243500	4	11.29	1539180	20.0
Phenanthrene, 2,5...	12.35	4.4	ng	337522	4	11.29	1539180	20.0
unknown12.39	12.39	3.2	ng	242986	4	11.29	1539180	20.0
Cyclopenta(def)ph...	12.44	4.7	ng	360772	4	11.29	1539180	20.0
Benz(a)anthracene...	14.75	3.0	ng	222673	6	15.45	1496860	20.0
3H-Pyrrolo[3,2-f]...	14.85	3.8	ng	286279	6	15.45	1496860	20.0
Benzo[e]pyrene	15.12	7.4	ng	554308	6	15.45	1496860	20.0
Dinaphtho[1,2-b:1...	15.21	6.9	ng	513295	6	15.45	1496860	20.0
Perylene	15.32	27.9	ng	2091660	6	15.45	1496860	20.0
Benzo[b]triphenylene	17.09	4.0	ng	299509	6	15.45	1496860	20.0
Picene	17.14	4.0	ng	301861	6	15.45	1496860	20.0