LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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	5.381	557	560	588	rBV	1812851	2798819	50.34%	3.673%
2	6.399	729	733	750	rBV	2230674	2973026	53.48%	3.902%
3	6.522	750	754	761	rVB	3142552	3010221	54.14%	3.950%
4	6.740	787	791	795	rBV	1161069	897931	16.15%	1.178%
5	6.899	814	818	821	rBV	2953486	2469169	44.41%	3.240%
6	7.299	882	886	890	rBV	1860528	1756712	31.60%	2.305%
7	8.022	1006	1009	1012	rBV	1518095	1145323	20.60%	1.503%
8	9.104	1189	1193	1196	rBV	4853683	3801513	68.38%	4.989%
9	9.228	1211	1214	1217	rVB	157362	123396	2.22%	0.162%
10	9.499	1257	1260	1268	rVB	875600	716354	12.89%	0.940%
11	9.646	1282	1285	1291	rVB	190908	148924	2.68%	0.195%
12	9.787	1303	1309	1312	rBV	1768092	1400259	25.19%	1.838%
13	9.816	1312	1314	1318	rVB	184800	154376	2.78%	0.203%
14	9.993	1340	1344	1348	rBV	136024	113881	2.05%	0.149%
15	10.340	1399	1403	1407	rVB	150339	146369	2.63%	0.192%
16	10.381	1407	1410	1413	rBV2	61810	80388	1.45%	0.105%
17	10.581	1440	1444	1450	rBV	2761483	2578565	46.38%	3.384%
18	10.893	1489	1497	1500	rBV4	61813	105743	1.90%	0.139%
19	11.022	1514	1519	1521	rBV2	64437	76630	1.38%	0.101%
20	11.046	1521	1523	1528	rVV	73821	81486	1.47%	0.107%
21	11.087	1528	1530	1535	rVV	150094	144966	2.61%	0.190%
22	11.140	1535	1539	1541	rVV3	74657	99454	1.79%	0.131%
23	11.181	1543	1546	1551	rVB	112885	118123	2.12%	0.155%
24	11.287	1560	1564	1566	rBV	1691584	1559142	28.04%	2.046%
25	11.310	1566	1568	1571	rVV	2259384	1668925	30.02%	2.190%
26	11.357	1571	1576	1580	rVB	522638	522918	9.41%	0.686%
27	11.398	1580	1583	1586	rBV2	78362	76399	1.37%	0.100%
28	11.516	1598	1603	1606	rBV2	233371	275164	4.95%	0.361%
29	11.793	1645	1650	1652	rBV	391801	336079	6.05%	0.441%
30	11.822	1652	1655	1659	rVV	594696	584802	10.52%	0.767%
31	11.869	1659	1663	1666	rVV2	215832	198834	3.58%	0.261%
32	11.904	1666	1669	1672	rVV	518577	562609	10.12%	0.738%
33	11.928	1672	1673	1678	rVB	274073	174286	3.13%	0.229%
34	12.092	1696	1701	1703	rBV	230324	240211	4.32%	0.315%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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	12.116	1703	1705	1709	rVB	255267	238065	4.28%	0.312%
36	12.245	1721	1727	1730	rBV3	146932	179524	3.23%	0.236%
37	12.275	1730	1732	1734	rBV	105096	76466	1.38%	0.100%
38	12.351	1739	1745	1750	rBV	622648	869672	15.64%	1.141%
39	12.440	1757	1760	1764	rBV	246153	244954	4.41%	0.321%
40	12.516	1769	1773	1776	rBV	3721543	3288355	59.15%	4.315%
41	12.557	1776	1780	1782	rVV3	156659	151434	2.72%	0.199%
42	12.581	1782	1784	1787	rVB2	103201	87962	1.58%	0.115%
43	12.663	1792	1798	1802	rVV3	118244	211738	3.81%	0.278%
44	12.745	1806	1812	1815	rBV2	3040692	3439900	61.87%	4.514%
45	12.769	1815	1816	1818	rVV	187256	138897	2.50%	0.182%
46	12.792	1818	1820	1826	rVB2	175295	241342	4.34%	0.317%
47	12.869	1829	1833	1834	rBV	232812	274159	4.93%	0.360%
48	12.892	1834	1837	1844	rVB	4578376	4055969	72.95%	5.323%
49	12.969	1844	1850	1853	rBV2	264208	445723	8.02%	0.585%
50	13.028	1857	1860	1862	rBV3	93764	101712	1.83%	0.133%
51	13.051	1862	1864	1866	rVV2	262169	297799	5.36%	0.391%
52	13.081	1866	1869	1872	rVB	468084	473227	8.51%	0.621%
53	13.145	1877	1880	1882	rVB	248468	202871	3.65%	0.266%
54	13.181	1882	1886	1889	rBV2	412904	457428	8.23%	0.600%
55	13.240	1894	1896	1899	rVV	101731	112392	2.02%	0.147%
56	13.275	1899	1902	1905	rVV	238845	237729	4.28%	0.312%
57	13.310	1905	1908	1911	rVV2	279023	307109	5.52%	0.403%
58	13.375	1915	1919	1922	rVV	2926953	2457937	44.21%	3.226%
59	13.398	1922	1923	1926	rVB	104106	85116	1.53%	0.112%
60	13.487	1932	1938	1939	rBV5	90013	166155	2.99%	0.218%
61	13.598	1954	1957	1961	rVB	419120	420037	7.56%	0.551%
62	13.704	1971	1975	1978	rBV	438231	512234	9.21%	0.672%
63	13.734	1978	1980	1982	rVV	334380	256970	4.62%	0.337%
64	13.757	1982	1984	1990	rVV3	290034	388139	6.98%	0.509%
65	13.810	1990	1993	2000	rVB2	601290	764520	13.75%	1.003%
66	13.875	2002	2004	2010	rVB	84597	100616	1.81%	0.132%
67	13.951	2011	2017	2021	rBV3	3499223	5559587	100.00%	7.296%
68	13.992	2021	2024	2026	rVB	1708946	1574641	28.32%	2.066%
69	14.069	2031	2037	2039	rBV2	328264	338939	6.10%	0.445%
70	14.110	2042	2044	2046	rVV	101833	123753	2.23%	0.162%
71	14.134	2046	2048	2050	rVV3	142450	170996	3.08%	0.224%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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	14.157	2050	2052	2054	rVV	163251	154187	2.77%	0.202%
73	14.192	2054	2058	2061	rVV2	213369	278268	5.01%	0.365%
74	14.228	2061	2064	2066	rVV4	88867	84725	1.52%	0.111%
75	14.287	2071	2074	2075	rVV2	96142	103986	1.87%	0.136%
76	14.316	2077	2079	2081	rVV	170624	181603	3.27%	0.238%
77	14.357	2081	2086	2088	rVV	497321	584385	10.51%	0.767%
78	14.387	2088	2091	2095	rVV3	274970	365612	6.58%	0.480%
79	14.445	2098	2101	2104	rVV3	234678	370834	6.67%	0.487%
80	14.481	2104	2107	2109	rVV	315616	333776	6.00%	0.438%
81	14.504	2109	2111	2114	rVV2	226216	220271	3.96%	0.289%
82	14.551	2114	2119	2125	rVB3	165783	277757	5.00%	0.365%
83	14.669	2136	2139	2141	rBV2	167504	149990	2.70%	0.197%
84	14.751	2150	2153	2156	rBV3	232619	257317	4.63%	0.338%
85	14.828	2163	2166	2167	rBV2	112737	108772	1.96%	0.143%
86	14.851	2167	2170	2174	rVB2	164164	210982	3.79%	0.277%
87	15.016	2193	2198	2201	rBV	1996091	3056818	54.98%	4.011%
88	15.092	2207	2211	2213	rBV	192441	197532	3.55%	0.259%
89	15.122	2213	2216	2219	rVB	356167	343407	6.18%	0.451%
90	15.210	2228	2231	2233	rBV2	100867	147958	2.66%	0.194%
91	15.316	2244	2249	2255	rVB	1113327	1467197	26.39%	1.925%
92	15.381	2255	2260	2265	rBV	1528527	1918688	34.51%	2.518%
93	15.439	2265	2270	2273	rBV	1252404	1558286	28.03%	2.045%
94	15.469	2273	2275	2283	rVB2	541223	690216	12.41%	0.906%
95	15.910	2347	2350	2355	rVB3	86150	126517	2.28%	0.166%
96	16.910	2514	2520	2528	rVB2	698117	1331018	23.94%	1.747%
97	17.080	2545	2549	2554	rVB	108913	175835	3.16%	0.231%
98	17.139	2555	2559	2564	rVV2	117575	190364	3.42%	0.250%
99	17.351	2589	2595	2606	rVB	470281	959095	17.25%	1.259%
100	17.592	2632	2636	2641	rVB	89784	161363	2.90%	0.212%

Sum of corrected areas: 76201823

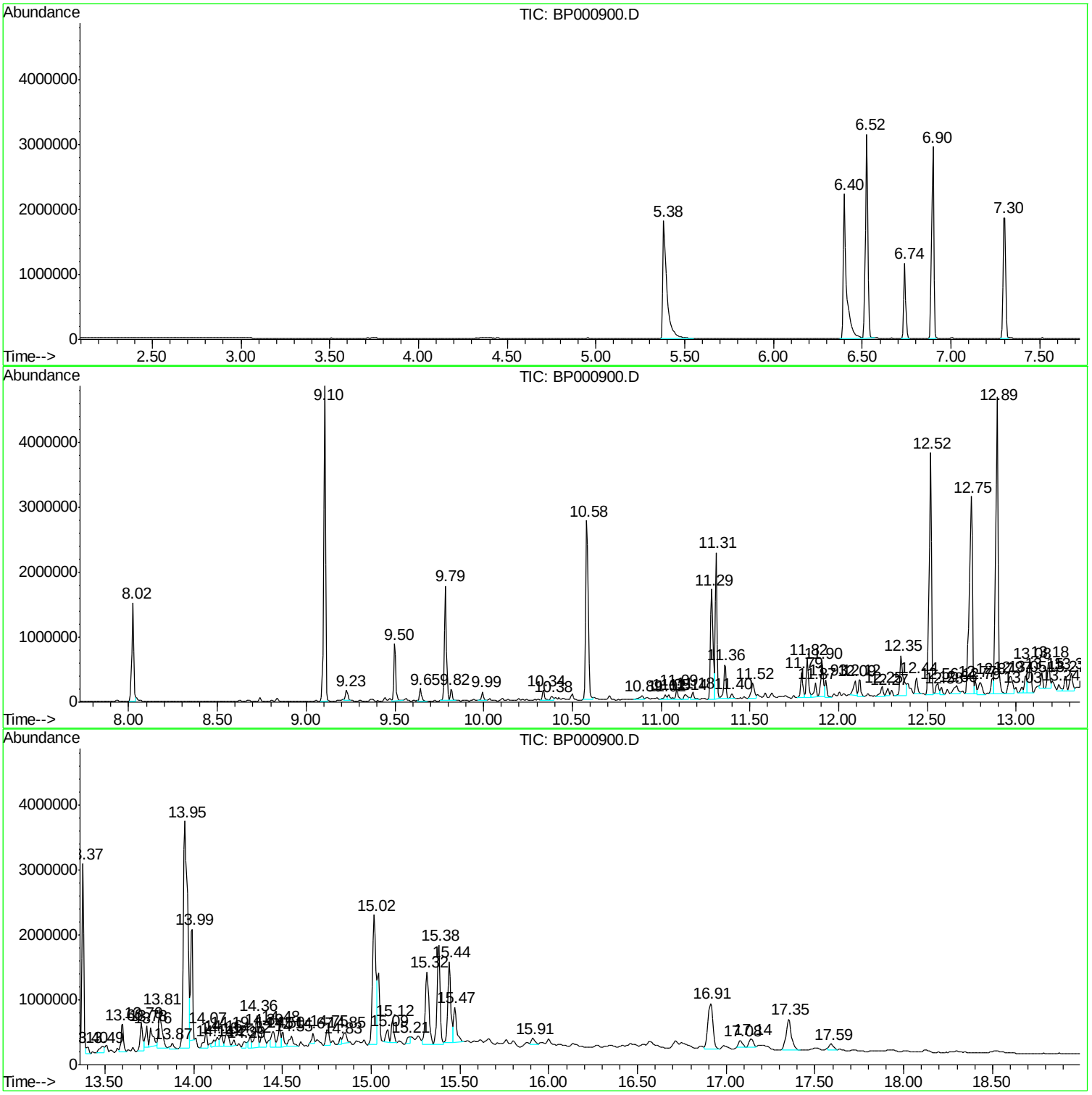
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

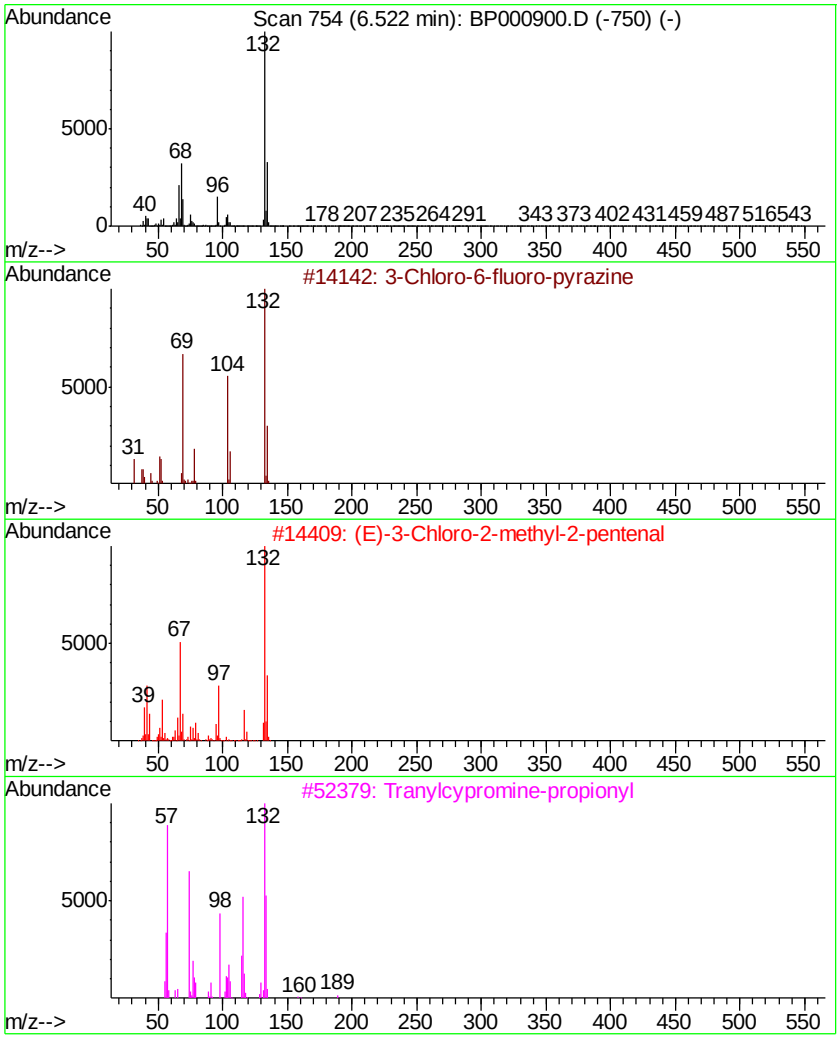
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

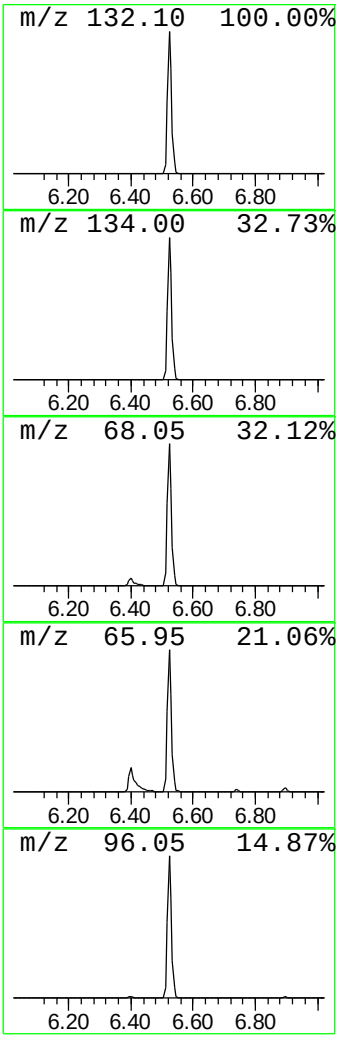
****

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	67.05 ng	3010220	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	16
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

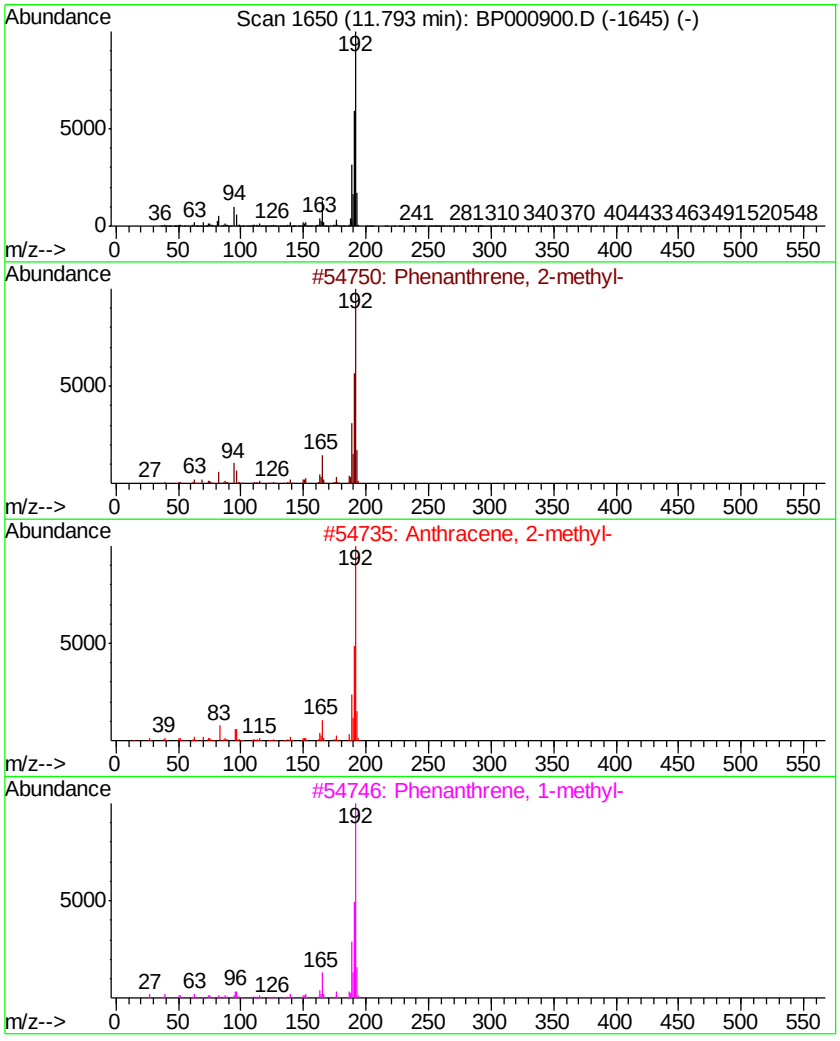
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

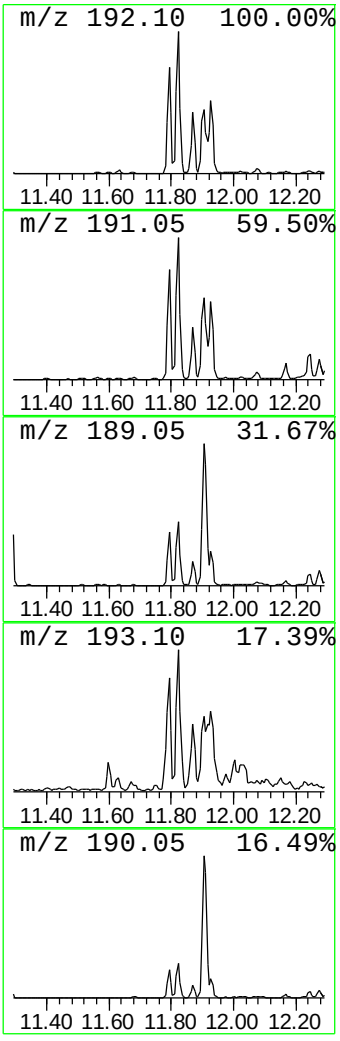
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.31 ng	336079	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

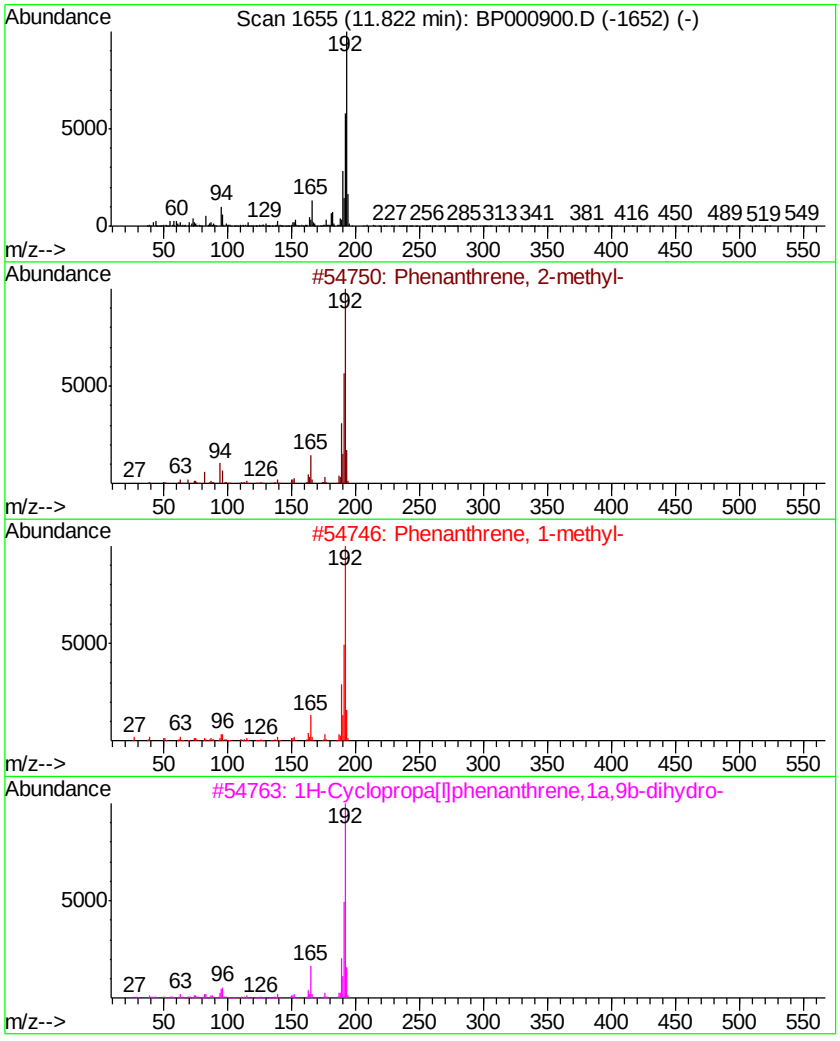
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

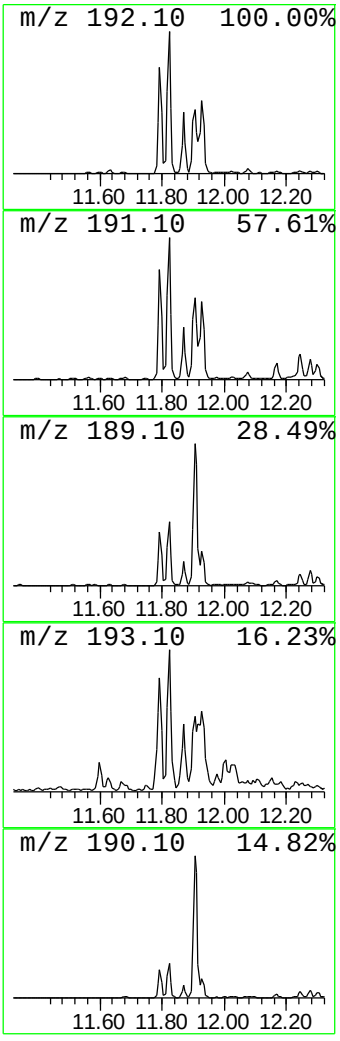
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	7.50 ng	584802	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

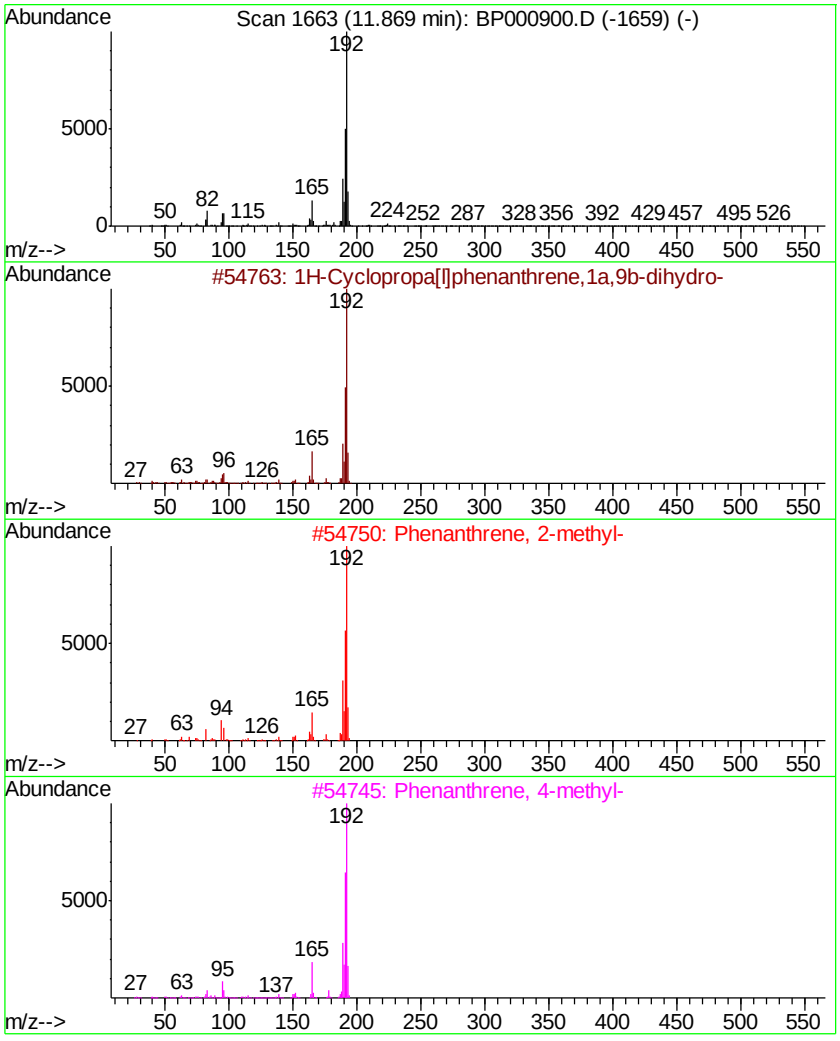
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

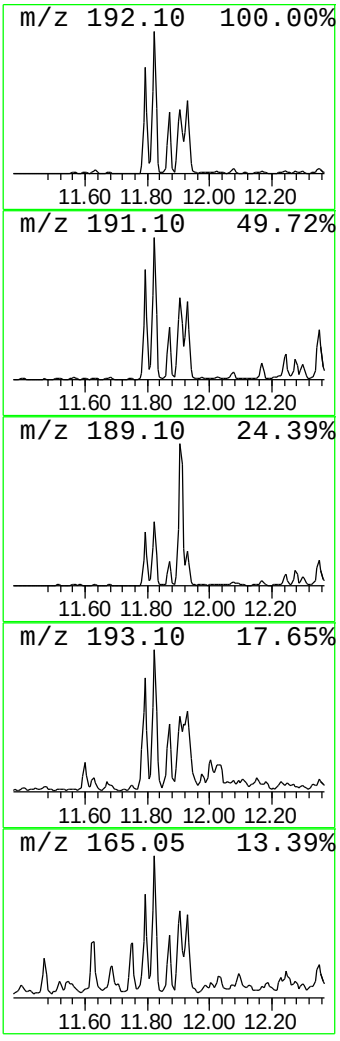
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.55 ng	198834	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

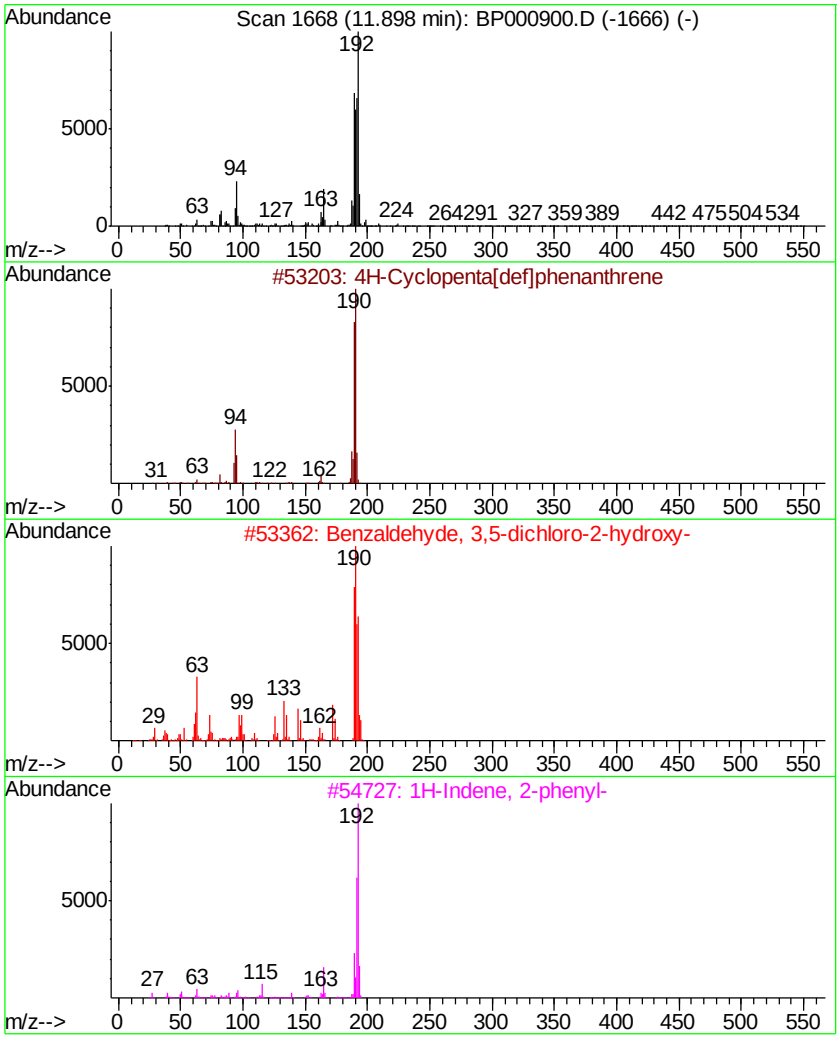
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

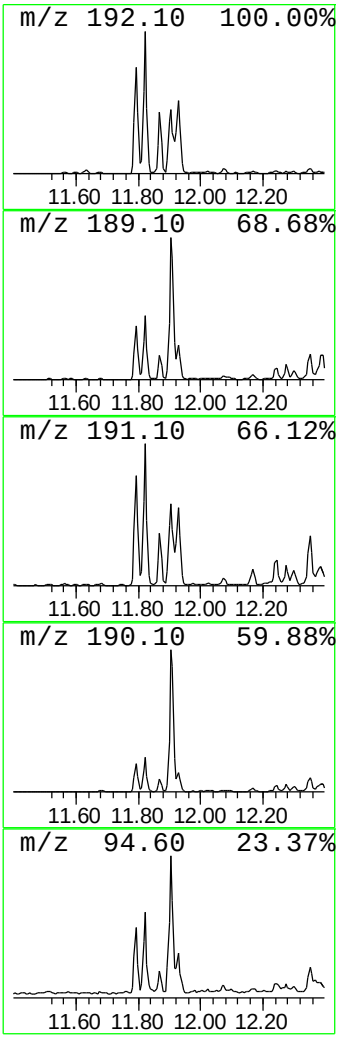
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.22 ng	562609	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

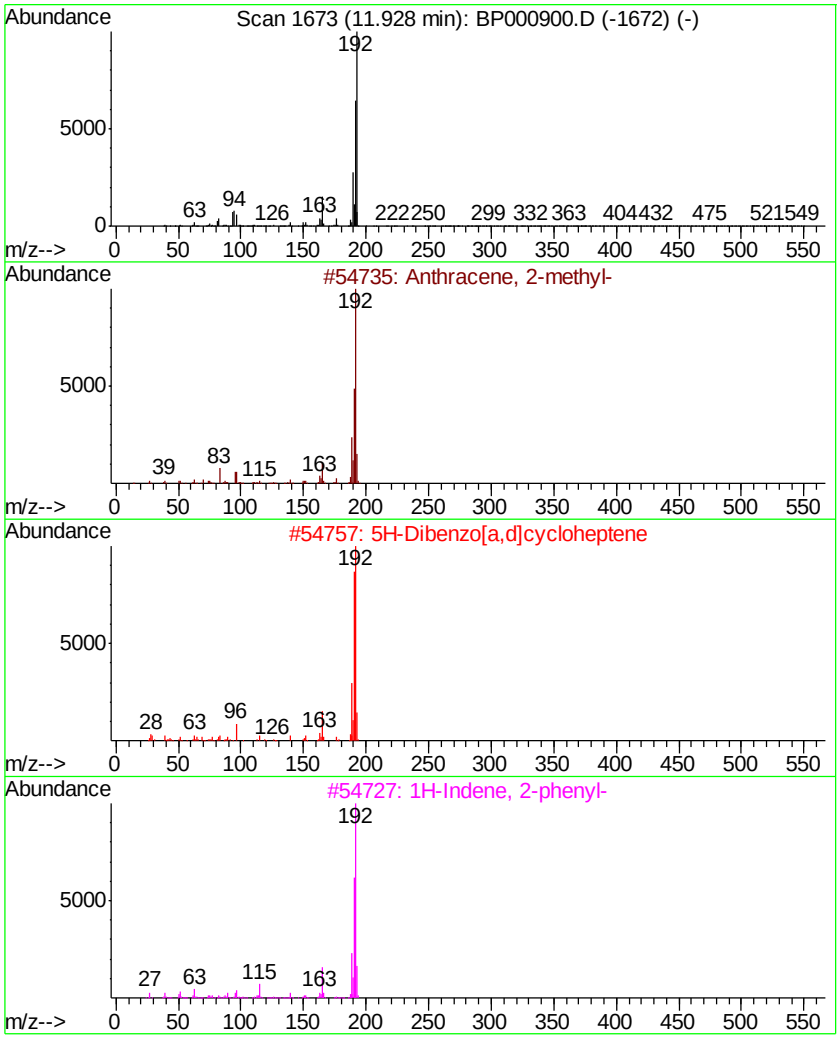
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

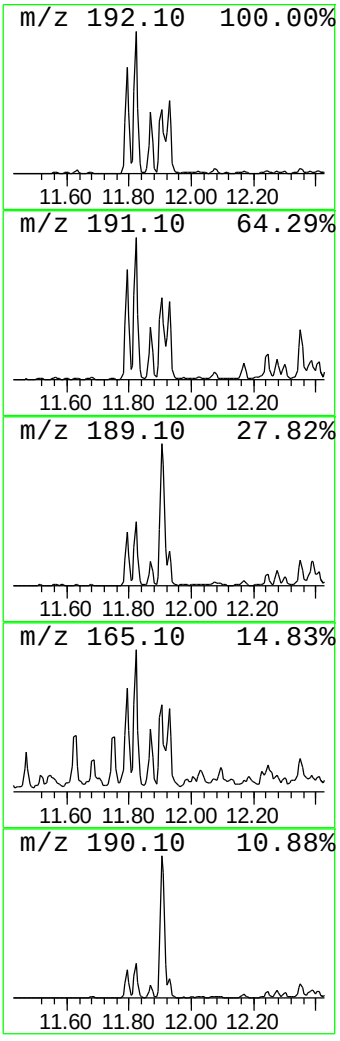
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.24 ng	174286	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

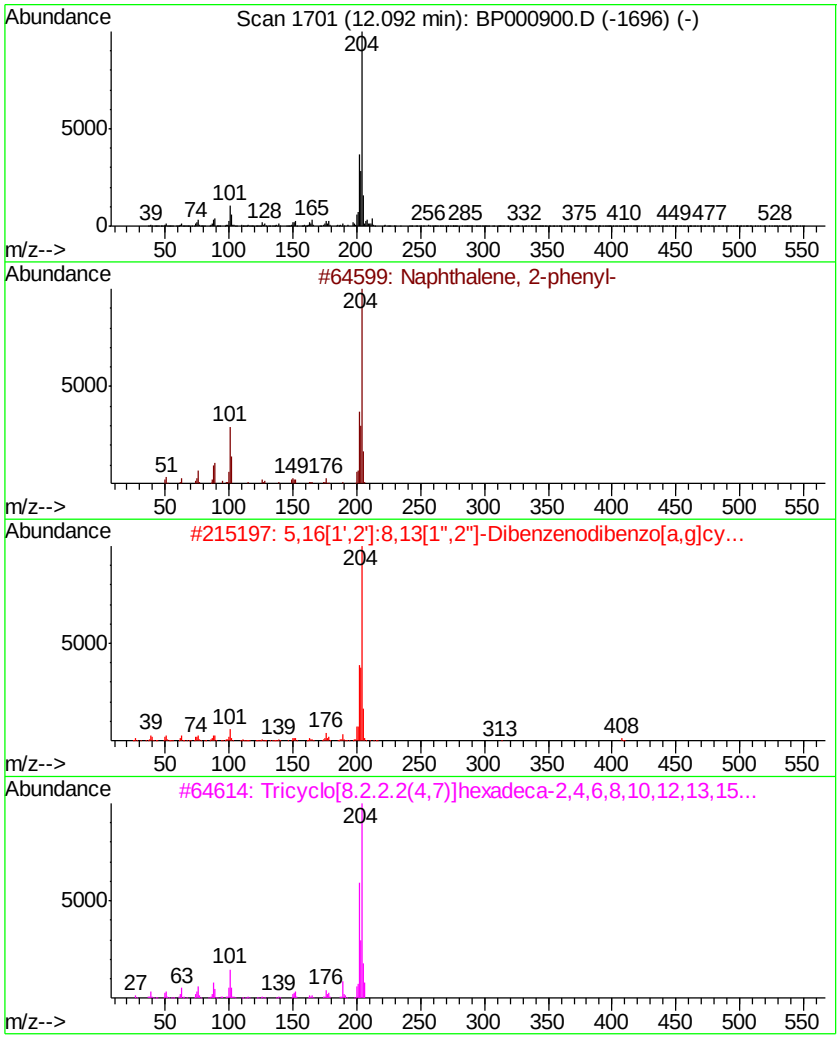
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

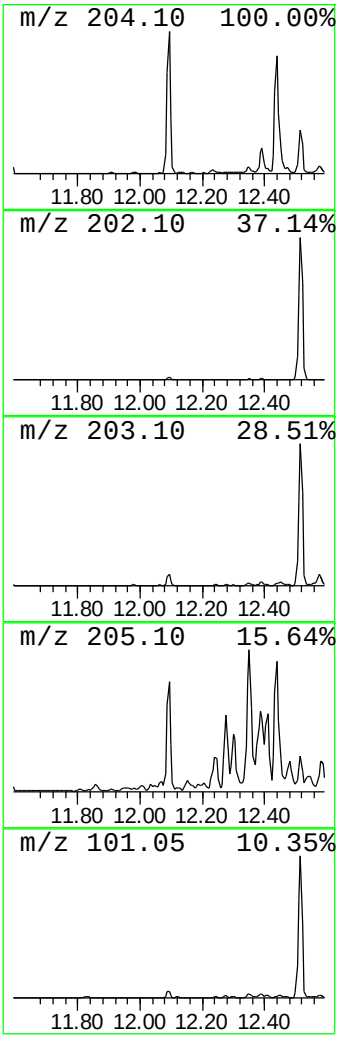
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.08 ng	240211	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	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

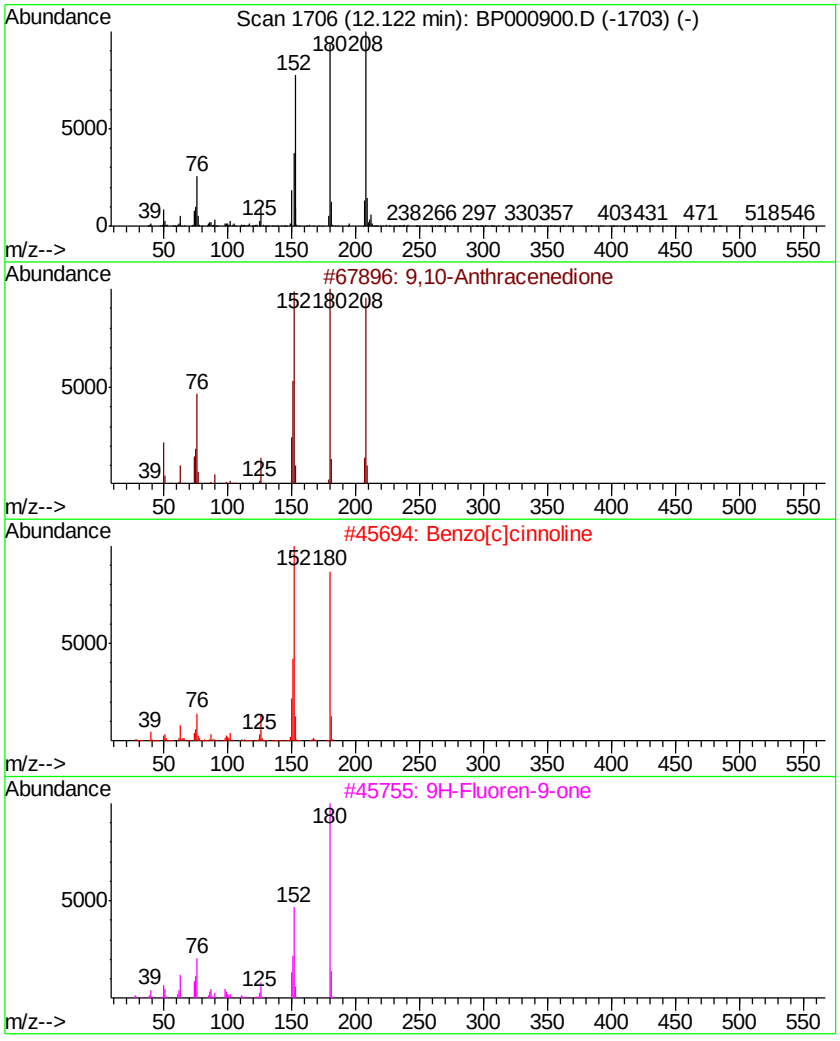
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

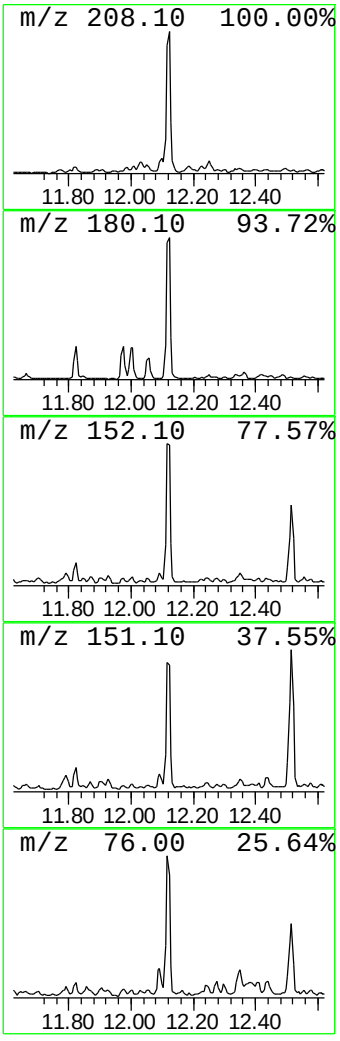
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.05 ng	238065	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

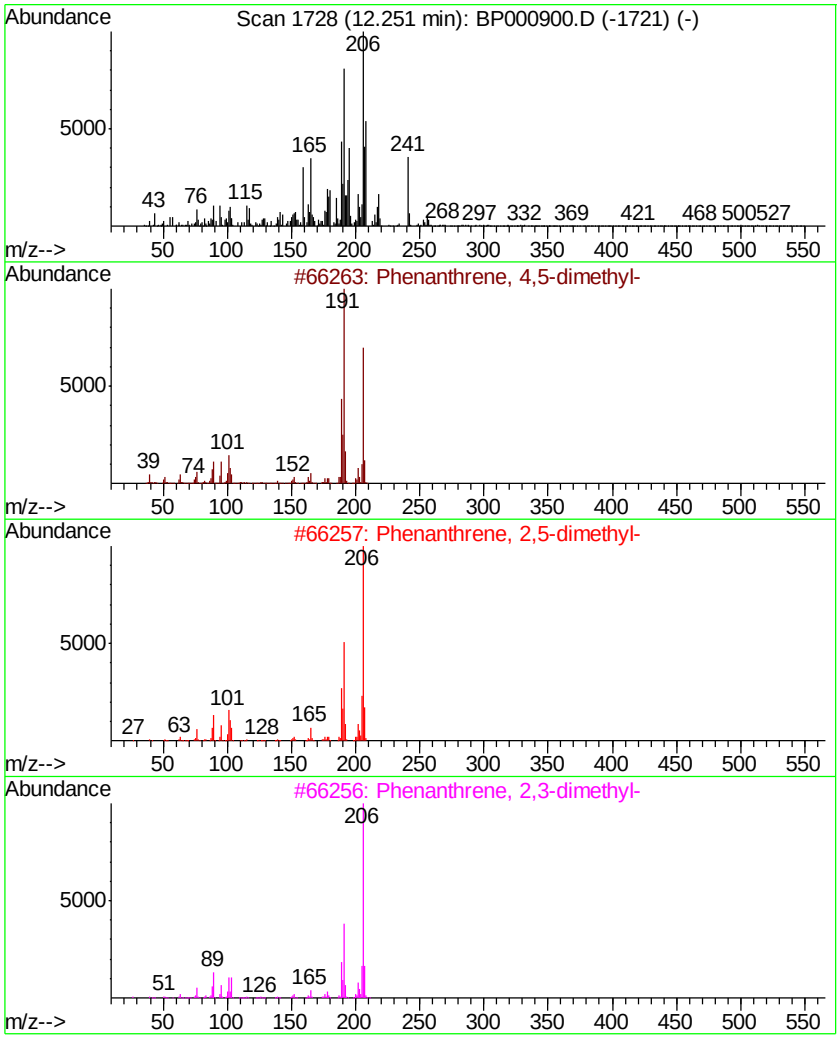
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

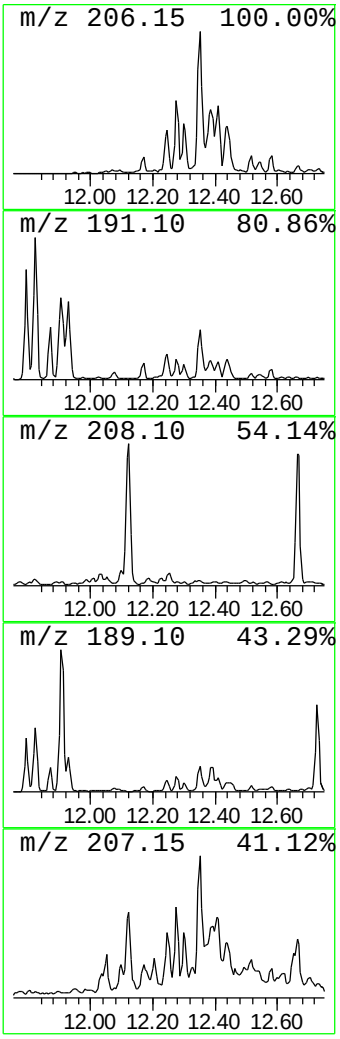
****

Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.30 ng	179524	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	86
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

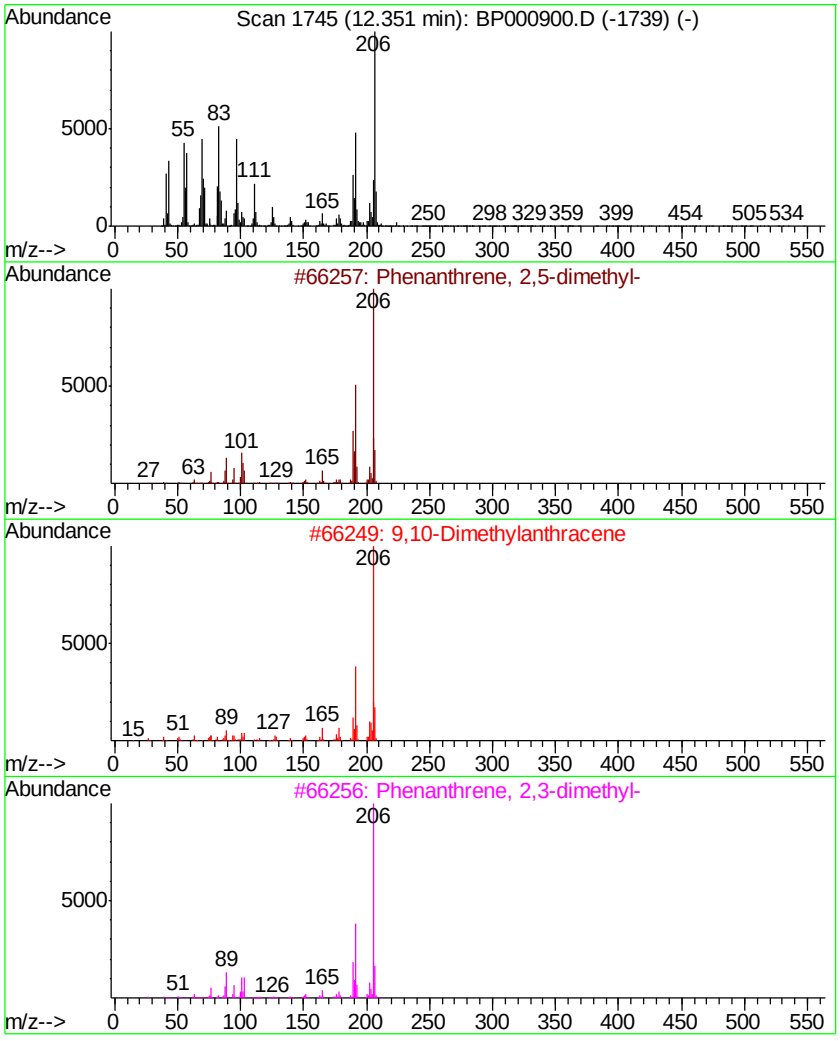
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

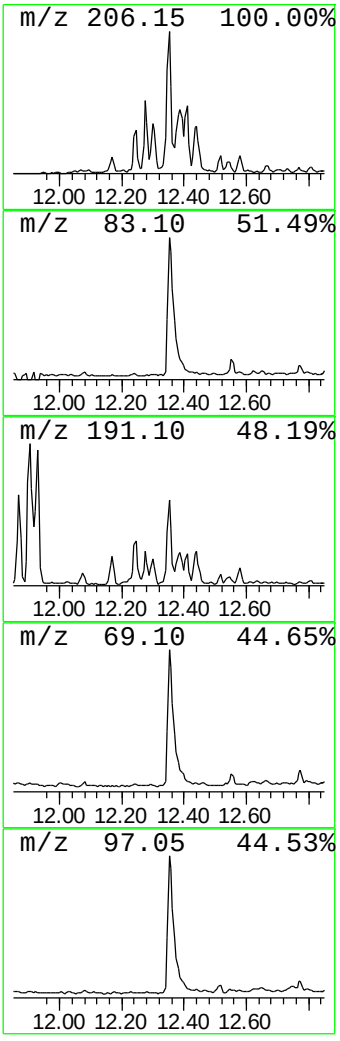
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	11.16 ng	869672	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

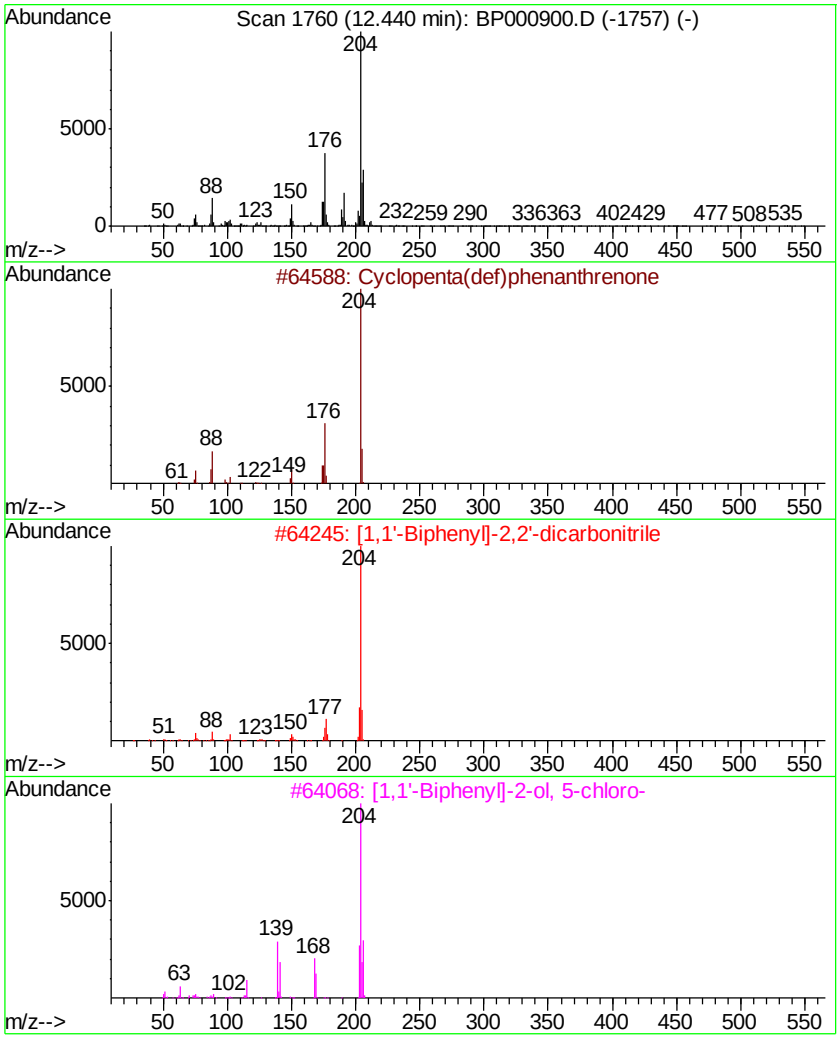
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

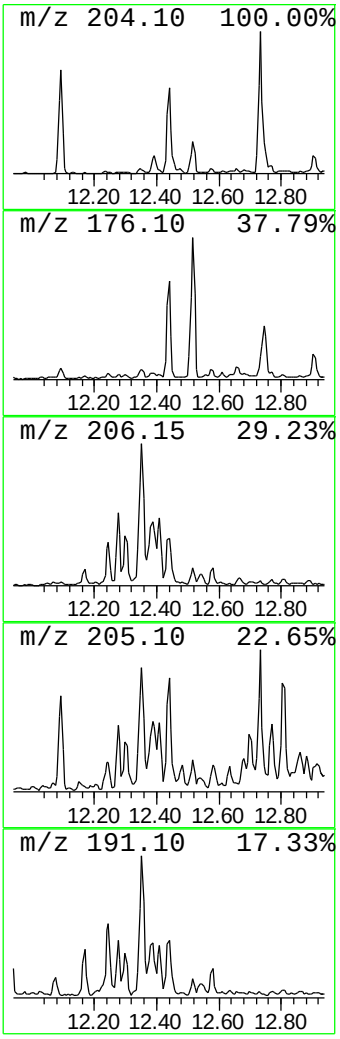
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	3.14 ng	244954	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

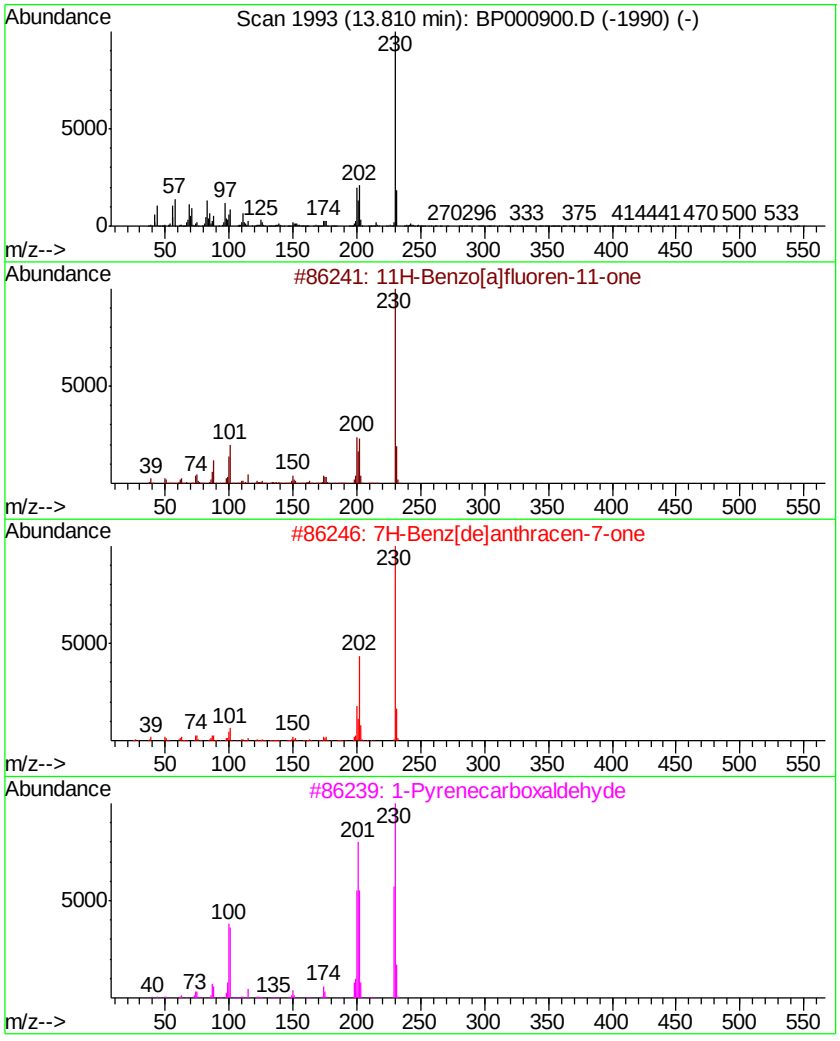
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

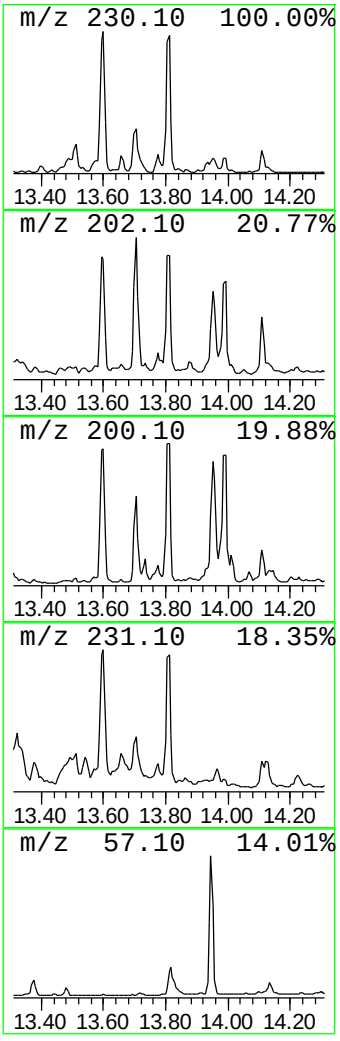
****

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	2.75 ng	764520	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	o-Terphenyl	230	C18H14	000084-15-1	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

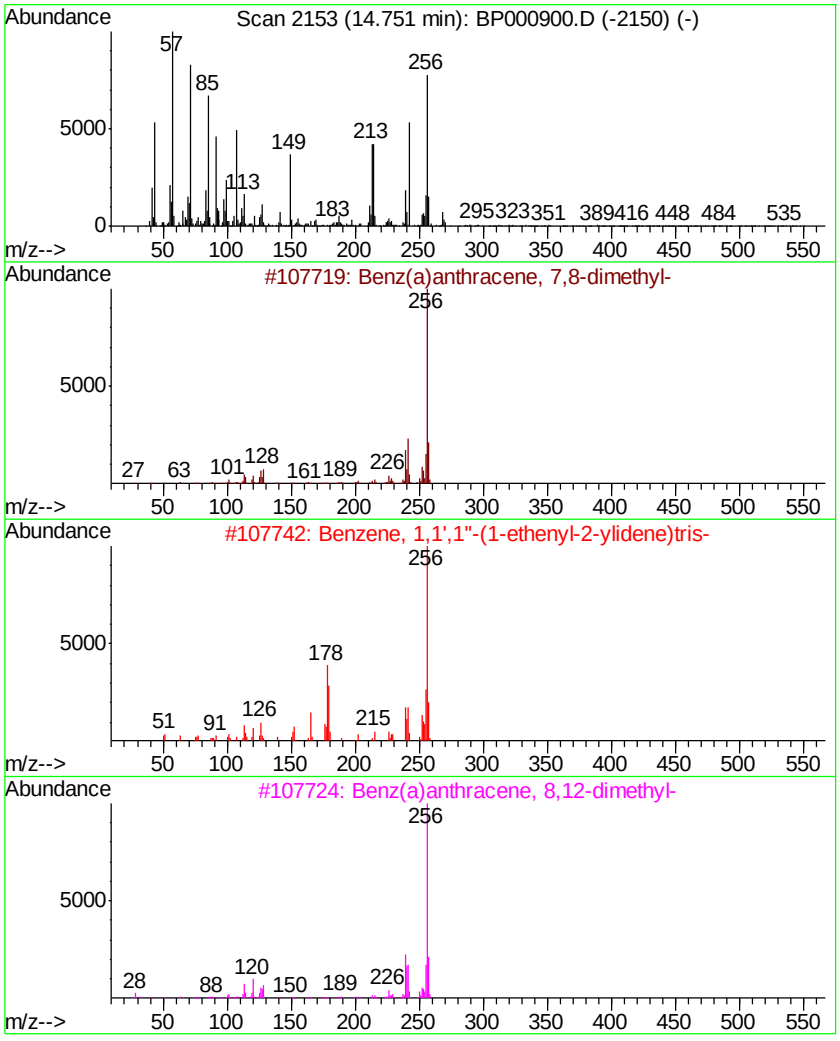
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

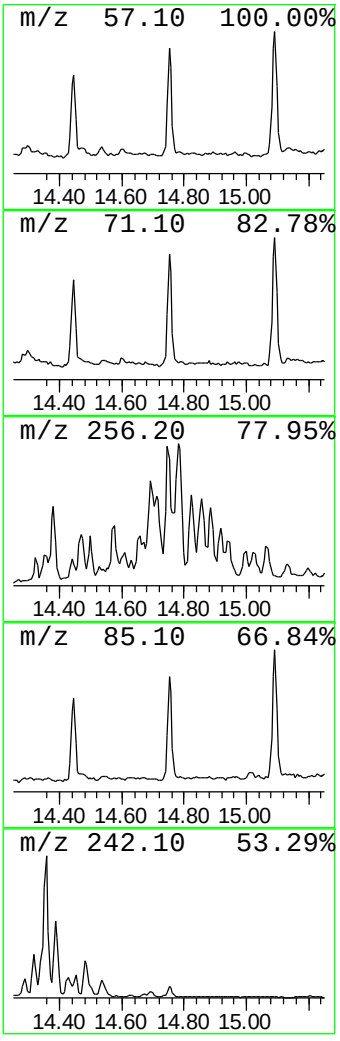
****

Peak Number 14 unknown14.75 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.30 ng	257317	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	25
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	15
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	15
4	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	15
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

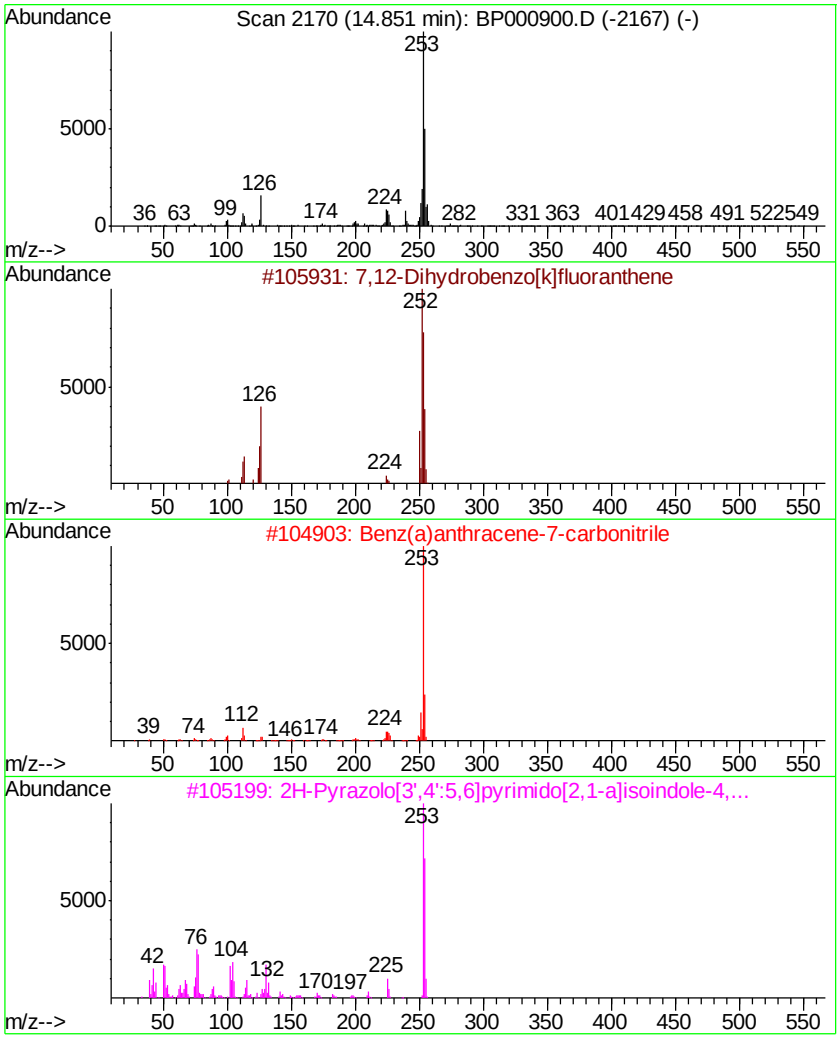
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

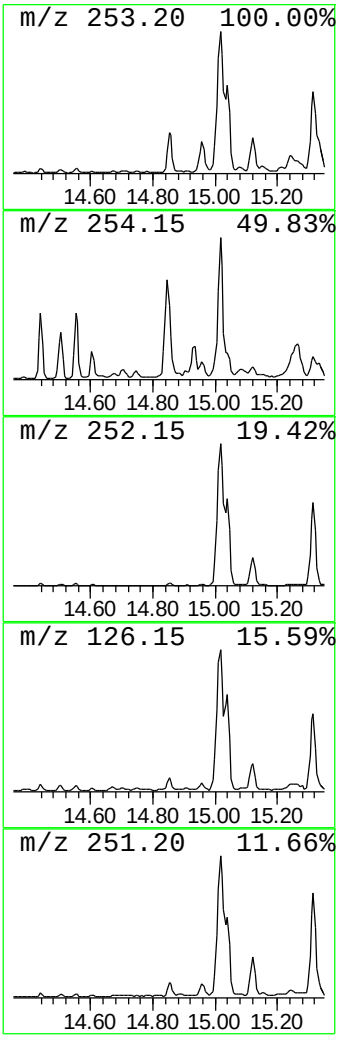
****

Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.71 ng	210982	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	81
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	50
4	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	50
5	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

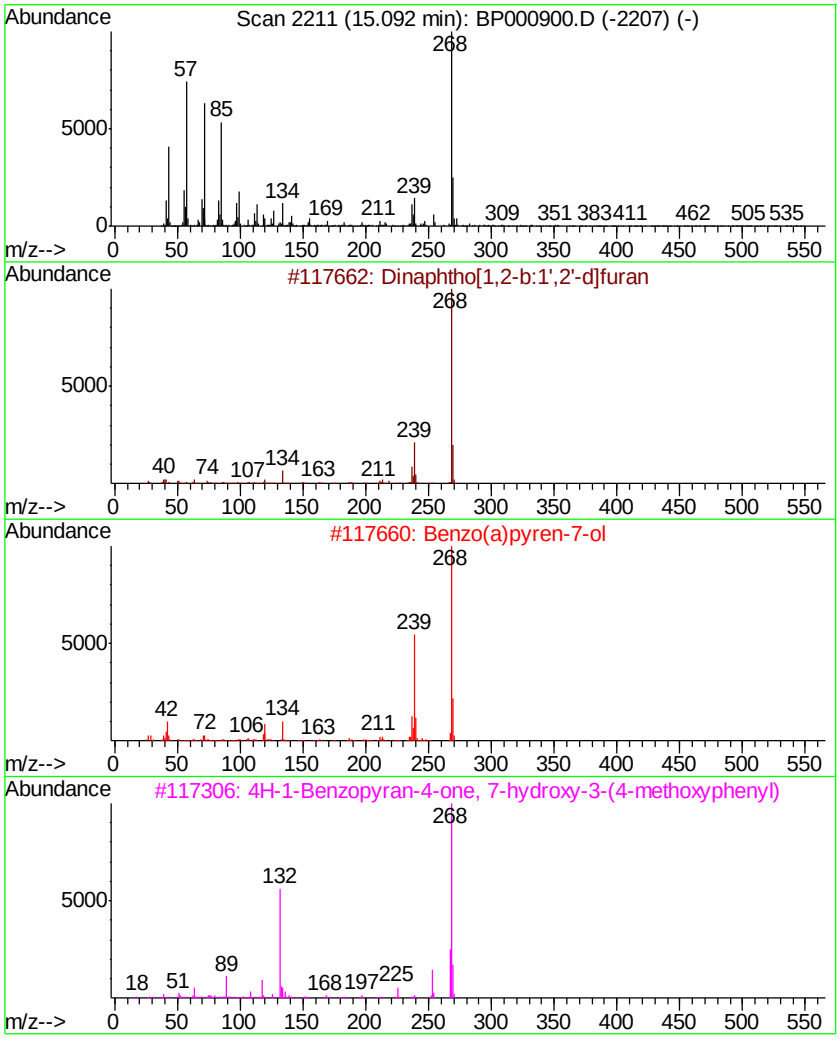
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

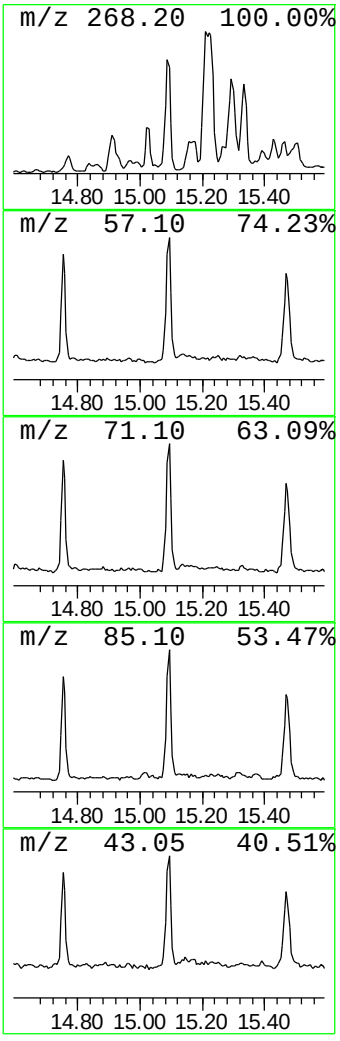
****

Peak Number 16 unknown15.09 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.54 ng	197532	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	49
2	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	43
3	4H-1-Benzopyran-4-one, 7-hydroxy...	268	C16H12O4	000485-72-3	43
4	3-Methylcholanthrene	268	C21H16	000056-49-5	43
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

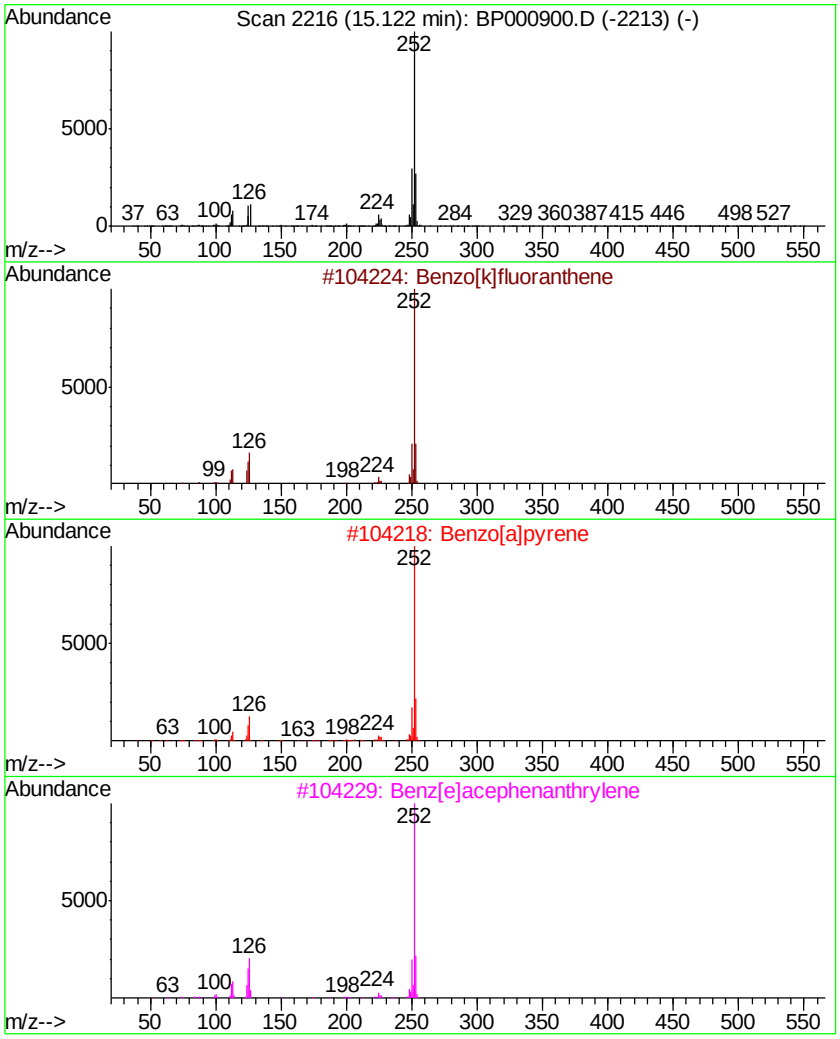
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

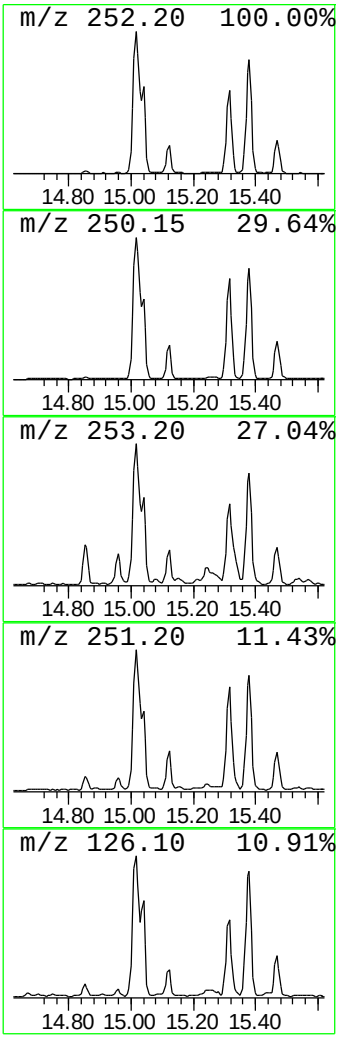
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	4.41 ng	343407	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Perylene	252	C20H12	000198-55-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

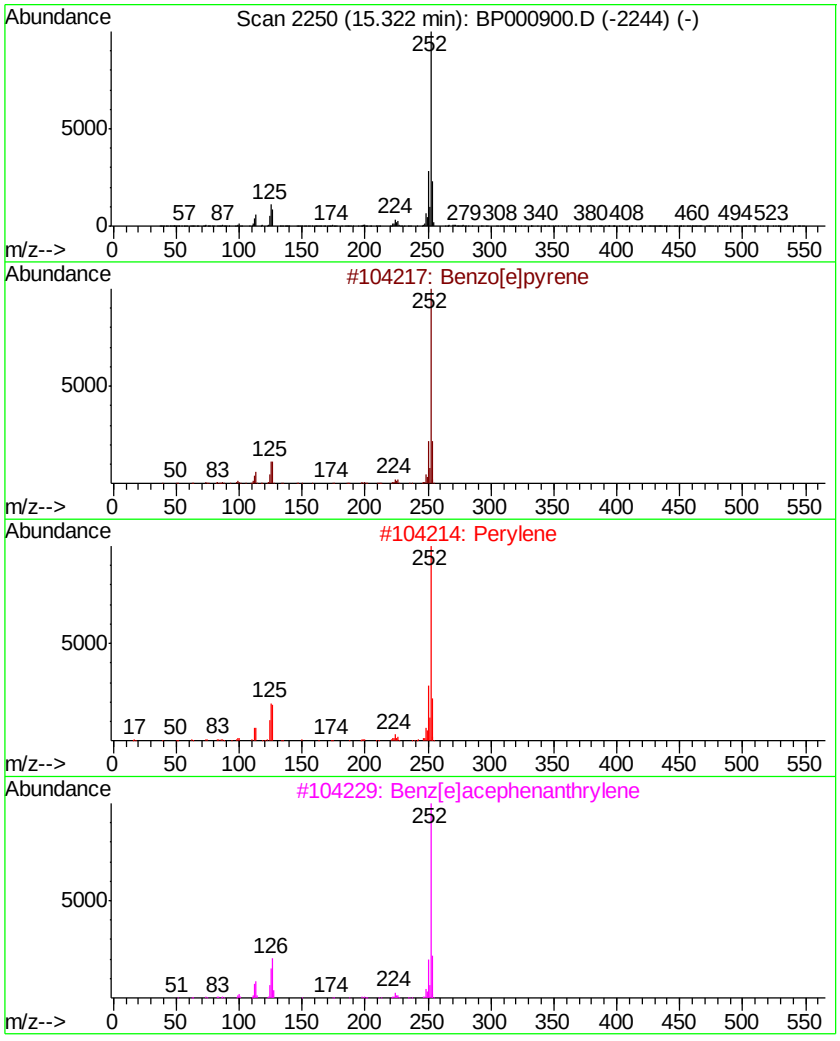
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

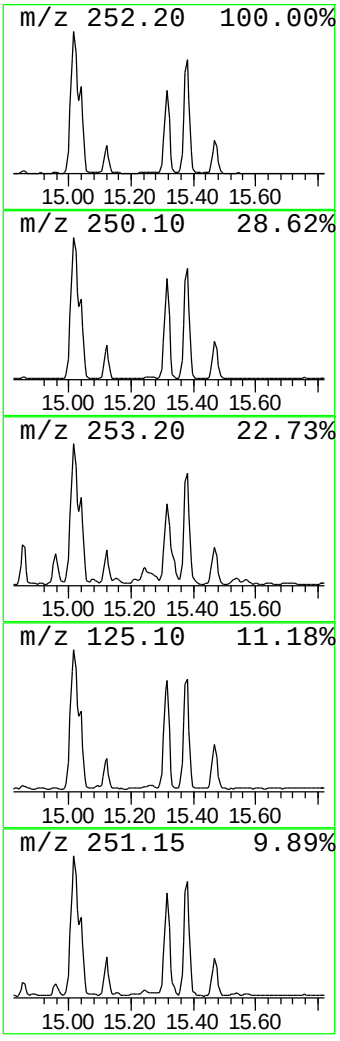
****

Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	18.83 ng	1467200	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

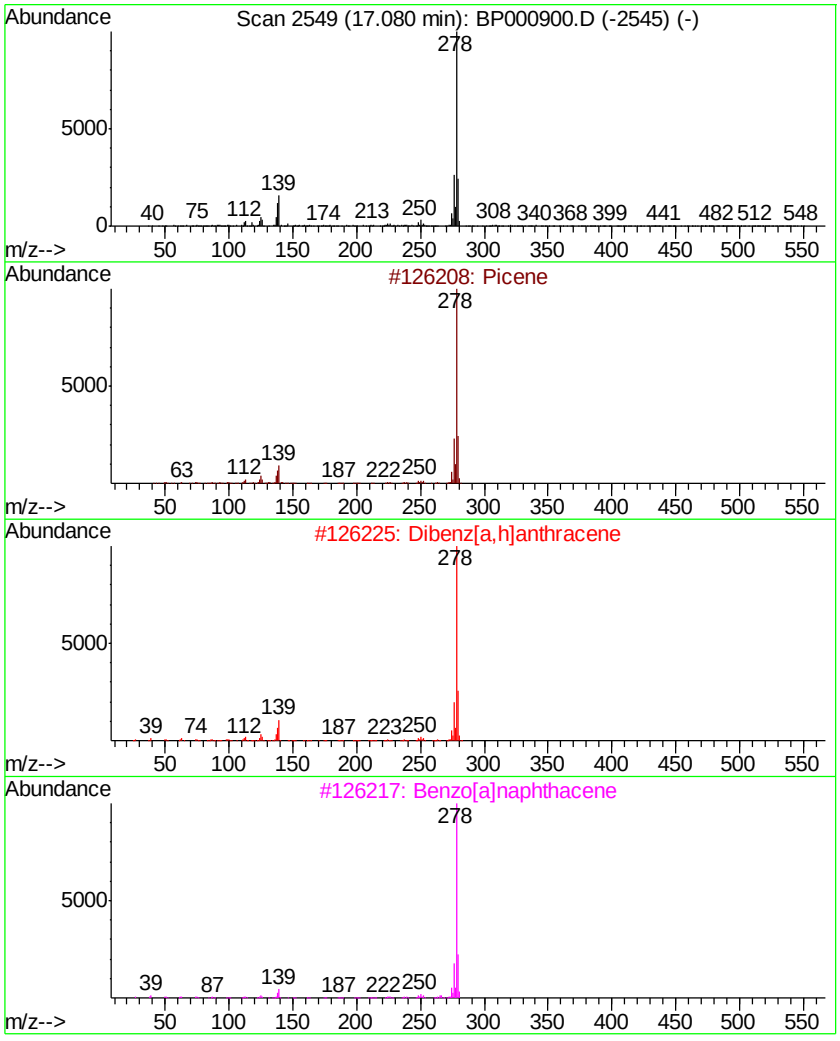
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

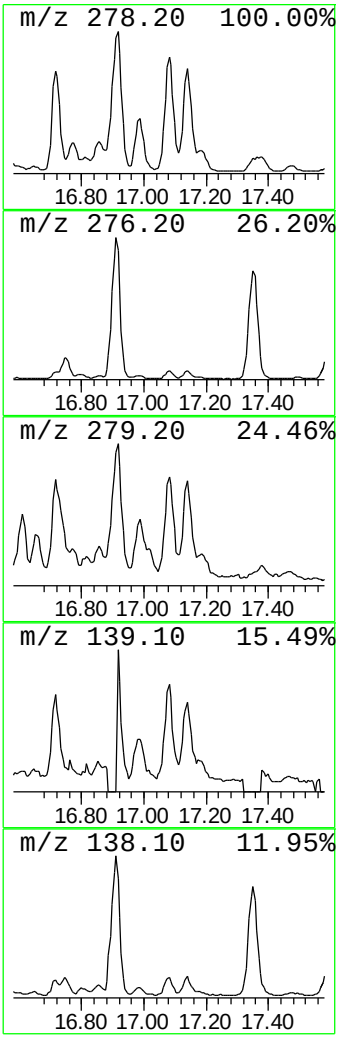
****

Peak Number 19 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	2.26 ng	175835	Perylene-d12	15.44

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[a]naphthacene	278	C22H14	000226-88-0	95
4	Pentaphene	278	C22H14	000222-93-5	94
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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

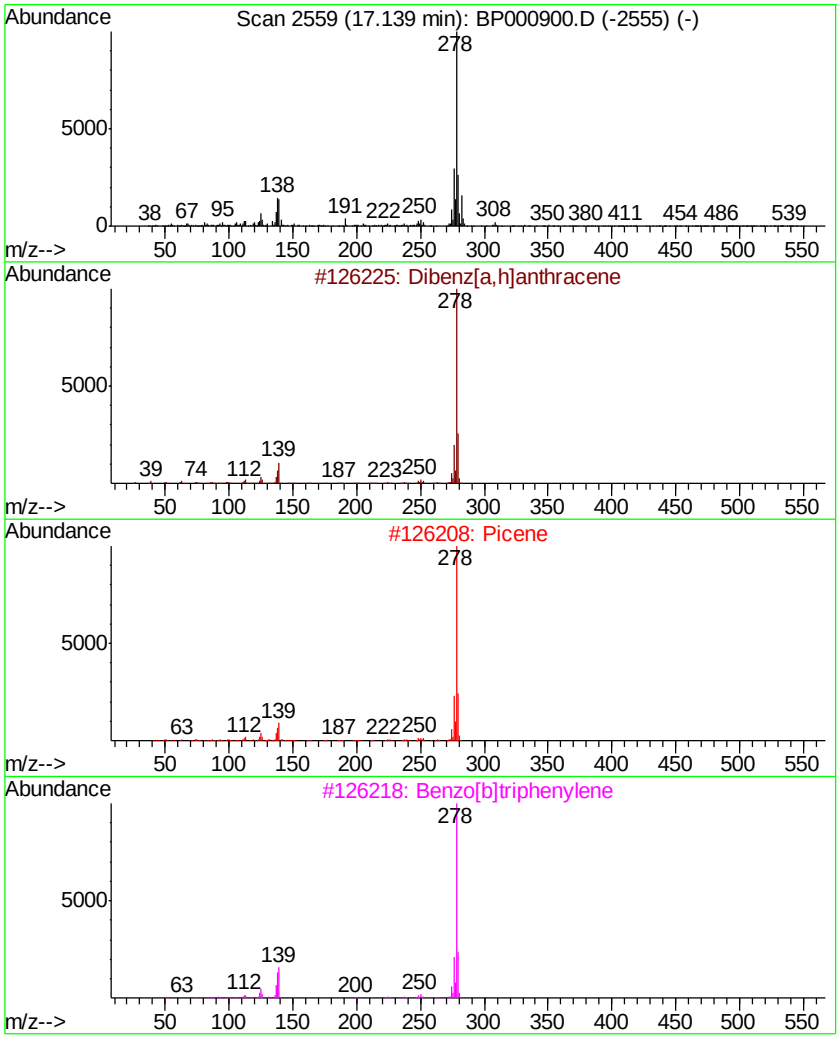
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

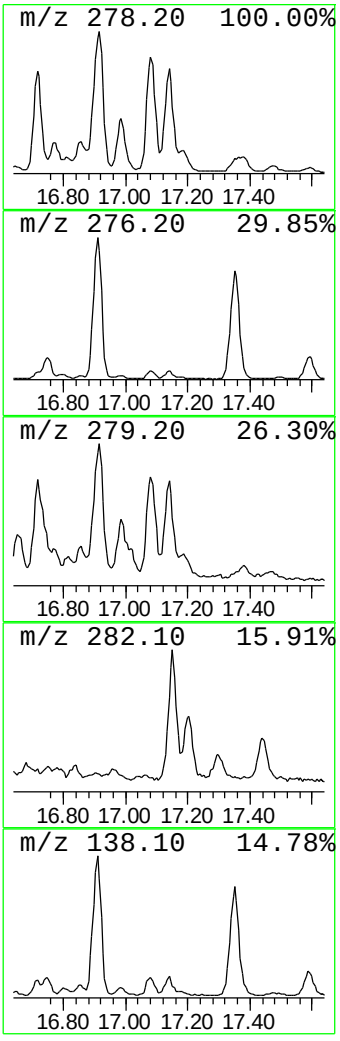
****

Peak Number 20 Dibenz[a,h]anthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.44 ng	190364	Perylene-d12	15.44

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101819\
Data File : BP000900.D
Acq On : 19 Oct 2019 01:05
Operator : JU
Sample : K5420-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1

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	67.0	ng	3010220	1	6.74	897931	20.0
Phenanthrene, 2-m...	11.79	4.3	ng	336079	4	11.29	1559140	20.0
Phenanthrene, 1-m...	11.82	7.5	ng	584802	4	11.29	1559140	20.0
1H-Cyclopropa[l]p...	11.87	2.5	ng	198834	4	11.29	1559140	20.0
4H-Cyclopenta[def...	11.90	7.2	ng	562609	4	11.29	1559140	20.0
Anthracene, 2-met...	11.93	2.2	ng	174286	4	11.29	1559140	20.0
Naphthalene, 2-ph...	12.09	3.1	ng	240211	4	11.29	1559140	20.0
9,10-Anthracenedione	12.12	3.0	ng	238065	4	11.29	1559140	20.0
Phenanthrene, 4,5...	12.25	2.3	ng	179524	4	11.29	1559140	20.0
Phenanthrene, 2,5...	12.35	11.2	ng	869672	4	11.29	1559140	20.0
Cyclopenta(def)ph...	12.44	3.1	ng	244954	4	11.29	1559140	20.0
11H-Benzo[a]fluor...	13.81	2.8	ng	764520	5	13.96	5559590	20.0
unknown14.75	14.75	3.3	ng	257317	6	15.44	1558290	20.0
7,12-Dihydrobenzo...	14.85	2.7	ng	210982	6	15.44	1558290	20.0
unknown15.09	15.09	2.5	ng	197532	6	15.44	1558290	20.0
Benzo[e]pyrene	15.12	4.4	ng	343407	6	15.44	1558290	20.0
Perylene	15.32	18.8	ng	1467200	6	15.44	1558290	20.0
Picene	17.08	2.3	ng	175835	6	15.44	1558290	20.0
Dibenz[a,h]anthra...	17.14	2.4	ng	190364	6	15.44	1558290	20.0