LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.164	7	13	25	rVV	3215502	4146993	81.06%	6.347%
2	2.281	29	33	39	rVB	30174	39344	0.77%	0.060%
3	3.775	282	287	294	rVB	34942	49897	0.98%	0.076%
4	3.975	317	321	323	rVV	19322	25969	0.51%	0.040%
5	4.005	323	326	332	rVB	64845	80871	1.58%	0.124%
6	6.516	749	753	759	rBV2	247330	253971	4.96%	0.389%
7	6.575	759	763	767	rVV	215185	168991	3.30%	0.259%
8	6.663	774	778	785	rBV	307909	234660	4.59%	0.359%
9	6.899	814	818	821	rBV	1991875	1543993	30.18%	2.363%
10	7.263	877	880	884	rBV	340430	260946	5.10%	0.399%
11	7.299	884	886	890	rVB	26049	21517	0.42%	0.033%
12	7.452	908	912	915	rBV	252726	193818	3.79%	0.297%
13	7.781	964	968	974	rBV	161607	150267	2.94%	0.230%
14	8.022	1005	1009	1014	rBV	324537	261644	5.11%	0.400%
15	8.181	1033	1036	1039	rBV	2645675	2032261	39.73%	3.110%
16	8.204	1039	1040	1043	rVV	77482	38521	0.75%	0.059%
17	8.240	1043	1046	1055	rVB	65058	74056	1.45%	0.113%
18	8.899	1155	1158	1163	rVV	32831	28122	0.55%	0.043%
19	9.463	1251	1254	1258	rBV	34378	34640	0.68%	0.053%
20	9.534	1262	1266	1269	rBV3	20319	31151	0.61%	0.048%
21	9.610	1274	1279	1280	rBV4	17793	21867	0.43%	0.033%
22	9.634	1280	1283	1285	rBV	477235	362347	7.08%	0.555%
23	9.657	1285	1287	1291	rVB	110906	89549	1.75%	0.137%
24	9.793	1307	1310	1316	rBV	599320	502192	9.82%	0.769%
25	9.951	1333	1337	1340	rBV	2986212	2394183	46.80%	3.664%
26	9.981	1340	1342	1349	rVV	698648	574002	11.22%	0.879%
27	10.046	1349	1353	1360	rVV2	74252	100960	1.97%	0.155%
28	10.157	1369	1372	1376	rVB	73539	70655	1.38%	0.108%
29	10.475	1422	1426	1429	rBV	642801	543961	10.63%	0.833%
30	10.504	1429	1431	1435	rVV	90920	73637	1.44%	0.113%
31	10.546	1435	1438	1441	rVV2	52444	69624	1.36%	0.107%
32	10.569	1441	1442	1444	rVV	43637	32505	0.64%	0.050%
33	10.593	1444	1446	1449	rVV2	39270	36886	0.72%	0.056%
34	10.875	1490	1494	1498	rBV2	94983	100949	1.97%	0.155%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

35	11.257	1556	1559	1564	rVB	65017	58723	1.15%	0.090%
36	11.316	1565	1569	1572	rBV6	20818	36466	0.71%	0.056%
37	11.351	1572	1575	1580	rVB	111253	102324	2.00%	0.157%
38	11.457	1589	1593	1595	rBV	2770347	2532030	49.50%	3.875%
39	11.481	1595	1597	1600	rVV	1725206	1503815	29.40%	2.302%
40	11.510	1600	1602	1604	rVV	580226	574615	11.23%	0.879%
41	11.534	1604	1606	1609	rVV	399354	342130	6.69%	0.524%
42	11.569	1609	1612	1616	rVB	69978	78881	1.54%	0.121%
43	11.687	1627	1632	1640	rBV2	195602	235270	4.60%	0.360%
44	11.793	1647	1650	1654	rBV	107700	98344	1.92%	0.151%
45	11.881	1661	1665	1668	rVB	90554	105299	2.06%	0.161%
46	11.969	1677	1680	1682	rBV	435594	384046	7.51%	0.588%
47	11.998	1682	1685	1689	rVV	652061	616914	12.06%	0.944%
48	12.045	1690	1693	1696	rVV	89702	88510	1.73%	0.135%
49	12.081	1696	1699	1701	rVV	260553	284877	5.57%	0.436%
50	12.104	1701	1703	1708	rVB	169429	162852	3.18%	0.249%
51	12.210	1718	1721	1723	rBV	67314	60737	1.19%	0.093%
52	12.269	1728	1731	1733	rBV	169284	159219	3.11%	0.244%
53	12.298	1733	1736	1742	rVB2	142447	216739	4.24%	0.332%
54	12.345	1742	1744	1746	rBV	52171	44000	0.86%	0.067%
55	12.375	1746	1749	1752	rVB	53606	53397	1.04%	0.082%
56	12.422	1754	1757	1760	rVV	208772	185666	3.63%	0.284%
57	12.457	1760	1763	1765	rVV	338524	322403	6.30%	0.493%
58	12.481	1765	1767	1771	rVB	267771	242801	4.75%	0.372%
59	12.534	1772	1776	1779	rBV	313362	362671	7.09%	0.555%
60	12.569	1779	1782	1784	rVV2	113587	133914	2.62%	0.205%
61	12.592	1784	1786	1788	rVB	97021	76052	1.49%	0.116%
62	12.616	1788	1790	1795	rVB	202800	215379	4.21%	0.330%
63	12.657	1795	1797	1800	rVB	68367	57331	1.12%	0.088%
64	12.698	1800	1804	1809	rBV	2678926	2826700	55.26%	4.326%
65	12.745	1809	1812	1814	rBV	70406	76312	1.49%	0.117%
66	12.851	1827	1830	1834	rBV2	160513	210055	4.11%	0.321%
67	12.934	1837	1844	1850	rVV2	2966588	4453238	87.05%	6.816%
68	12.992	1851	1854	1858	rVB2	297651	351238	6.87%	0.538%
69	13.051	1859	1864	1866	rBV3	136020	237617	4.64%	0.364%
70	13.069	1866	1867	1869	rBV	60528	45513	0.89%	0.070%
71	13.157	1877	1882	1889	rBV4	247624	517863	10.12%	0.793%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

72	13.210	1889	1891	1894	rVV	143378	151774	2.97%	0.232%
73	13.245	1894	1897	1898	rVV2	184048	202763	3.96%	0.310%
74	13.269	1898	1901	1905	rVB	308180	381870	7.46%	0.584%
75	13.334	1910	1912	1915	rVV	188346	231037	4.52%	0.354%
76	13.375	1915	1919	1931	rVV2	1121001	1854741	36.26%	2.839%
77	13.469	1932	1935	1938	rVV	480072	562526	11.00%	0.861%
78	13.504	1938	1941	1944	rVV	405995	501627	9.81%	0.768%
79	13.545	1945	1948	1952	rVB	148368	169586	3.31%	0.260%
80	13.592	1953	1956	1959	rVV	76726	94761	1.85%	0.145%
81	13.657	1964	1967	1969	rBV2	111203	140523	2.75%	0.215%
82	13.792	1984	1990	1995	rBV	499436	766765	14.99%	1.174%
83	13.857	1998	2001	2005	rVB	250502	279569	5.46%	0.428%
84	13.910	2005	2010	2016	rBV3	930759	1774515	34.69%	2.716%
85	13.981	2016	2022	2025	rBV4	142984	297478	5.81%	0.455%
86	14.016	2025	2028	2035	rVB	231196	397260	7.77%	0.608%
87	14.081	2036	2039	2042	rBV	154297	208888	4.08%	0.320%
88	14.169	2046	2054	2056	rBV2	2756978	5115719	100.00%	7.830%
89	14.192	2056	2058	2066	rVV	2343002	3746804	73.24%	5.735%
90	14.257	2066	2069	2075	rVV2	543810	979803	19.15%	1.500%
91	14.334	2075	2082	2090	rVV2	482790	1248358	24.40%	1.911%
92	14.504	2107	2111	2113	rBV2	193034	288090	5.63%	0.441%
93	14.534	2114	2116	2117	rVV	172182	142076	2.78%	0.217%
94	14.575	2117	2123	2126	rVV2	1414244	2291076	44.79%	3.507%
95	14.604	2126	2128	2132	rVB2	573045	723923	14.15%	1.108%
96	14.934	2180	2184	2190	rBV5	396275	1027735	20.09%	1.573%
97	14.992	2191	2194	2196	rBV2	261414	315516	6.17%	0.483%
98	15.286	2238	2244	2258	rBV2	1348708	4243263	82.95%	6.494%
99	15.622	2294	2301	2305	rBV	890719	2226119	43.52%	3.407%
100	15.681	2306	2311	2317	rVB	1076462	2274287	44.46%	3.481%

Sum of corrected areas: 65337342

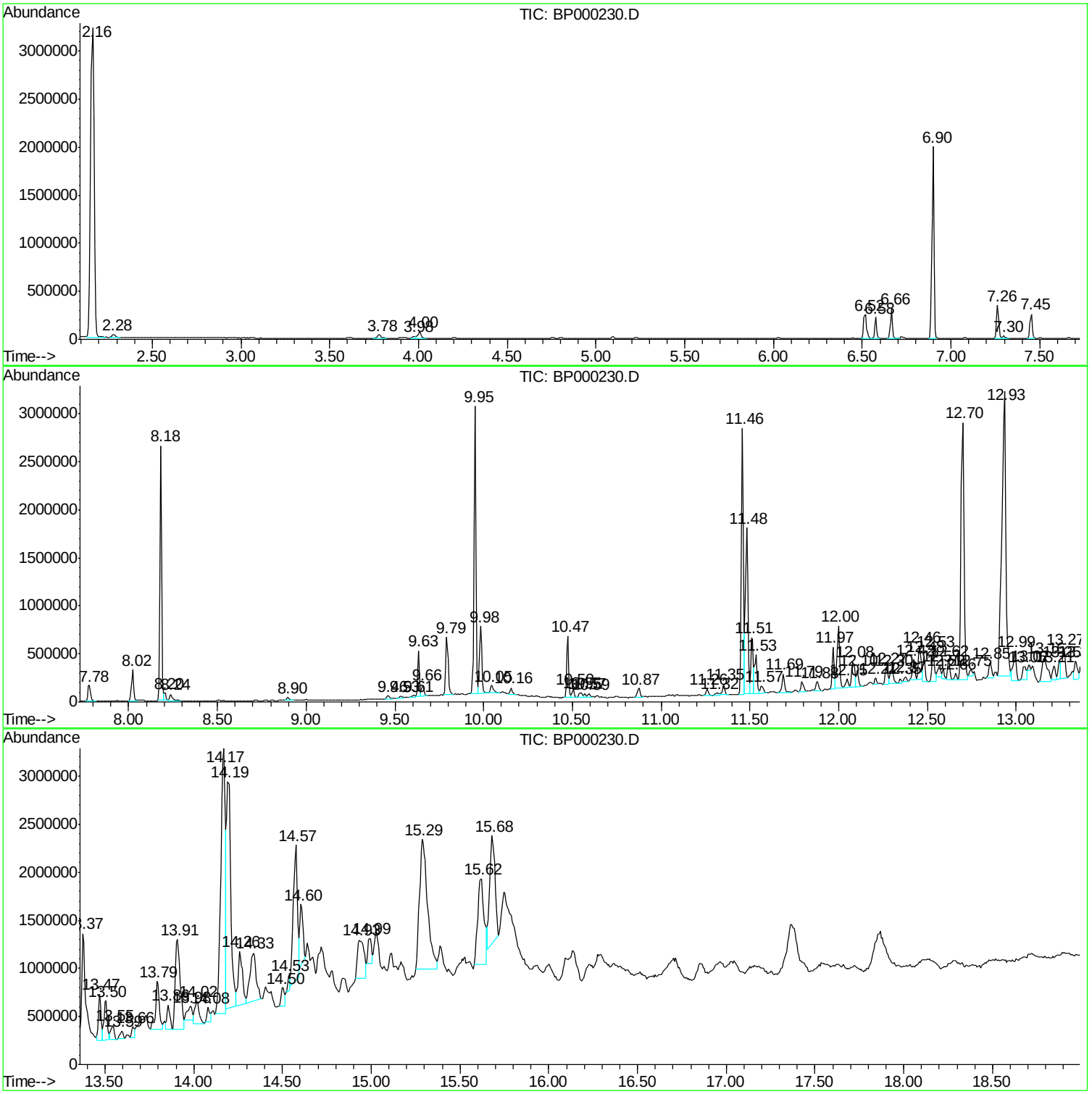
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

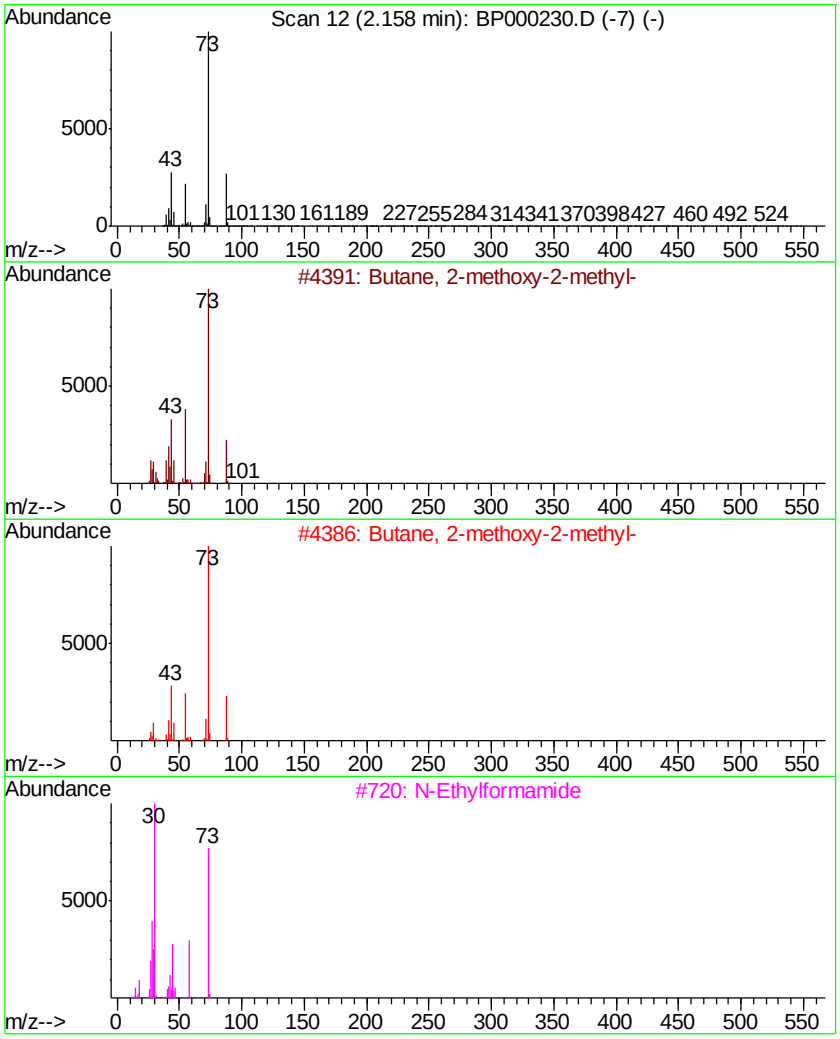
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

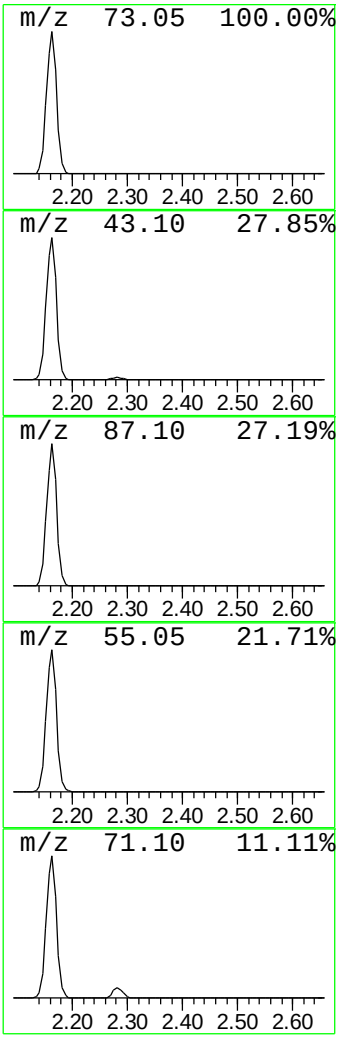
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	53.72 ng/ul	4146990	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

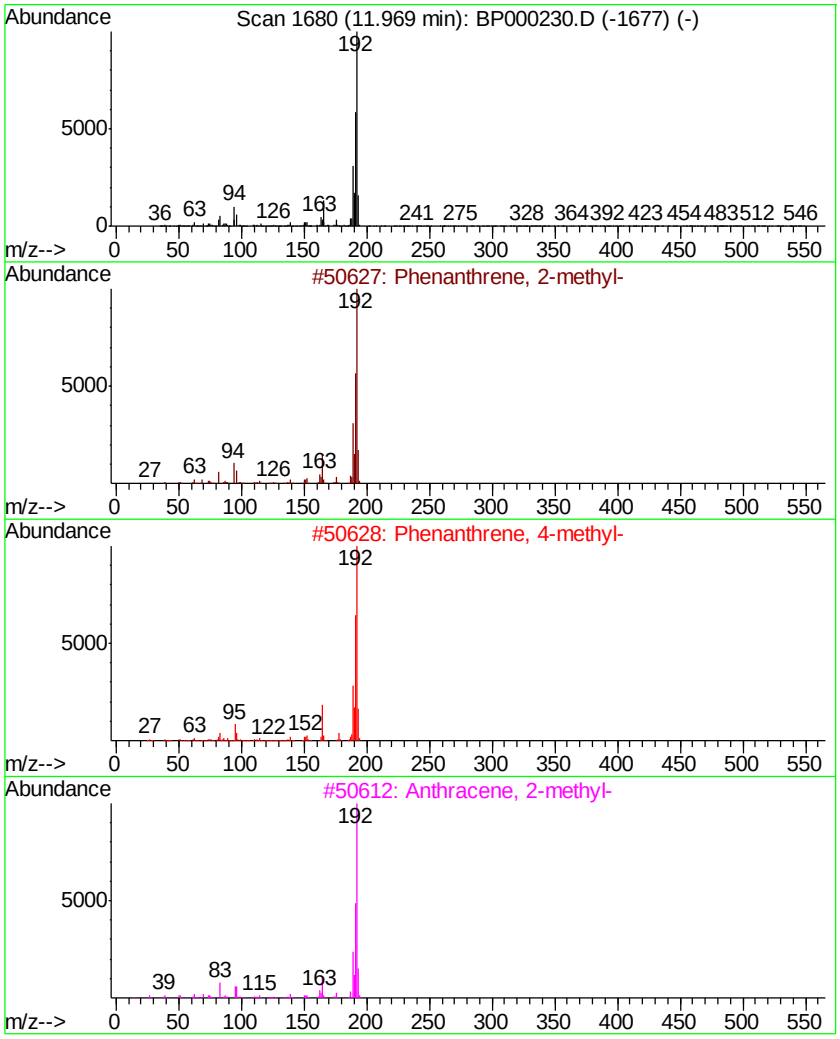
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

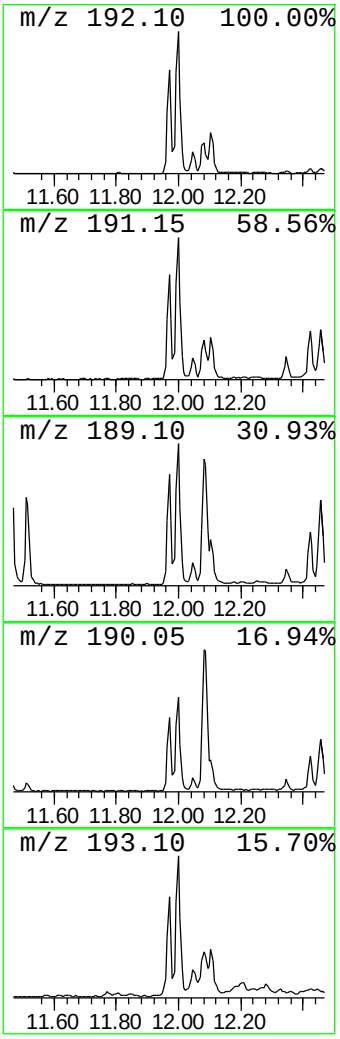
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.03 ng/ul	384046	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

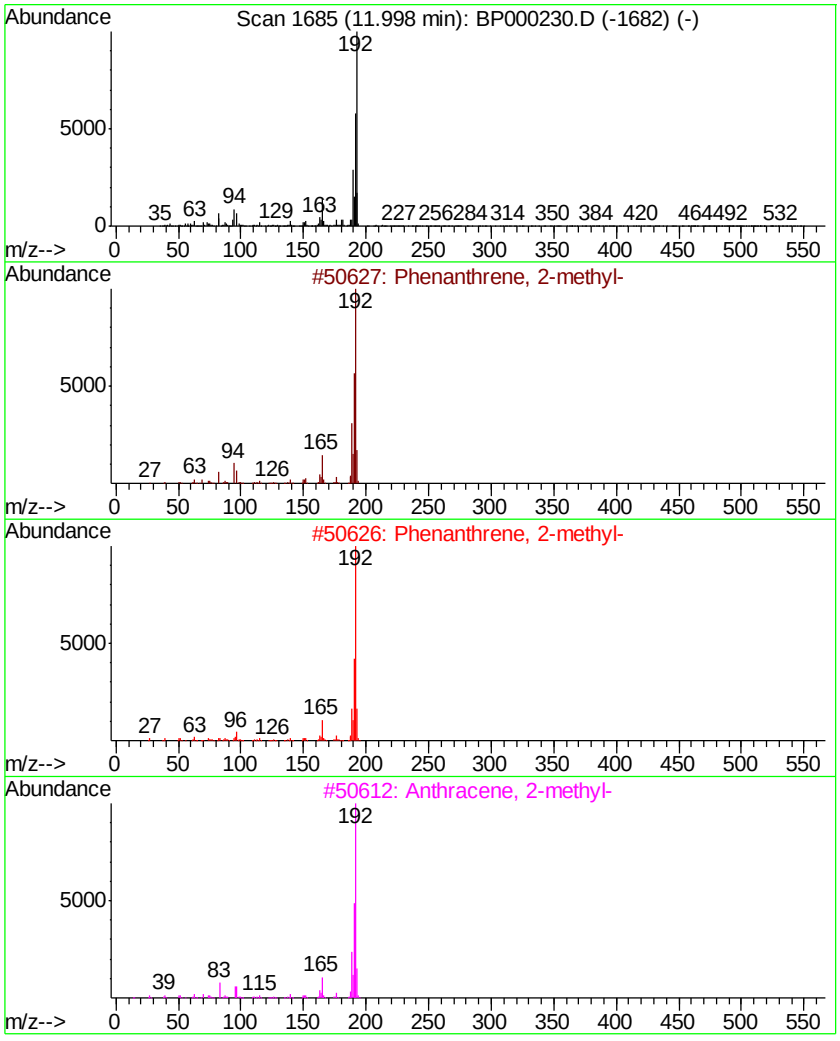
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

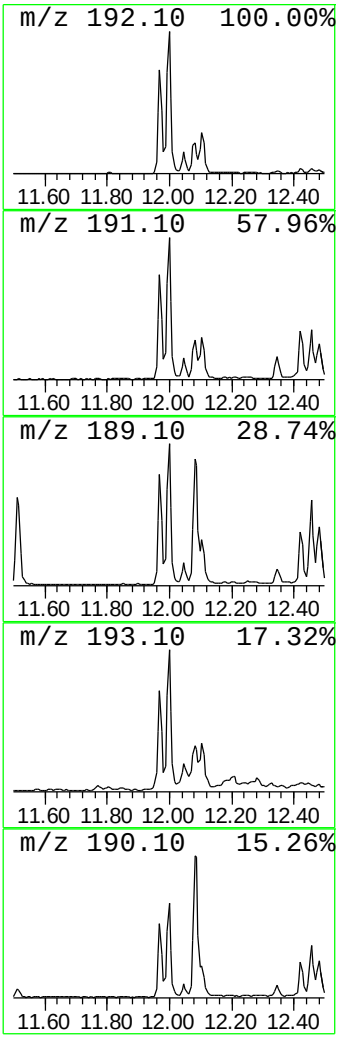
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.87 ng/ul	616914	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

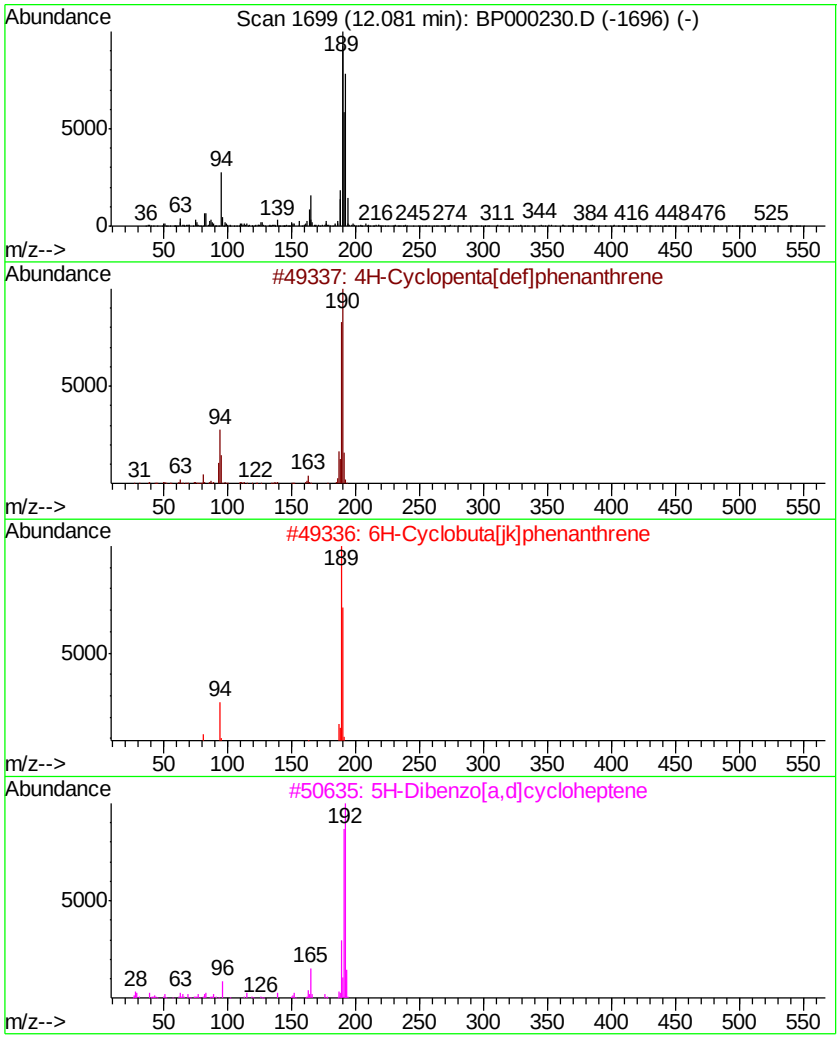
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

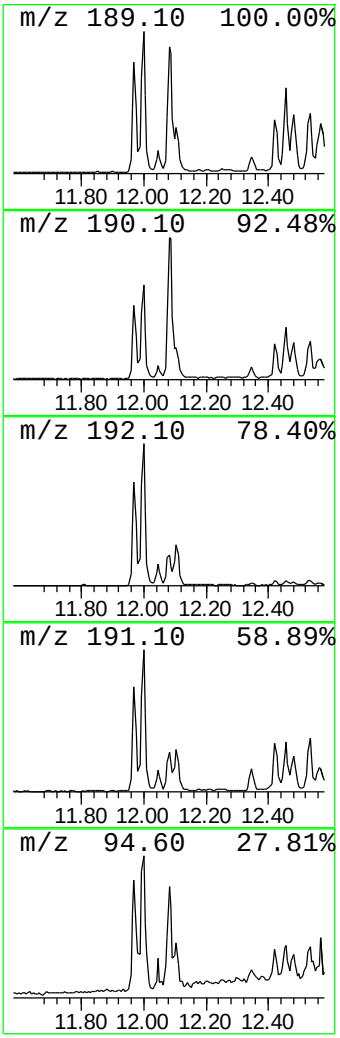
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.25 ng/ul	284877	Phenanthrene-d10	11.46

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

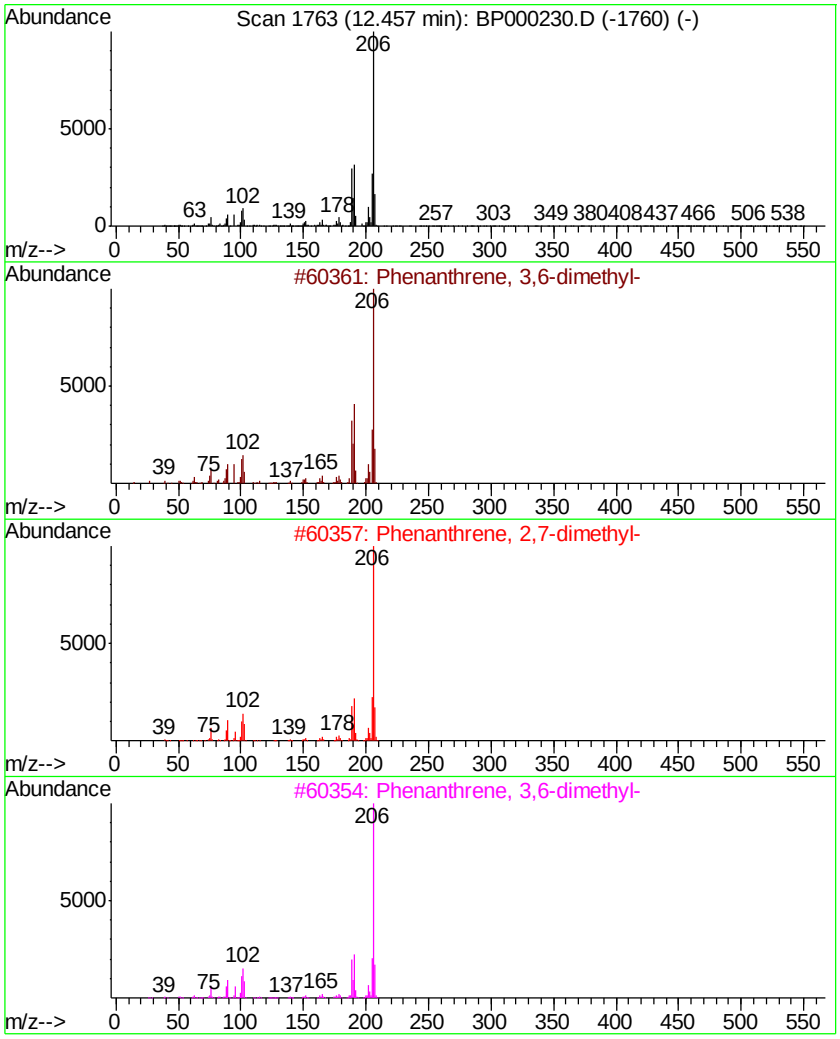
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

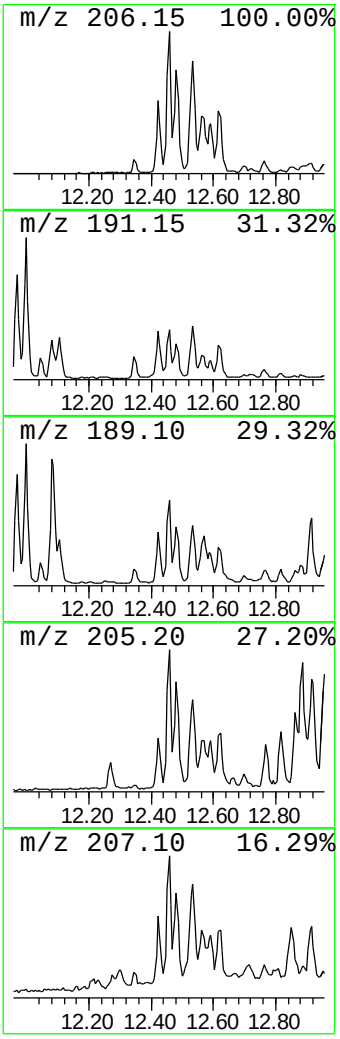
****

Peak Number 5 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.55 ng/ul	322403	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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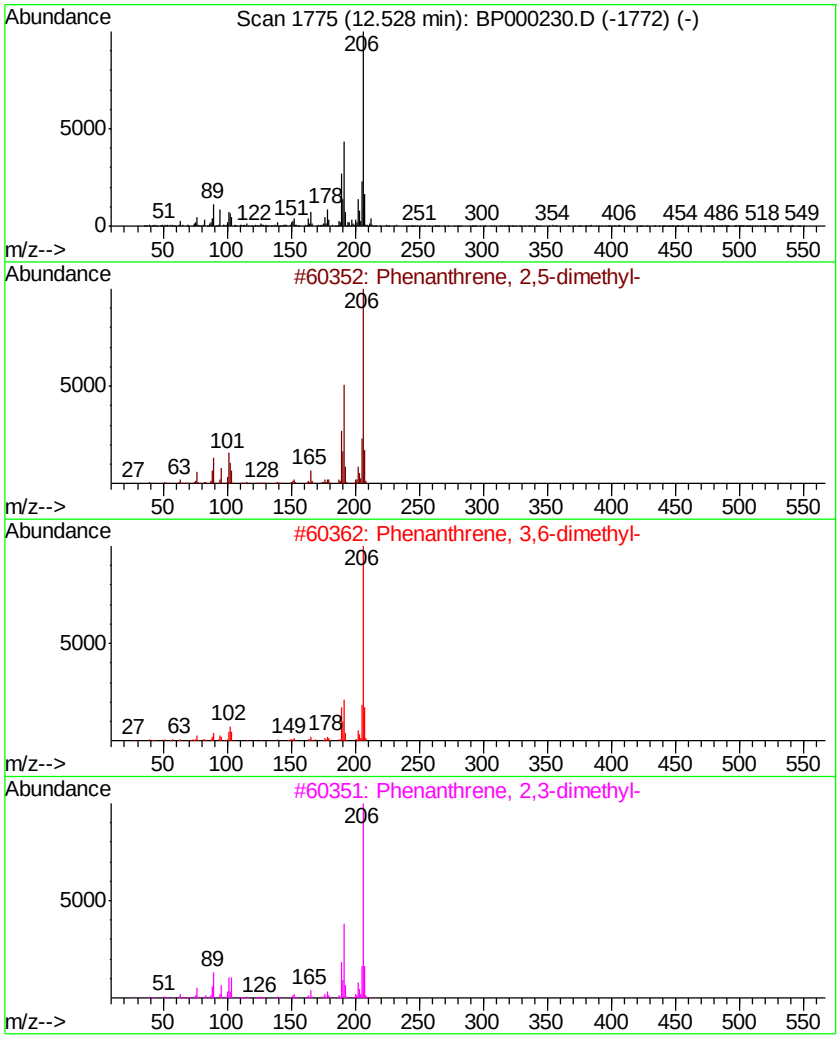
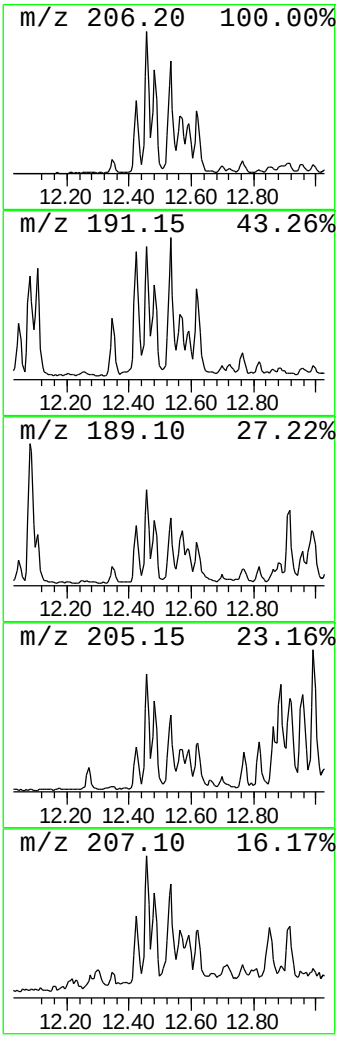
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.86 ng/ul	362671	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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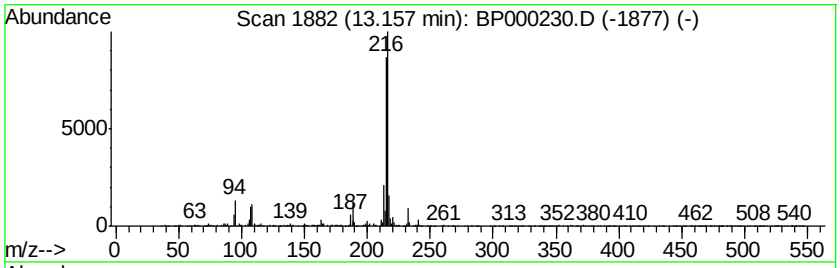
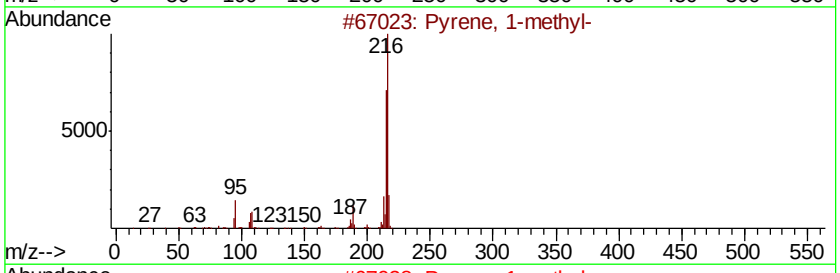
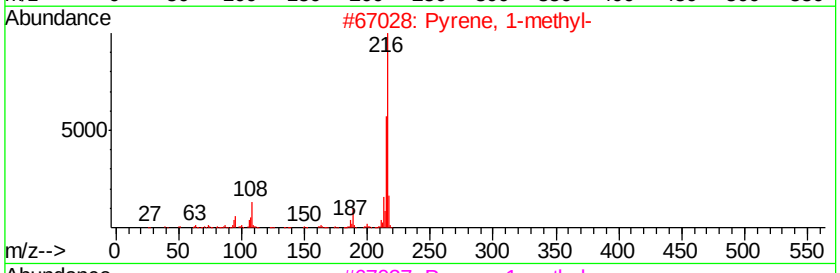
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 17

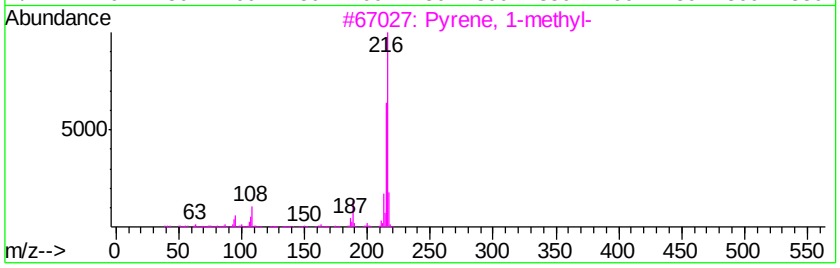
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.02 ng/ul	517863	Chrysene-d12	14.17

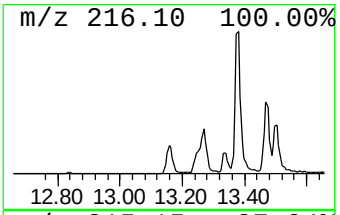
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89

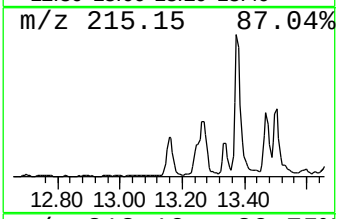


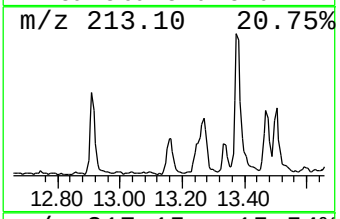


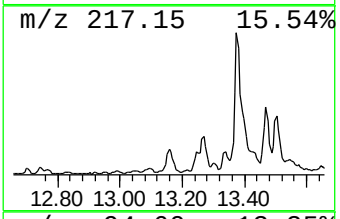


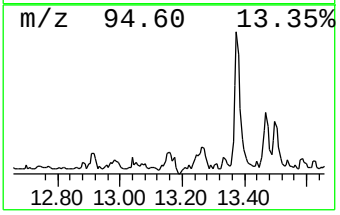












Library Search Compound Report

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Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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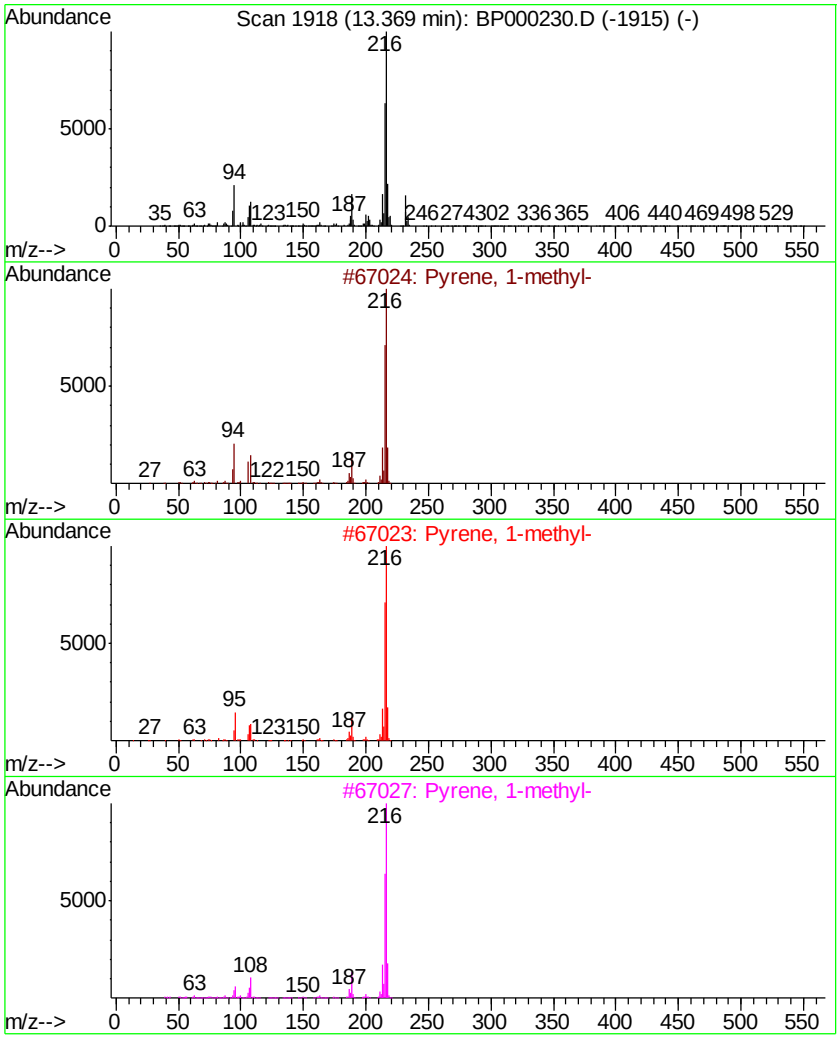
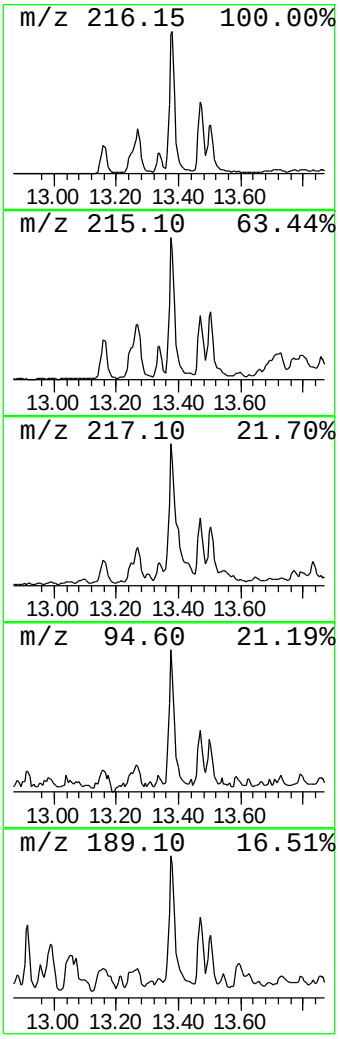
Peak Number 8 Pyrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	7.25 ng/ul	1854740	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





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Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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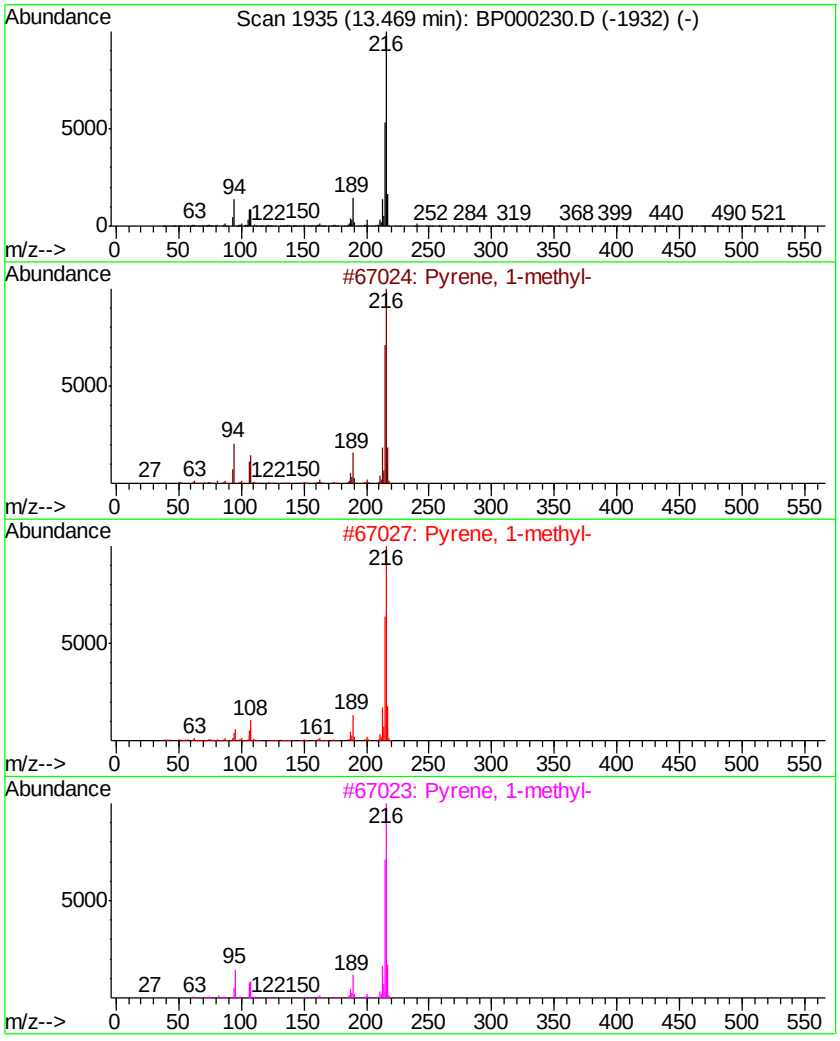
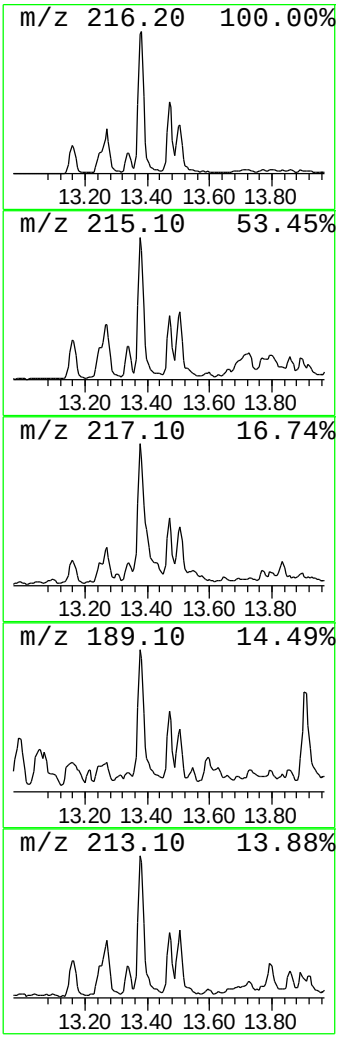
Peak Number 9 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.20 ng/ul	562526	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95





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Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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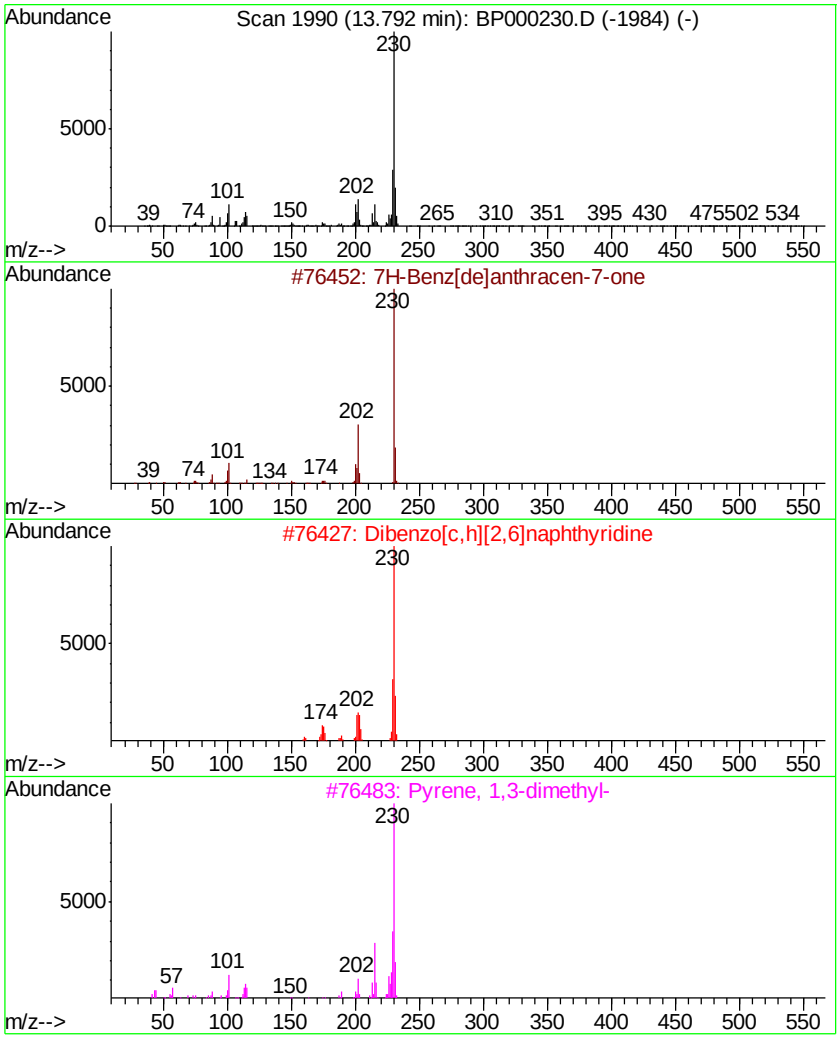
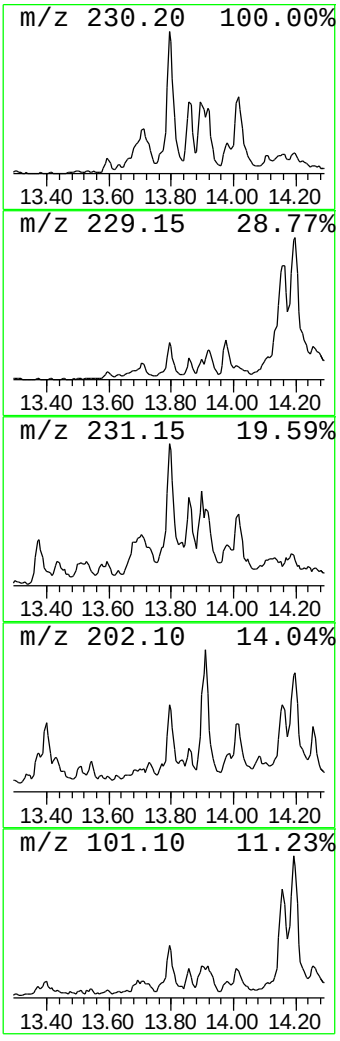
Peak Number 10 7H-Benz[de]anthracen-7-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.00 ng/ul	766765	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	83
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	80
4	Visnagin	230	C13H10O4	000082-57-5	64
5	m-Terphenyl	230	C18H14	000092-06-8	64





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Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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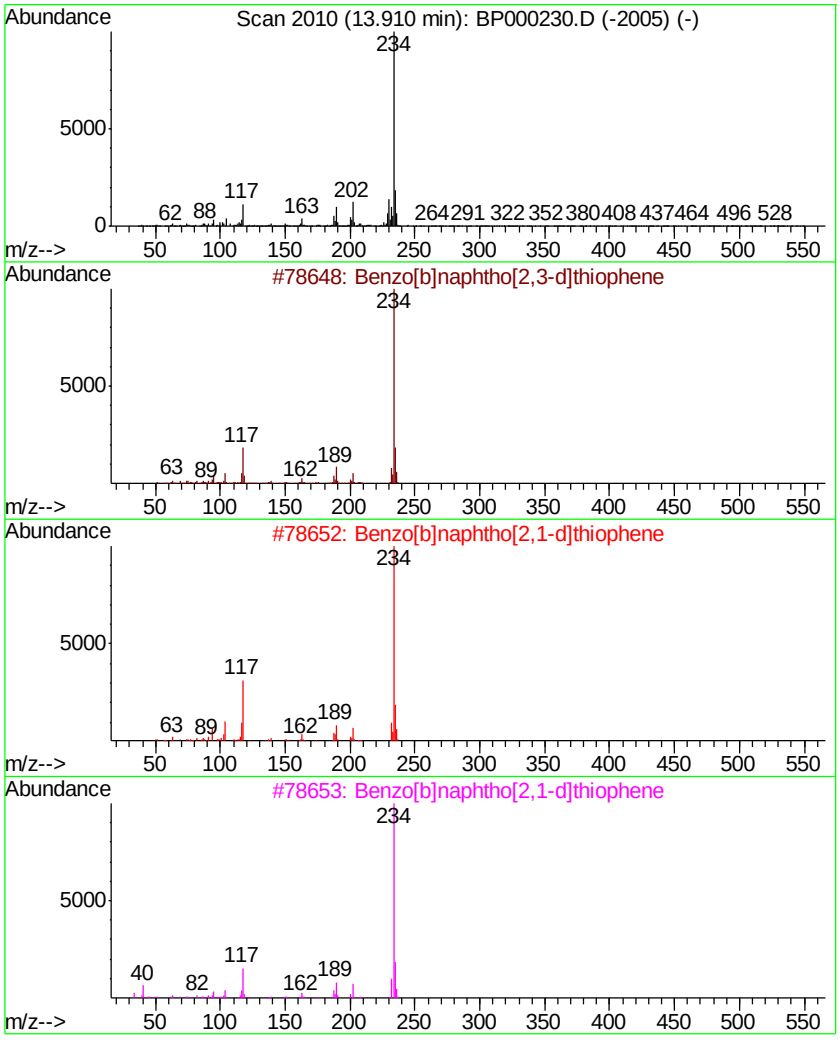
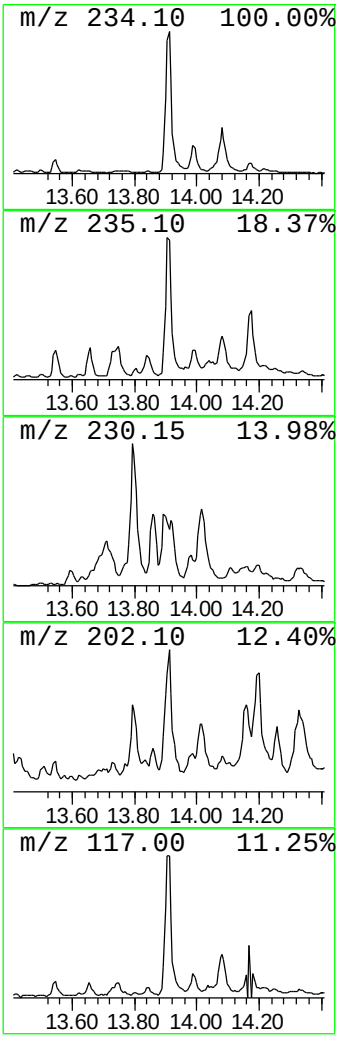
Peak Number 11 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	6.94 ng/ul	1774520	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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Misc :
ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId : F2D38DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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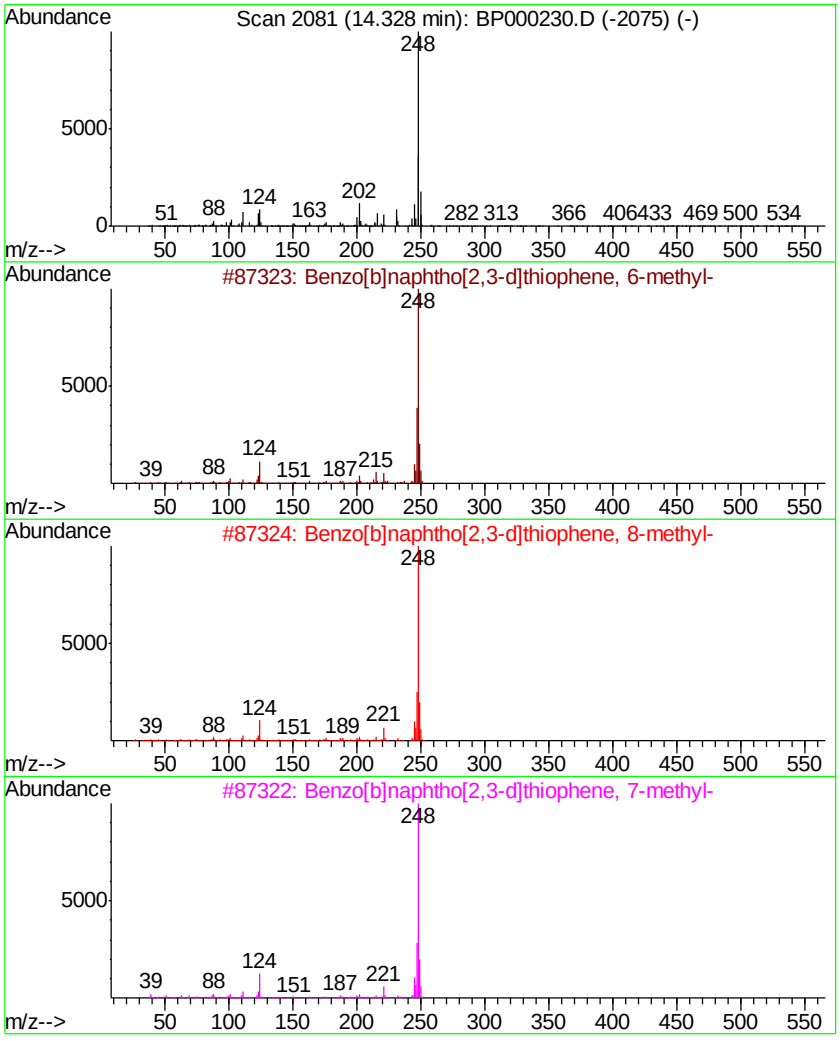
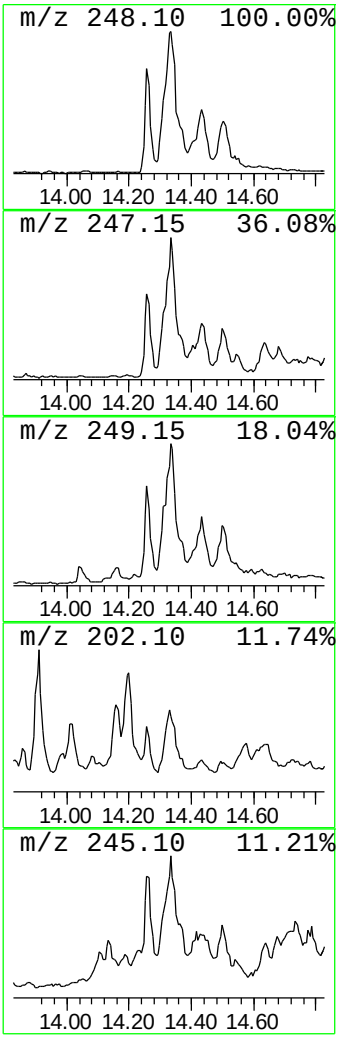
Peak Number 13 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	4.88 ng/ul	1248360	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	91
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	81
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	76
4	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	64
5	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	64





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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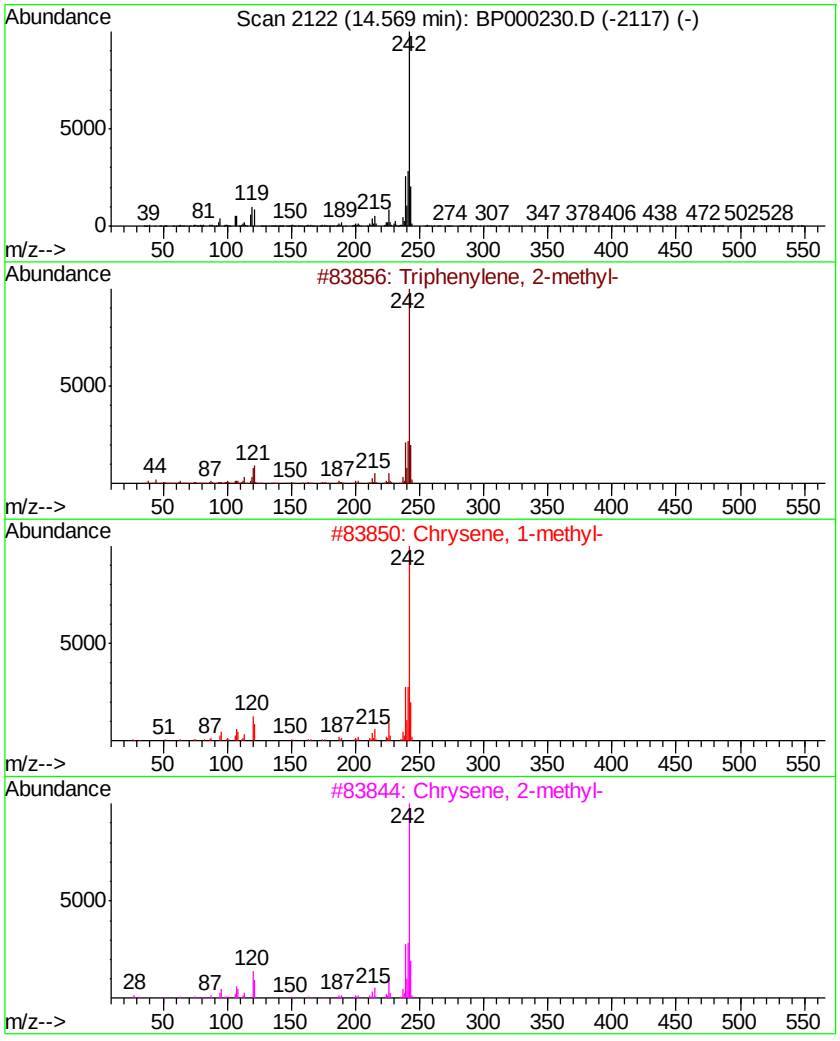
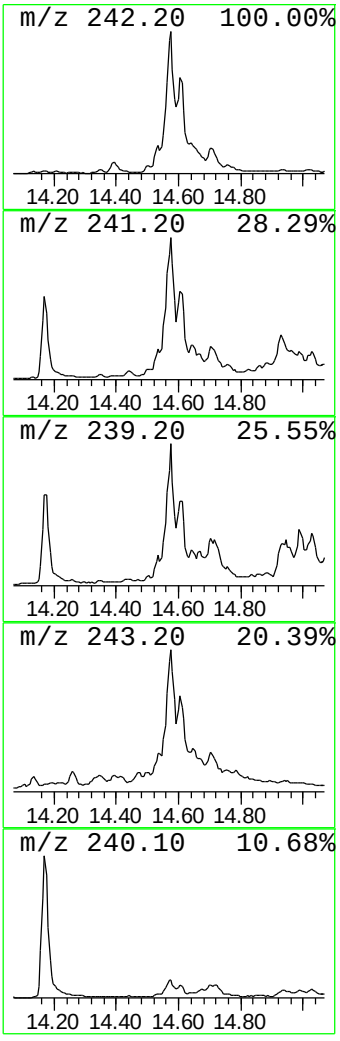
Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	8.96 ng/ul	2291080	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	96
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95





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Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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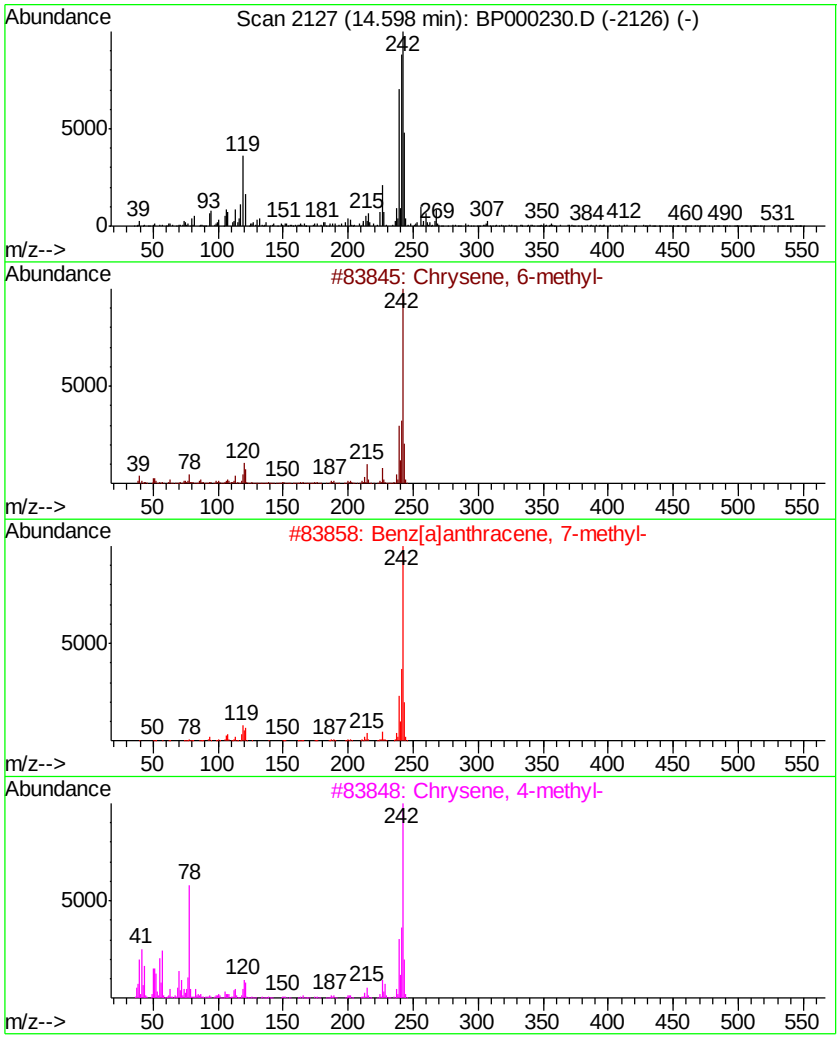
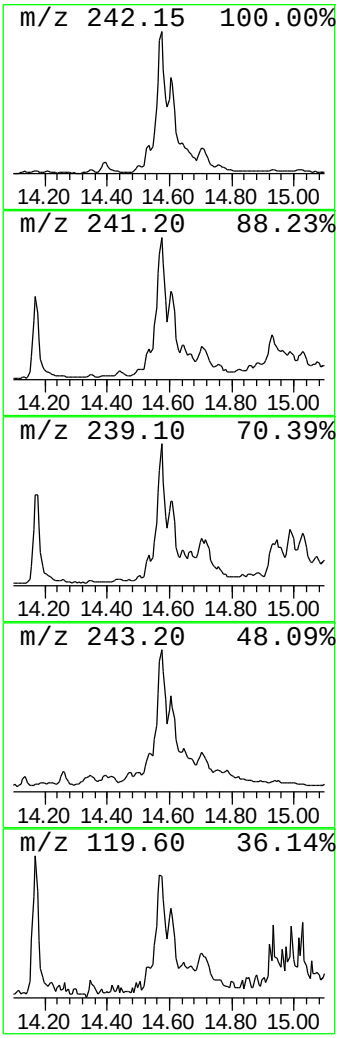
Peak Number 15 Chrysene, 6-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.83 ng/ul	723923	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	003697-24-3	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Chrysene, 4-methyl-	242	C19H14	003351-30-2	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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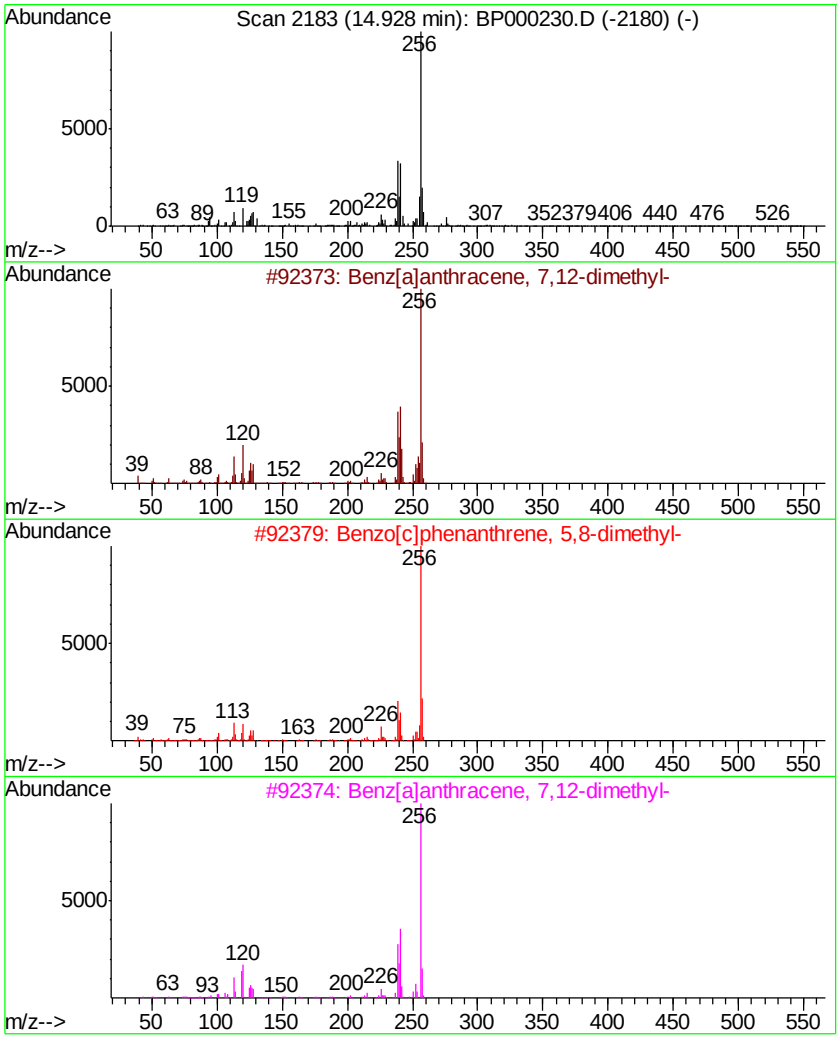
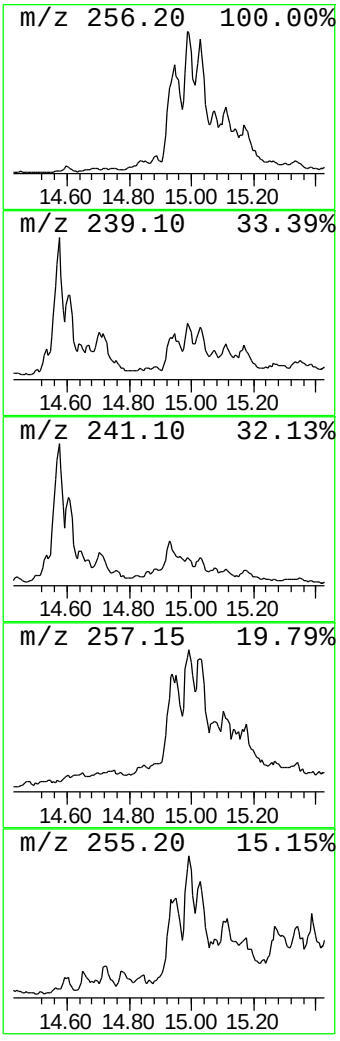
Peak Number 16 Benz[a]anthracene, 7,12-dim... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	4.02 ng/ul	1027740	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	93
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	91
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	89
4	4-Hydroxy-1-methyl-6-phenyl-3-(p...	256	C15H16N2O2	1000239-66-9	80
5	3,4-Dihydro-1,1'-binaphthalene	256	C20H16	021039-44-1	74





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Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

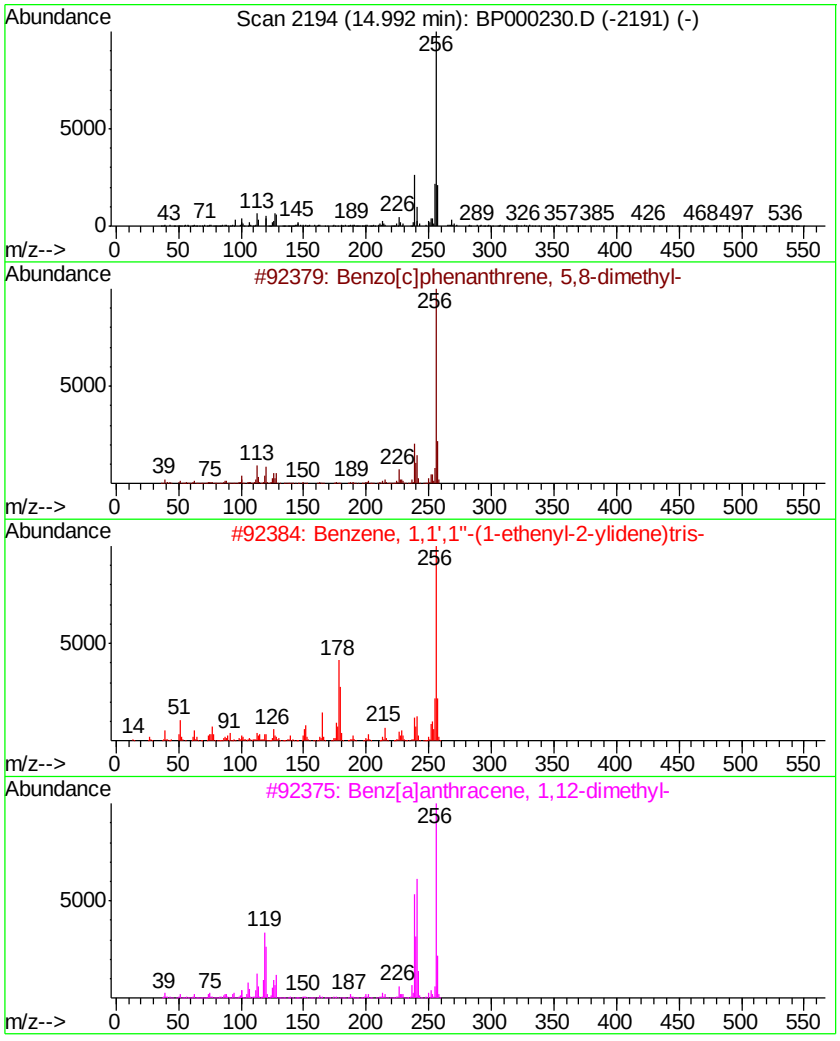
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

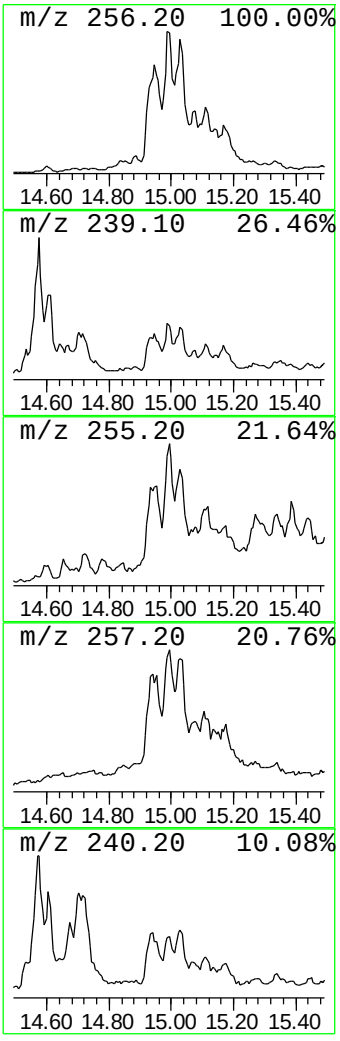
****

Peak Number 17 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.77 ng/ul	315516	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	80
3	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	64
4	Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	64
5	9H-Xanthen-9-one, 3,6-dihydroxy-...	256	C15H12O4	067065-96-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000230.D
Acq On : 12 Sep 2019 21:47
Operator : HP/JU
Sample : K4634-20DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.16	53.7	ng/ul	4146990	1	6.90	1543990	20.0
Phenanthrene, 2-m...	11.97	3.0	ng/ul	384046	4	11.46	2532030	20.0
Anthracene, 2-met...	12.00	4.9	ng/ul	616914	4	11.46	2532030	20.0
4H-Cyclopenta[def...	12.08	2.3	ng/ul	284877	4	11.46	2532030	20.0
Phenanthrene, 3,6...	12.46	2.5	ng/ul	322403	4	11.46	2532030	20.0
Phenanthrene, 2,5...	12.53	2.9	ng/ul	362671	4	11.46	2532030	20.0
Pyrene, 1-methyl-	13.16	2.0	ng/ul	517863	5	14.17	5115720	20.0
Pyrene, 4-methyl-	13.37	7.3	ng/ul	1854740	5	14.17	5115720	20.0
Pyrene, 2-methyl-	13.47	2.2	ng/ul	562526	5	14.17	5115720	20.0
7H-Benz[de]anthra...	13.79	3.0	ng/ul	766765	5	14.17	5115720	20.0
Benzo[b]naphtho[2...	13.91	6.9	ng/ul	1774520	5	14.17	5115720	20.0
Benzo[b]naphtho[2...	14.33	4.9	ng/ul	1248360	5	14.17	5115720	20.0
Triphenylene, 2-m...	14.57	9.0	ng/ul	2291080	5	14.17	5115720	20.0
Chrysene, 6-methyl-	14.60	2.8	ng/ul	723923	5	14.17	5115720	20.0
Benz[a]anthracene...	14.93	4.0	ng/ul	1027740	5	14.17	5115720	20.0
Benzo[c]phenanthr...	14.99	2.8	ng/ul	315516	6	15.75	2274290	20.0