LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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	22	rVB	403354	519119	1.70%	0.155%
2	6.893	814	817	821	rBV	2518554	1930067	6.32%	0.576%
3	8.181	1032	1036	1038	rBV	2870797	2662830	8.72%	0.794%
4	8.199	1038	1039	1042	rVV	760300	425606	1.39%	0.127%
5	8.893	1154	1157	1161	rBV	339056	262442	0.86%	0.078%
6	8.993	1171	1174	1179	rVB	231680	187446	0.61%	0.056%
7	9.946	1333	1336	1339	rBV	3421666	2788215	9.13%	0.832%
8	9.981	1339	1342	1345	rVB	2773522	2148442	7.03%	0.641%
9	10.152	1368	1371	1375	rVB	977378	798006	2.61%	0.238%
10	10.499	1427	1430	1436	rVB	1383919	1125455	3.68%	0.336%
11	10.569	1440	1442	1443	rVV	207590	162574	0.53%	0.049%
12	10.587	1443	1445	1448	rVV	263833	198696	0.65%	0.059%
13	10.657	1455	1457	1463	rVB	298965	261187	0.85%	0.078%
14	10.740	1468	1471	1475	rVB	345861	379606	1.24%	0.113%
15	10.869	1487	1493	1500	rBV3	289912	330787	1.08%	0.099%
16	11.034	1517	1521	1523	rBV2	187343	275219	0.90%	0.082%
17	11.057	1523	1525	1527	rVB2	197015	150234	0.49%	0.045%
18	11.251	1555	1558	1563	rVB	1240826	1113272	3.64%	0.332%
19	11.310	1563	1568	1571	rBV2	775329	813695	2.66%	0.243%
20	11.346	1571	1574	1578	rVB	1272605	1035604	3.39%	0.309%
21	11.457	1589	1593	1594	rBV	2597573	2714899	8.89%	0.810%
22	11.487	1594	1598	1601	rVV	13834939	15209242	49.79%	4.538%
23	11.534	1601	1606	1609	rVV	3815756	3552455	11.63%	1.060%
24	11.563	1609	1611	1615	rVB	610655	512808	1.68%	0.153%
25	11.687	1626	1632	1635	rBV2	3164456	3293513	10.78%	0.983%
26	11.757	1640	1644	1647	rBV3	229760	268677	0.88%	0.080%
27	11.793	1647	1650	1652	rBV	429101	368127	1.21%	0.110%
28	11.875	1661	1664	1668	rVB	356140	394459	1.29%	0.118%
29	11.963	1674	1679	1682	rBV	2110806	2237625	7.32%	0.668%
30	11.993	1682	1684	1688	rVB	3286965	3010051	9.85%	0.898%
31	12.040	1688	1692	1695	rBV	916078	882992	2.89%	0.263%
32	12.081	1695	1699	1701	rBV	3167100	3333156	10.91%	0.994%
33	12.104	1701	1703	1707	rVB	1276757	1083246	3.55%	0.323%
34	12.146	1707	1710	1712	rBV	230718	251030	0.82%	0.075%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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	12.169	1712	1714	1717	rBV2	334717	302890	0.99%	0.090%
36	12.204	1717	1720	1722	rVV3	207450	171721	0.56%	0.051%
37	12.263	1727	1730	1733	rVV	1375608	1469644	4.81%	0.438%
38	12.293	1733	1735	1741	rVB2	1721662	1642894	5.38%	0.490%
39	12.346	1741	1744	1746	rBV	191879	172897	0.57%	0.052%
40	12.422	1751	1757	1759	rBV	666109	760884	2.49%	0.227%
41	12.451	1759	1762	1764	rVV	841057	732179	2.40%	0.218%
42	12.475	1764	1766	1770	rVB	711938	689911	2.26%	0.206%
43	12.528	1770	1775	1778	rBV	1082724	1451063	4.75%	0.433%
44	12.563	1778	1781	1784	rVV2	615800	961602	3.15%	0.287%
45	12.622	1788	1791	1795	rVV	1488547	1706010	5.58%	0.509%
46	12.657	1795	1797	1799	rVV2	135109	186238	0.61%	0.056%
47	12.710	1799	1806	1810	rVV	15198565	24582764	80.47%	7.335%
48	12.757	1810	1814	1818	rVB3	557228	839957	2.75%	0.251%
49	12.845	1823	1829	1832	rBV2	1439220	1889285	6.18%	0.564%
50	12.945	1838	1846	1849	rBV3	13739948	25742897	84.27%	7.681%
51	12.981	1849	1852	1857	rVB2	1114405	1486203	4.86%	0.443%
52	13.051	1859	1864	1867	rBV	1792693	2006356	6.57%	0.599%
53	13.087	1867	1870	1875	rVB	1759535	2025030	6.63%	0.604%
54	13.157	1875	1882	1884	rBV2	1917097	3186005	10.43%	0.951%
55	13.181	1884	1886	1889	rVB	901914	803048	2.63%	0.240%
56	13.210	1889	1891	1893	rBV3	307951	356390	1.17%	0.106%
57	13.269	1897	1901	1904	rVB	3784369	4643286	15.20%	1.385%
58	13.298	1904	1906	1909	rBV2	271681	352906	1.16%	0.105%
59	13.334	1909	1912	1915	rBV2	2398407	2319144	7.59%	0.692%
60	13.375	1915	1919	1921	rVV2	3666901	4156823	13.61%	1.240%
61	13.398	1921	1923	1926	rVB	1173220	1135651	3.72%	0.339%
62	13.428	1926	1928	1931	rVB	471269	447488	1.46%	0.134%
63	13.469	1931	1935	1937	rBV	1938542	1982014	6.49%	0.591%
64	13.498	1937	1940	1944	rVB2	2020771	1945855	6.37%	0.581%
65	13.704	1963	1975	1978	rBV	1744557	3790544	12.41%	1.131%
66	13.793	1982	1990	1995	rVV	3090946	4939364	16.17%	1.474%
67	13.834	1995	1997	1998	rVV2	269110	240602	0.79%	0.072%
68	13.857	1998	2001	2004	rVB	598576	673086	2.20%	0.201%
69	13.904	2004	2009	2012	rBV	4206884	6127810	20.06%	1.828%
70	13.928	2012	2013	2016	rVV	2336388	2277355	7.45%	0.679%
71	13.969	2016	2020	2024	rVV3	2128242	4228776	13.84%	1.262%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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	14.010	2024	2027	2033	rVB	2252276	3103706	10.16%	0.926%
73	14.075	2034	2038	2042	rBV	940474	1181036	3.87%	0.352%
74	14.169	2045	2054	2057	rBV2	10202090	23326795	76.36%	6.960%
75	14.210	2058	2061	2066	rVB	10571422	14594448	47.77%	4.354%
76	14.275	2066	2072	2076	rBV2	1694551	2901092	9.50%	0.866%
77	14.334	2078	2082	2085	rVV4	675029	1295111	4.24%	0.386%
78	14.363	2085	2087	2089	rVV2	961778	1125765	3.69%	0.336%
79	14.398	2091	2093	2097	rVB	1364214	1835139	6.01%	0.548%
80	14.492	2107	2109	2112	rBV2	420068	519281	1.70%	0.155%
81	14.528	2112	2115	2117	rVV3	900392	1146636	3.75%	0.342%
82	14.569	2117	2122	2126	rVV	3381011	5802618	18.99%	1.731%
83	14.604	2126	2128	2131	rVB	1638656	1633785	5.35%	0.487%
84	14.704	2141	2145	2146	rBV2	1077345	1286466	4.21%	0.384%
85	14.775	2155	2157	2164	rVB3	1029730	1329131	4.35%	0.397%
86	14.834	2164	2167	2172	rVB4	380457	552684	1.81%	0.165%
87	14.922	2176	2182	2189	rVV6	1309845	3788959	12.40%	1.130%
88	14.987	2190	2193	2196	rVV2	841070	1350456	4.42%	0.403%
89	15.022	2197	2199	2204	rVB	874339	1096223	3.59%	0.327%
90	15.110	2209	2214	2220	rBV2	1279242	2546431	8.34%	0.760%
91	15.322	2237	2250	2259	rVB3	8213693	30549137	100.00%	9.115%
92	15.398	2259	2263	2273	rVB	1548078	2809738	9.20%	0.838%
93	15.498	2274	2280	2281	rBV3	645690	1153972	3.78%	0.344%
94	15.628	2293	2302	2307	rBV2	4643001	12538601	41.04%	3.741%
95	15.710	2307	2316	2321	rVV2	5796075	16022648	52.45%	4.781%
96	15.787	2325	2329	2339	rVB2	2461755	5635809	18.45%	1.682%
97	16.216	2398	2402	2406	rBV2	430899	841102	2.75%	0.251%
98	17.381	2587	2600	2616	rVB3	3606227	15500748	50.74%	4.625%
99	17.533	2620	2626	2632	rBV3	690084	1986178	6.50%	0.593%
100	17.863	2670	2682	2694	rVB3	2487269	10602543	34.71%	3.163%

Sum of corrected areas: 335163592

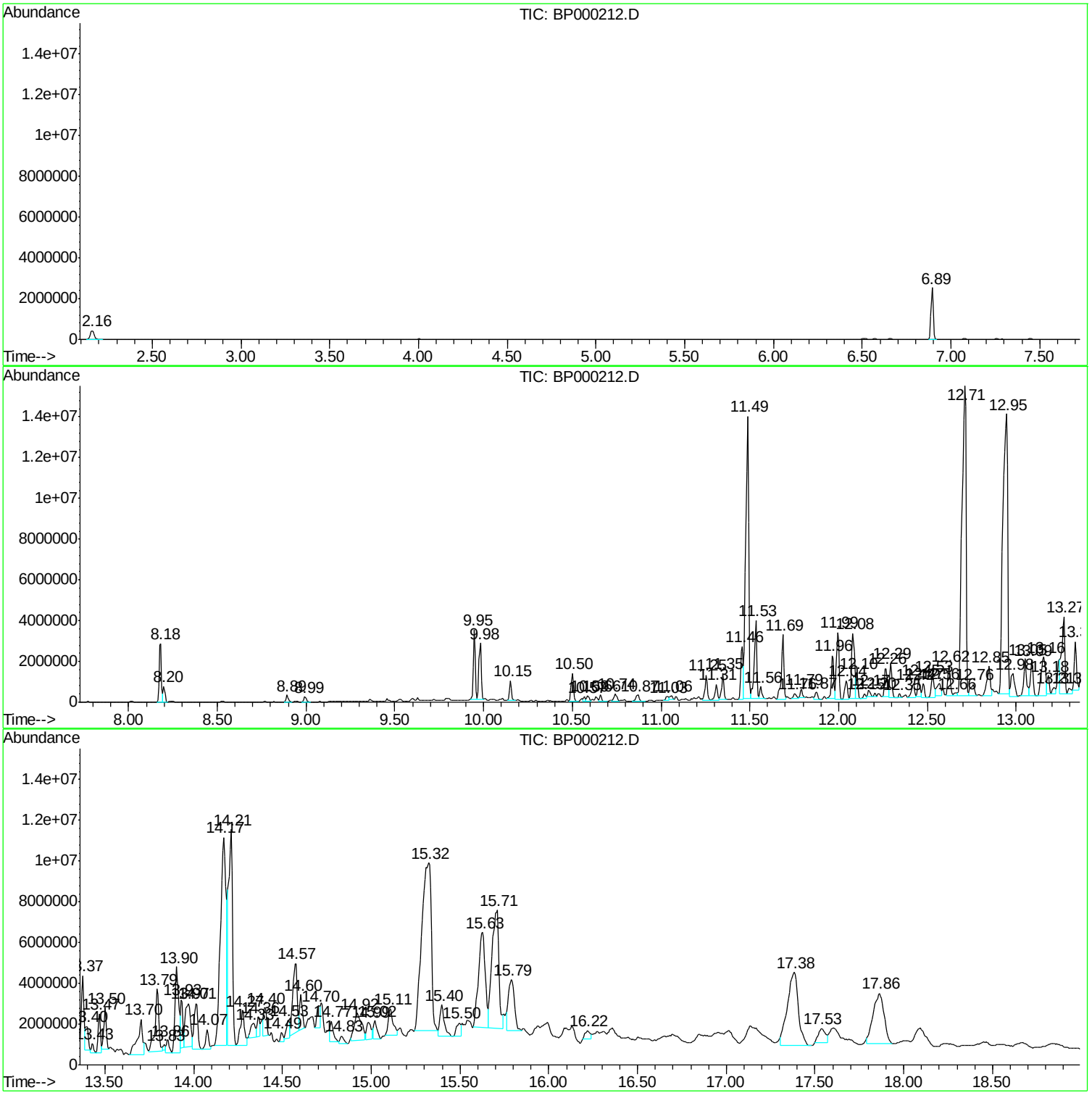
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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 : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

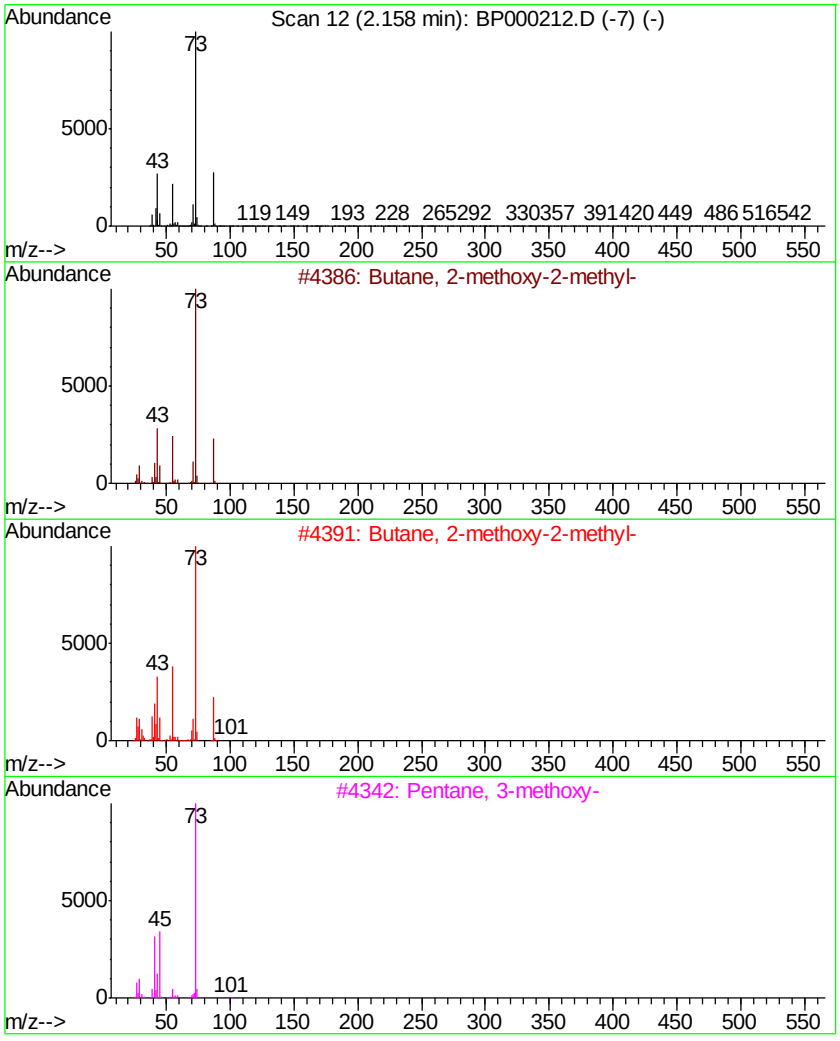
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

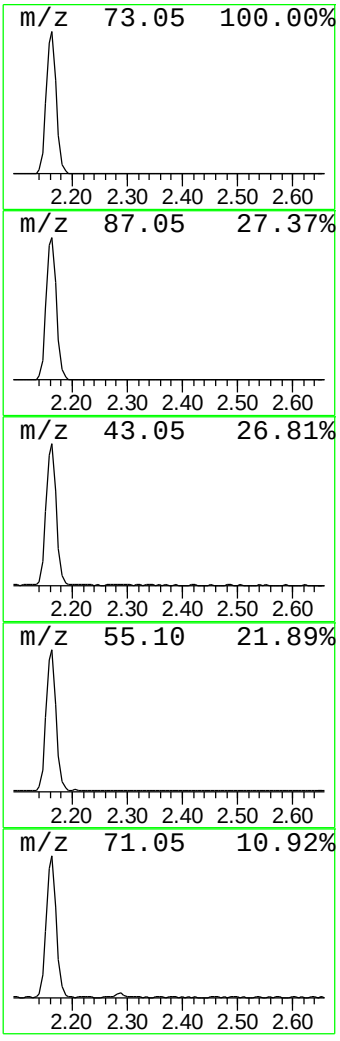
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	5.38 ng/ul	519119	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

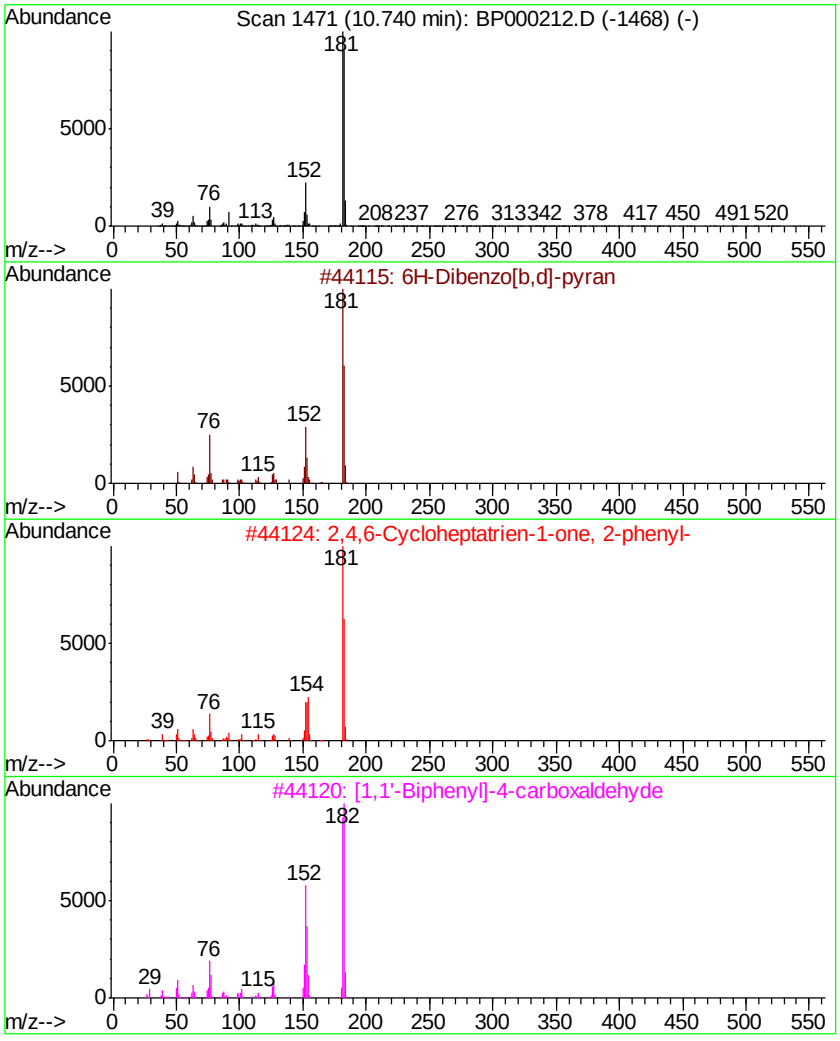
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

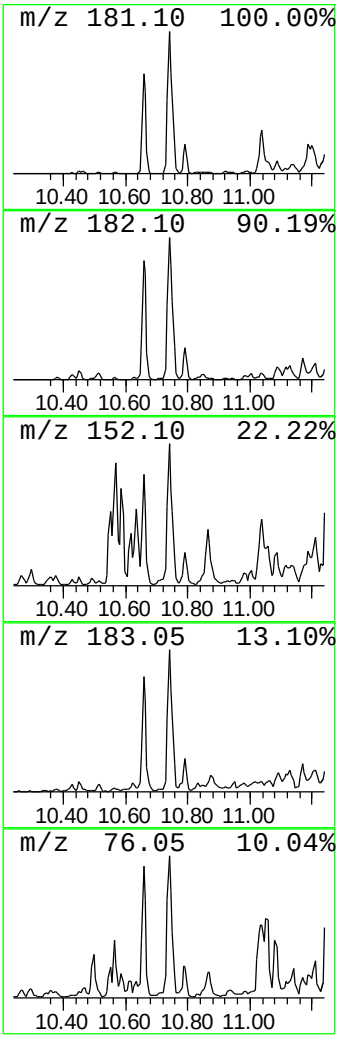
****

Peak Number 2 6H-Dibenzo[b,d]-pyran Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	2.80 ng/ul	379606	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

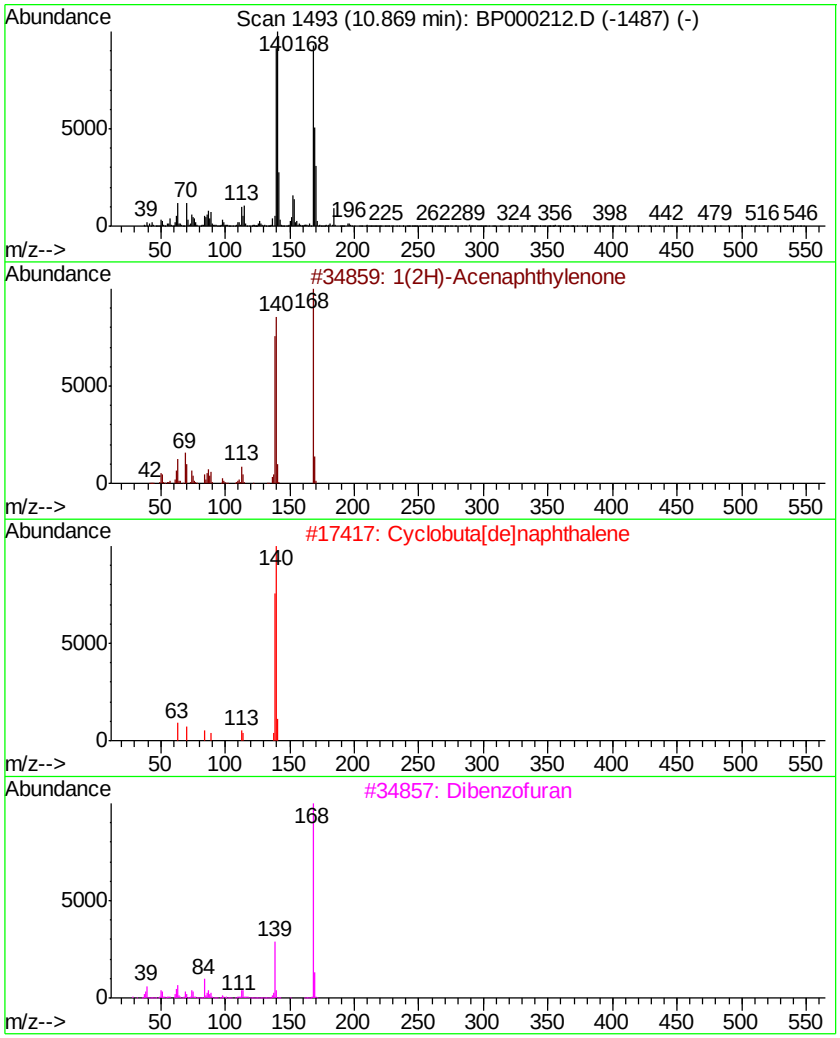
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

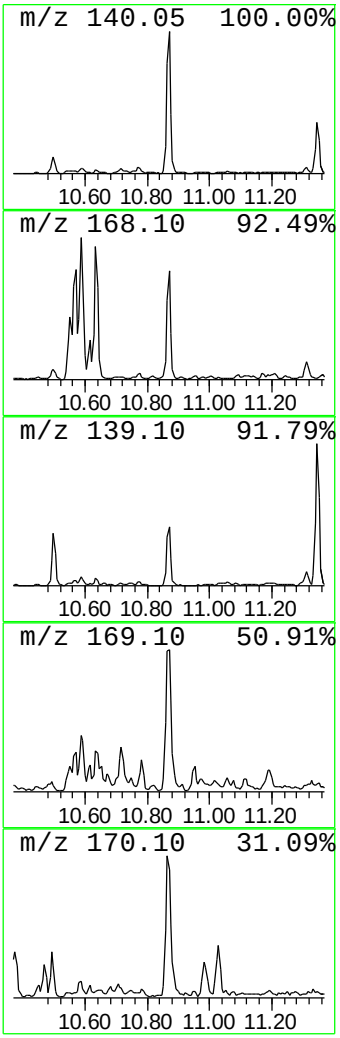
****

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	2.44 ng/ul	330787	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	45
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	43
5	Dibenzofuran	168	C12H8O	000132-64-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

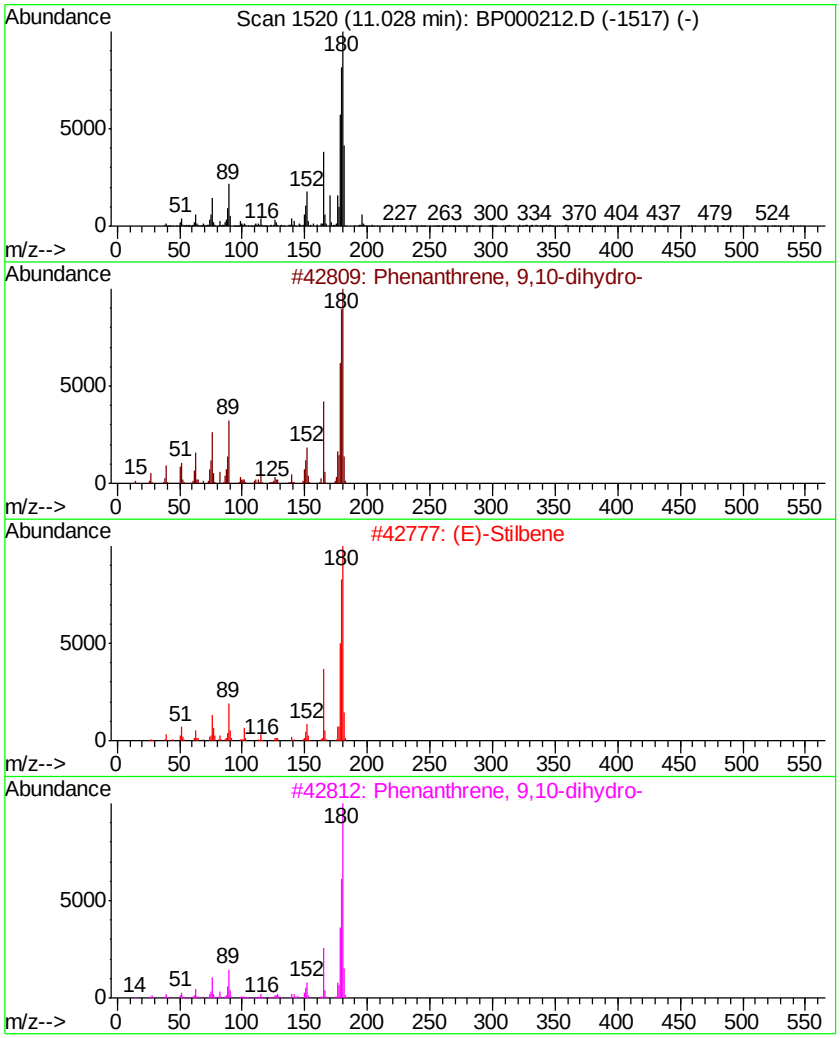
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

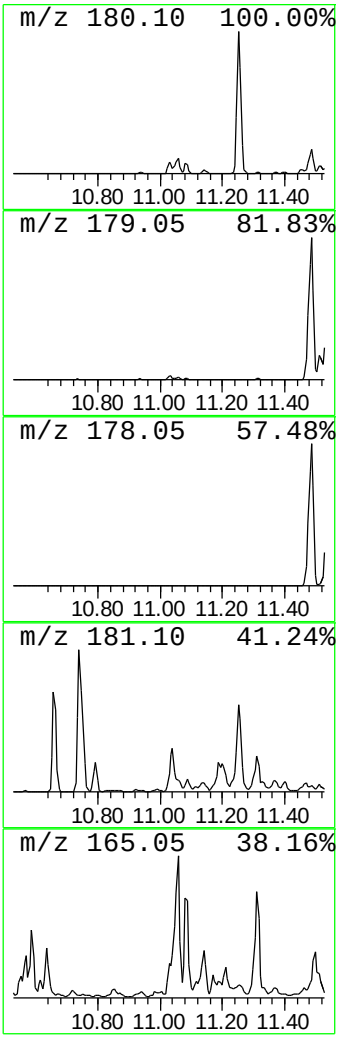
****

Peak Number 4 Phenanthrene, 9,10-dihydro- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	2.03 ng/ul	275219	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	55
2	(E)-Stilbene	180	C14H12	000103-30-0	55
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	55
4	cis-Stilbene	180	C14H12	000645-49-8	53
5	Anthracene, 1,2-dihydro-	180	C14H12	058746-82-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

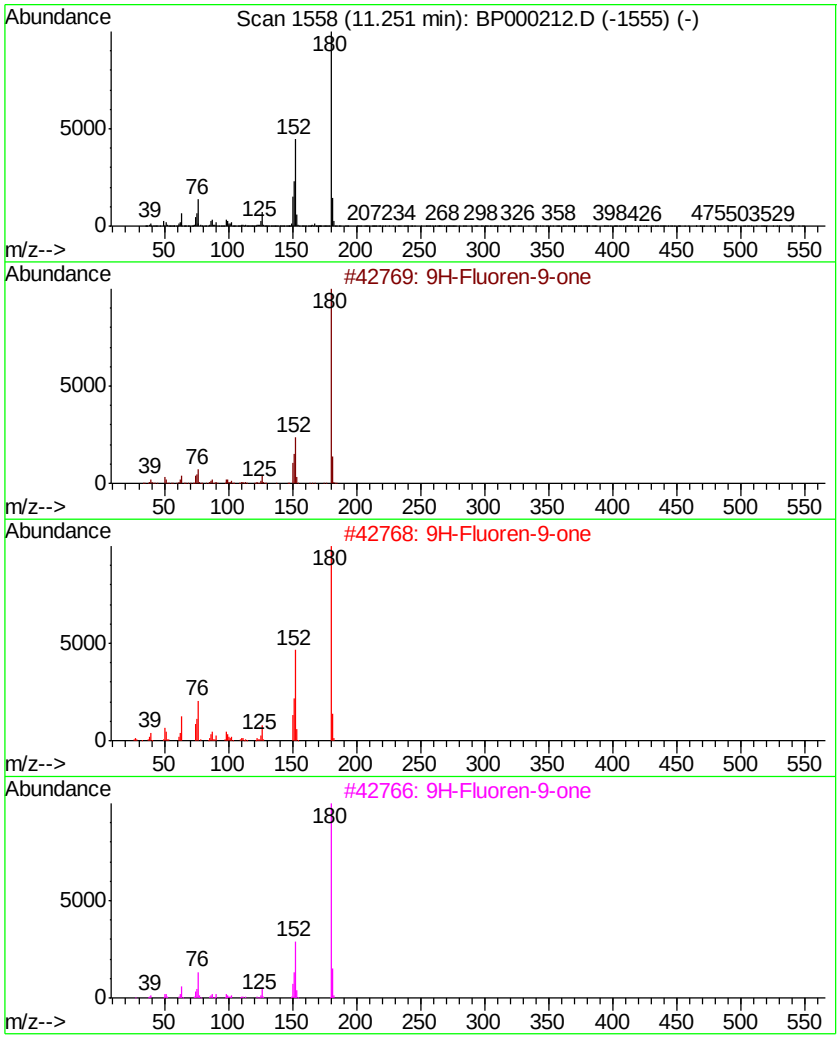
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

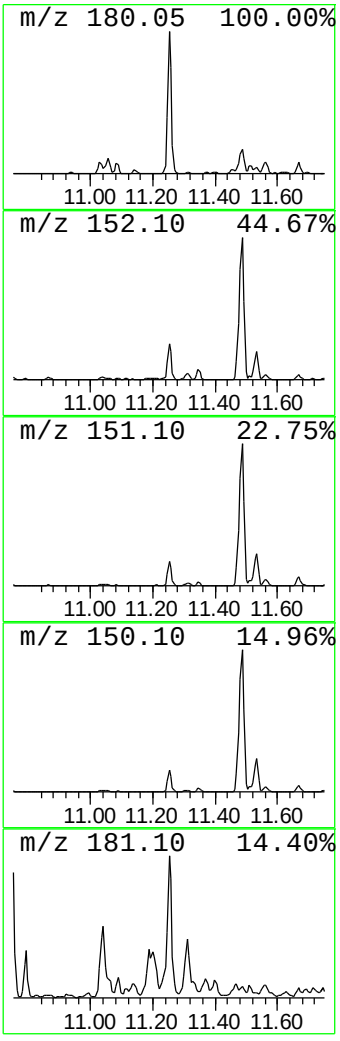
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	8.20 ng/ul	1113270	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

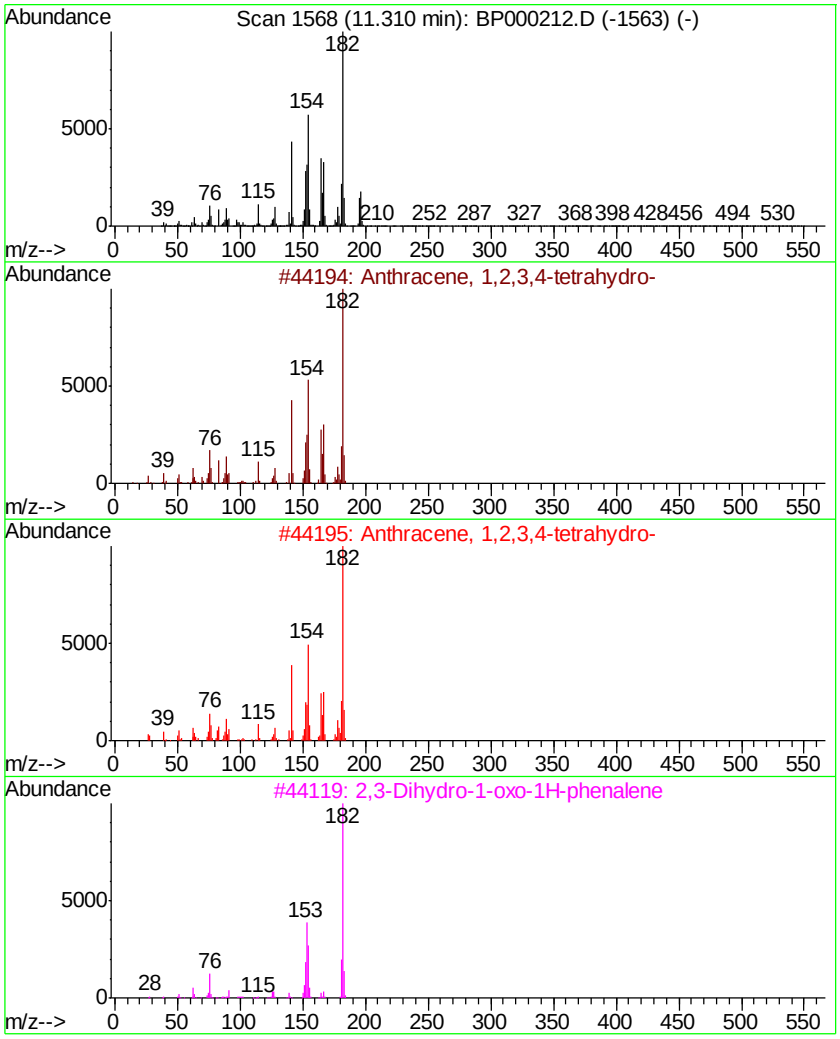
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

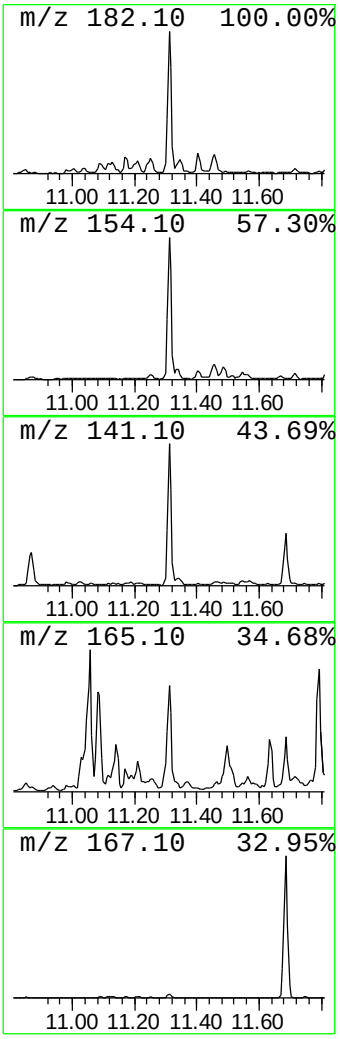
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	5.99 ng/ul	813695	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	87
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

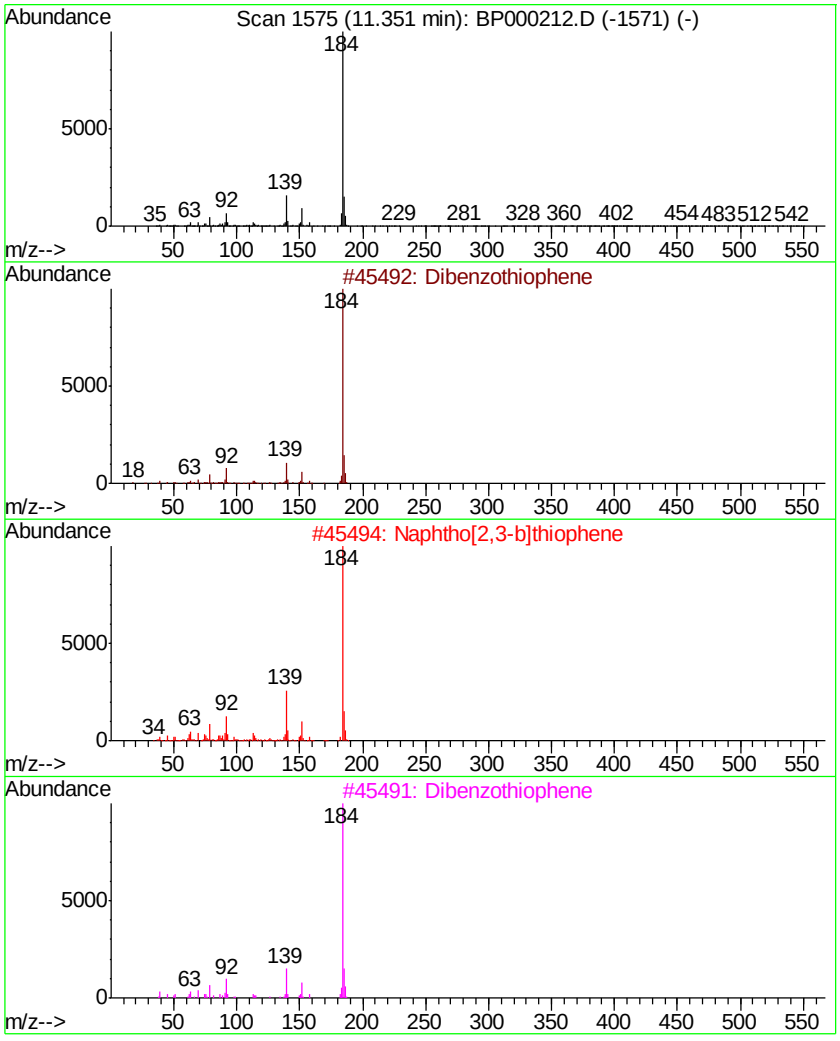
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

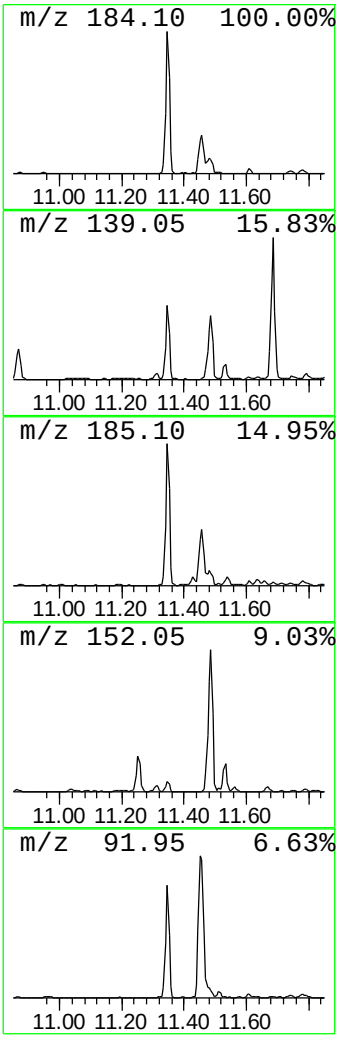
****

Peak Number 7 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	7.63 ng/ul	1035600	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

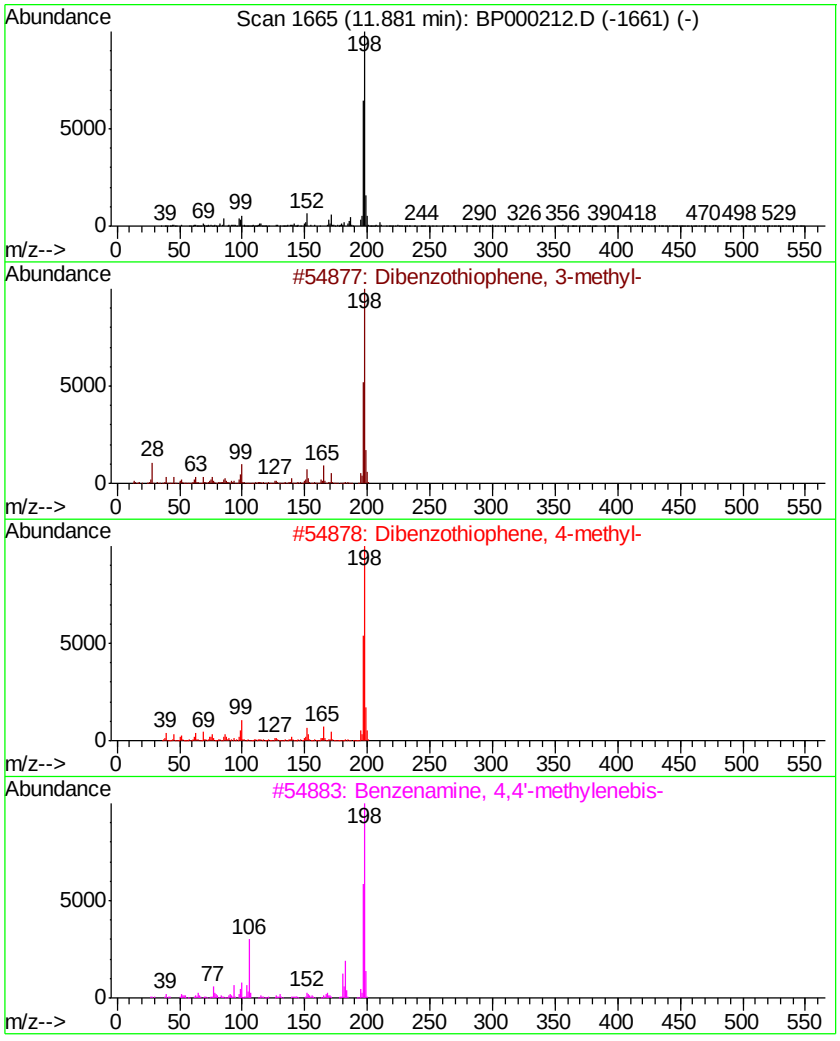
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

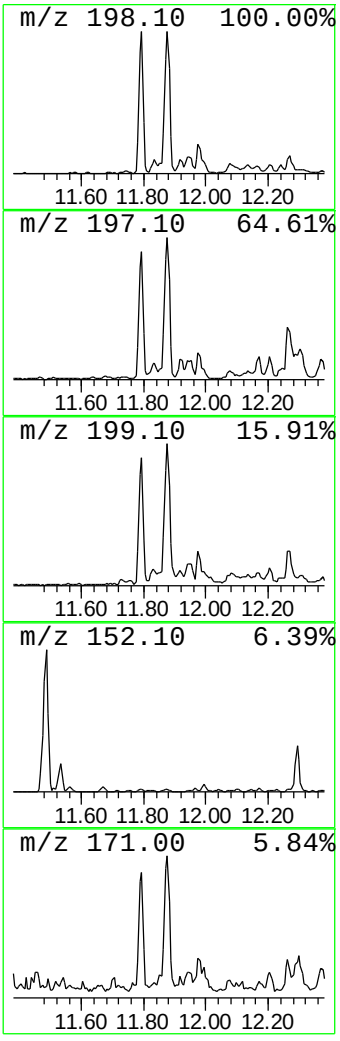
****

Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.91 ng/ul	394459	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

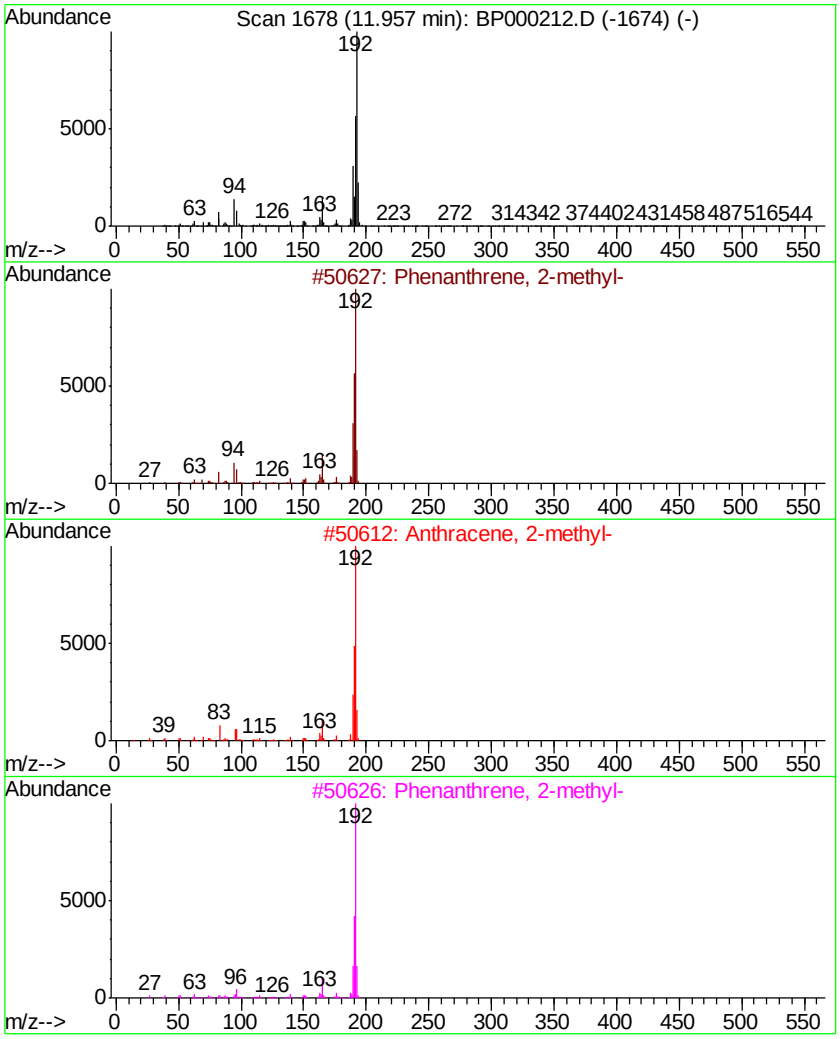
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

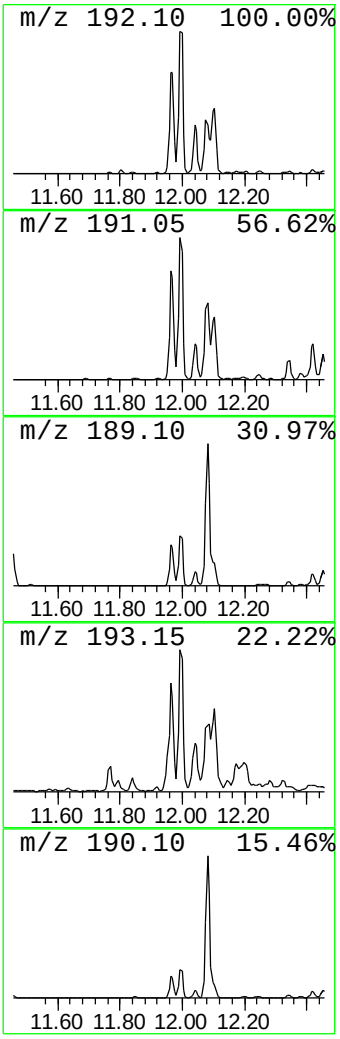
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	16.48 ng/ul	2237630	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

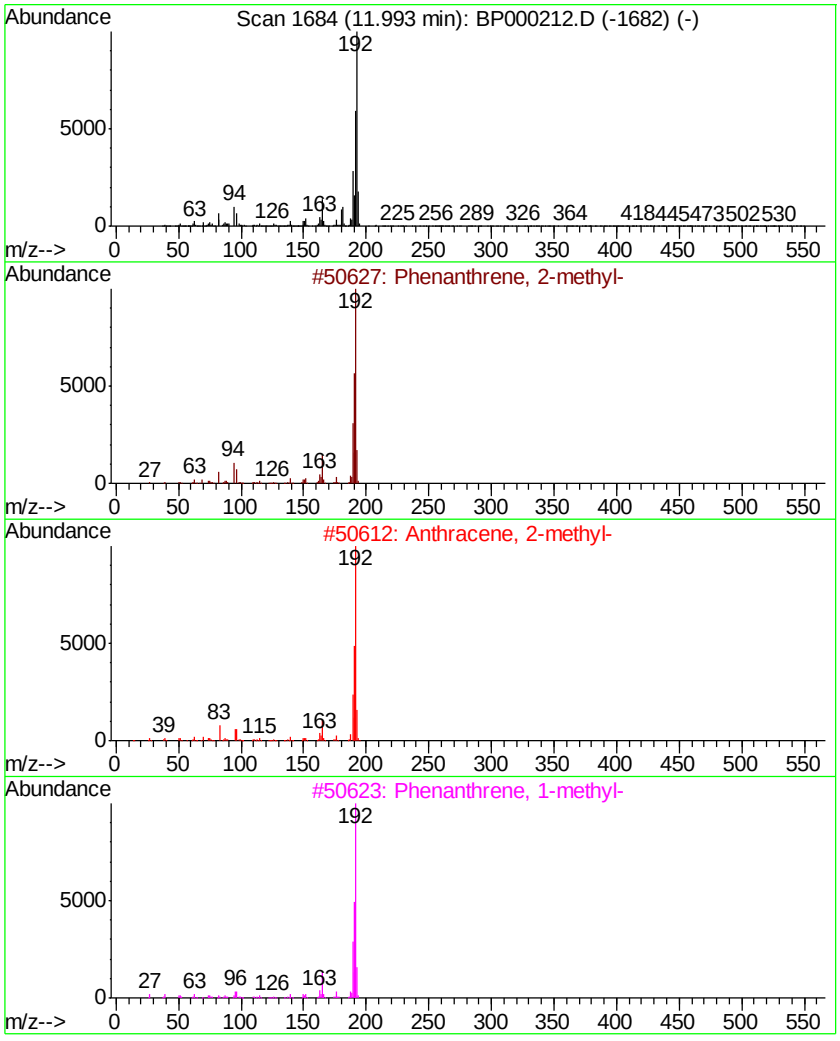
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

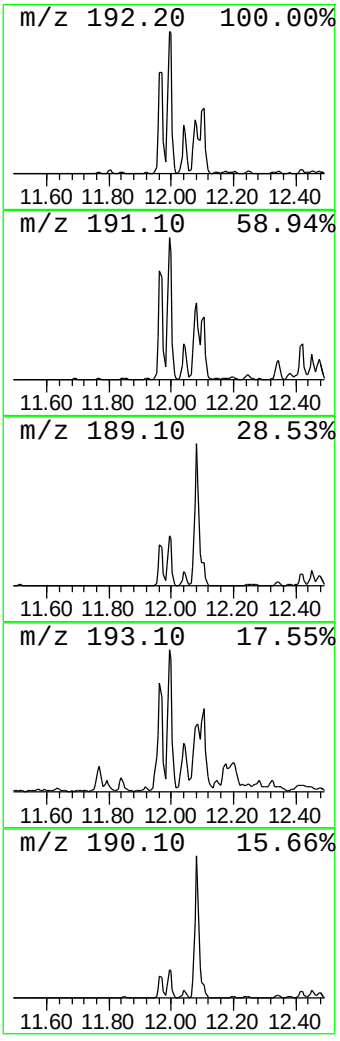
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	22.17 ng/ul	3010050	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
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 : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

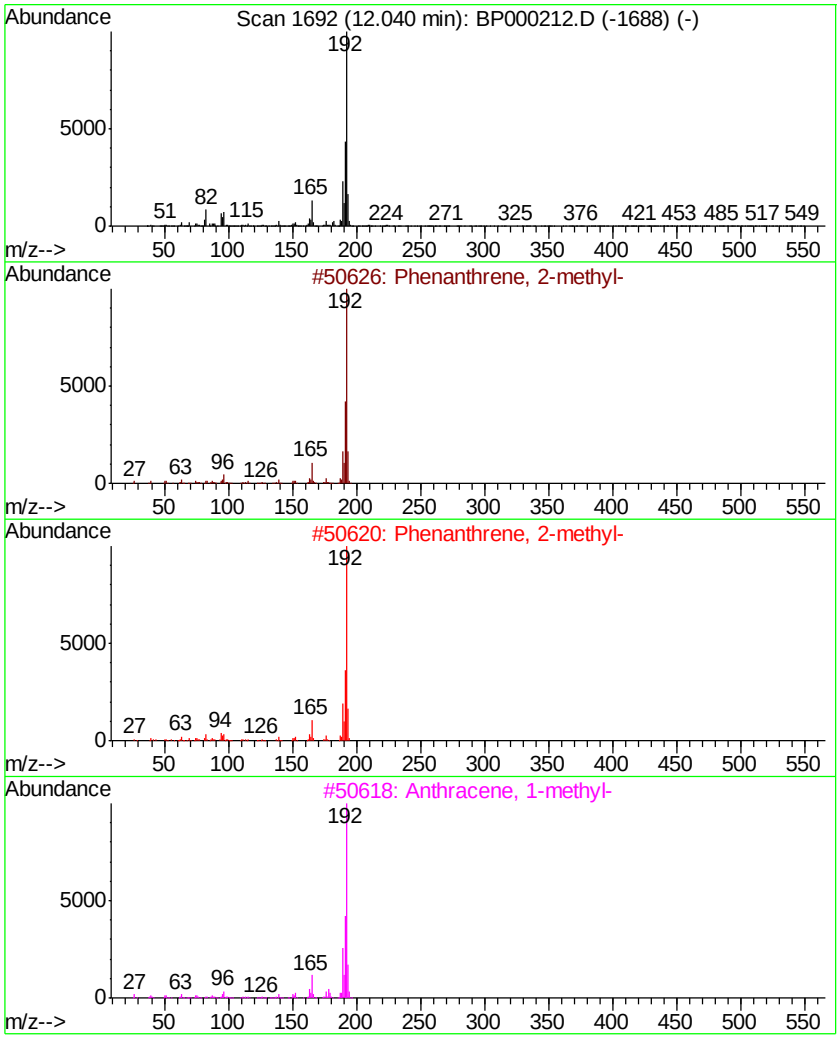
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

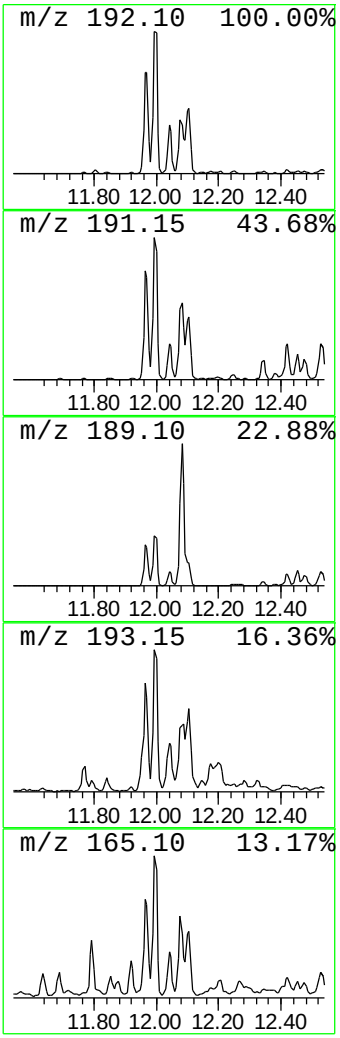
****

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.50 ng/ul	882992	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

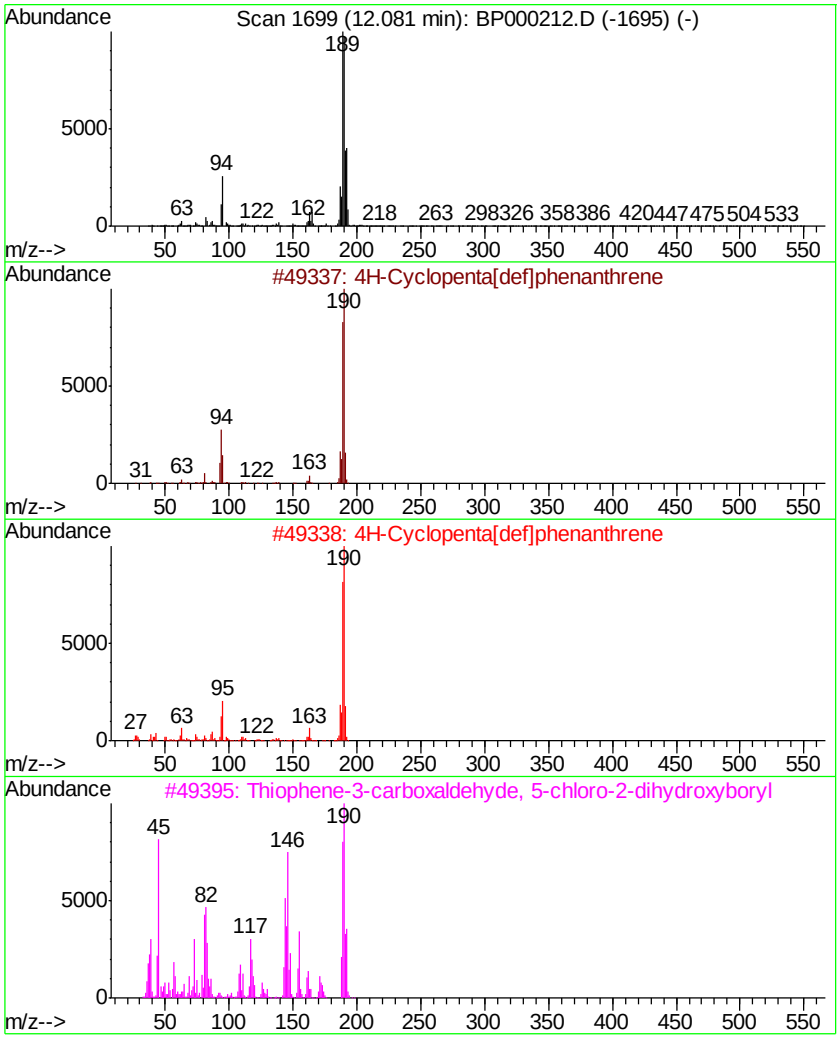
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

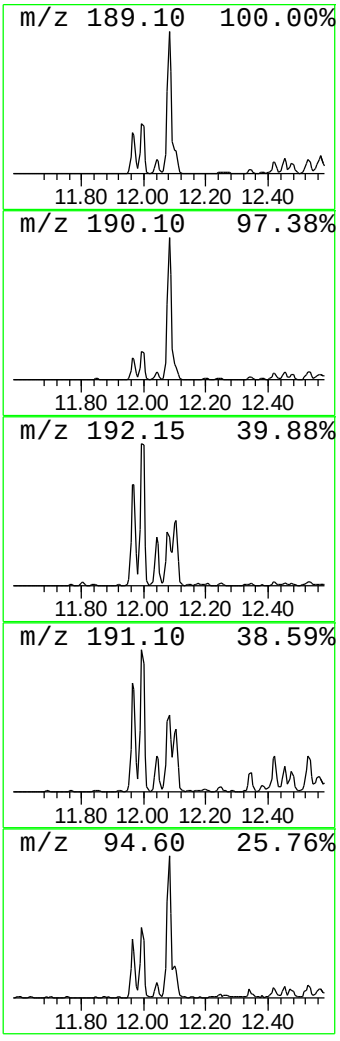
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	24.55 ng/ul	3333160	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

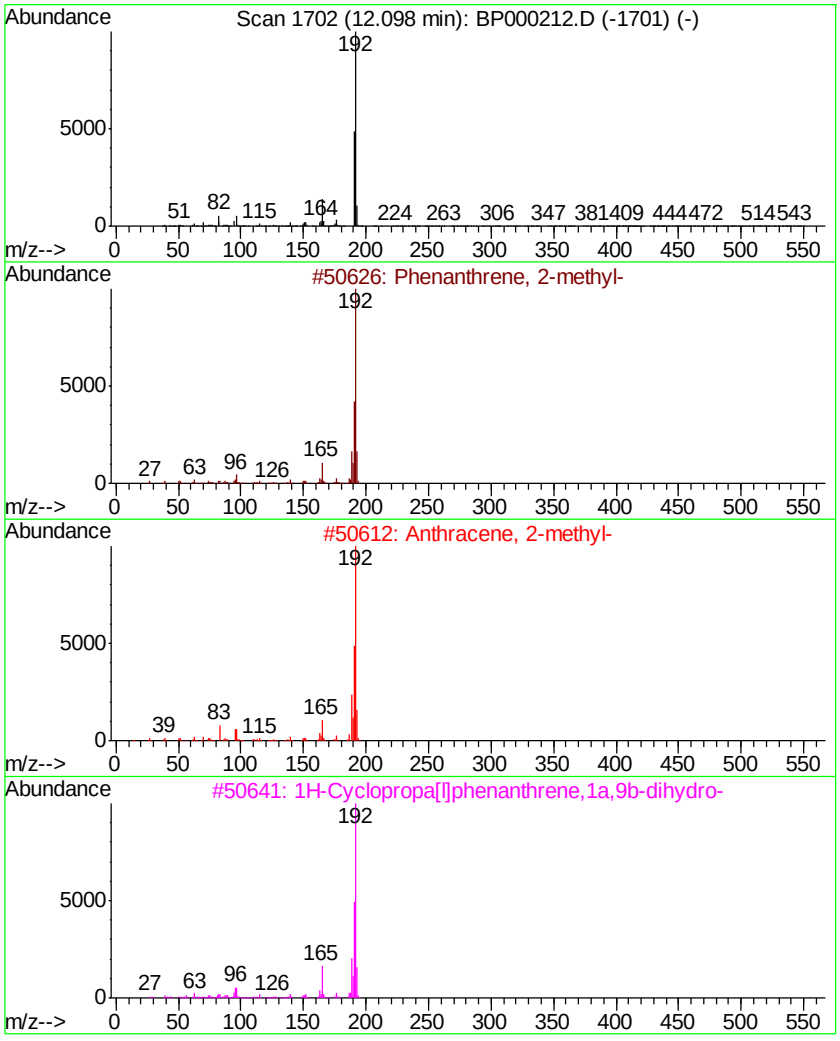
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

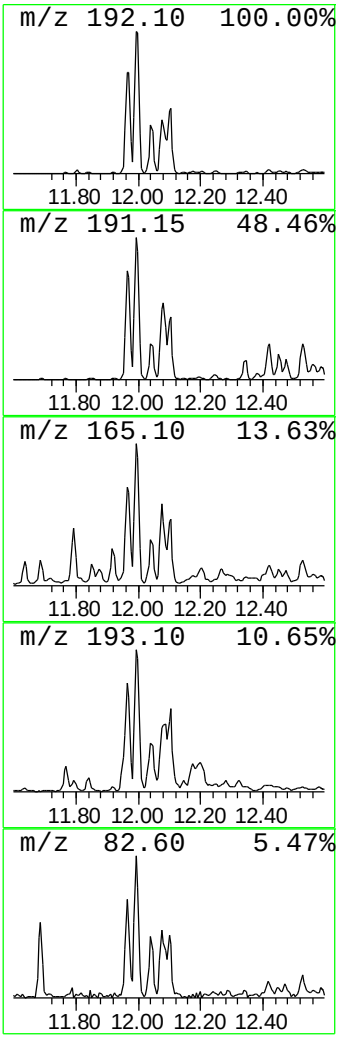
****

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.98 ng/ul	1083250	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

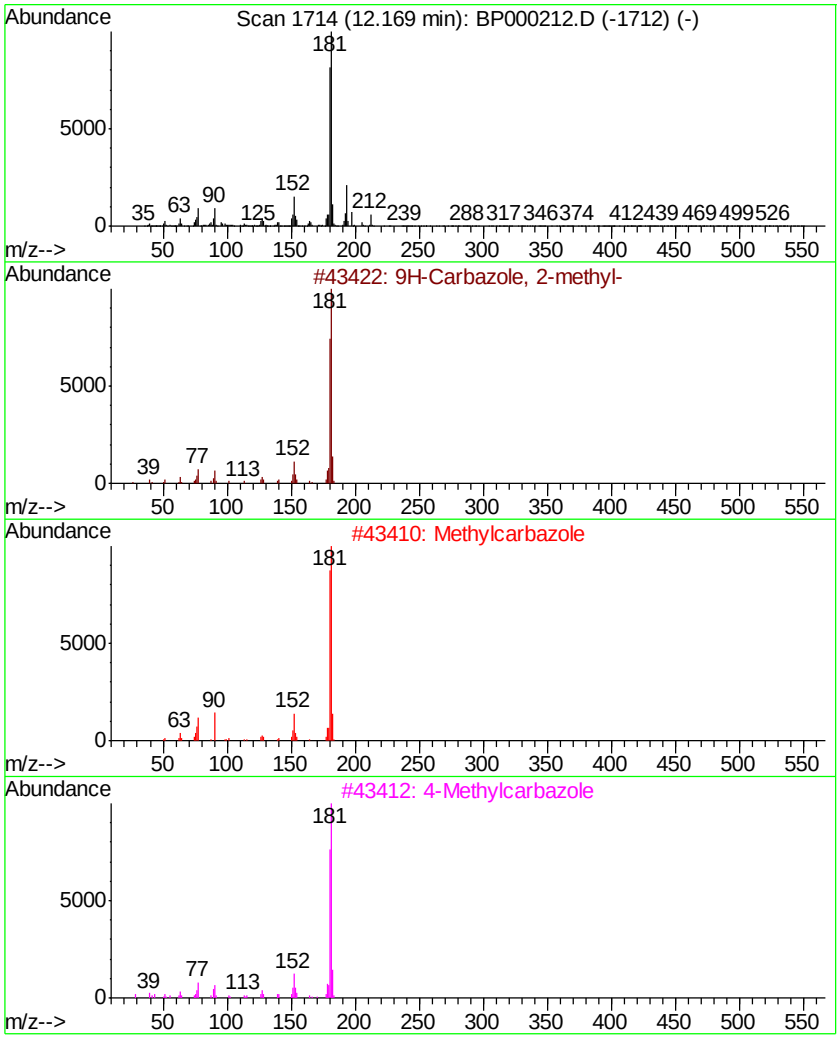
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

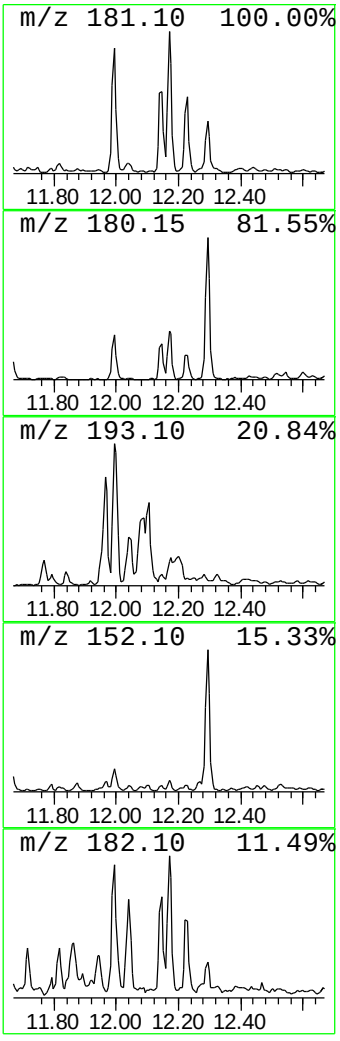
****

Peak Number 15 9H-Carbazole, 2-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.23 ng/ul	302890	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	95
2	Methylcarbazole	181	C13H11N	027323-29-1	94
3	4-Methylcarbazole	181	C13H11N	003770-48-7	94
4	3-Methylcarbazole	181	C13H11N	004630-20-0	94
5	1-Methylcarbazole	181	C13H11N	006510-65-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

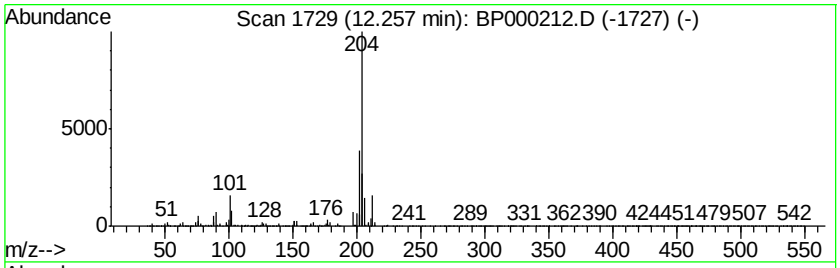
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

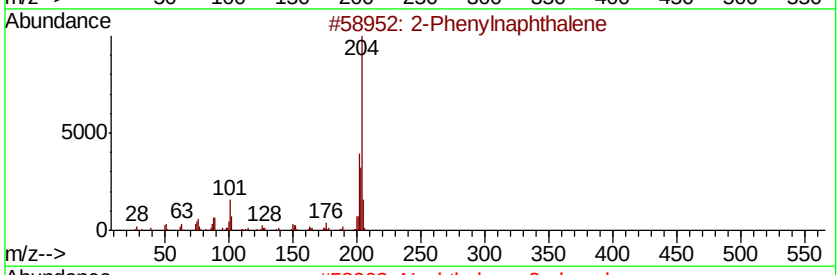
****

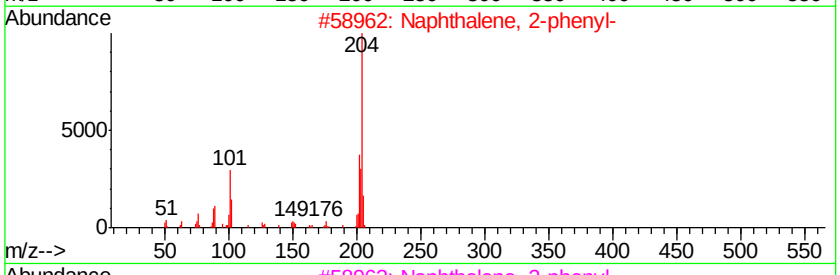
Peak Number 16 2-Phenylnaphthalene Concentration Rank 7

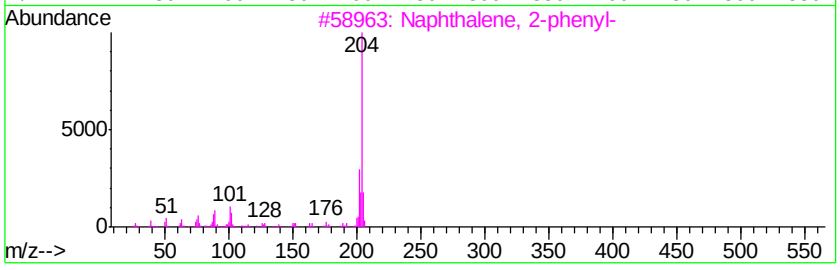
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	10.83 ng/ul	1469640	Phenanthrene-d10	11.46

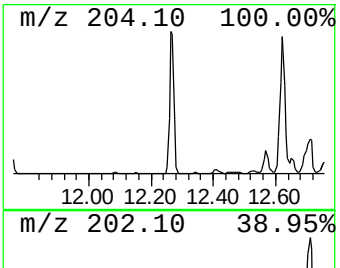
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81

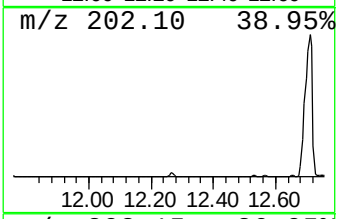


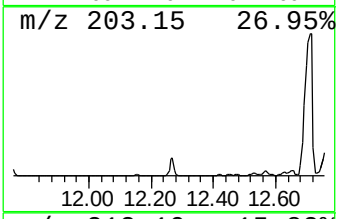


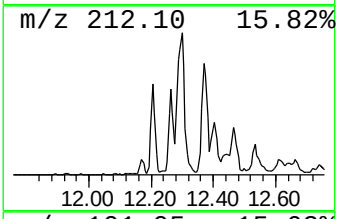


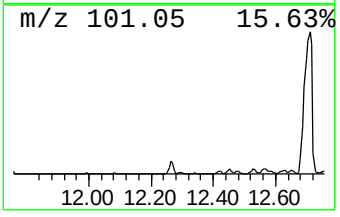












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

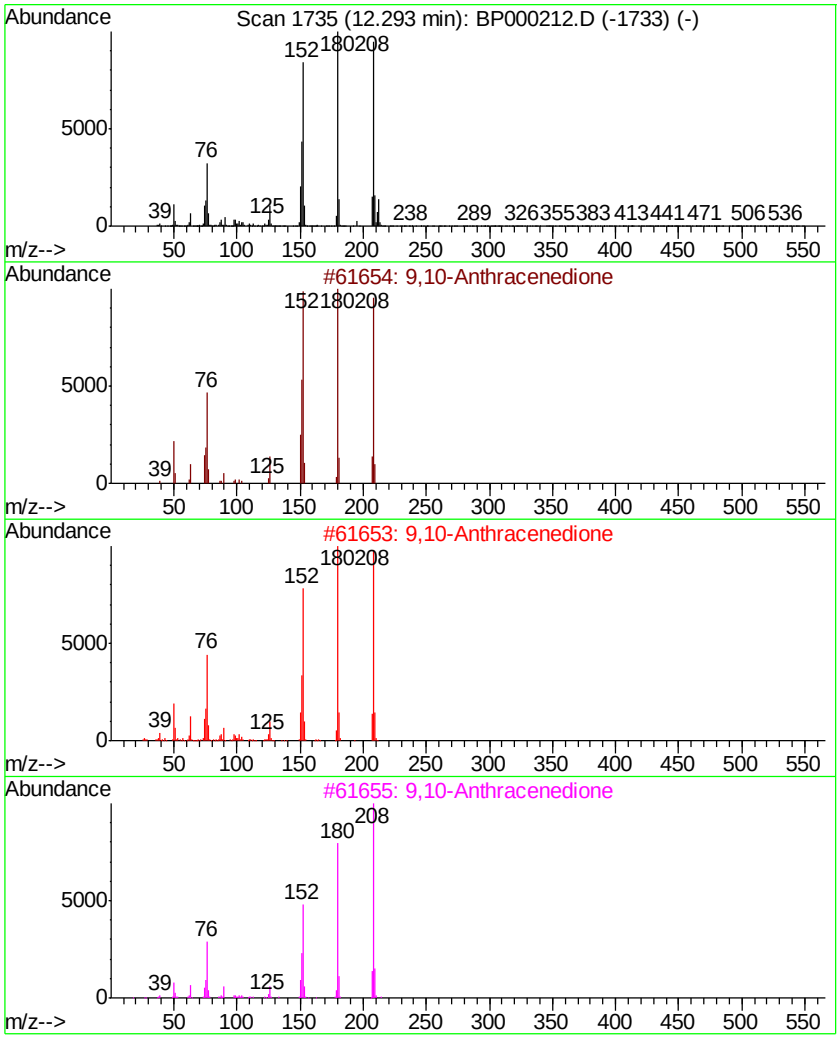
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

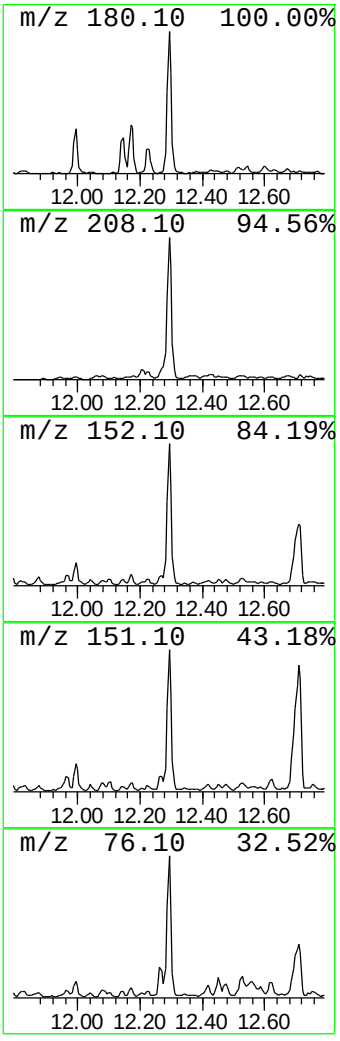
****

Peak Number 17 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	12.10 ng/ul	1642890	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

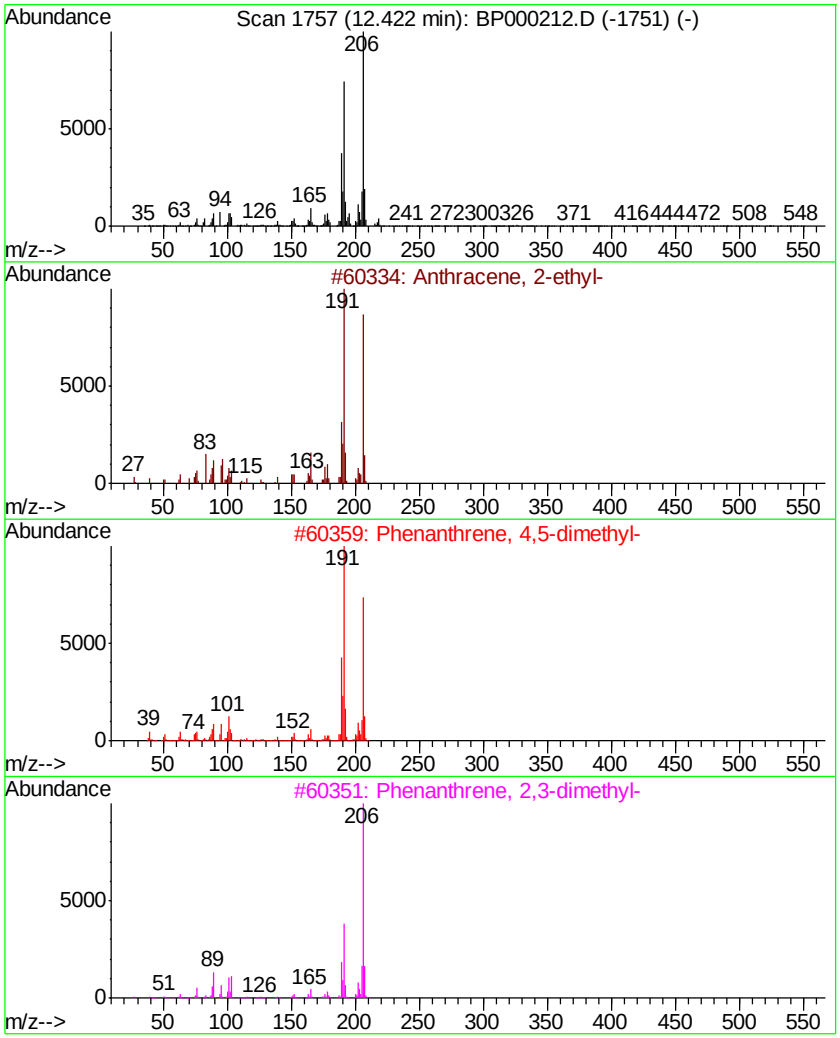
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

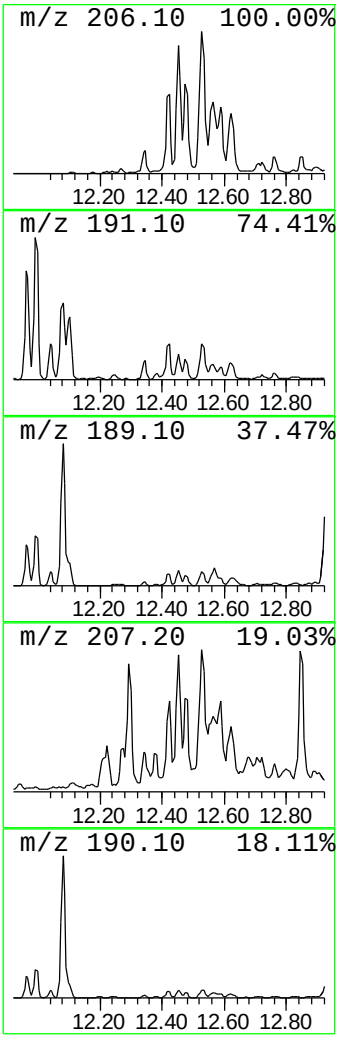
****

Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.61 ng/ul	760884	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

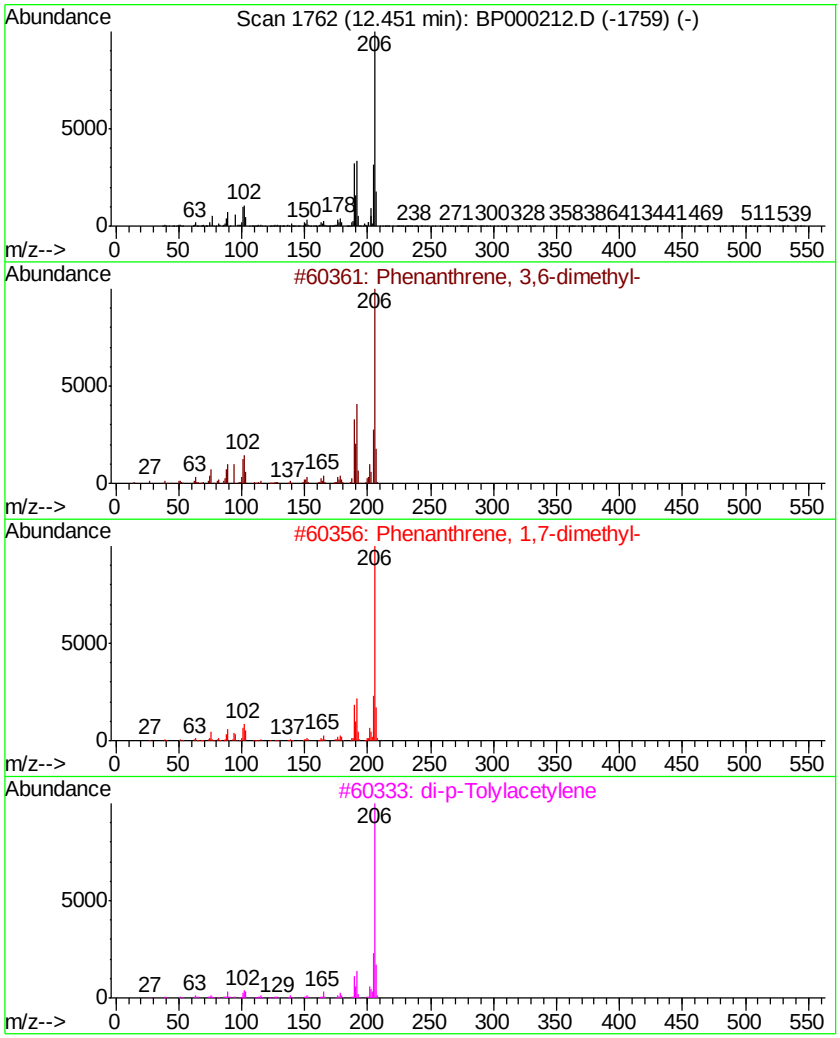
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

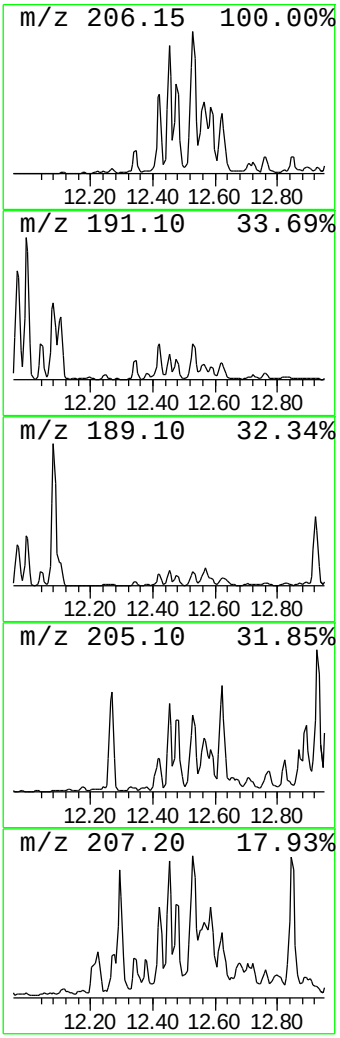
****

Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.39 ng/ul	732179	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

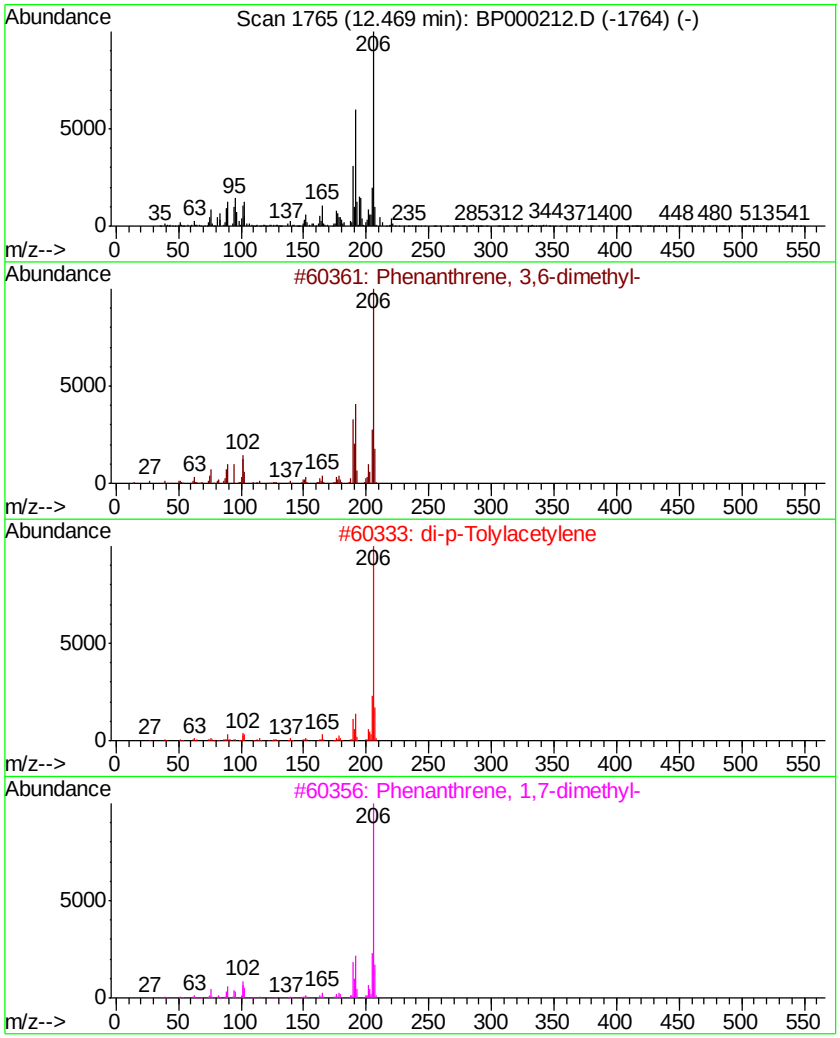
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

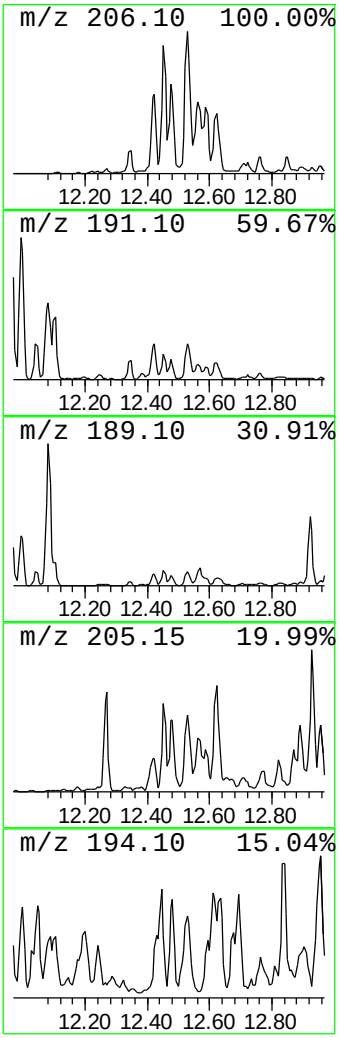
****

Peak Number 20 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	5.08 ng/ul	689911	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

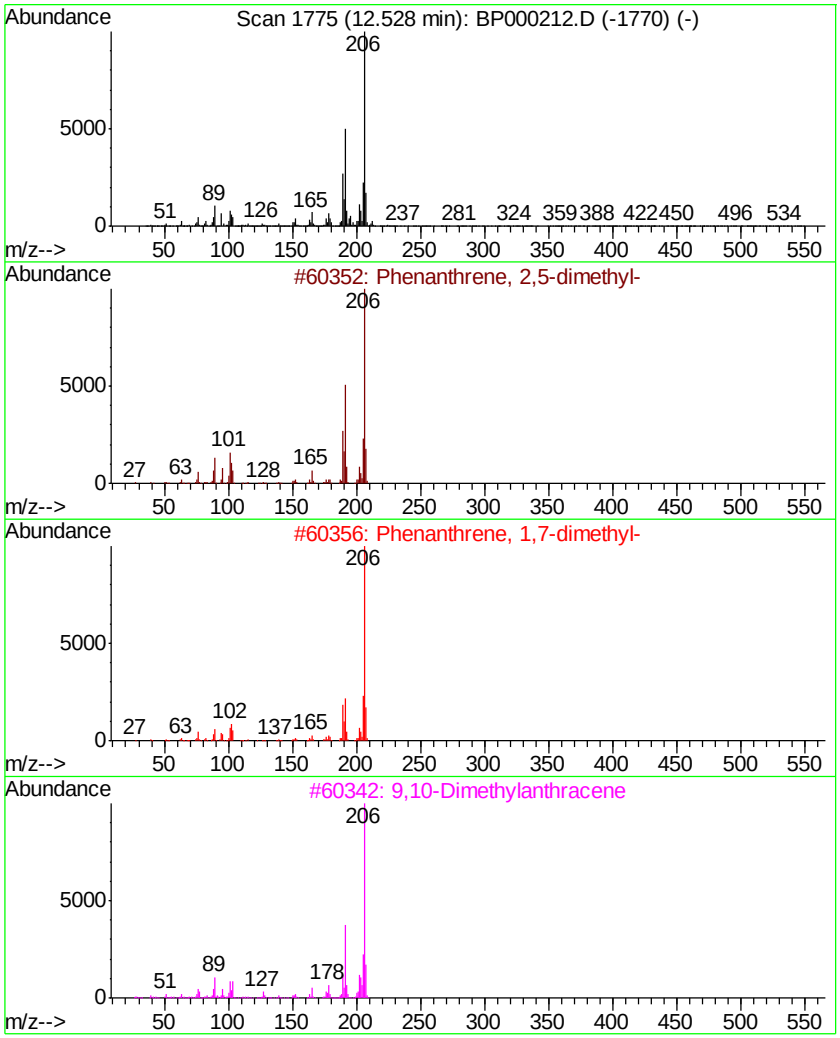
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

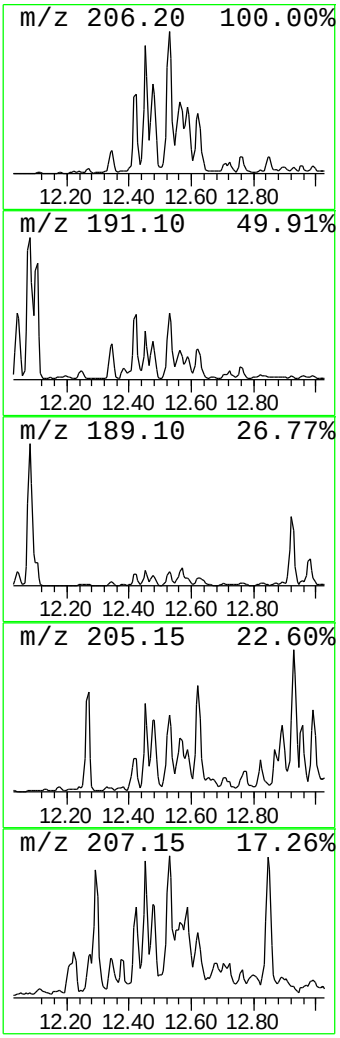
****

Peak Number 21 Phenanthrene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	10.69 ng/ul	1451060	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, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

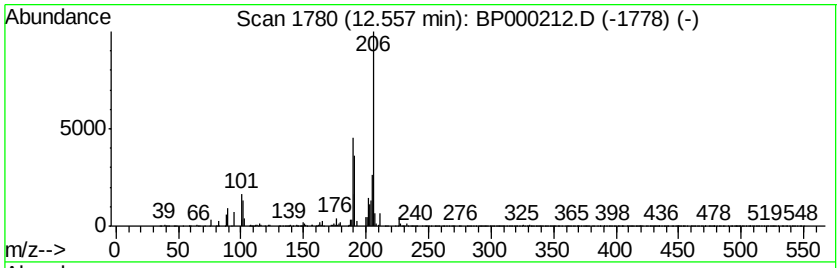
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

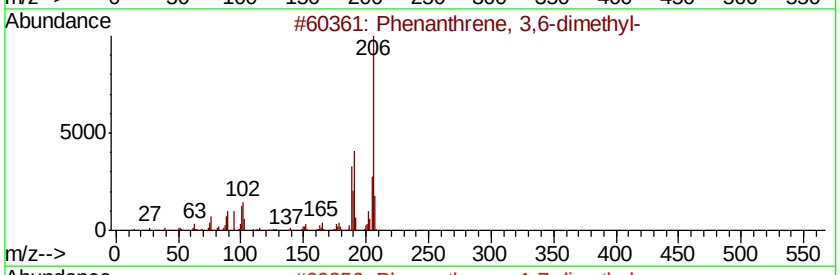
****

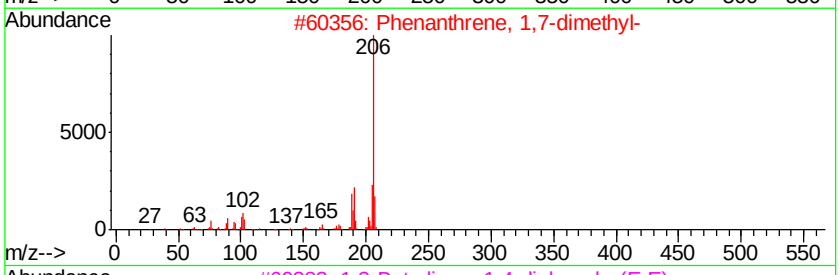
Peak Number 22 unknown-01 Concentration Rank 12

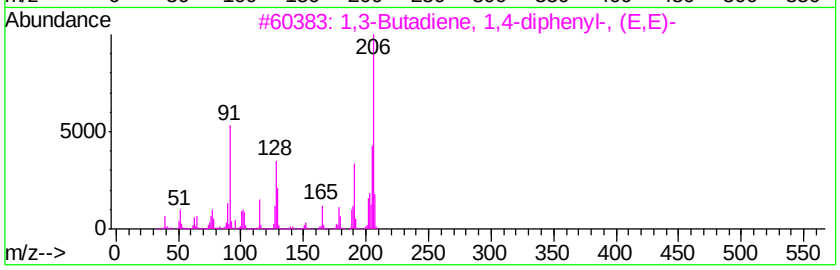
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	7.08 ng/ul	961602	Phenanthrene-d10	11.46

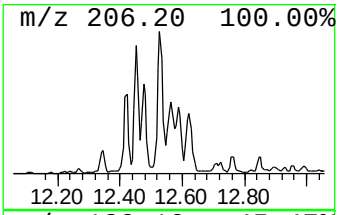
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	40
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	38

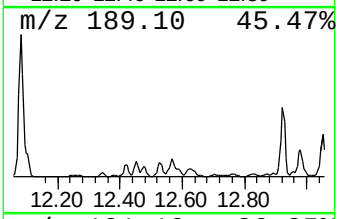


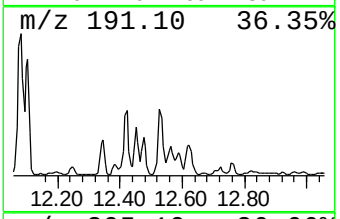


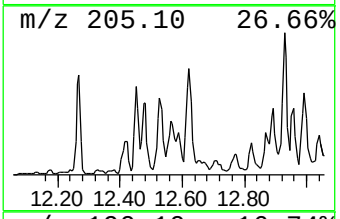


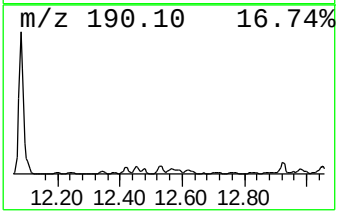












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

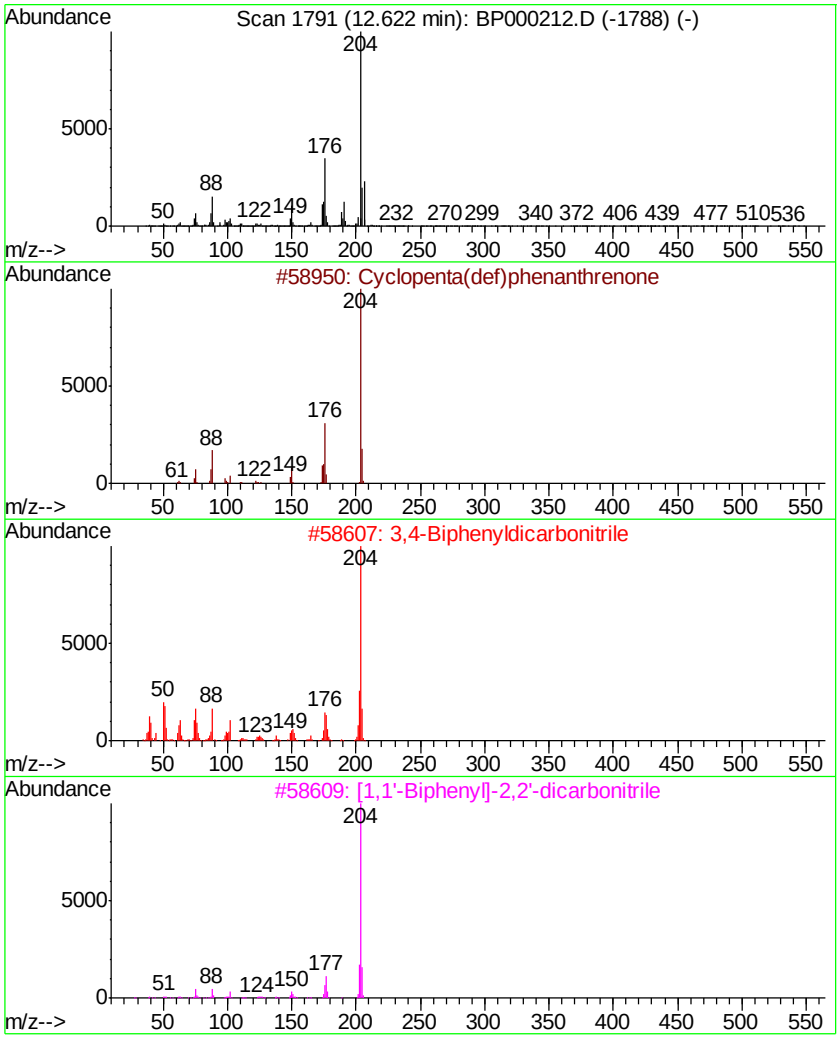
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

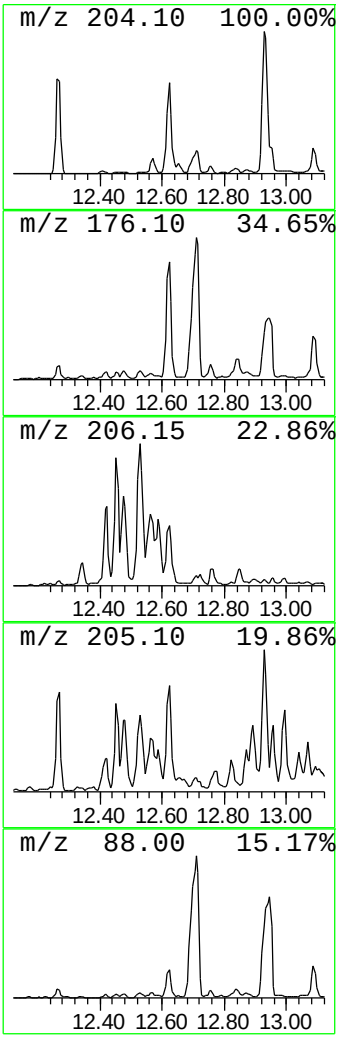
****

Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	12.57 ng/ul	1706010	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

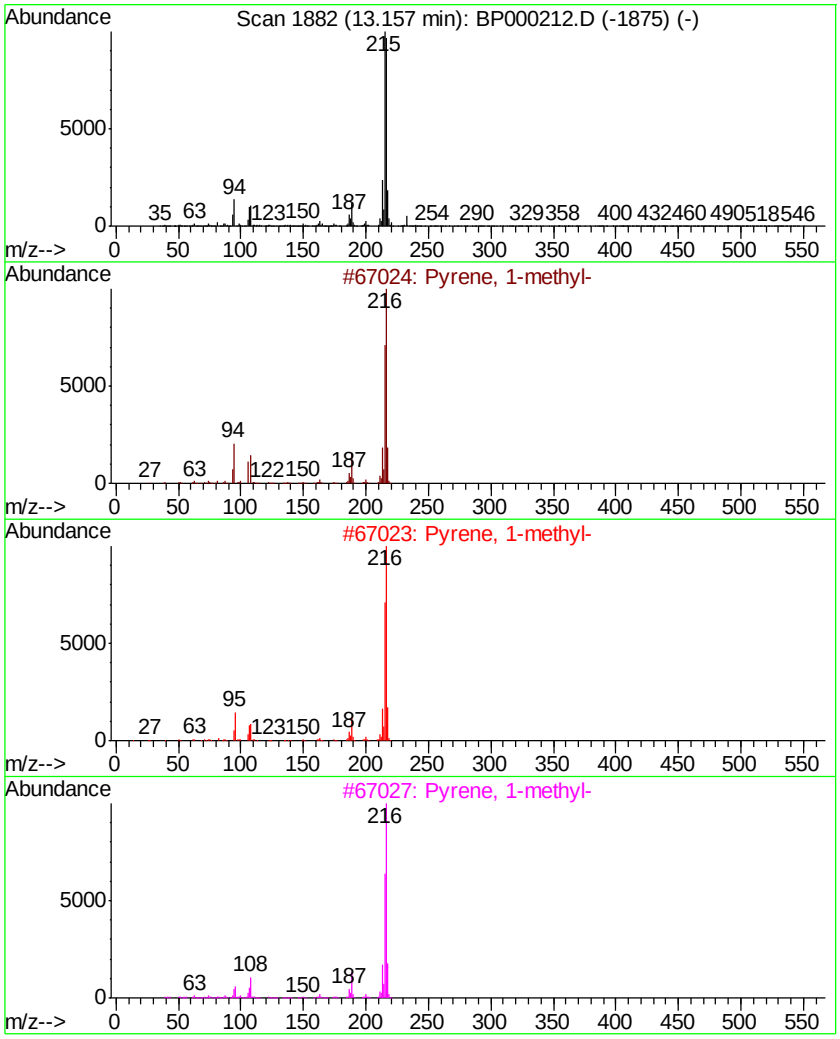
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

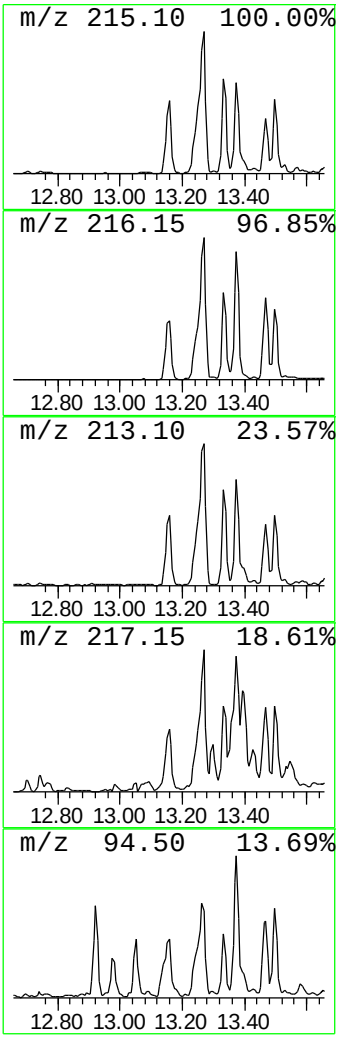
****

Peak Number 24 Pyrene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.73 ng/ul	3186010	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	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

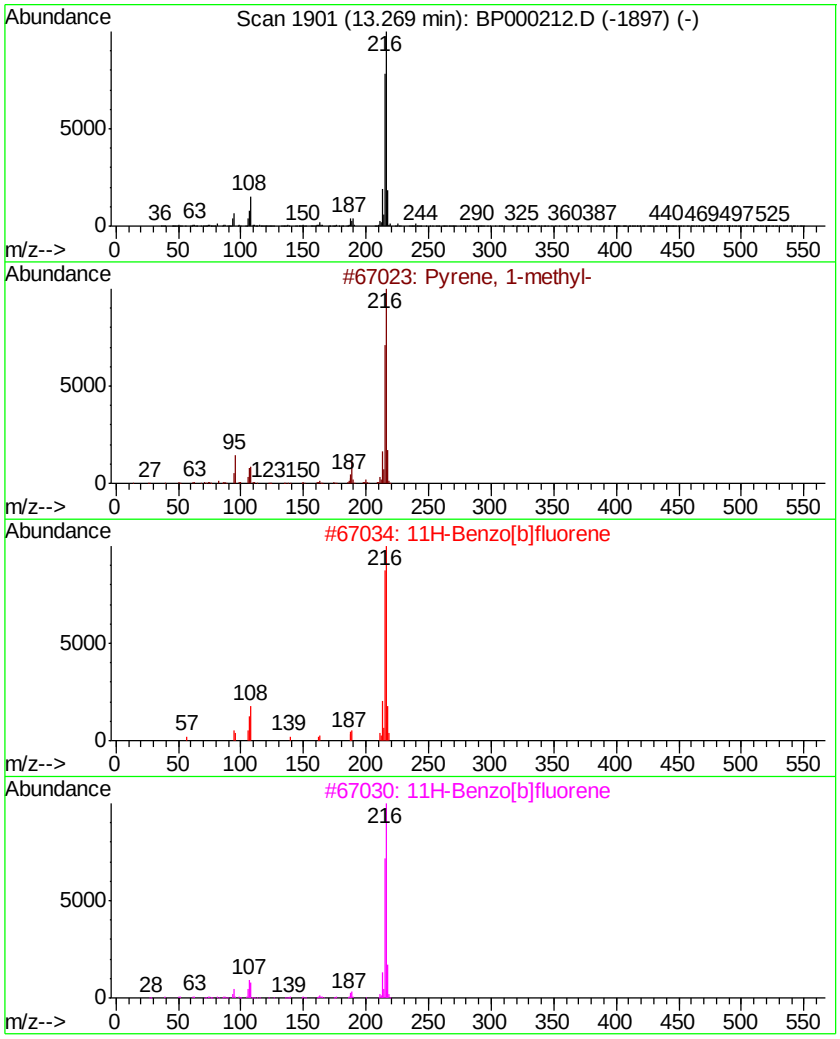
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

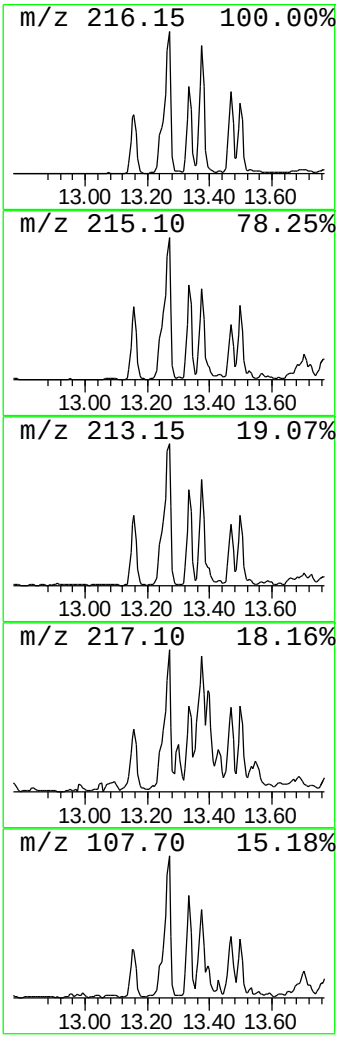
****

Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.98 ng/ul	4643290	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

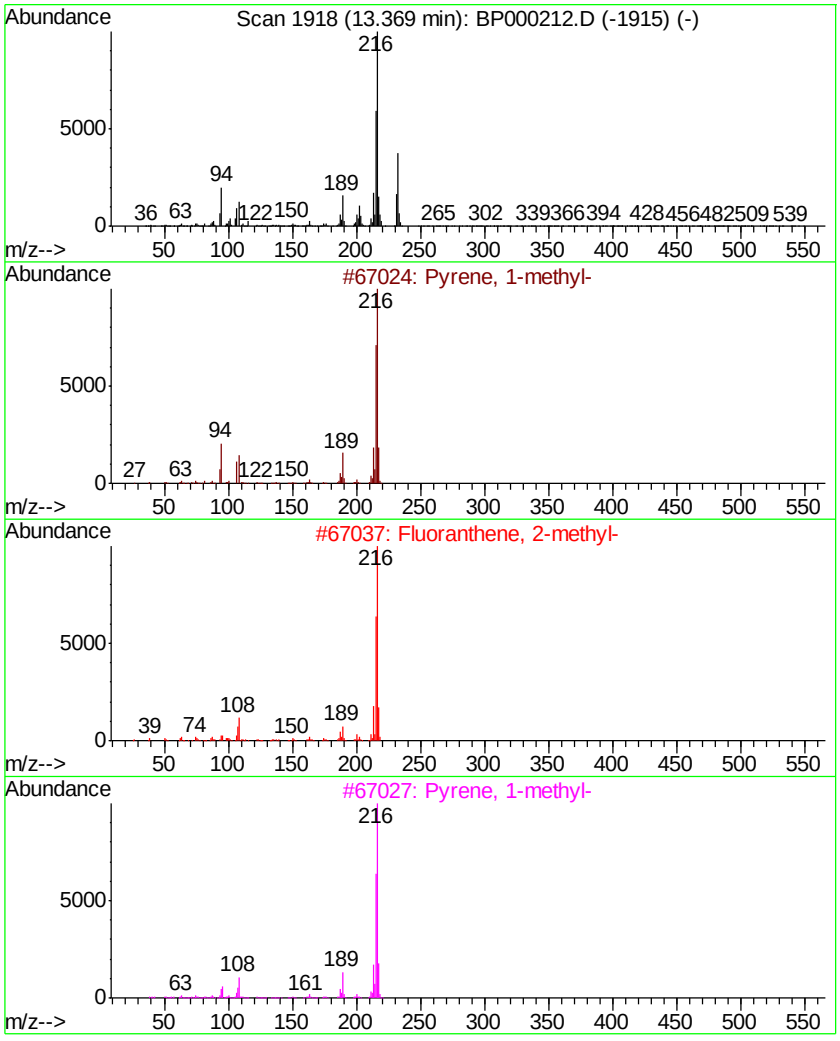
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

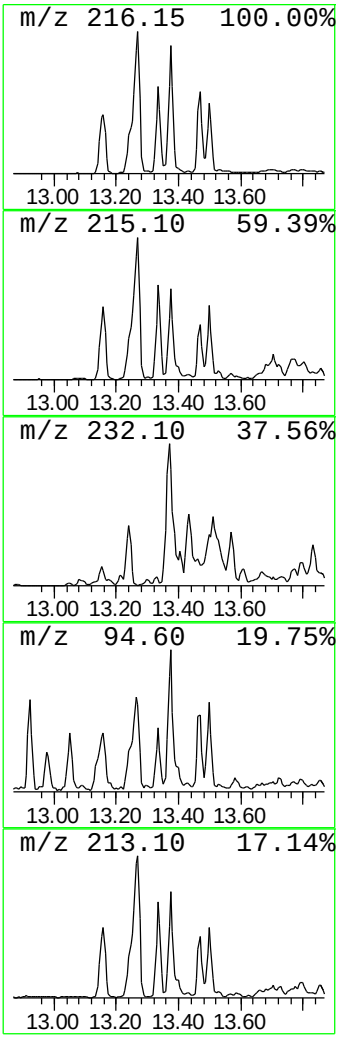
****

Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	3.56 ng/ul	4156820	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

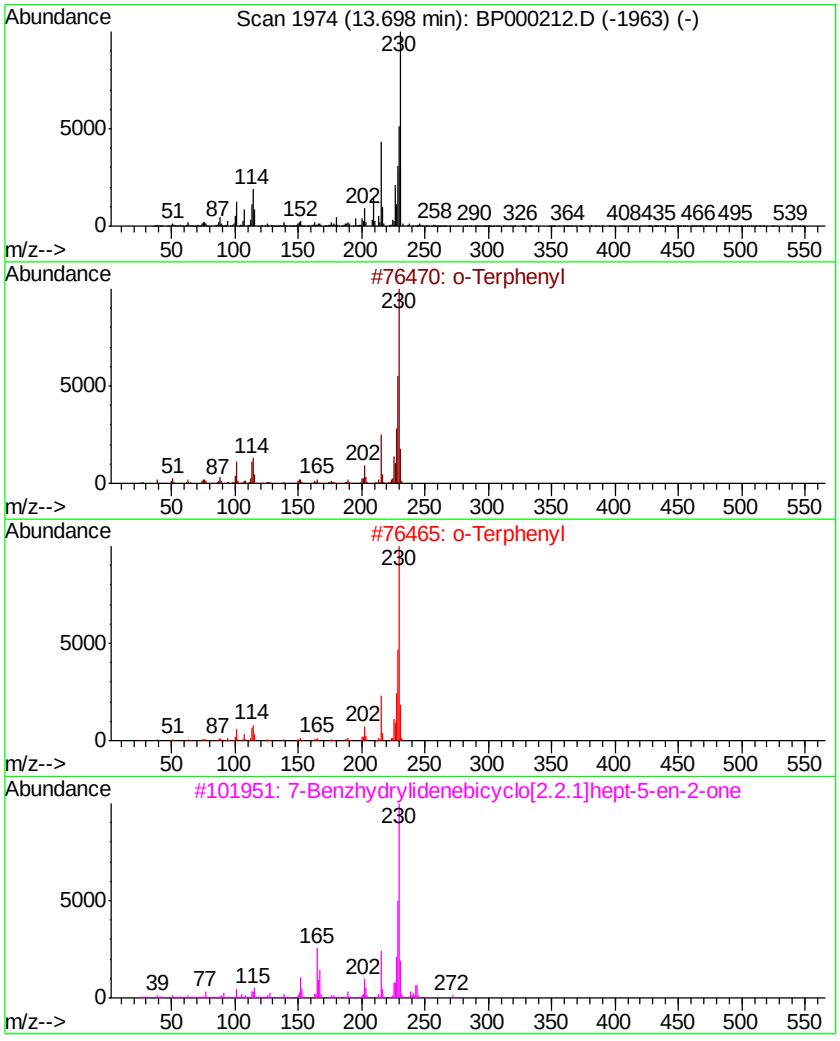
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

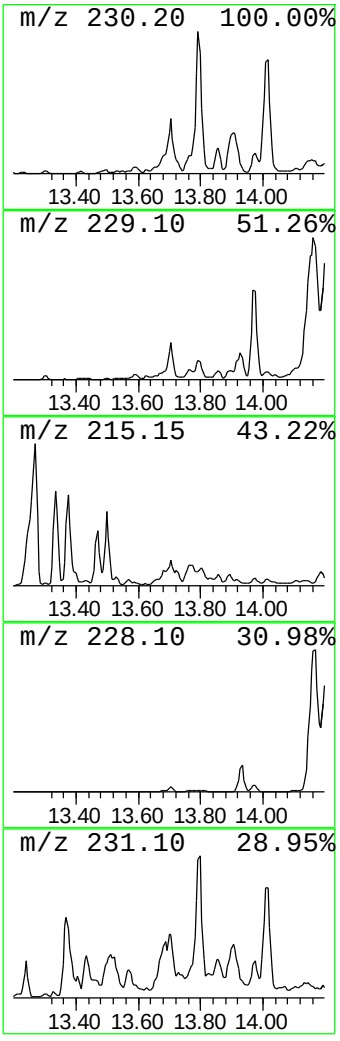
****

Peak Number 27 o-Terphenyl Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	3.25 ng/ul	3790540	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	93
2	o-Terphenyl	230	C18H14	000084-15-1	93
3	7-Benzhydrylidenebicyclo[2.2.1]h...	272	C20H16O	118999-90-9	90
4	o-Terphenyl	230	C18H14	000084-15-1	89
5	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

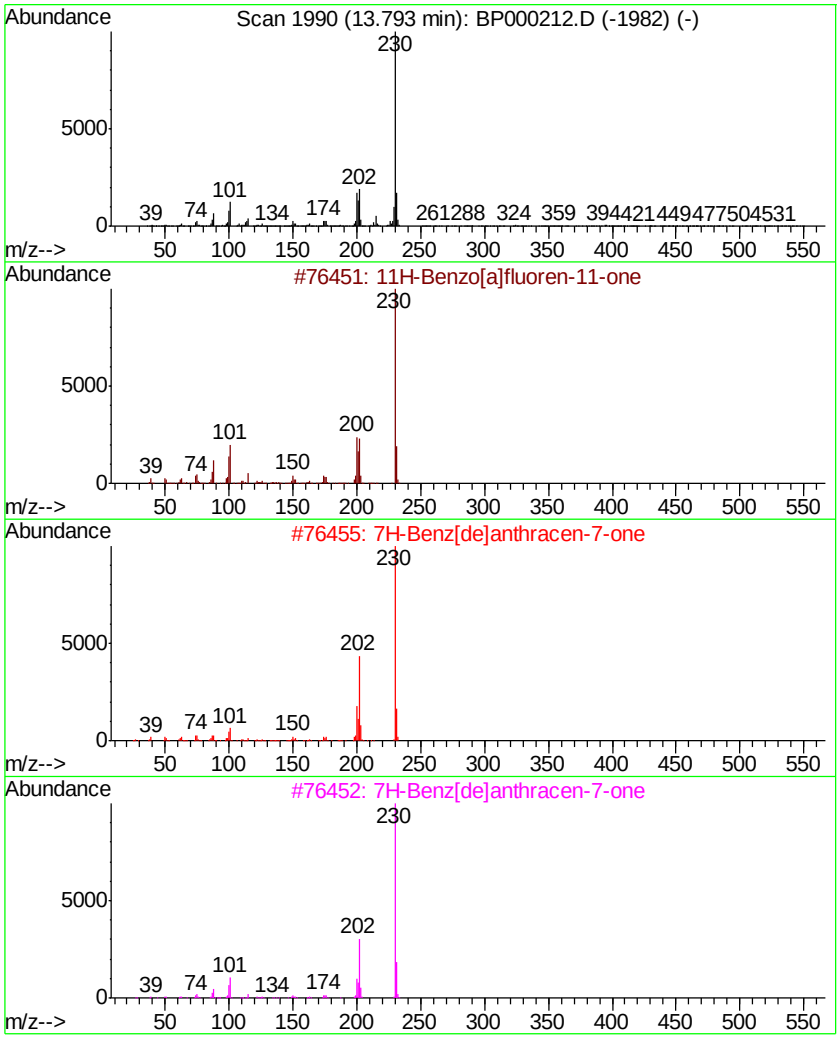
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

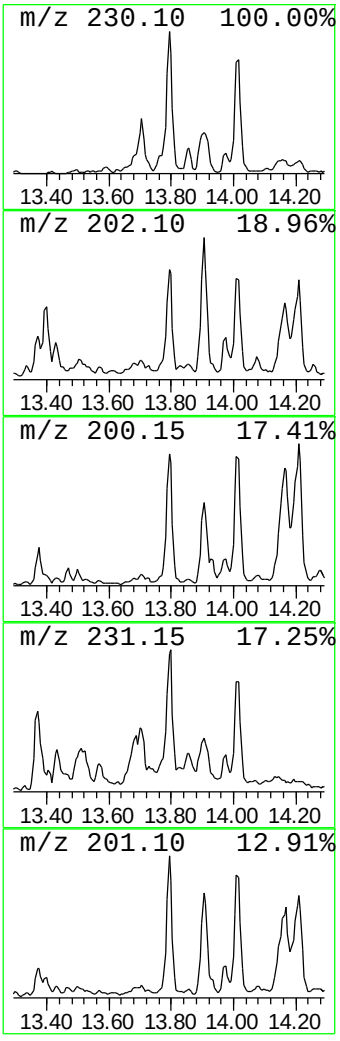
****

Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.23 ng/ul	4939360	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

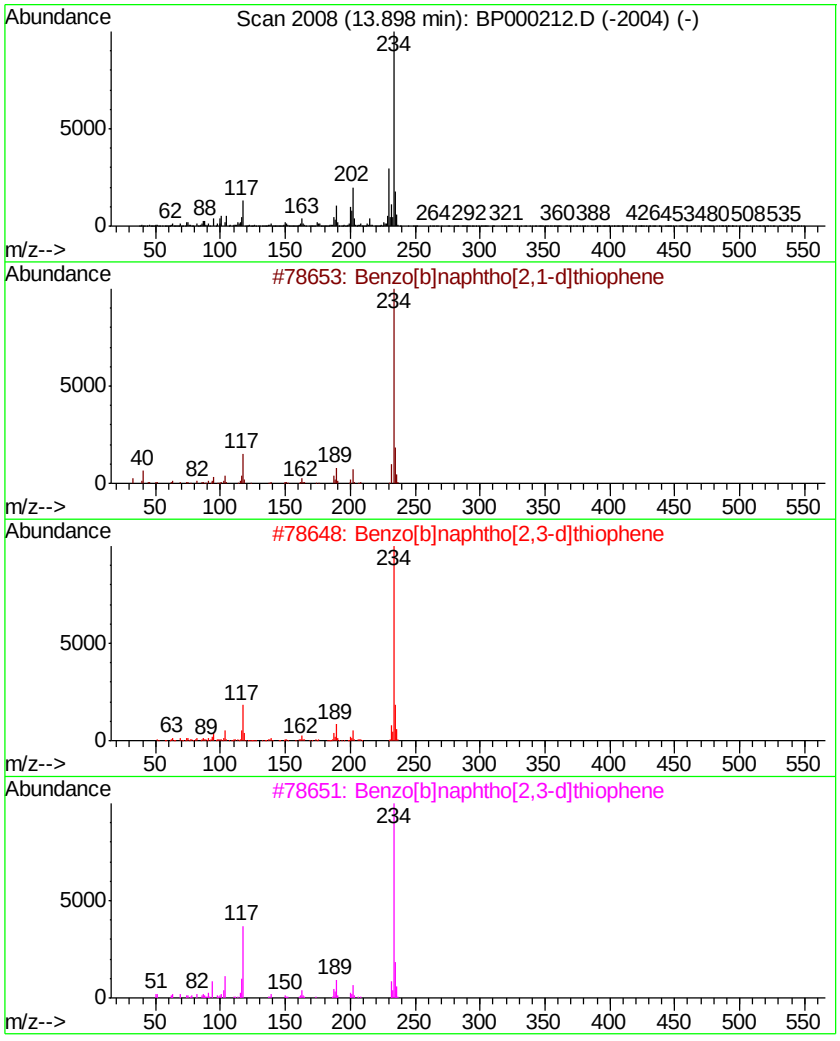
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

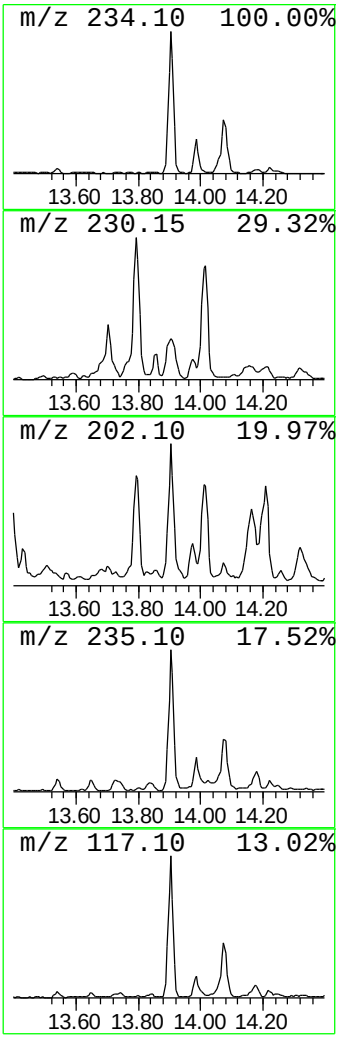
****

Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	5.25 ng/ul	6127810	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	92
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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

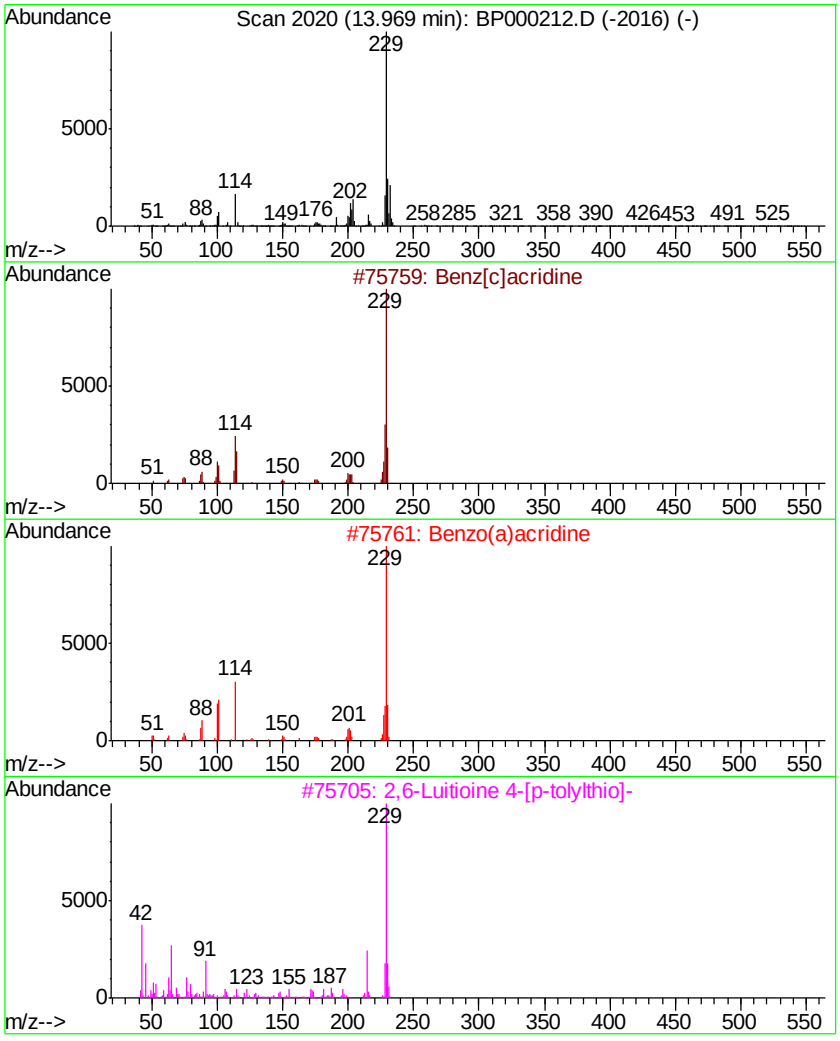
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

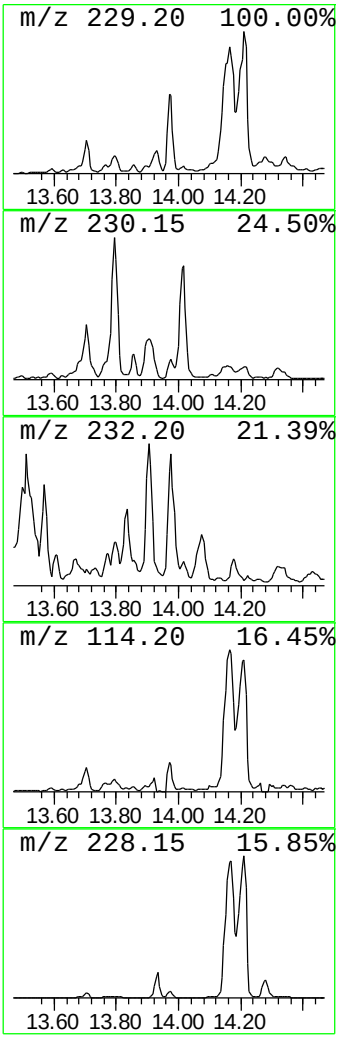
****

Peak Number 30 Benz[c]acridine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.63 ng/ul	4228780	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	58
2	Benzo(a)acridine	229	C17H11N	000225-11-6	52
3	2,6-Luitioine 4-[p-tolylthiol-	229	C14H15NS	1000252-20-5	47
4	Ferrocene, [(hydroxyimino)methyl...	229	C11H11FeNO	032679-07-5	47
5	Thiazolidin-2-one, 3-(1-naphthyl)-	229	C13H11NOS	100727-14-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D27

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	5.4	ng/ul	519119	1	6.89	1930070	20.0
6H-Dibenzo[b,d]-p...	10.74	2.8	ng/ul	379606	4	11.46	2714900	20.0
1(2H)-Acenaphthyl...	10.87	2.4	ng/ul	330787	4	11.46	2714900	20.0
Phenanthrene, 9,1...	11.03	2.0	ng/ul	275219	4	11.46	2714900	20.0
9H-Fluoren-9-one	11.25	8.2	ng/ul	1113270	4	11.46	2714900	20.0
Anthracene, 1,2,3...	11.31	6.0	ng/ul	813695	4	11.46	2714900	20.0
Dibenzothiophene	11.35	7.6	ng/ul	1035600	4	11.46	2714900	20.0
Dibenzothiophene,...	11.88	2.9	ng/ul	394459	4	11.46	2714900	20.0
Phenanthrene, 2-m...	11.96	16.5	ng/ul	2237630	4	11.46	2714900	20.0
Anthracene, 2-met...	11.99	22.2	ng/ul	3010050	4	11.46	2714900	20.0
Anthracene, 1-met...	12.04	6.5	ng/ul	882992	4	11.46	2714900	20.0
4H-Cyclopenta[def...	12.08	24.6	ng/ul	3333160	4	11.46	2714900	20.0
1H-Cyclopropa[l]p...	12.10	8.0	ng/ul	1083250	4	11.46	2714900	20.0
9H-Carbazole, 2-m...	12.17	2.2	ng/ul	302890	4	11.46	2714900	20.0
2-Phenylnaphthalene	12.26	10.8	ng/ul	1469640	4	11.46	2714900	20.0
9,10-Anthracenedione	12.29	12.1	ng/ul	1642890	4	11.46	2714900	20.0
Phenanthrene, 4,5...	12.42	5.6	ng/ul	760884	4	11.46	2714900	20.0
Phenanthrene, 3,6...	12.45	5.4	ng/ul	732179	4	11.46	2714900	20.0
di-p-Tolylacetylene	12.47	5.1	ng/ul	689911	4	11.46	2714900	20.0
Phenanthrene, 1,7...	12.53	10.7	ng/ul	1451060	4	11.46	2714900	20.0
unknown-01	12.56	7.1	ng/ul	961602	4	11.46	2714900	20.0
Cyclopenta(def)ph...	12.62	12.6	ng/ul	1706010	4	11.46	2714900	20.0
Pyrene, 1-methyl-	13.16	2.7	ng/ul	3186010	5	14.17	23326800	20.0
11H-Benzo[b]fluorene	13.27	4.0	ng/ul	4643290	5	14.17	23326800	20.0
Fluoranthene, 2-m...	13.37	3.6	ng/ul	4156820	5	14.17	23326800	20.0
o-Terphenyl	13.70	3.3	ng/ul	3790540	5	14.17	23326800	20.0
11H-Benzo[a]fluor...	13.79	4.2	ng/ul	4939360	5	14.17	23326800	20.0
Benzo[b]naphtho[2...	13.90	5.3	ng/ul	6127810	5	14.17	23326800	20.0
Benz[c]acridine	13.97	3.6	ng/ul	4228780	5	14.17	23326800	20.0