LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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	2.170	7	14	19	rBV	7877875	12228101	100.00%	10.491%
2	2.287	30	34	38	rVV	25149	33623	0.27%	0.029%
3	2.328	38	41	48	rVB	25541	39967	0.33%	0.034%
4	2.617	86	90	99	rVB	54630	81330	0.67%	0.070%
5	3.781	283	288	293	rBV	20095	29950	0.24%	0.026%
6	3.928	309	313	317	rVV	19087	23737	0.19%	0.020%
7	3.975	317	321	324	rVV	75239	97244	0.80%	0.083%
8	4.005	324	326	335	rVB	23111	28258	0.23%	0.024%
9	4.199	355	359	366	rBV	31347	40249	0.33%	0.035%
10	4.799	457	461	467	rVB	29984	32343	0.26%	0.028%
11	5.093	505	511	518	rBV	77702	78156	0.64%	0.067%
12	6.028	666	670	674	rBV	50619	41633	0.34%	0.036%
13	6.205	693	700	707	rVB2	22122	27155	0.22%	0.023%
14	6.516	750	753	759	rBV2	1764335	1791908	14.65%	1.537%
15	6.575	759	763	767	rVB	1368173	1173479	9.60%	1.007%
16	6.664	775	778	782	rBV	1852479	1624056	13.28%	1.393%
17	6.722	786	788	793	rVB2	23146	26879	0.22%	0.023%
18	6.899	814	818	821	rBV	2402430	1854467	15.17%	1.591%
19	7.263	877	880	884	rBV	2087740	1859242	15.20%	1.595%
20	7.452	908	912	915	rVV	1757274	1400479	11.45%	1.202%
21	7.534	923	926	929	rBV2	25114	21685	0.18%	0.019%
22	7.663	945	948	953	rVB	55488	43234	0.35%	0.037%
23	7.781	964	968	971	rBV	1496631	1167147	9.54%	1.001%
24	8.022	1006	1009	1013	rBV	2567158	1989229	16.27%	1.707%
25	8.087	1017	1020	1033	rVV2	37362	50047	0.41%	0.043%
26	8.181	1033	1036	1039	rVV	3013952	2449938	20.04%	2.102%
27	8.205	1039	1040	1042	rVV	131034	70239	0.57%	0.060%
28	8.234	1042	1045	1059	rVV	1142233	1055572	8.63%	0.906%
29	8.505	1086	1091	1094	rBV2	15744	18970	0.16%	0.016%
30	8.863	1149	1152	1155	rVV	40079	34730	0.28%	0.030%
31	8.899	1155	1158	1161	rVV	61139	45626	0.37%	0.039%
32	8.946	1163	1166	1172	rBV3	13486	18718	0.15%	0.016%
33	8.999	1172	1175	1178	rBV	50473	39462	0.32%	0.034%
34	9.363	1232	1237	1239	rBV2	35863	35094	0.29%	0.030%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
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Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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	9.463	1252	1254	1258	rVB	20465	18752	0.15%	0.016%
36	9.528	1262	1265	1269	rBV2	24934	33894	0.28%	0.029%
37	9.610	1275	1279	1280	rBV	81805	79170	0.65%	0.068%
38	9.640	1280	1284	1286	rVV	2749011	2606527	21.32%	2.236%
39	9.657	1286	1287	1293	rVB	975876	644820	5.27%	0.553%
40	9.799	1307	1311	1320	rBV	3563443	3452848	28.24%	2.962%
41	9.952	1333	1337	1340	rBV	3522294	2883713	23.58%	2.474%
42	9.981	1340	1342	1346	rVB	432571	377332	3.09%	0.324%
43	10.046	1349	1353	1360	rBV	945751	1210608	9.90%	1.039%
44	10.157	1369	1372	1377	rVB	250819	235902	1.93%	0.202%
45	10.234	1383	1385	1388	rVB	136494	105493	0.86%	0.091%
46	10.475	1423	1426	1429	rBV	4153349	3538683	28.94%	3.036%
47	10.504	1429	1431	1435	rVB	326424	278147	2.27%	0.239%
48	10.546	1435	1438	1445	rBV	525202	633776	5.18%	0.544%
49	10.663	1456	1458	1462	rVB	85676	76208	0.62%	0.065%
50	10.746	1470	1472	1476	rVB	76335	83232	0.68%	0.071%
51	10.869	1491	1493	1497	rVB3	83955	92036	0.75%	0.079%
52	11.216	1550	1552	1556	rVB3	40265	37616	0.31%	0.032%
53	11.257	1556	1559	1564	rVB	301425	297561	2.43%	0.255%
54	11.351	1572	1575	1581	rVB	226513	223936	1.83%	0.192%
55	11.457	1589	1593	1595	rBV	2756436	2774623	22.69%	2.380%
56	11.487	1595	1598	1601	rVV	3899019	3953600	32.33%	3.392%
57	11.516	1601	1603	1610	rVV2	3678167	4183723	34.21%	3.589%
58	11.569	1610	1612	1616	rVB	113942	105752	0.86%	0.091%
59	11.693	1627	1633	1641	rBV2	636159	809213	6.62%	0.694%
60	11.757	1642	1644	1648	rVV3	76441	77269	0.63%	0.066%
61	11.799	1648	1651	1655	rVB3	90471	127481	1.04%	0.109%
62	11.928	1670	1673	1675	rBV2	63955	68565	0.56%	0.059%
63	11.969	1676	1680	1682	rBV	385455	389137	3.18%	0.334%
64	12.004	1682	1686	1691	rVV2	1485479	1659769	13.57%	1.424%
65	12.046	1691	1693	1696	rVB	138235	128775	1.05%	0.110%
66	12.087	1696	1700	1702	rBV	586755	663979	5.43%	0.570%
67	12.151	1708	1711	1713	rBV2	64946	70240	0.57%	0.060%
68	12.181	1713	1716	1719	rVV	90284	97789	0.80%	0.084%
69	12.269	1728	1731	1734	rBV	304569	319290	2.61%	0.274%
70	12.299	1734	1736	1742	rVB	488273	543139	4.44%	0.466%
71	12.428	1755	1758	1760	rVB2	75278	71265	0.58%	0.061%

LSC Area Percent Report

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Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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	12.457	1760	1763	1765	rBV2	73683	63492	0.52%	0.054%
73	12.481	1765	1767	1772	rVB	83039	76639	0.63%	0.066%
74	12.534	1773	1776	1779	rBV	198568	243447	1.99%	0.209%
75	12.622	1788	1791	1798	rVB	314941	444418	3.63%	0.381%
76	12.704	1800	1805	1814	rBV	6958598	8547501	69.90%	7.333%
77	12.810	1819	1823	1825	rBV2	294768	336738	2.75%	0.289%
78	12.851	1827	1830	1837	rVB2	271206	366725	3.00%	0.315%
79	12.922	1837	1842	1843	rBV2	3834521	4794253	39.21%	4.113%
80	12.940	1843	1845	1851	rVB	5299021	5522897	45.17%	4.738%
81	13.057	1861	1865	1868	rBV	300526	339157	2.77%	0.291%
82	13.098	1868	1872	1877	rVB	244035	347355	2.84%	0.298%
83	13.163	1877	1883	1886	rBV2	361144	699945	5.72%	0.601%
84	13.246	1894	1897	1898	rBV	291301	289499	2.37%	0.248%
85	13.269	1899	1901	1905	rVB	522382	568575	4.65%	0.488%
86	13.340	1909	1913	1916	rBV	285433	315427	2.58%	0.271%
87	13.375	1916	1919	1922	rBV	407108	545143	4.46%	0.468%
88	13.475	1932	1936	1938	rBV	202501	247174	2.02%	0.212%
89	13.510	1938	1942	1948	rVB4	168136	254143	2.08%	0.218%
90	13.687	1966	1972	1974	rBV5	169908	317952	2.60%	0.273%
91	13.798	1987	1991	1996	rBV2	1017048	1471576	12.03%	1.263%
92	13.910	2006	2010	2013	rBV	854214	1323571	10.82%	1.136%
93	14.022	2025	2029	2036	rVB2	1244717	2143447	17.53%	1.839%
94	14.175	2046	2055	2057	rBV3	3319094	6529433	53.40%	5.602%
95	14.204	2057	2060	2069	rVB	3270832	5507345	45.04%	4.725%
96	14.475	2102	2106	2110	rBV	1271863	1552761	12.70%	1.332%
97	14.522	2110	2114	2119	rBV2	1282743	1672350	13.68%	1.435%
98	14.916	2177	2181	2190	rBV5	725246	1396823	11.42%	1.198%
99	15.228	2230	2234	2239	rBV2	1190819	2057571	16.83%	1.765%
100	15.298	2240	2246	2258	rVV3	1741178	6078053	49.71%	5.215%

Sum of corrected areas: 116559220

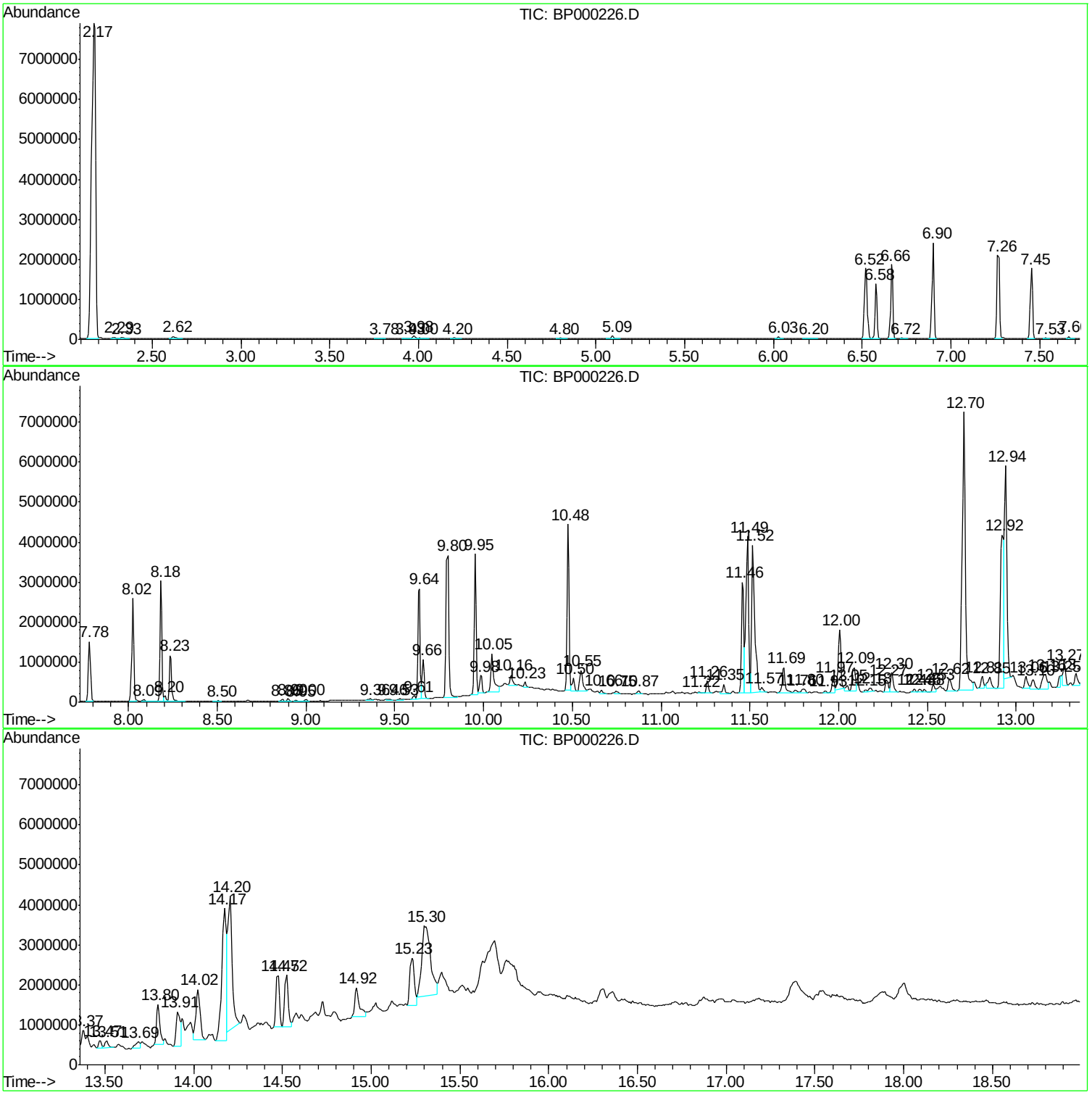
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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 : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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

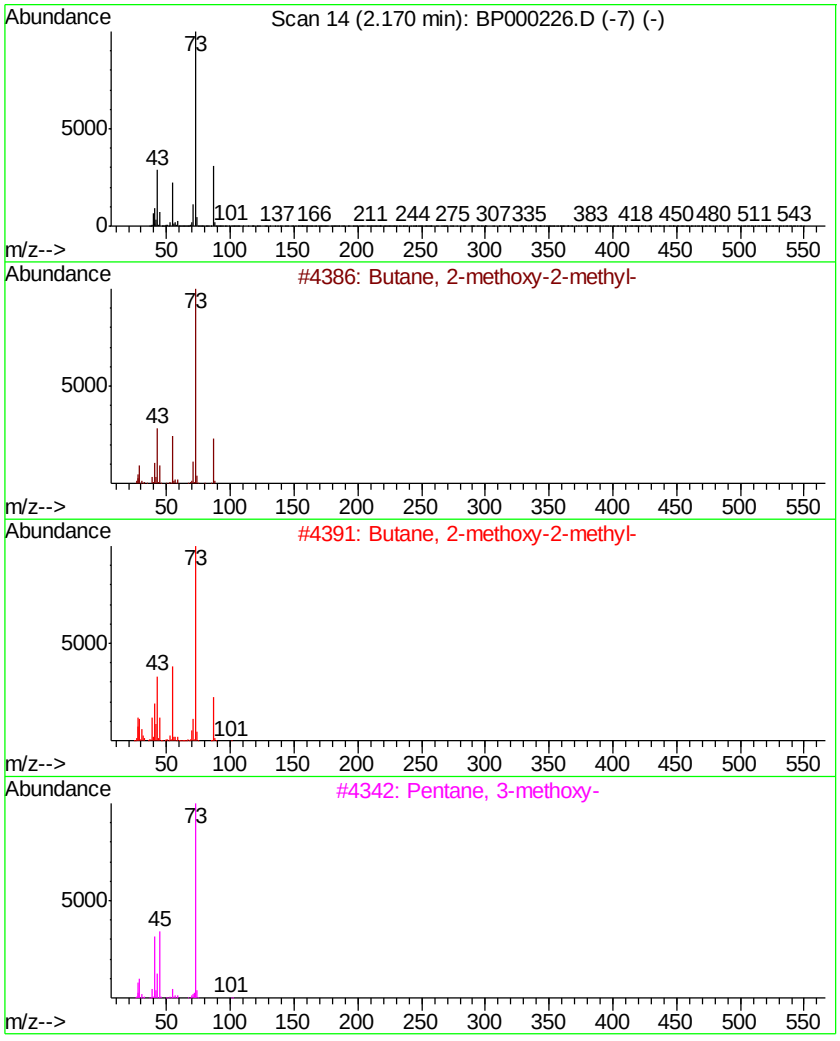
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

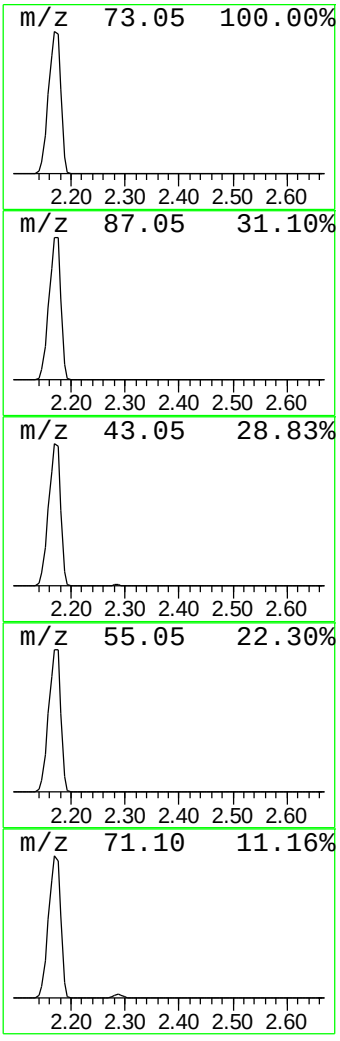
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	131.88 ng/ul	12228100	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,4-Butanediamine	88	C4H12N2	000110-60-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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

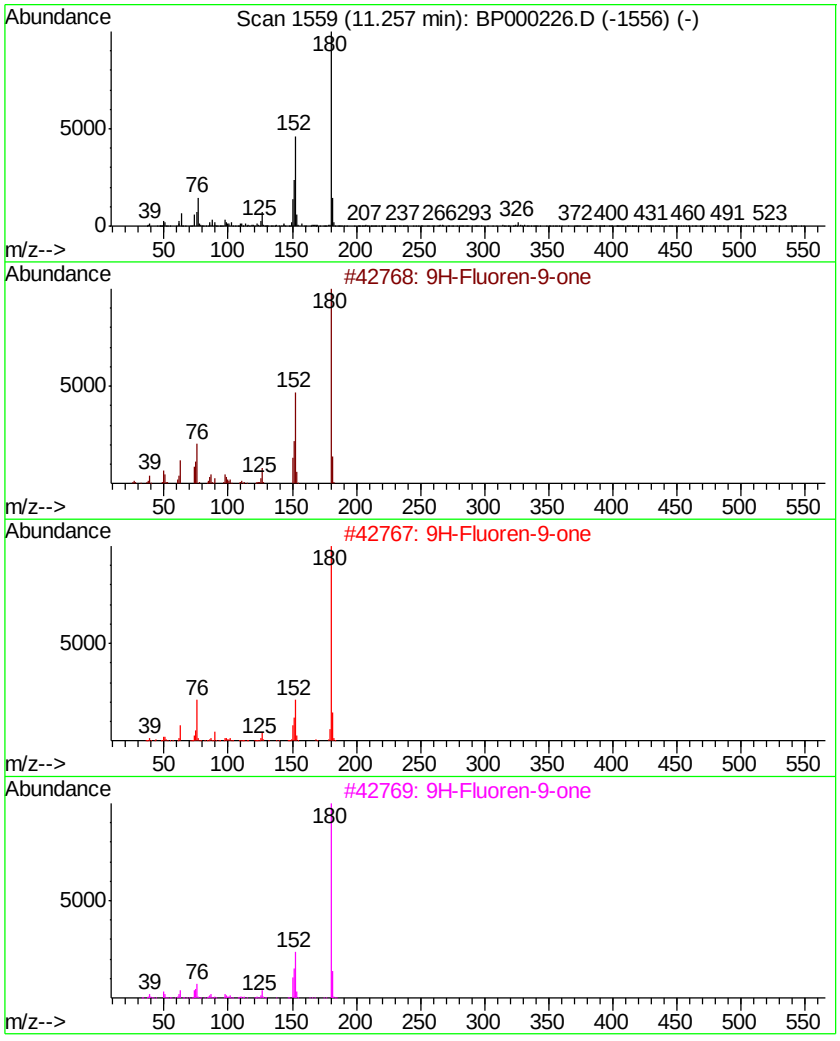
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

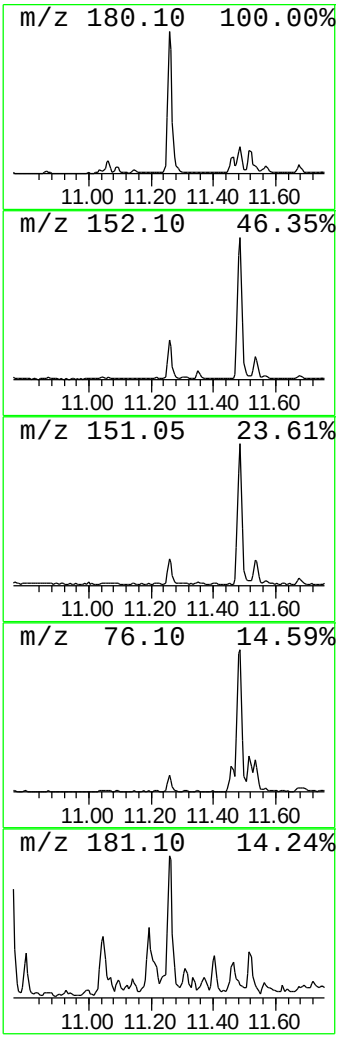
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.14 ng/ul	297561	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
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Operator : HP/JU
Sample : K4633-21
Misc :
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Instrument : BNA_P
ClientSampleId : F2D20

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

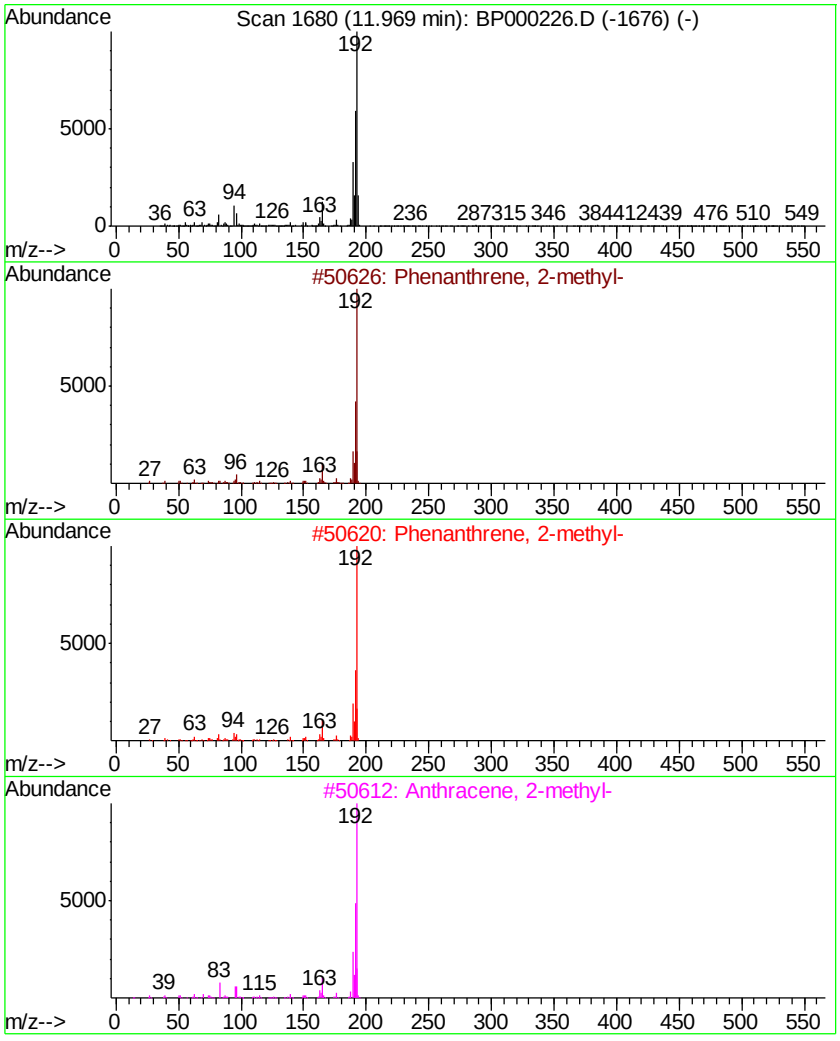
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

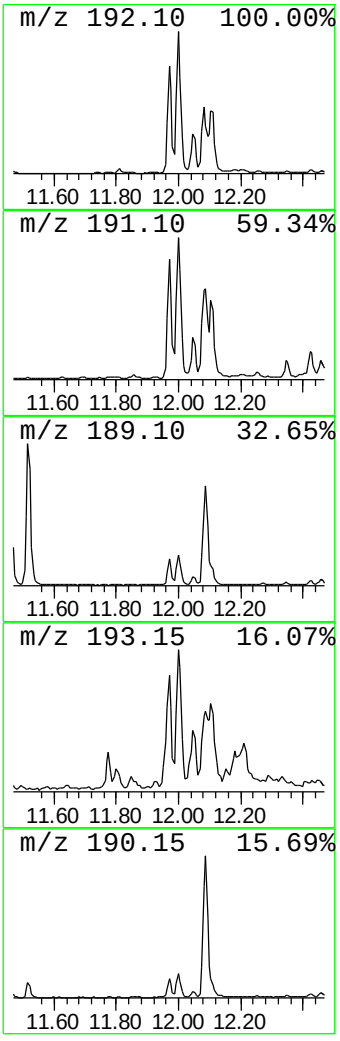
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.80 ng/ul	389137	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	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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

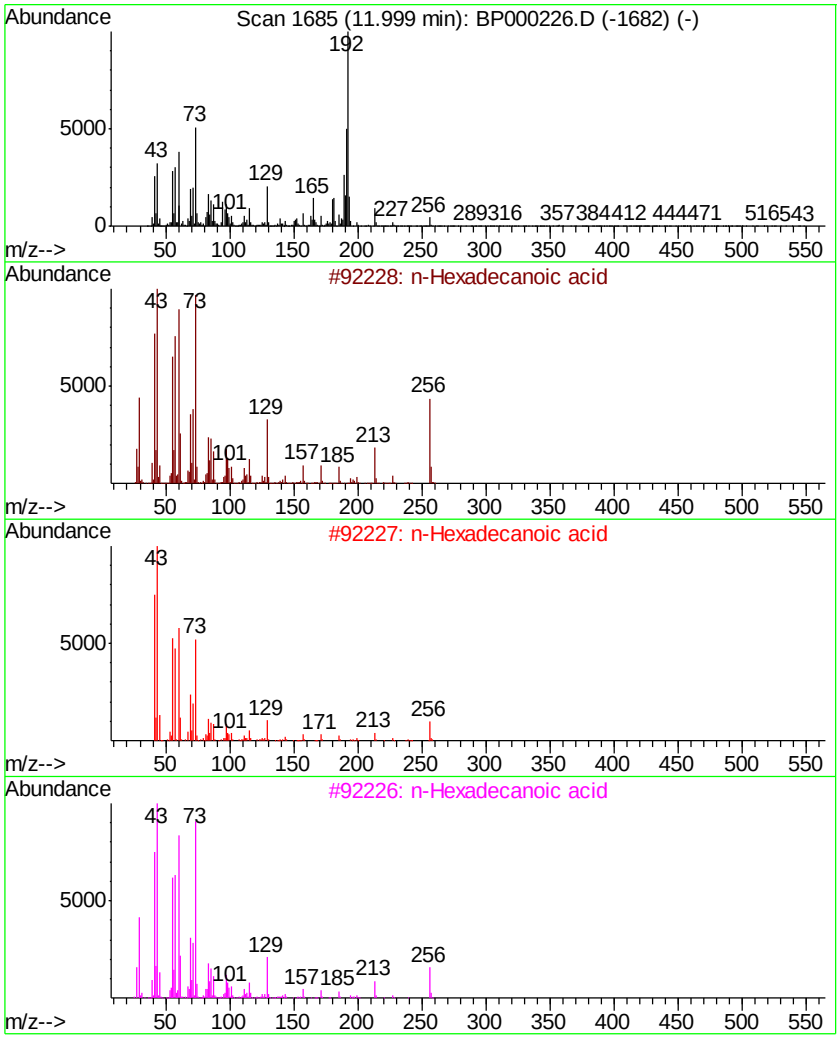
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

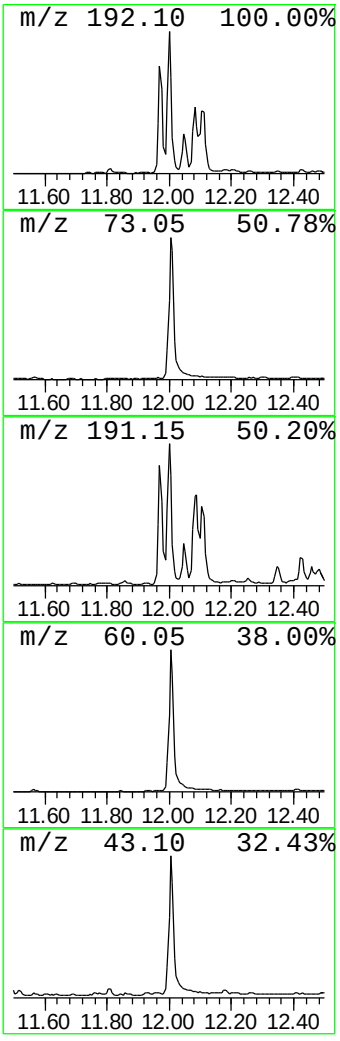
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.96 ng/ul	1659770	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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

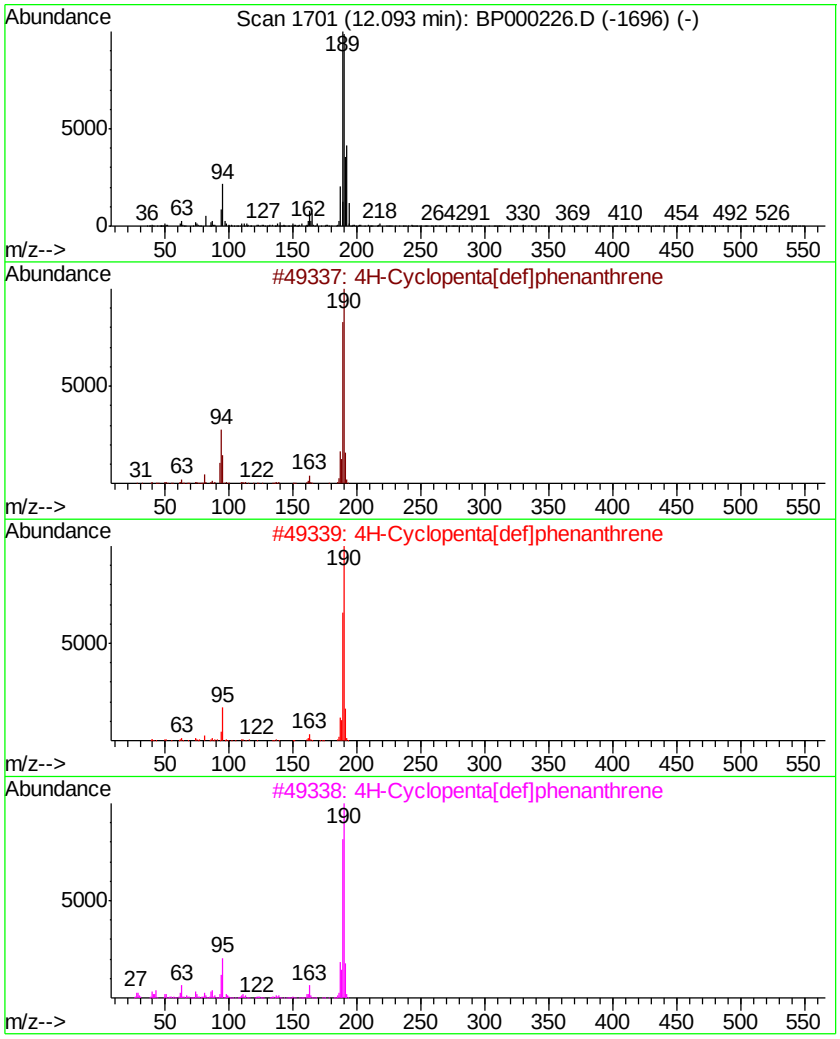
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

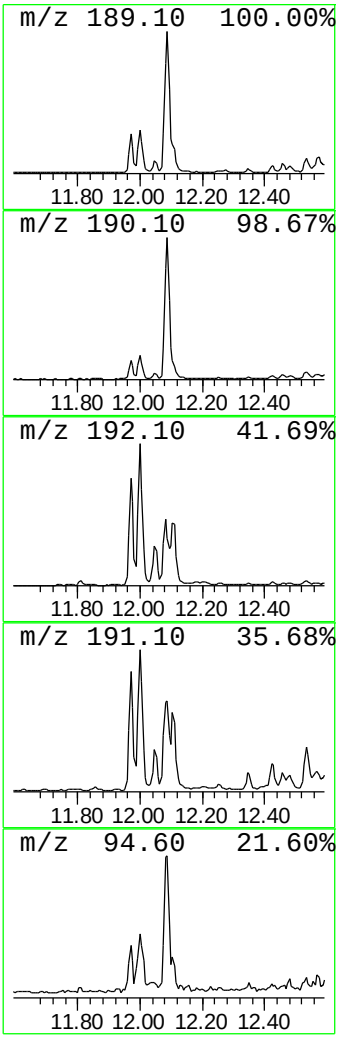
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.79 ng/ul	663979	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	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Operator : HP/JU
Sample : K4633-21
Misc :
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Instrument : BNA_P
ClientSampleId : F2D20

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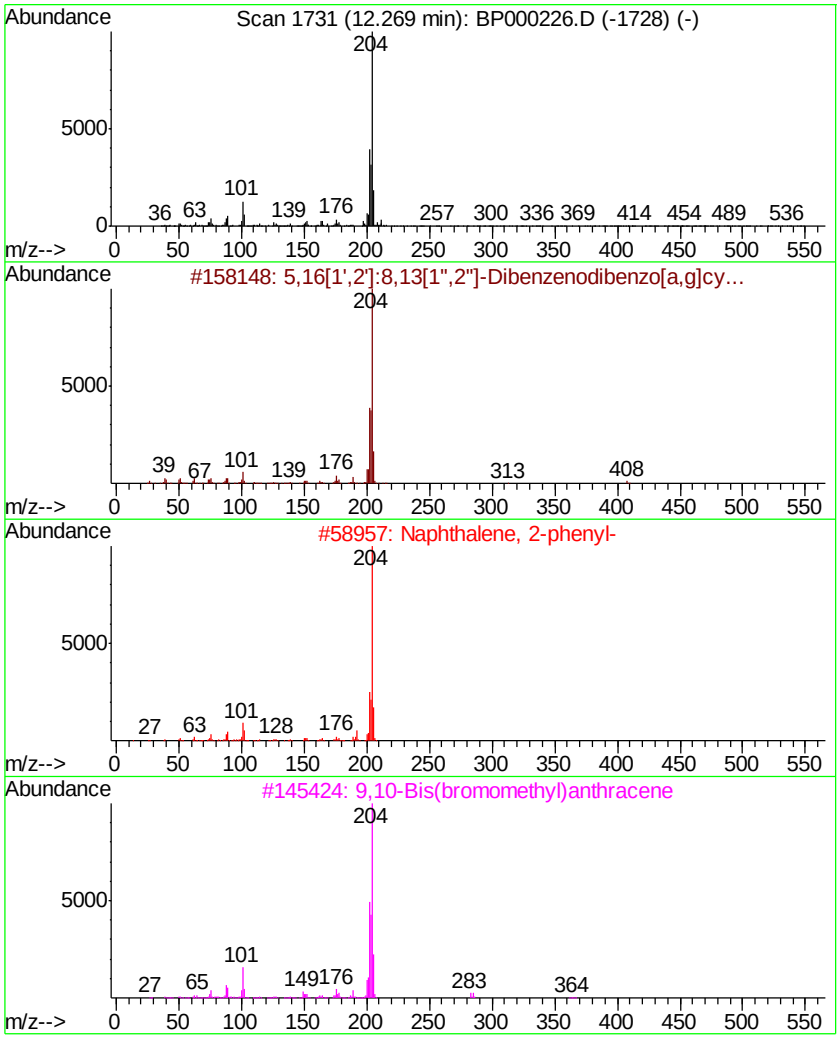
Quant Title : SVOA CALIBRATION

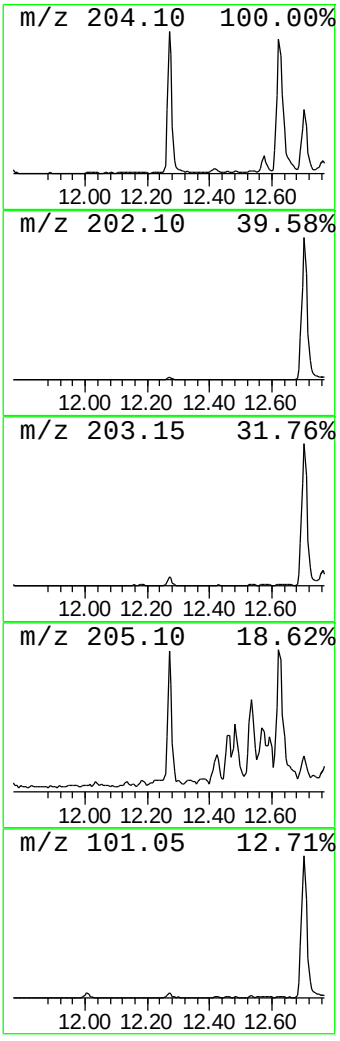
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.30 ng/ul	319290	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83





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Sample : K4633-21
Misc :
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ClientSampleId : F2D20

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Quant Title : SVOA CALIBRATION

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

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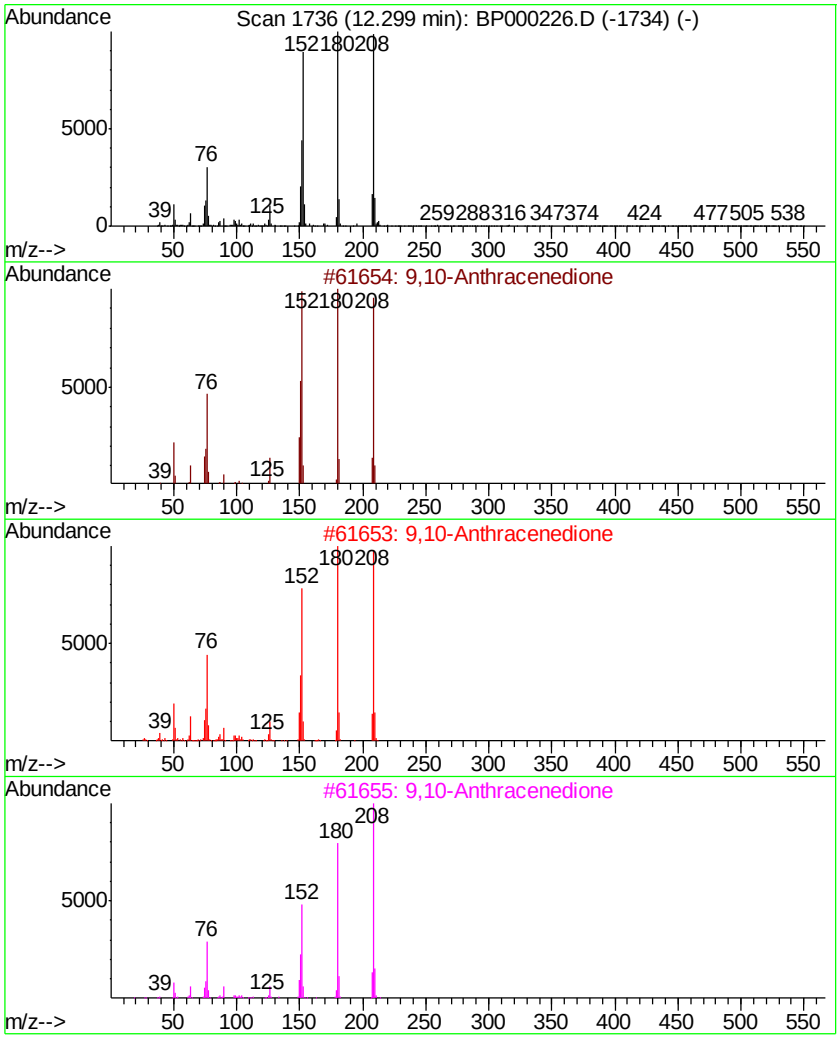
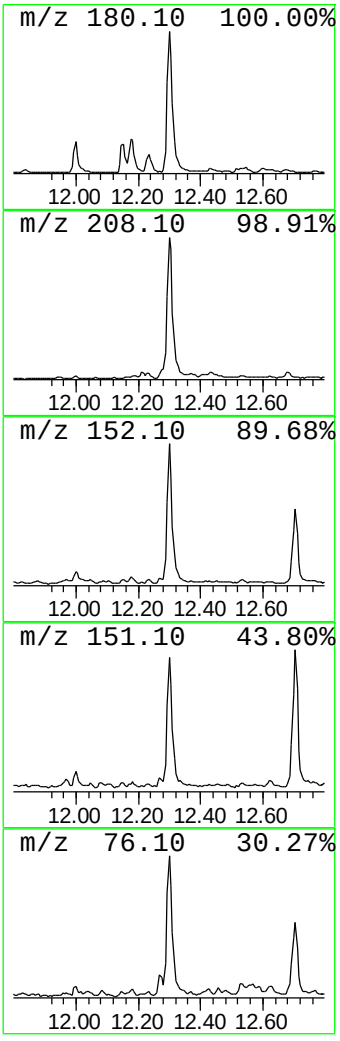
Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.92 ng/ul	543139	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Instrument : BNA_P
ClientSampleId : F2D20

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Quant Title : SVOA CALIBRATION

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

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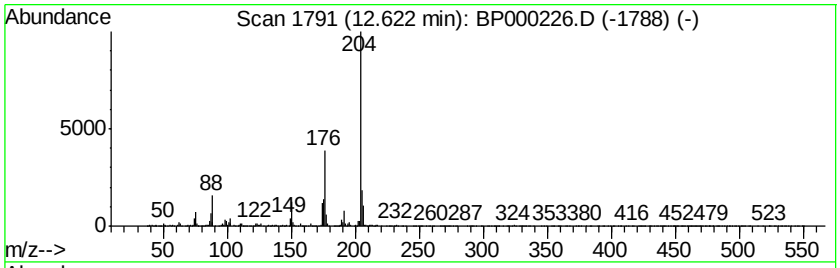
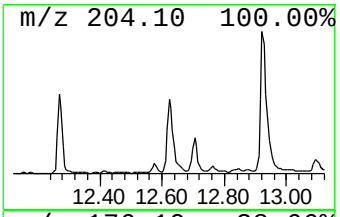
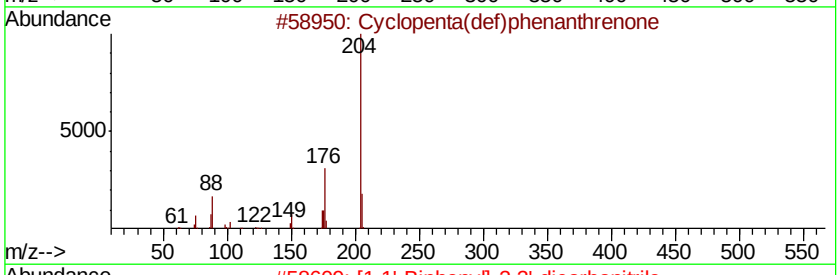
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 12

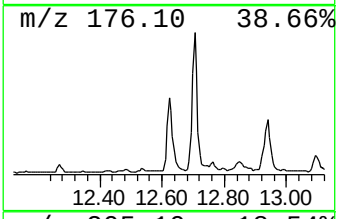
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.20 ng/ul	444418	Phenanthrene-d10	11.46

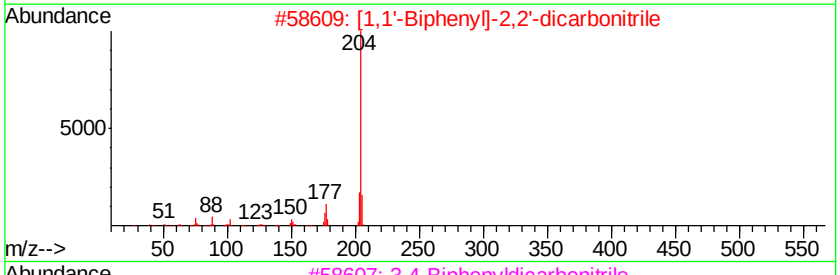
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	40

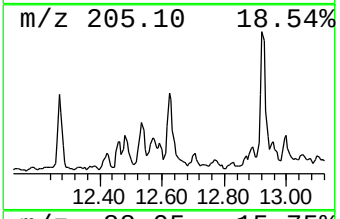


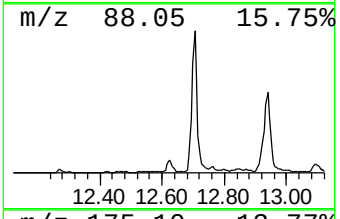


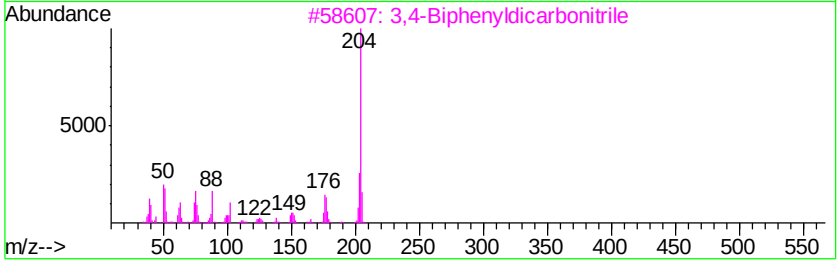


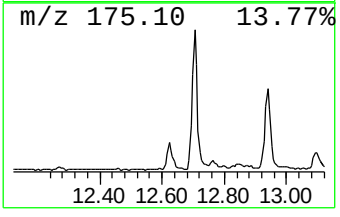












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Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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Quant Title : SVOA CALIBRATION

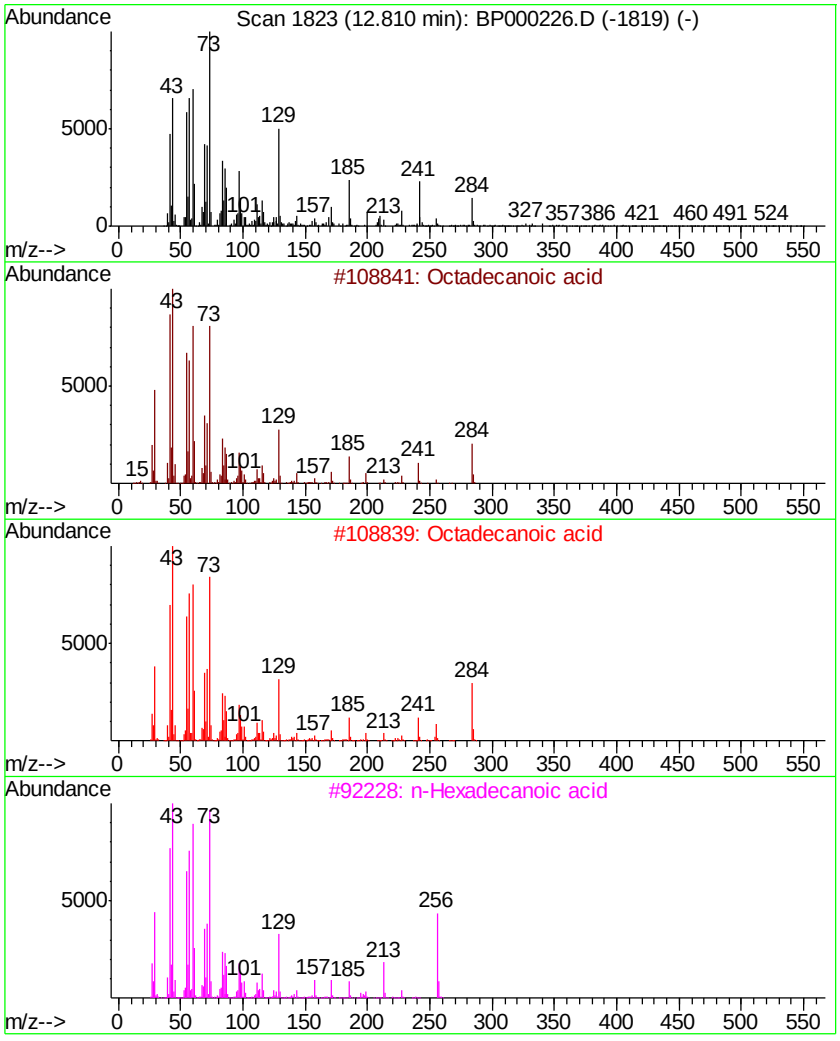
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

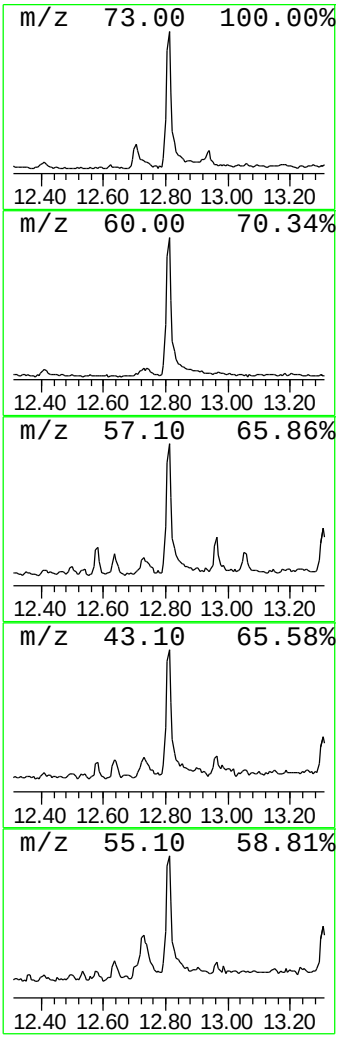
****

Peak Number 9 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	2.43 ng/ul	336738	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Octadecanoic acid	284	C18H36O2	000057-11-4	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	92
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





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Sample : K4633-21
Misc :
ALS Vial : 19 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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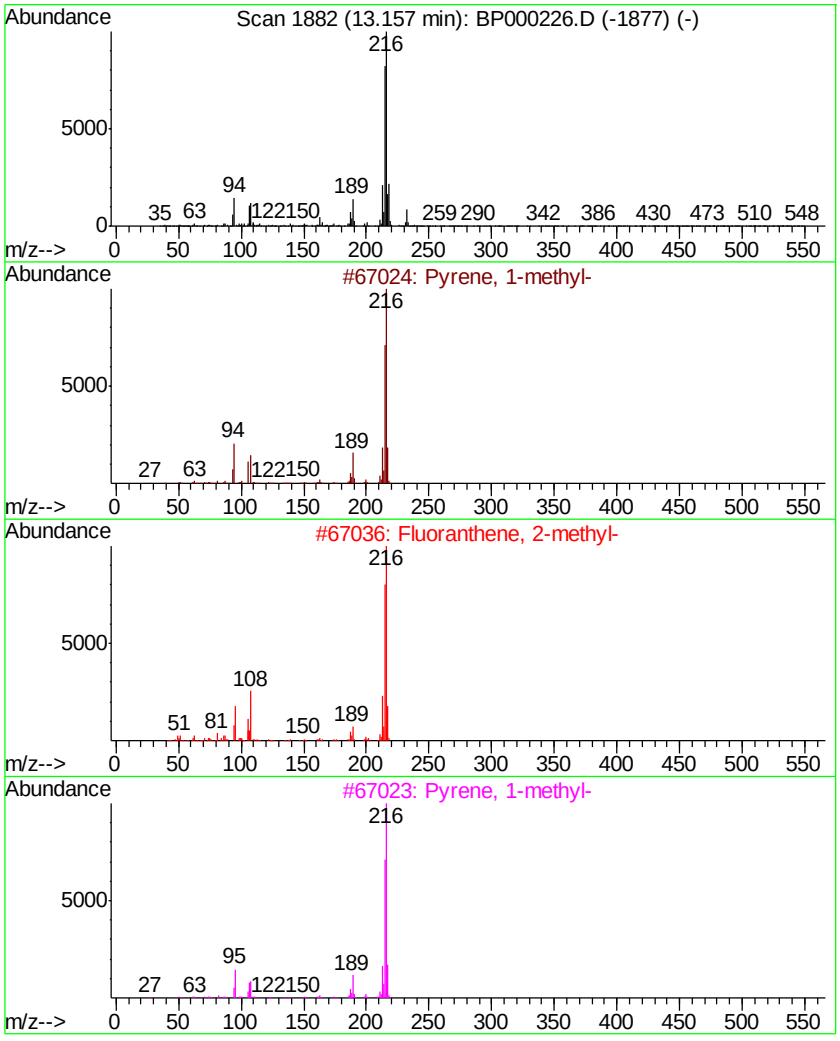
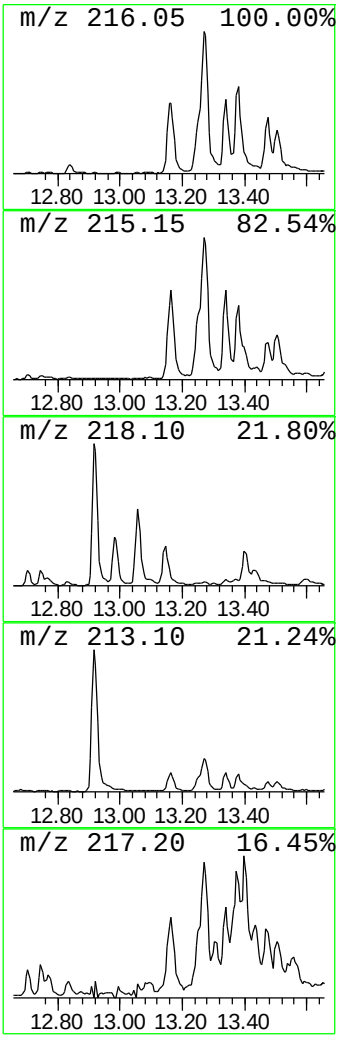
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.14 ng/ul	699945	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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Quant Title : SVOA CALIBRATION

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

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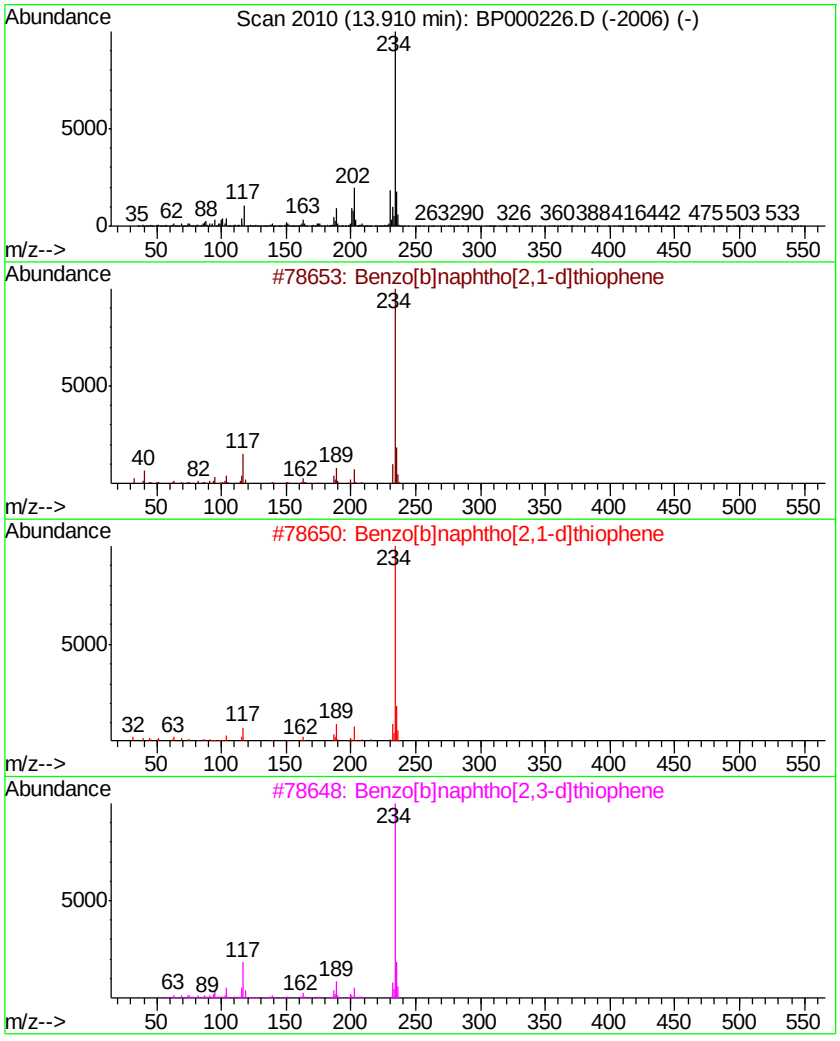
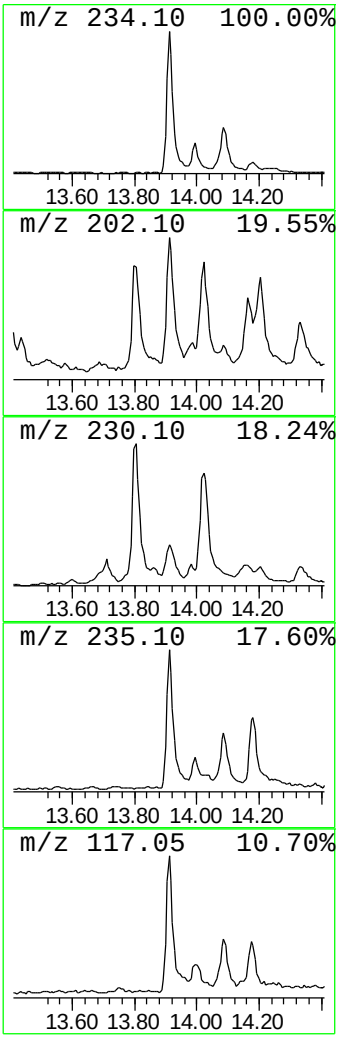
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	4.05 ng/ul	1323570	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	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76





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Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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Quant Title : SVOA CALIBRATION

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

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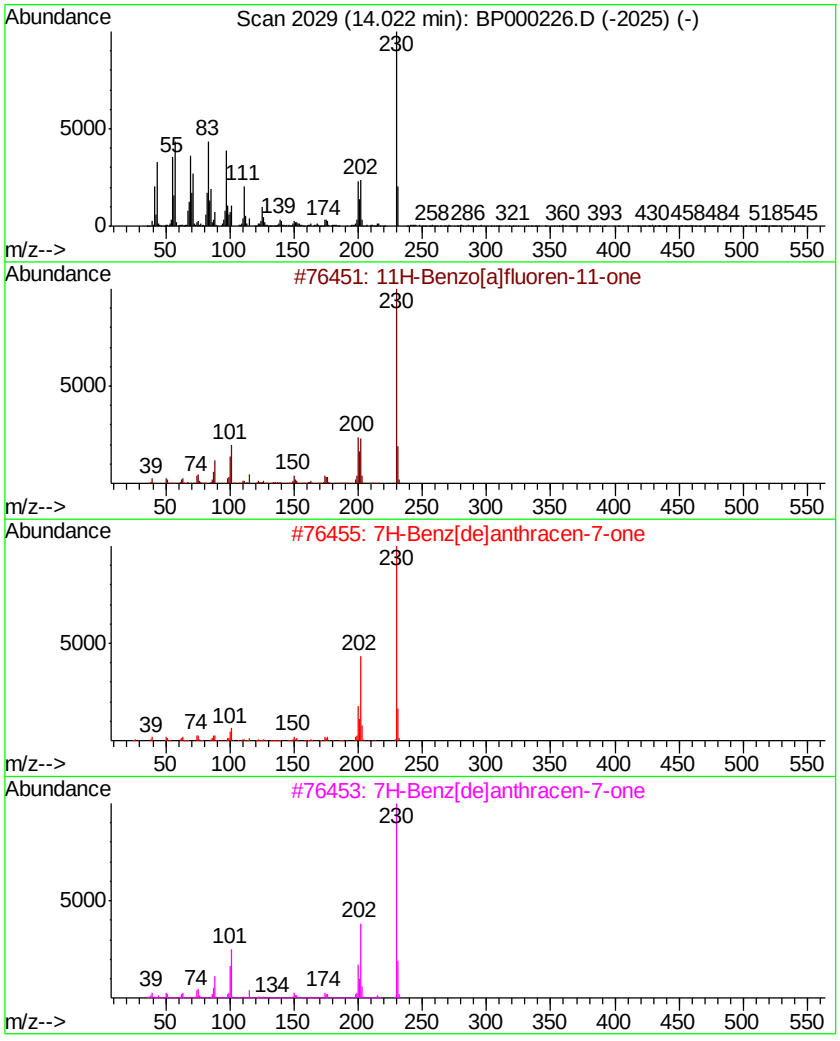
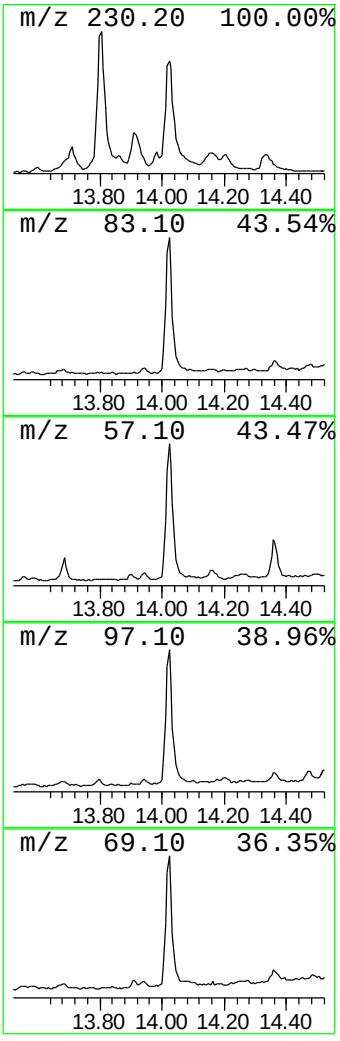
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	6.57 ng/ul	2143450	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	84
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	32





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Misc :
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ClientSampleId : F2D20

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Quant Title : SVOA CALIBRATION

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

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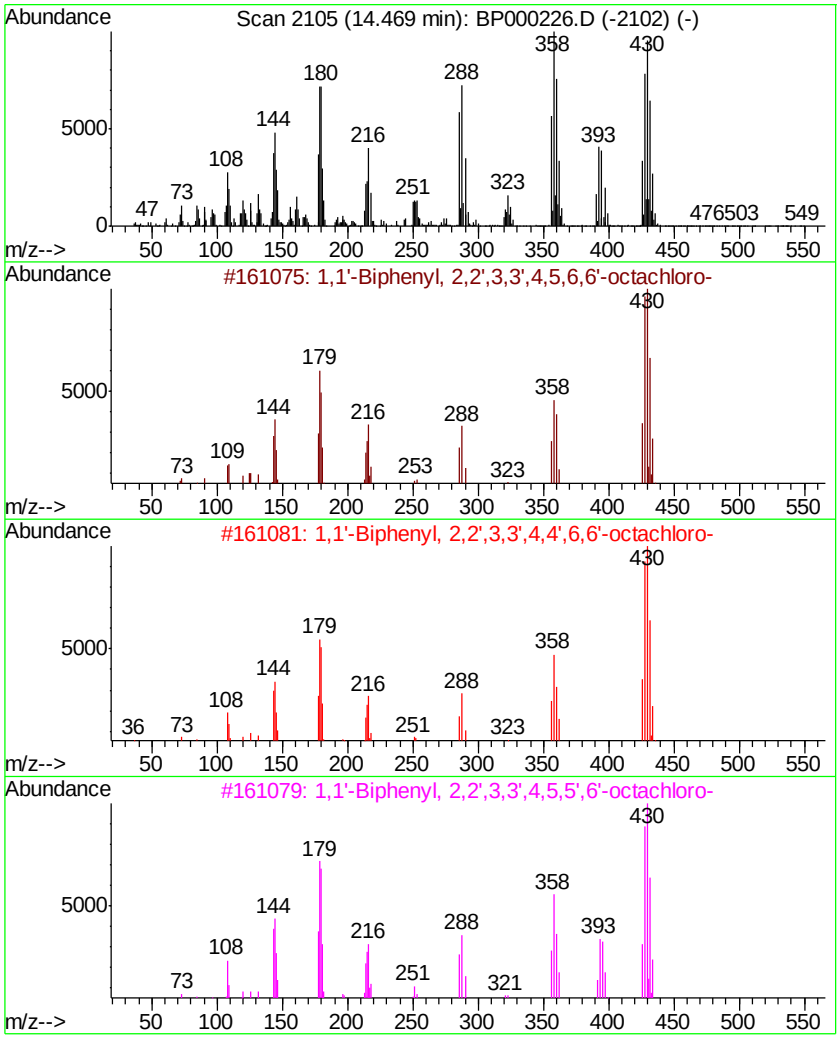
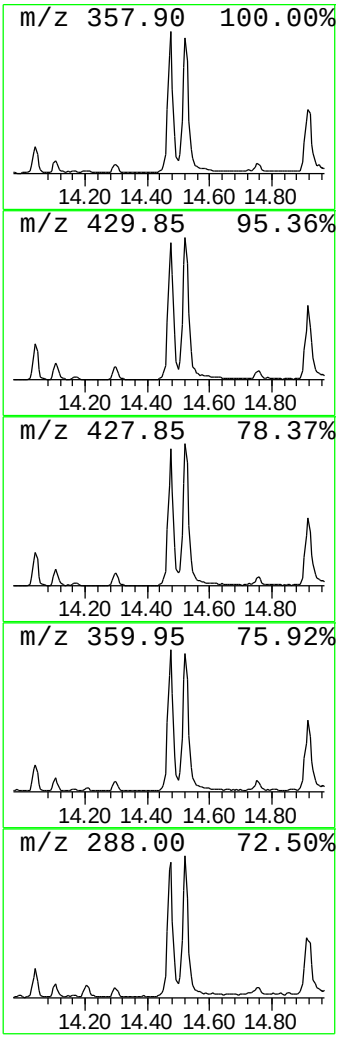
Peak Number 14 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	4.76 ng/ul	1552760	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
3	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	052663-75-9	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99





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Quant Title : SVOA CALIBRATION

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

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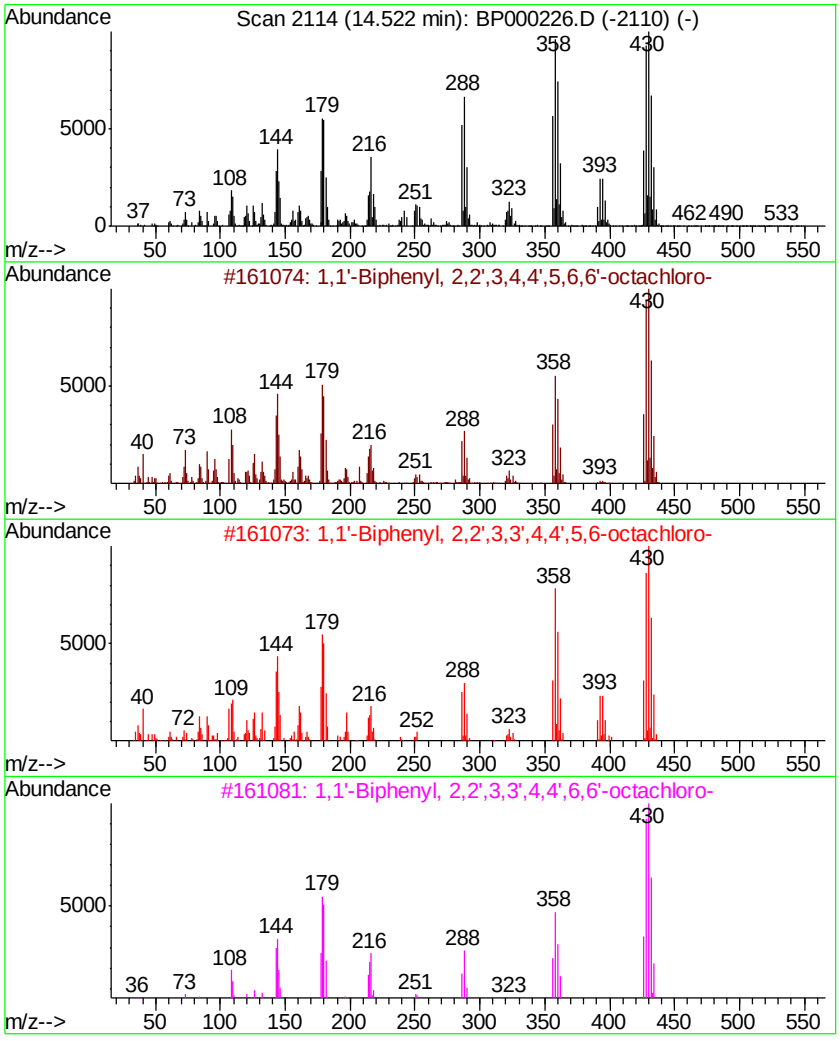
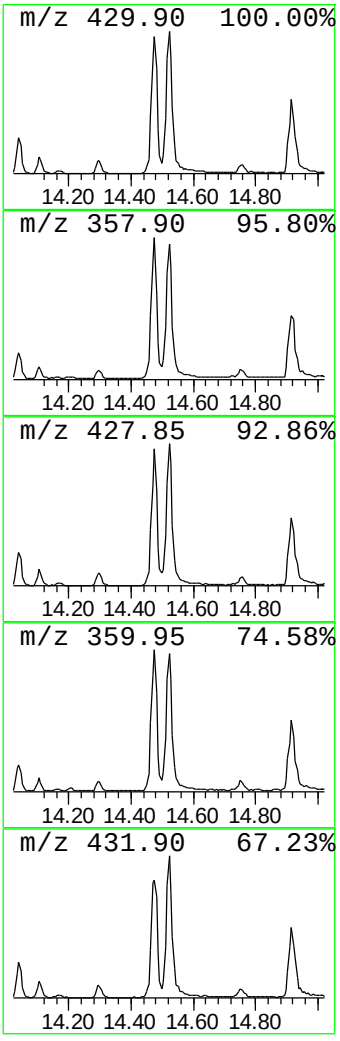
Peak Number 15 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	5.12 ng/ul	1672350	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6,6'...	426	C12H2Cl8	074472-52-9	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
4	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	052663-75-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,5',6,...	426	C12H2Cl8	040186-71-8	99





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Quant Title : SVOA CALIBRATION

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

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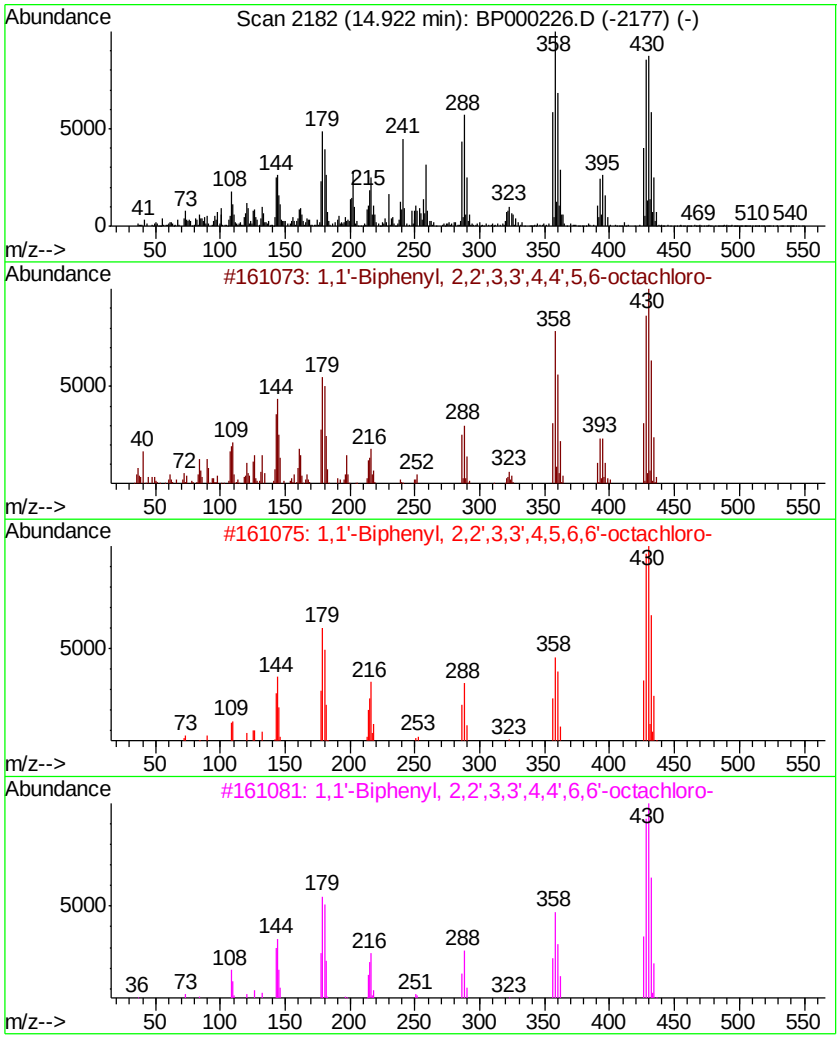
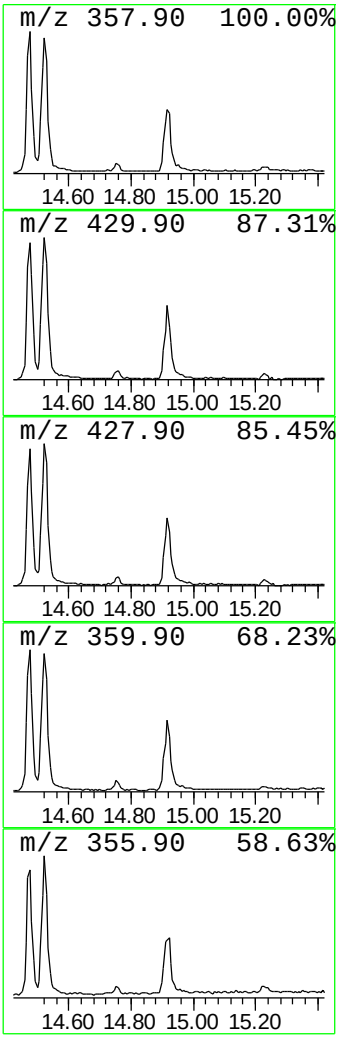
Peak Number 16 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	4.28 ng/ul	1396820	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99
2	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,5',6,...	426	C12H2Cl8	040186-71-8	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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

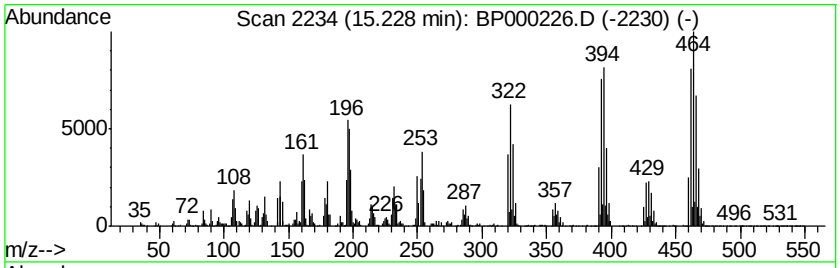
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

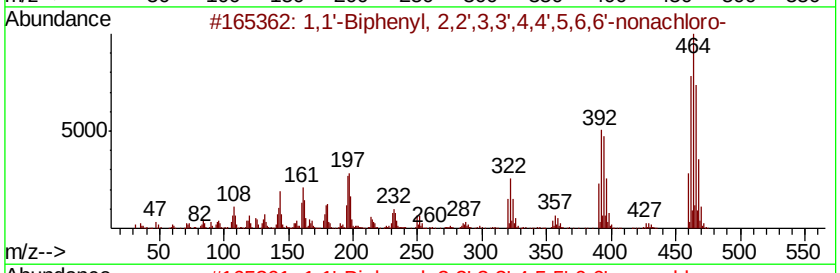
****

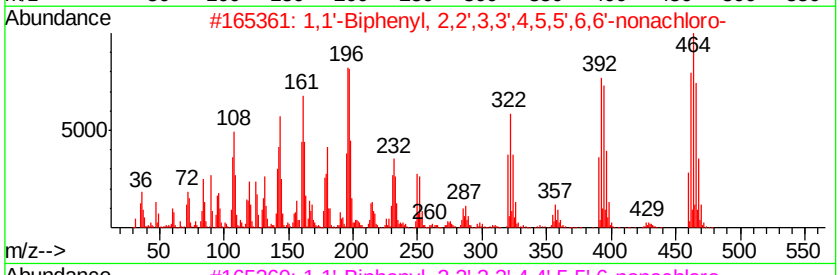
Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 3

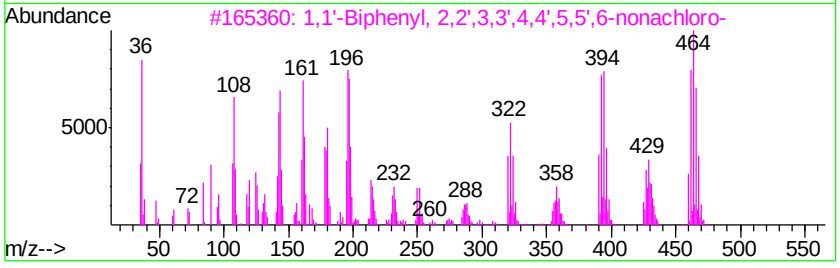
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	6.77 ng/ul	2057570	Perylene-d12	15.76

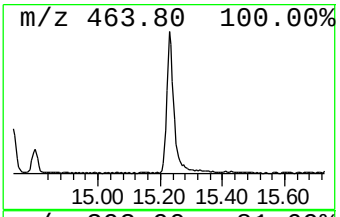
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	460	C12HCl9	052663-79-3	99
2	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	460	C12HCl9	052663-77-1	93
3	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	460	C12HCl9	040186-72-9	91
4	Benzene, 1,2,4,5-tetrabromo-	390	C6H2Br4	000636-28-2	18
5	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	15

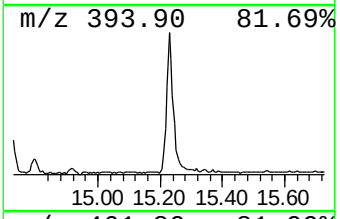


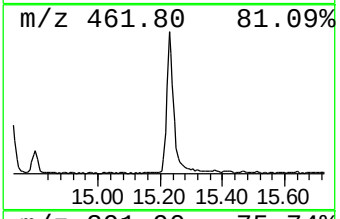


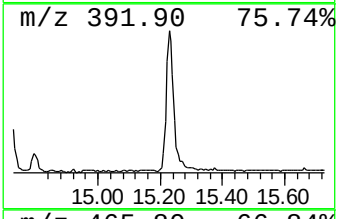


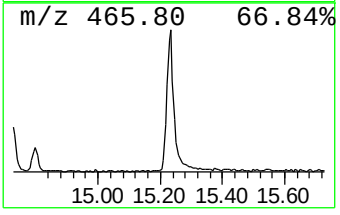












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000226.D
Acq On : 12 Sep 2019 20:09
Operator : HP/JU
Sample : K4633-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D20

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...	2.17	131.9	ng/ul	12228100	1	6.90	1854470	20.0
9H-Fluoren-9-one	11.26	2.1	ng/ul	297561	4	11.46	2774620	20.0
Phenanthrene, 2-m...	11.97	2.8	ng/ul	389137	4	11.46	2774620	20.0
n-Hexadecanoic acid	12.00	12.0	ng/ul	1659770	4	11.46	2774620	20.0
4H-Cyclopenta[def...	12.09	4.8	ng/ul	663979	4	11.46	2774620	20.0
5,16[1',2']:8,13[...	12.27	2.3	ng/ul	319290	4	11.46	2774620	20.0
9,10-Anthracenedione	12.30	3.9	ng/ul	543139	4	11.46	2774620	20.0
Cyclopenta(def)ph...	12.62	3.2	ng/ul	444418	4	11.46	2774620	20.0
Octadecanoic acid	12.81	2.4	ng/ul	336738	4	11.46	2774620	20.0
Pyrene, 1-methyl-	13.16	2.1	ng/ul	699945	5	14.17	6529430	20.0
Benzo[b]naphtho[2...	13.91	4.0	ng/ul	1323570	5	14.17	6529430	20.0
11H-Benzo[a]fluor...	14.02	6.6	ng/ul	2143450	5	14.17	6529430	20.0
1,1'-Biphenyl, 2,...	14.47	4.8	ng/ul	1552760	5	14.17	6529430	20.0
1,1'-Biphenyl, 2,...	14.52	5.1	ng/ul	1672350	5	14.17	6529430	20.0
1,1'-Biphenyl, 2,...	14.92	4.3	ng/ul	1396820	5	14.17	6529430	20.0
1,1'-Biphenyl, 2,...	15.23	6.8	ng/ul	2057570	6	15.76	6078050	20.0