LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000180.D
Acq On : 10 Sep 2019 21:26
Operator : HP/JU
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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	2.181	7	16	20	rBV	12466886	22412288	100.00%	12.350%
2	3.770	281	286	295	rVB	224673	306023	1.37%	0.169%
3	3.970	316	320	324	rVV	160182	217496	0.97%	0.120%
4	6.505	748	751	758	rBV2	2016110	2099162	9.37%	1.157%
5	6.569	758	762	766	rBV	1660393	1457698	6.50%	0.803%
6	6.658	773	777	781	rBV	2343308	1894147	8.45%	1.044%
7	6.893	813	817	820	rVV	3530957	2719513	12.13%	1.499%
8	7.258	875	879	882	rVV	2697377	2064530	9.21%	1.138%
9	7.446	907	911	914	rVV	2166248	1636178	7.30%	0.902%
10	7.775	963	967	969	rBV	1518445	1329078	5.93%	0.732%
11	8.011	1004	1007	1011	rBV	2458935	2182522	9.74%	1.203%
12	8.175	1031	1035	1038	rBV	4632645	3734231	16.66%	2.058%
13	8.228	1041	1044	1055	rVB	1252320	1003604	4.48%	0.553%
14	9.628	1279	1282	1284	rVV	3506059	2835384	12.65%	1.562%
15	9.652	1284	1286	1289	rVB	1137816	786168	3.51%	0.433%
16	9.787	1305	1309	1315	rVV	4712247	3736461	16.67%	2.059%
17	9.946	1332	1336	1339	rVV	5290503	4304483	19.21%	2.372%
18	9.975	1339	1341	1344	rVV	1036978	816371	3.64%	0.450%
19	10.028	1347	1350	1357	rVV	977072	890636	3.97%	0.491%
20	10.146	1367	1370	1375	rVV	560769	469113	2.09%	0.259%
21	10.469	1421	1425	1427	rBV	4990961	4196220	18.72%	2.312%
22	10.499	1427	1430	1432	rVV	730665	668789	2.98%	0.369%
23	10.522	1432	1434	1439	rVV	830130	742606	3.31%	0.409%
24	10.863	1482	1492	1496	rBV4	153632	224209	1.00%	0.124%
25	11.052	1516	1524	1527	rBV4	131441	228170	1.02%	0.126%
26	11.246	1554	1557	1562	rVB	536639	461686	2.06%	0.254%
27	11.304	1562	1567	1570	rBV3	126523	212313	0.95%	0.117%
28	11.340	1570	1573	1580	rVB	483361	413754	1.85%	0.228%
29	11.446	1587	1591	1593	rBV	4512926	4243831	18.94%	2.339%
30	11.475	1593	1596	1598	rVV	7333671	6220303	27.75%	3.428%
31	11.504	1598	1601	1603	rVV	5111528	4301685	19.19%	2.370%
32	11.522	1603	1604	1607	rVV	1974776	1219291	5.44%	0.672%
33	11.675	1624	1630	1633	rBV	1560427	1428744	6.37%	0.787%
34	11.957	1674	1678	1680	rVV	787554	688134	3.07%	0.379%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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	11.987	1680	1683	1688	rVV2	1516925	2181572	9.73%	1.202%
36	12.034	1688	1691	1693	rVV2	317095	360806	1.61%	0.199%
37	12.069	1693	1697	1700	rVV	1109823	1238593	5.53%	0.683%
38	12.093	1700	1701	1704	rVV	450290	275494	1.23%	0.152%
39	12.157	1710	1712	1717	rVV2	172286	243200	1.09%	0.134%
40	12.257	1726	1729	1731	rVV	551304	566713	2.53%	0.312%
41	12.275	1731	1732	1737	rVB	786021	635493	2.84%	0.350%
42	12.410	1750	1755	1758	rBV	230219	249092	1.11%	0.137%
43	12.516	1770	1773	1777	rBV2	469499	634641	2.83%	0.350%
44	12.557	1777	1780	1782	rVV2	166567	213257	0.95%	0.118%
45	12.604	1785	1788	1793	rVB2	404213	442110	1.97%	0.244%
46	12.687	1797	1802	1805	rVV	9333481	8684019	38.75%	4.785%
47	12.734	1805	1810	1815	rVB2	194745	295736	1.32%	0.163%
48	12.804	1818	1822	1825	rBV2	694494	897604	4.00%	0.495%
49	12.834	1825	1827	1832	rVB	334036	351511	1.57%	0.194%
50	12.899	1834	1838	1840	rVV2	5349905	6728829	30.02%	3.708%
51	12.916	1840	1841	1845	rVV	7100946	5185691	23.14%	2.858%
52	12.963	1846	1849	1855	rVB2	327719	441115	1.97%	0.243%
53	13.034	1858	1861	1864	rBV	375220	342110	1.53%	0.189%
54	13.069	1864	1867	1872	rVB	491709	531775	2.37%	0.293%
55	13.140	1873	1879	1882	rBV3	486376	834448	3.72%	0.460%
56	13.228	1887	1894	1895	rBV5	386875	515858	2.30%	0.284%
57	13.251	1895	1898	1901	rVB	895962	880765	3.93%	0.485%
58	13.316	1906	1909	1912	rBV	492044	480871	2.15%	0.265%
59	13.357	1912	1916	1918	rVV2	945008	921350	4.11%	0.508%
60	13.381	1918	1920	1923	rVB	349945	334771	1.49%	0.184%
61	13.451	1928	1932	1935	rBV	443690	452781	2.02%	0.250%
62	13.481	1935	1937	1941	rBV	415485	401958	1.79%	0.222%
63	13.557	1947	1950	1960	rBV6	116648	268729	1.20%	0.148%
64	13.687	1966	1972	1975	rVB4	229255	492933	2.20%	0.272%
65	13.769	1982	1986	1991	rVB	989851	1105481	4.93%	0.609%
66	13.881	2000	2005	2008	rBV2	1386130	1694821	7.56%	0.934%
67	13.910	2008	2010	2012	rVV	628093	564119	2.52%	0.311%
68	13.934	2012	2014	2016	rVV	585948	705140	3.15%	0.389%
69	13.981	2019	2022	2025	rVV2	955088	1008451	4.50%	0.556%
70	14.016	2025	2028	2032	rVV2	481059	680330	3.04%	0.375%
71	14.057	2032	2035	2038	rVV	297774	331816	1.48%	0.183%

LSC Area Percent Report

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Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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

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Peak separation: 5

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

72	14.140	2041	2049	2052	rVV2	6088473	10082166	44.98%	5.556%
73	14.169	2052	2054	2062	rVV	4312208	4321243	19.28%	2.381%
74	14.251	2062	2068	2070	rVV2	498972	740287	3.30%	0.408%
75	14.287	2071	2074	2075	rVV	321695	351200	1.57%	0.194%
76	14.334	2079	2082	2084	rVV	529699	694610	3.10%	0.383%
77	14.369	2084	2088	2092	rVV3	674681	1140106	5.09%	0.628%
78	14.404	2092	2094	2097	rVB2	235495	218255	0.97%	0.120%
79	14.475	2102	2106	2108	rBV3	273050	336545	1.50%	0.185%
80	14.504	2108	2111	2113	rVV	247589	237287	1.06%	0.131%
81	14.540	2113	2117	2120	rVV	1043564	1166977	5.21%	0.643%
82	14.575	2120	2123	2126	rVB2	633087	620261	2.77%	0.342%
83	14.634	2131	2133	2135	rVV2	296340	285613	1.27%	0.157%
84	14.669	2135	2139	2147	rVB3	934192	1550717	6.92%	0.855%
85	14.857	2168	2171	2174	rBV2	302571	405425	1.81%	0.223%
86	14.893	2174	2177	2184	rVB6	250706	391059	1.74%	0.215%
87	15.004	2191	2196	2200	rVV2	635379	1057135	4.72%	0.583%
88	15.134	2215	2218	2221	rBV2	211741	275584	1.23%	0.152%
89	15.240	2229	2236	2238	rBV	3720632	6518307	29.08%	3.592%
90	15.345	2251	2254	2256	rBV	453725	547612	2.44%	0.302%
91	15.375	2256	2259	2266	rVB	698733	1162383	5.19%	0.641%
92	15.557	2284	2290	2293	rBV	2343869	3748909	16.73%	2.066%
93	15.592	2293	2296	2298	rVV	2357632	3065717	13.68%	1.689%
94	15.622	2298	2301	2307	rVB	2911774	3721405	16.60%	2.051%
95	15.687	2307	2312	2316	rBV	2361939	3625895	16.18%	1.998%
96	15.722	2316	2318	2325	rVV2	855193	1150533	5.13%	0.634%
97	15.798	2325	2331	2337	rVB3	736802	1514588	6.76%	0.835%
98	16.281	2407	2413	2423	rVB3	648246	1474587	6.58%	0.813%
99	17.257	2572	2579	2587	rVB2	1582449	3581274	15.98%	1.973%
100	17.728	2651	2659	2671	rVB	1308436	3165834	14.13%	1.745%

Sum of corrected areas: 181470318

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000180.D
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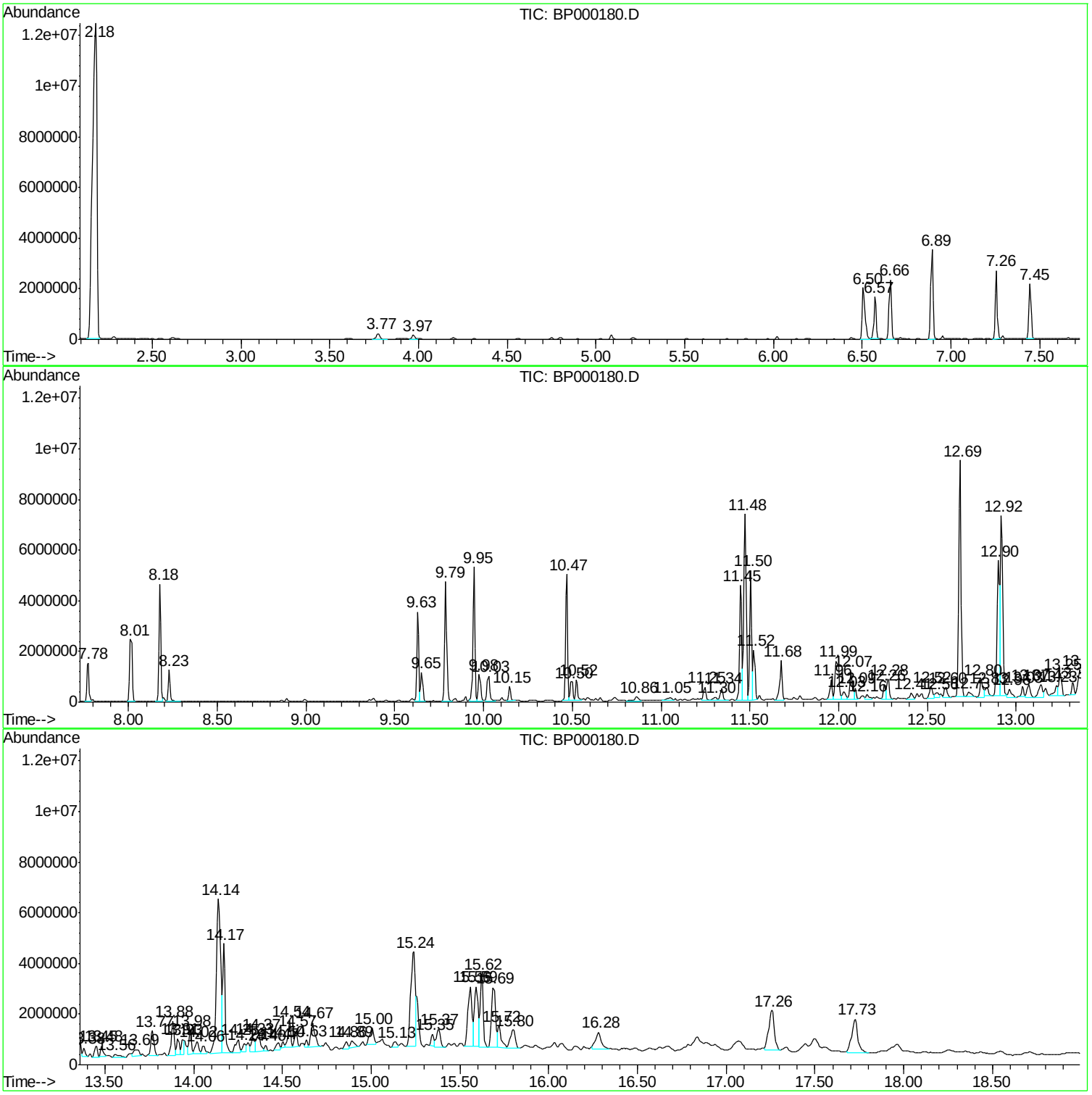
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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\BP091019\
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Instrument : BNA_P
ClientSampleId : F2D34

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Quant Title : SVOA CALIBRATION

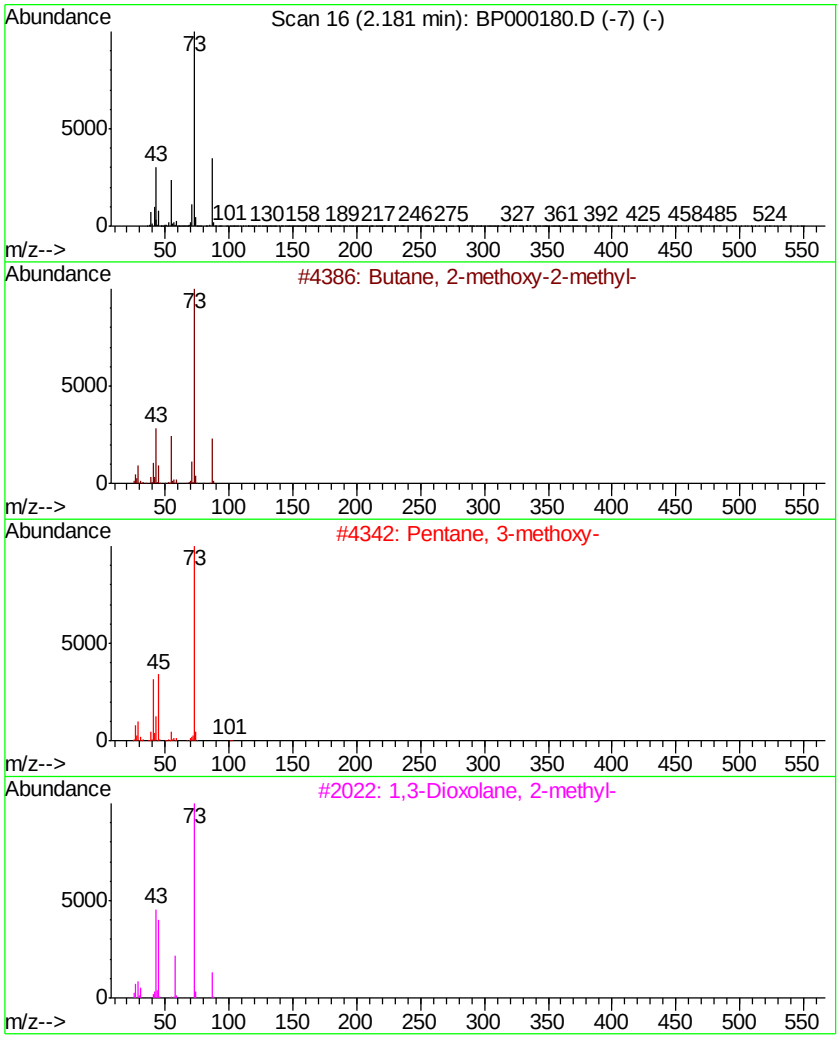
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

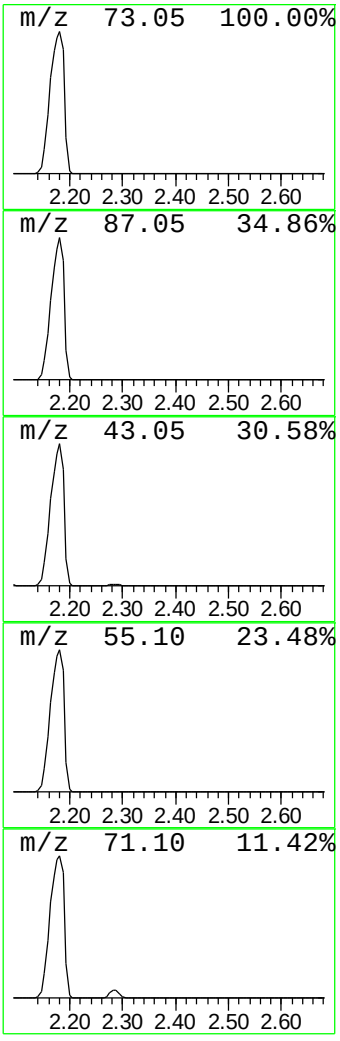
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	164.83 ng/ul	22412300	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	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	9





Library Search Compound Report

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Sample : K4634-16
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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

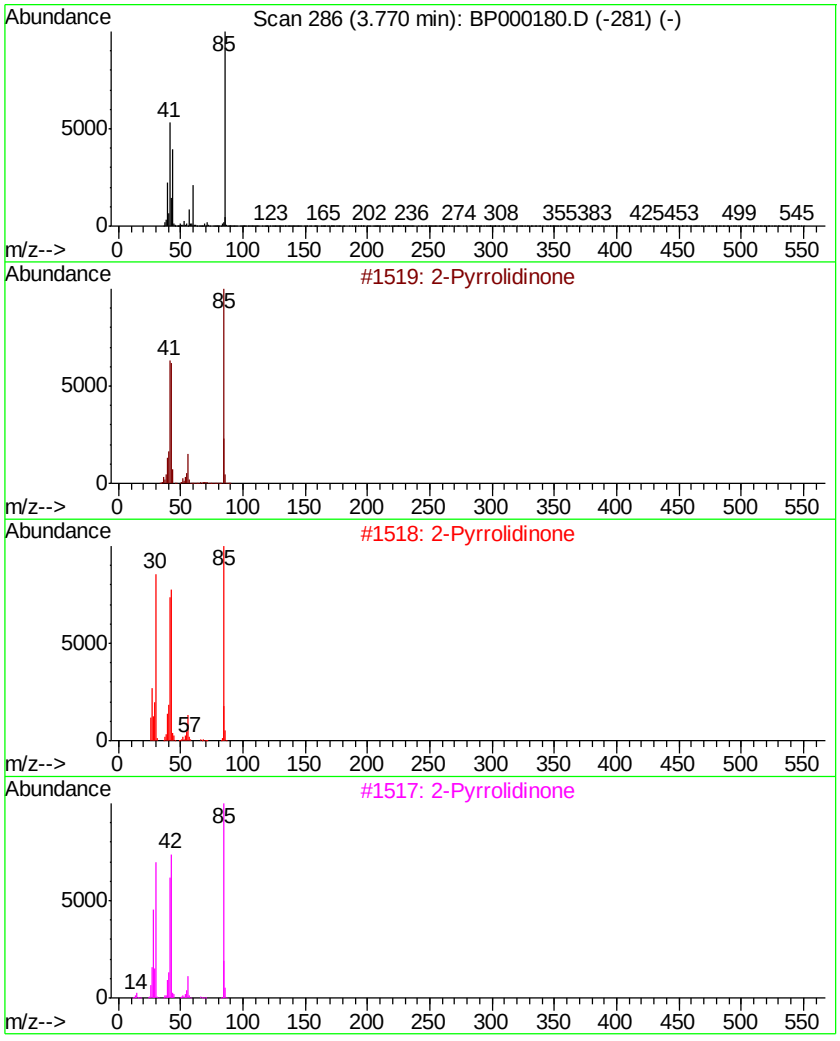
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

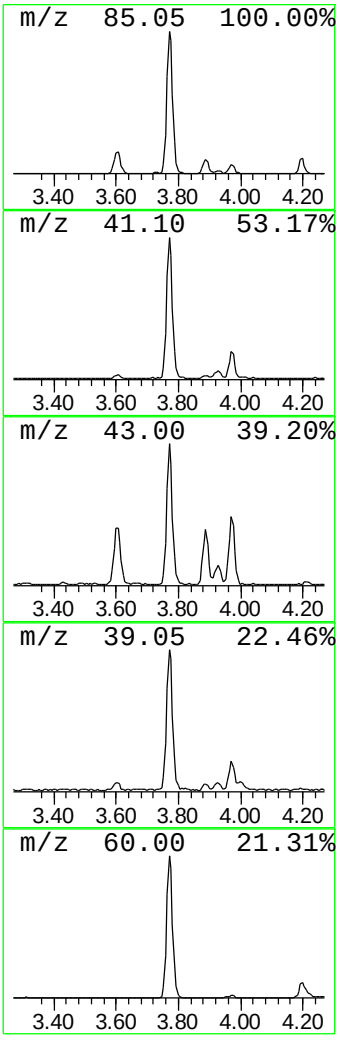
****

Peak Number 2 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	2.25 ng/ul	306023	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	42
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	9
5	2H-Pyran, tetrahydro-2-[2-(methy...	182	C11H18O2	107616-98-8	9





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

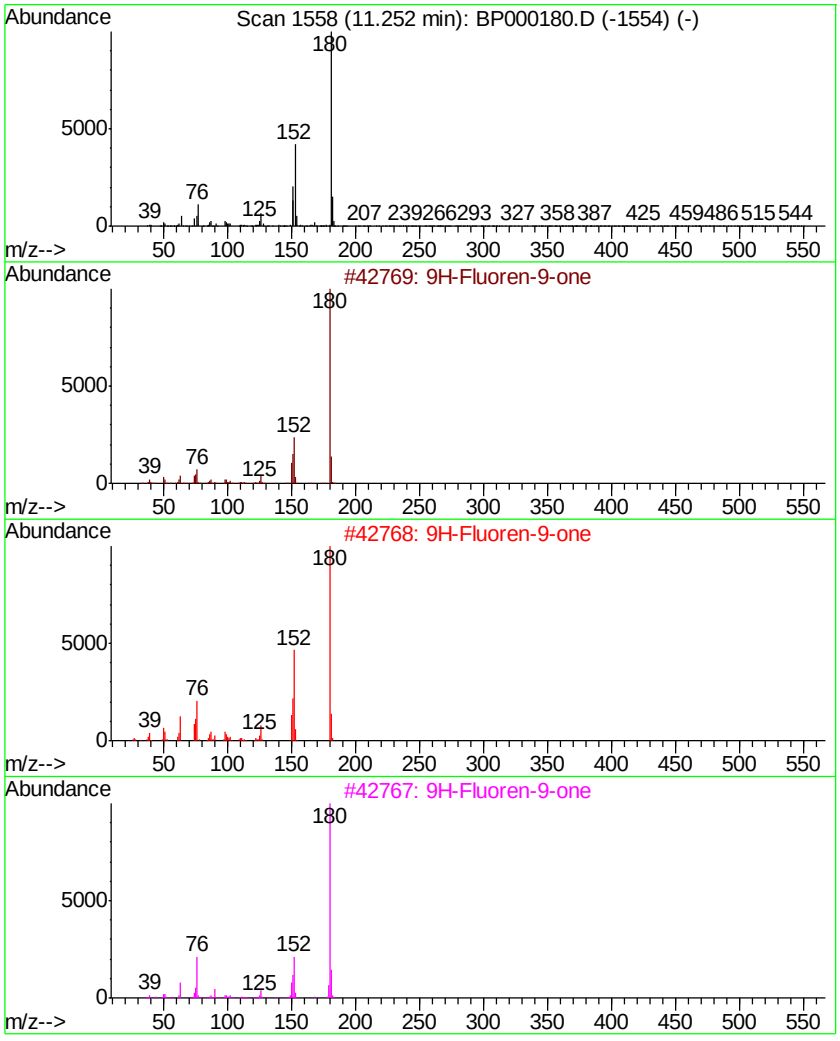
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

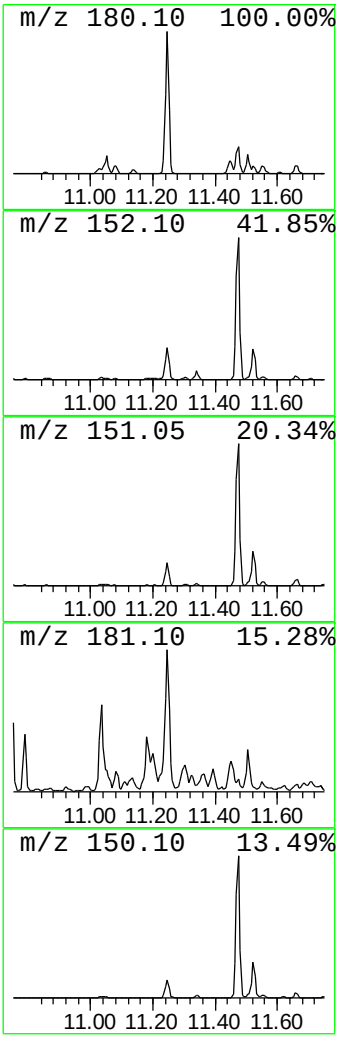
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.18 ng/ul	461686	Phenanthrene-d10	11.45

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	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.24 ng/ul	688134	Phenanthrene-d10	11.45

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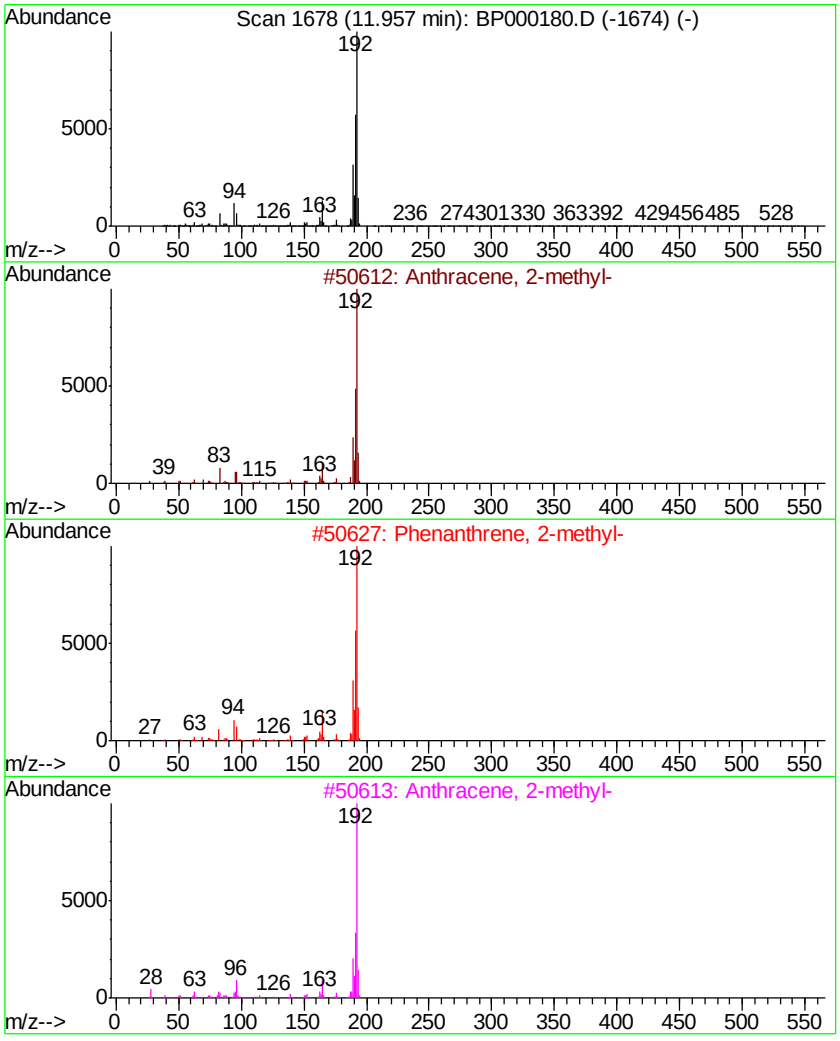
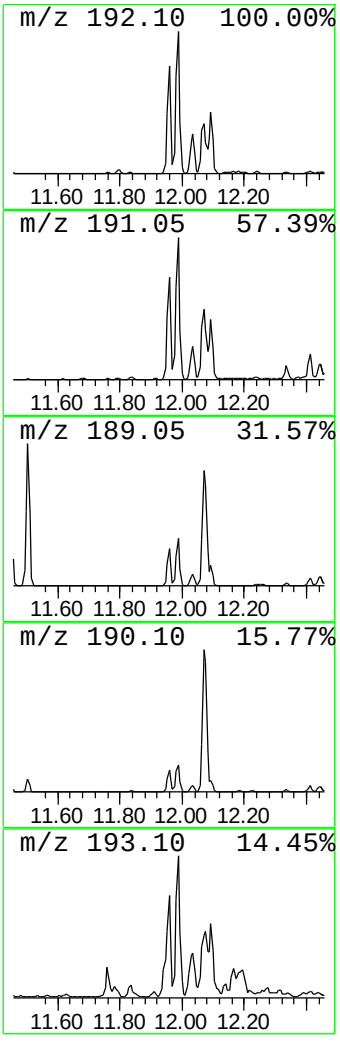




Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000180.D
Acq On : 10 Sep 2019 21:26
Operator : HP/JU
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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

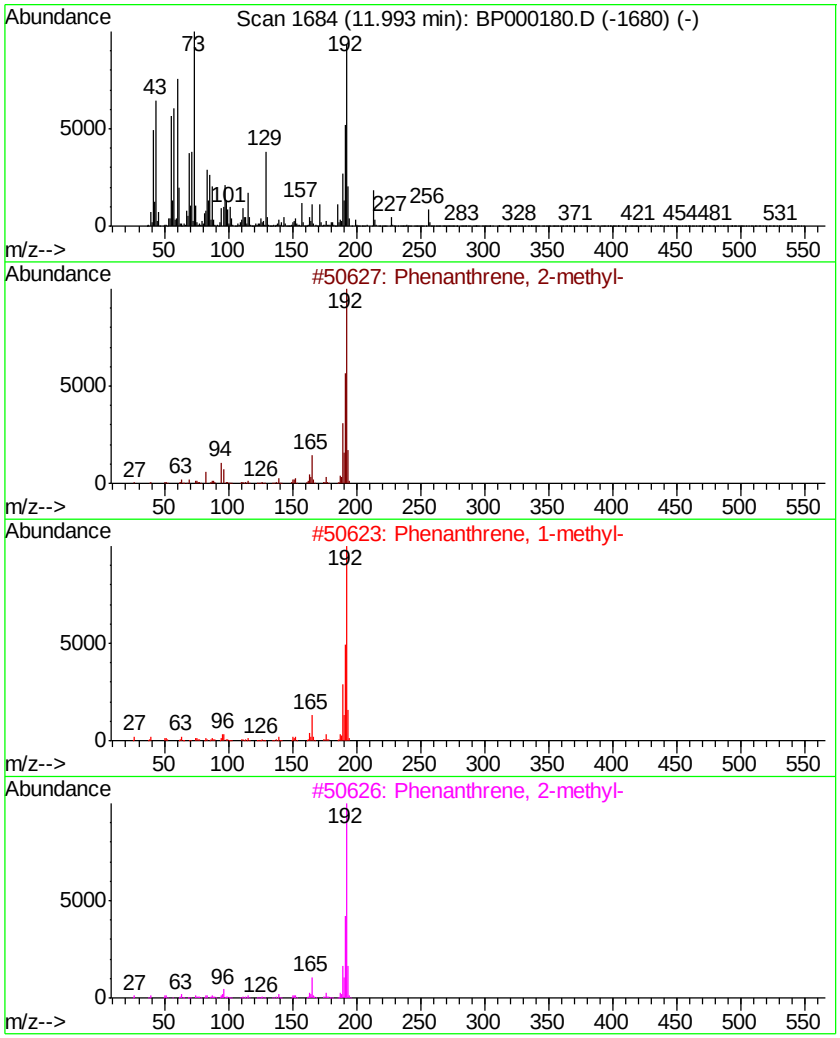
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

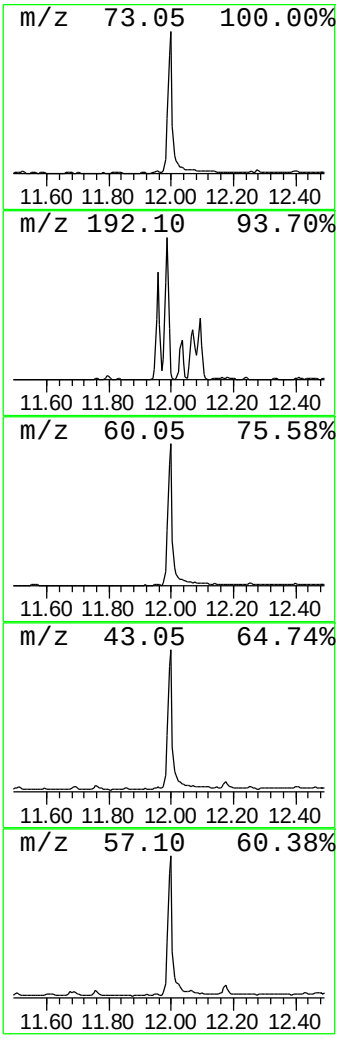
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	10.28 ng/ul	2181570	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Sample : K4634-16
Misc :
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Instrument : BNA_P
ClientSampleId : F2D34

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Quant Title : SVOA CALIBRATION

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

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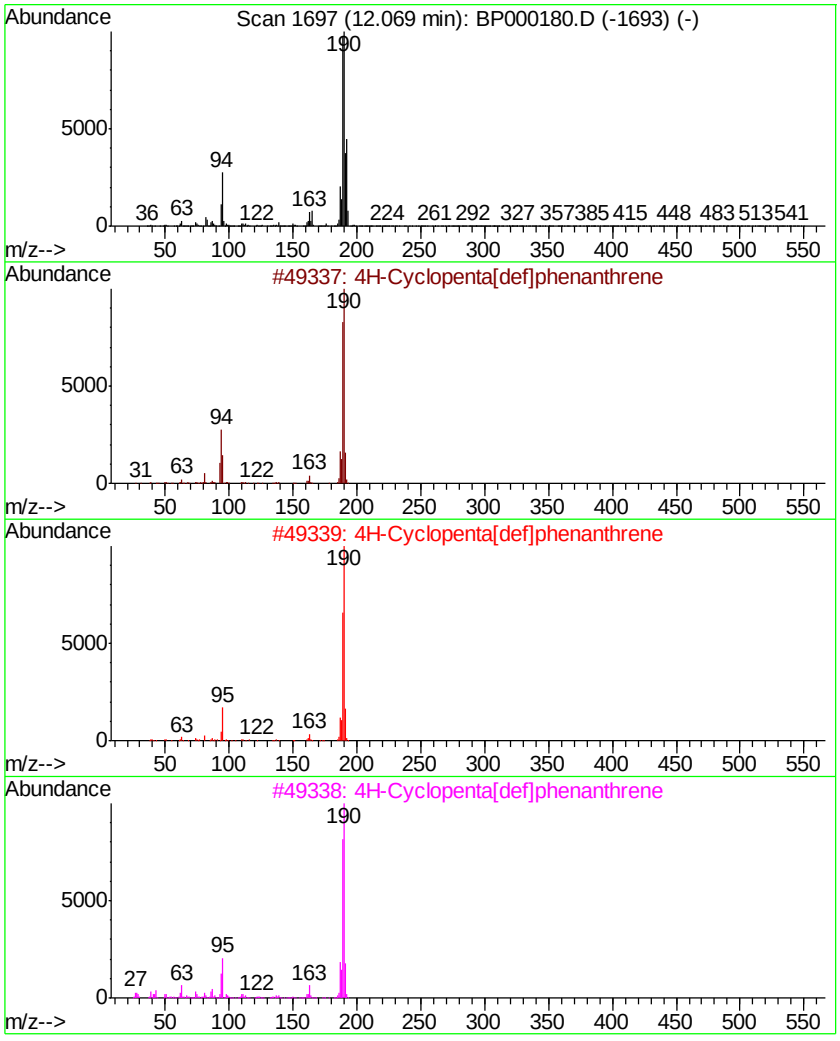
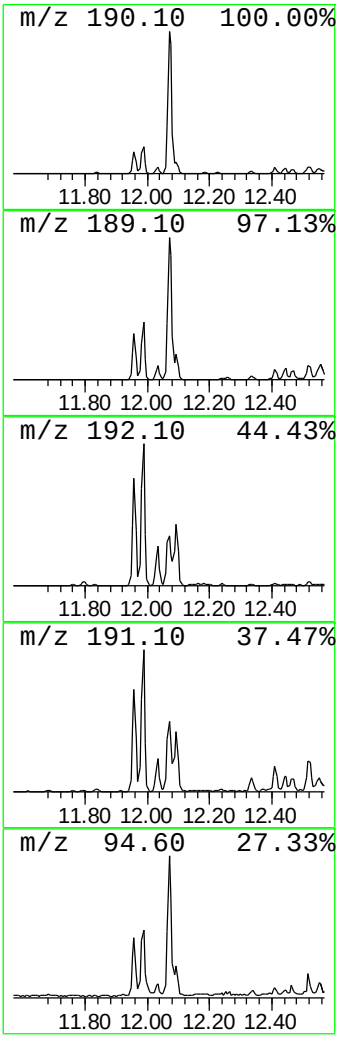
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	5.84 ng/ul	1238590	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Quant Title : SVOA CALIBRATION

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

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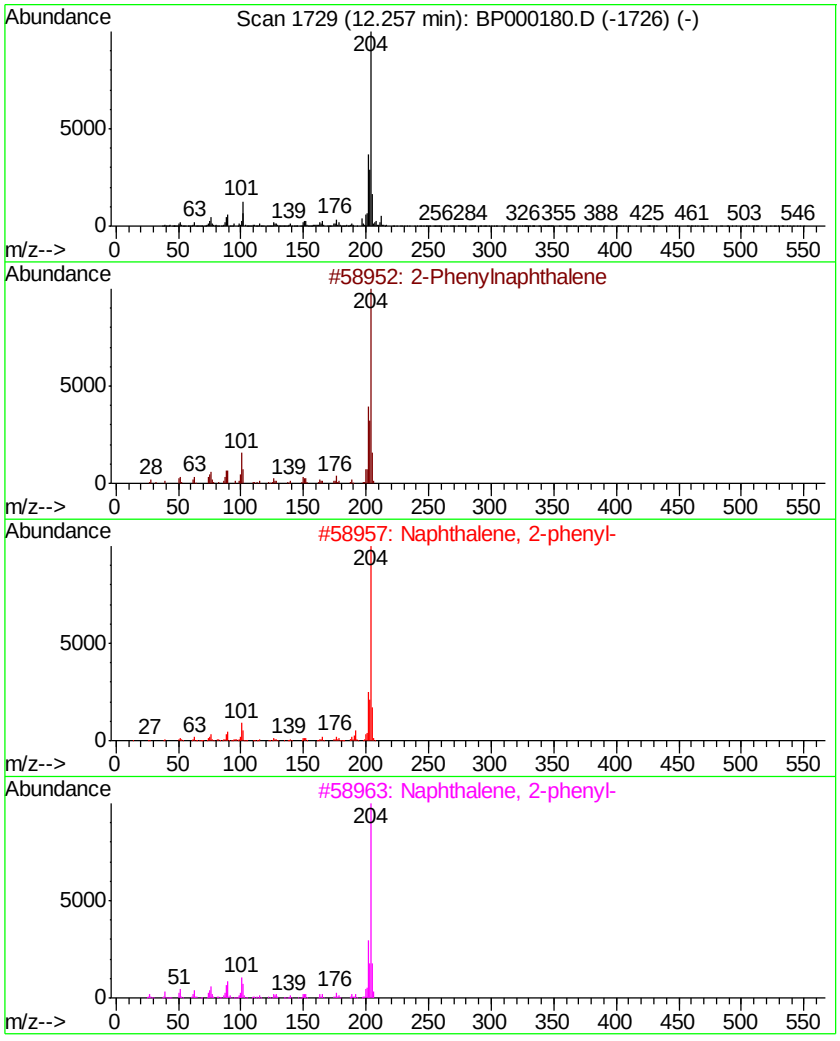
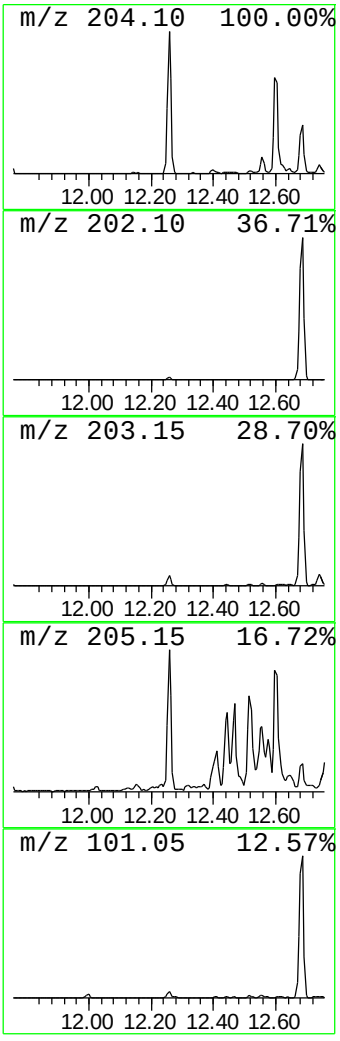
Peak Number 7 2-Phenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.67 ng/ul	566713	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86





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ClientSampleId : F2D34

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Quant Title : SVOA CALIBRATION

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

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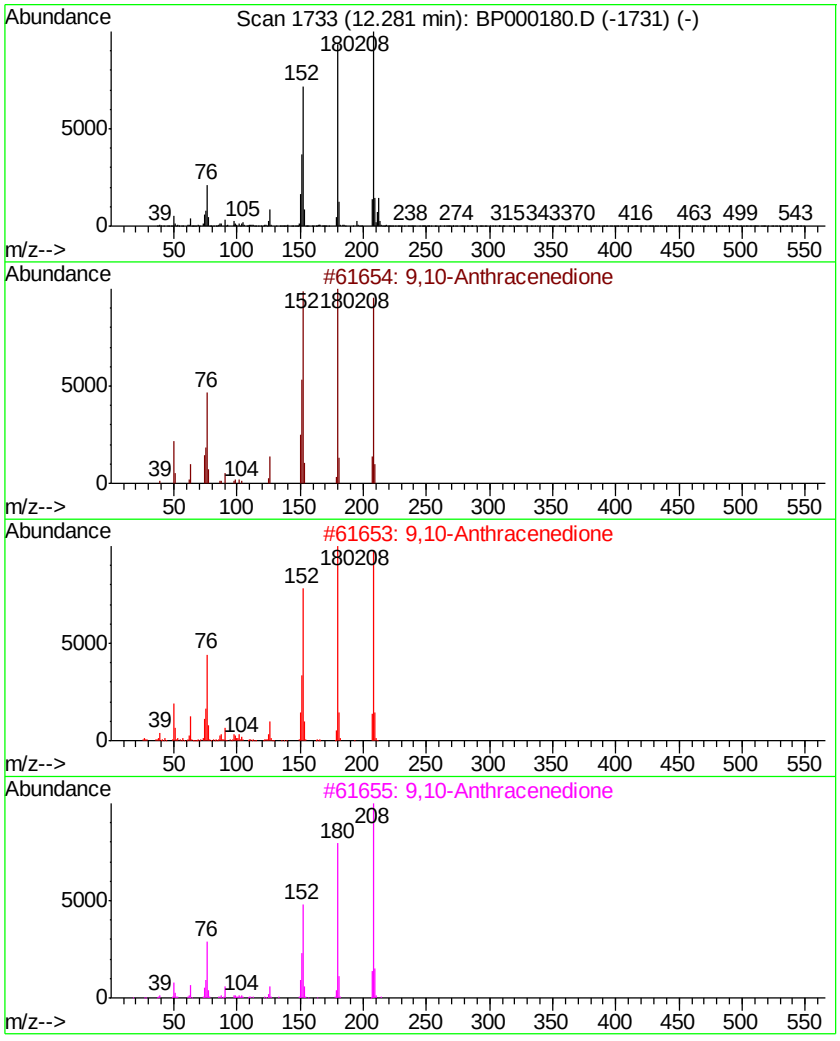
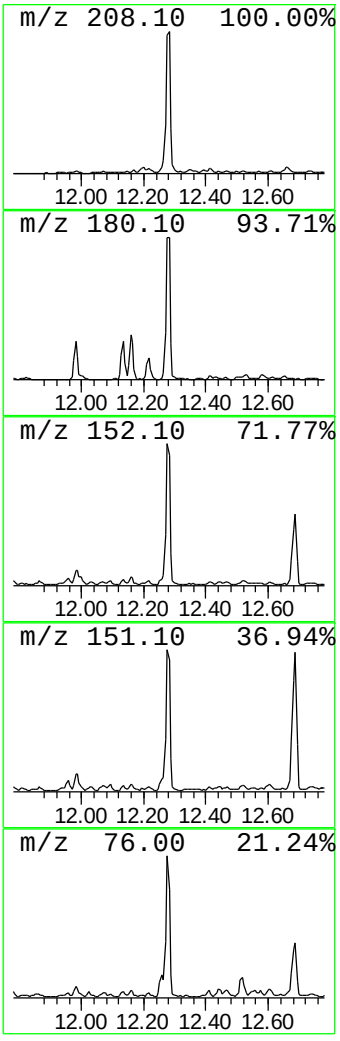
Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.99 ng/ul	635493	Phenanthrene-d10	11.45

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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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Quant Title : SVOA CALIBRATION

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

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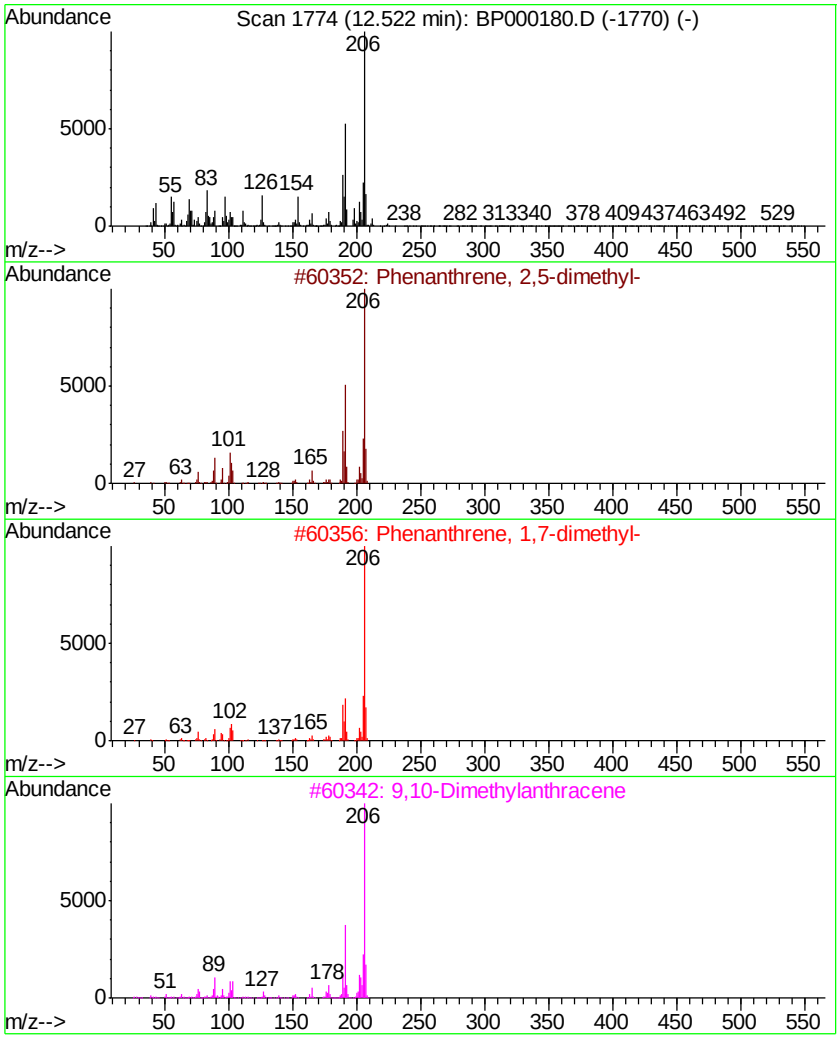
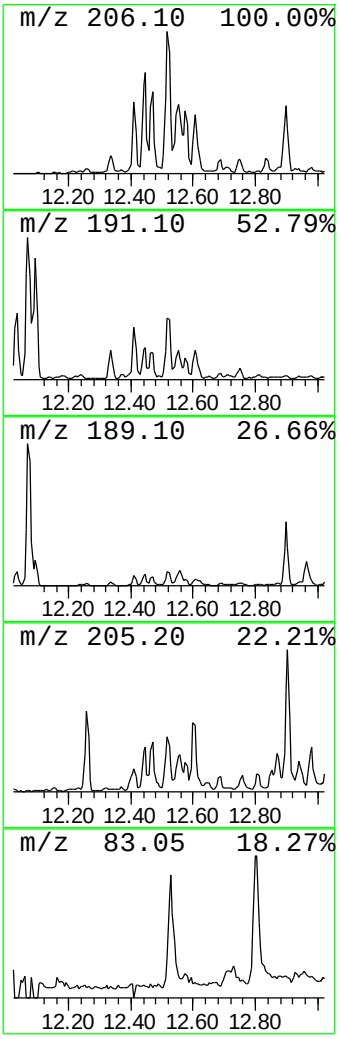
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.99 ng/ul	634641	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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ClientSampleId : F2D34

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Quant Title : SVOA CALIBRATION

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

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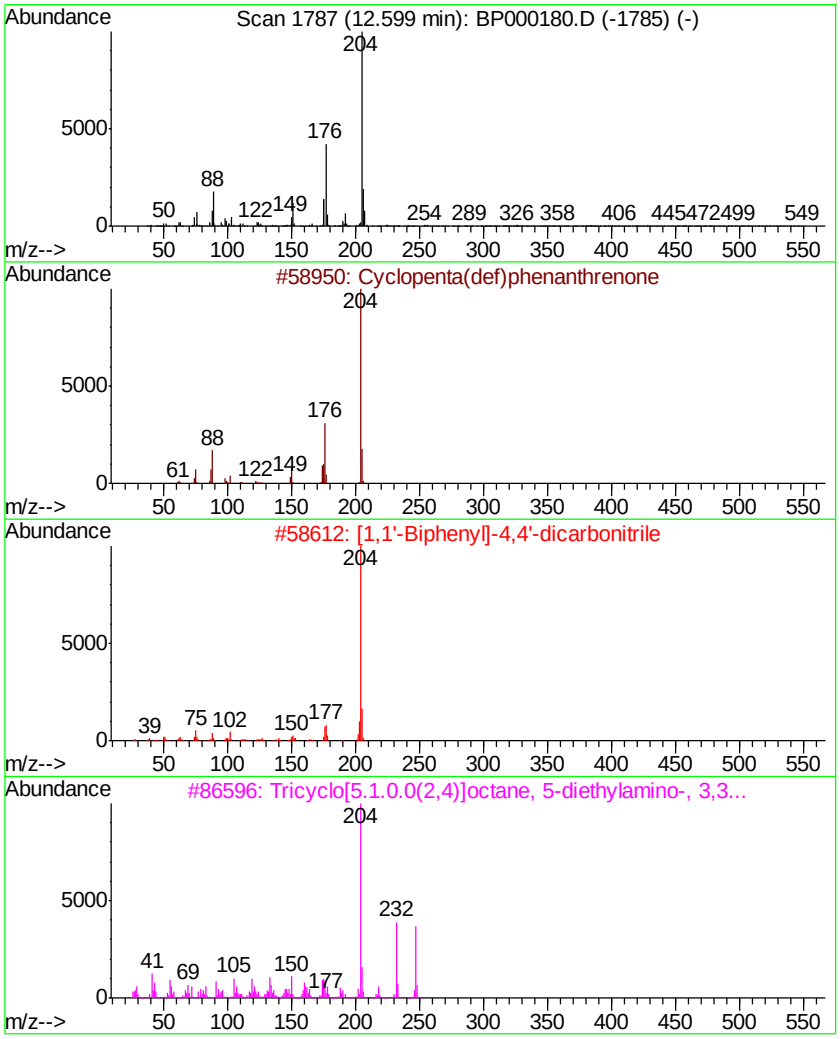
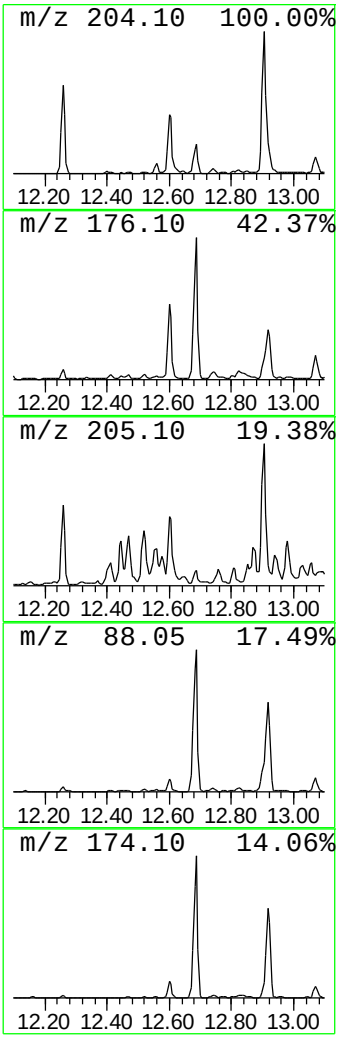
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.08 ng/ul	442110	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Quant Title : SVOA CALIBRATION

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

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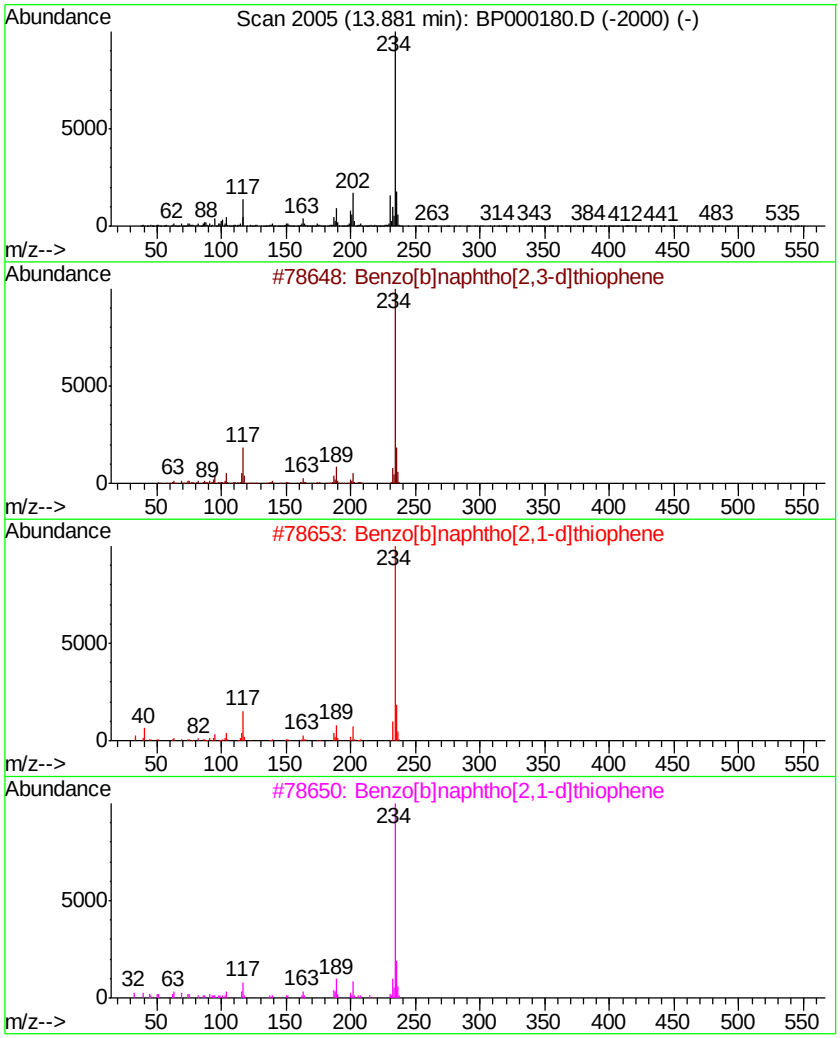
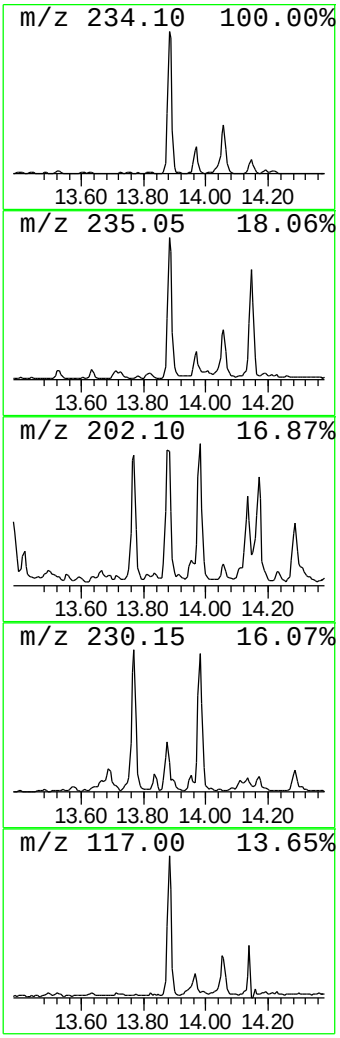
Peak Number 12 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.36 ng/ul	1694820	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





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Operator : HP/JU
Sample : K4634-16
Misc :
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Instrument : BNA_P
ClientSampleId : F2D34

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Quant Title : SVOA CALIBRATION

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

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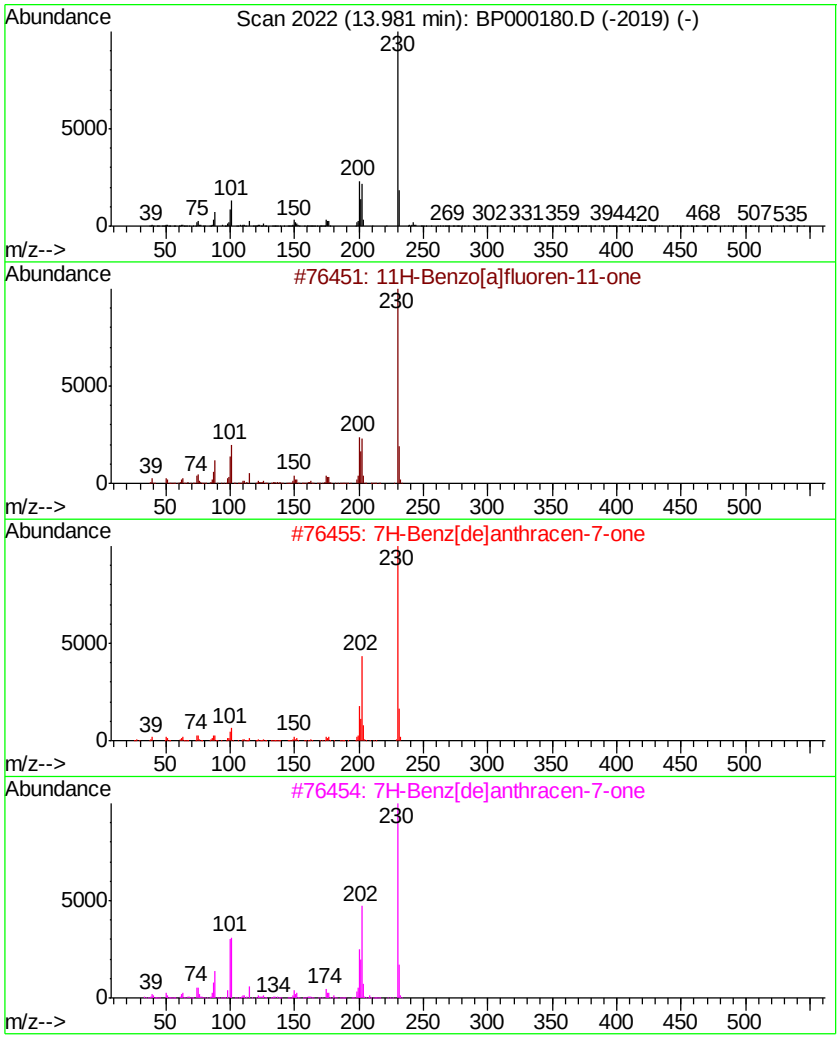
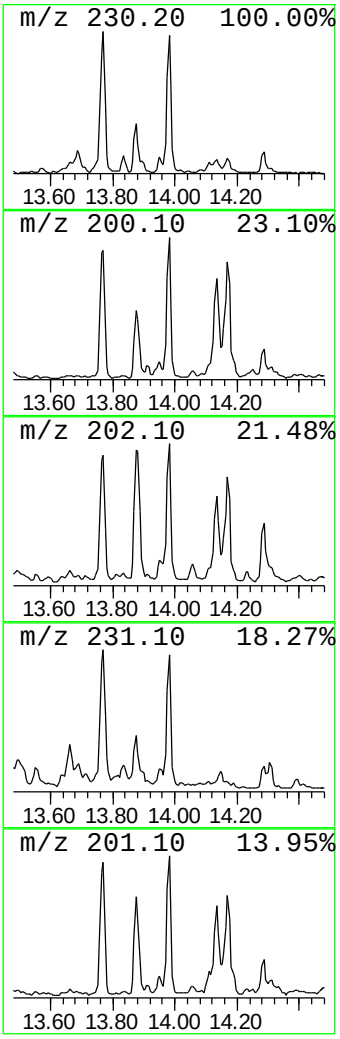
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.00 ng/ul	1008450	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
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	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





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Quant Title : SVOA CALIBRATION

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

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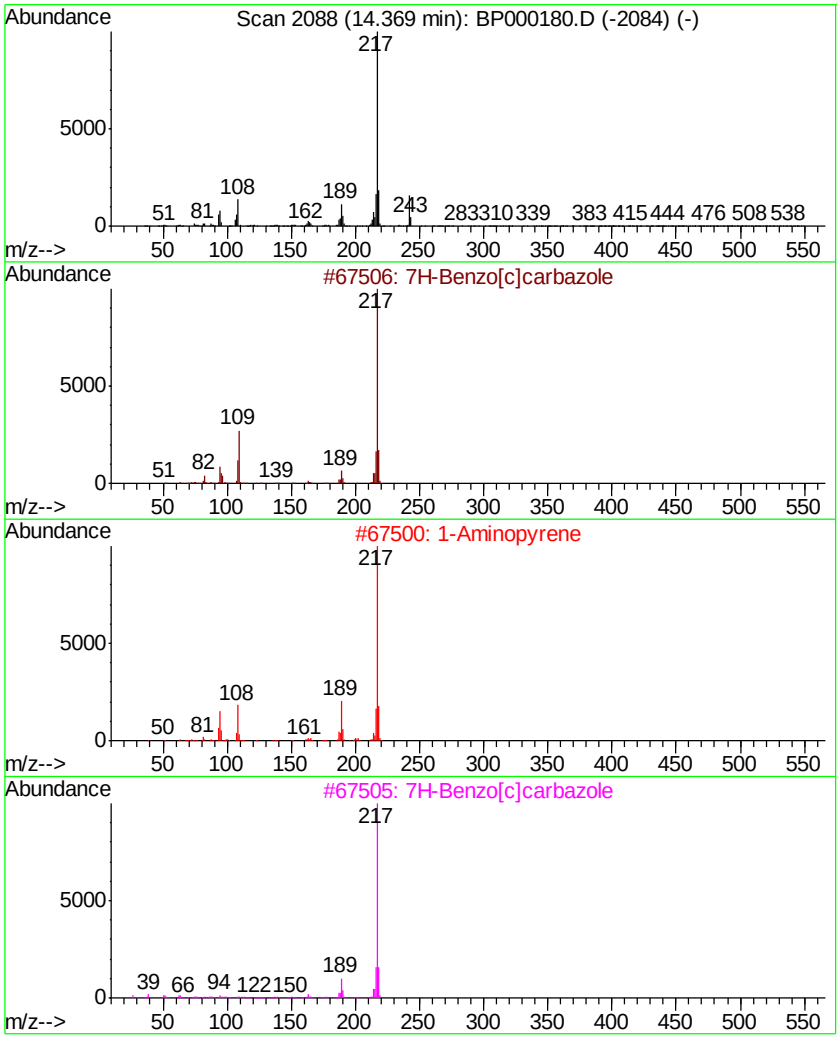
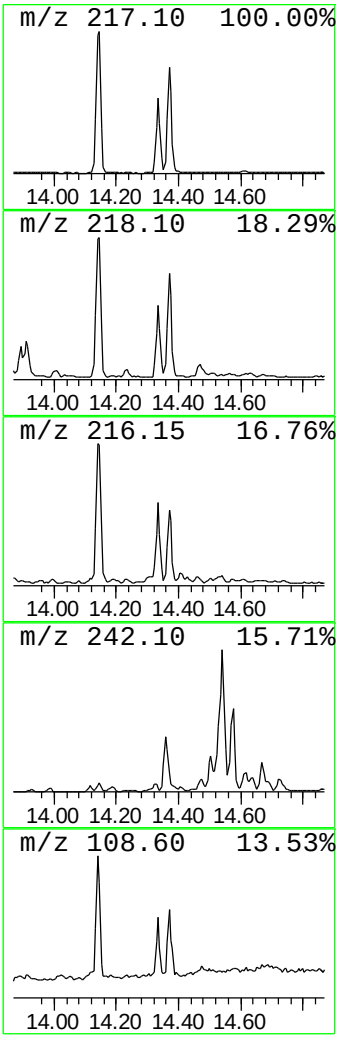
Peak Number 14 7H-Benzo[c]carbazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	2.26 ng/ul	1140110	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	90
2	1-Aminopyrene	217	C16H11N	001606-67-3	81
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	81
4	Benzo(b)carbazole	217	C16H11N	000243-28-7	76
5	3-Fluoranthenamine	217	C16H11N	002693-46-1	74





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Quant Title : SVOA CALIBRATION

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

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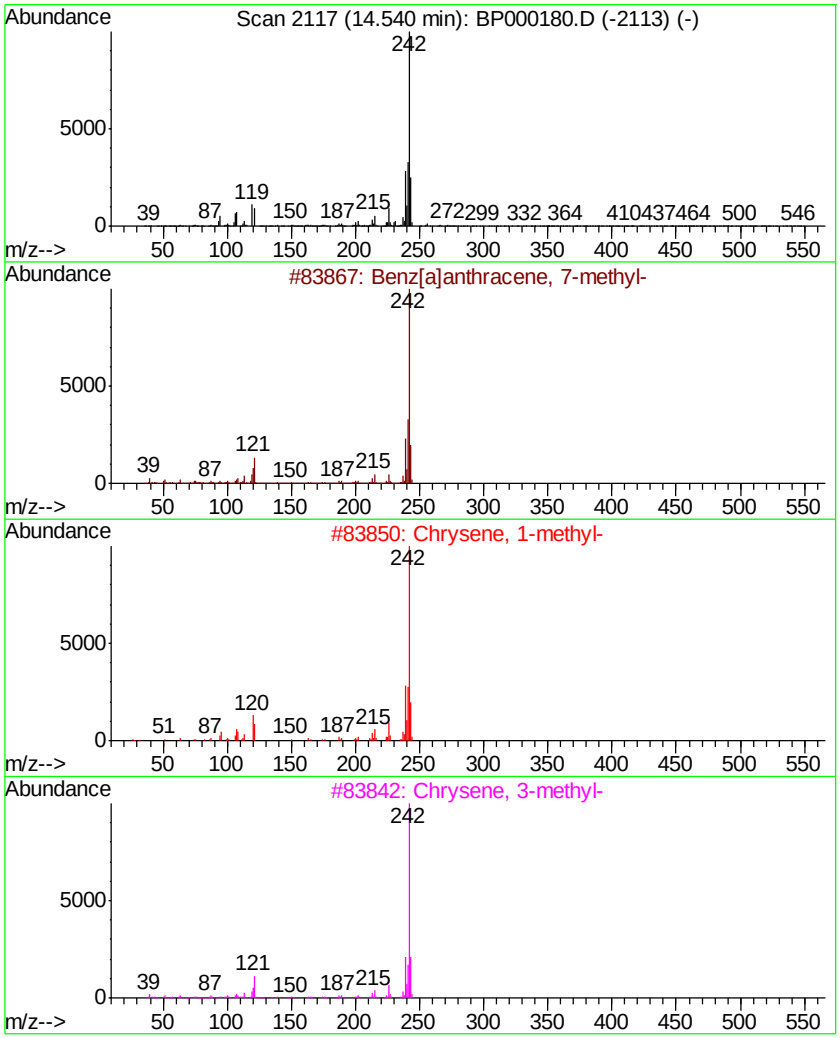
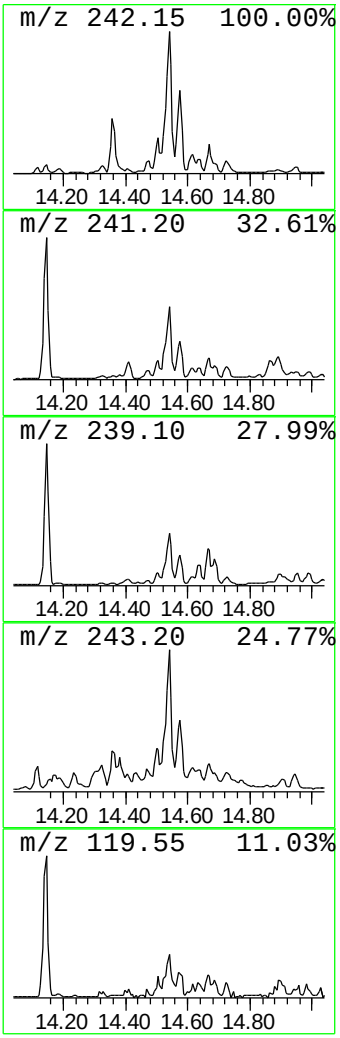
Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.31 ng/ul	1166980	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





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Quant Title : SVOA CALIBRATION

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

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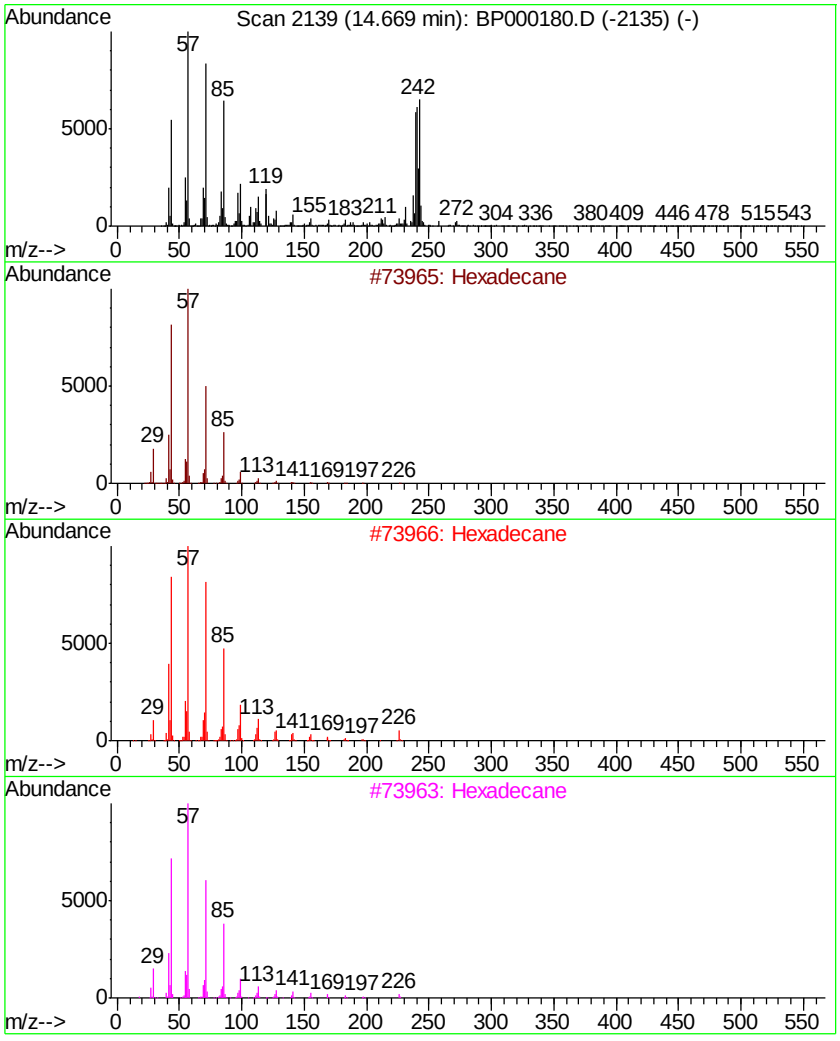
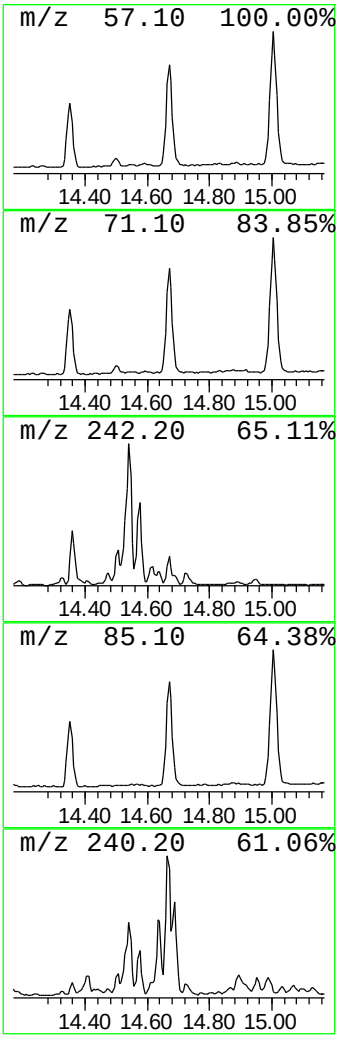
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	3.08 ng/ul	1550720	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexadecane	226	C16H34	000544-76-3	74
3	Hexadecane	226	C16H34	000544-76-3	56
4	Hexadecane	226	C16H34	000544-76-3	51
5	Heptadecane	240	C17H36	000629-78-7	49





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Quant Title : SVOA CALIBRATION

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

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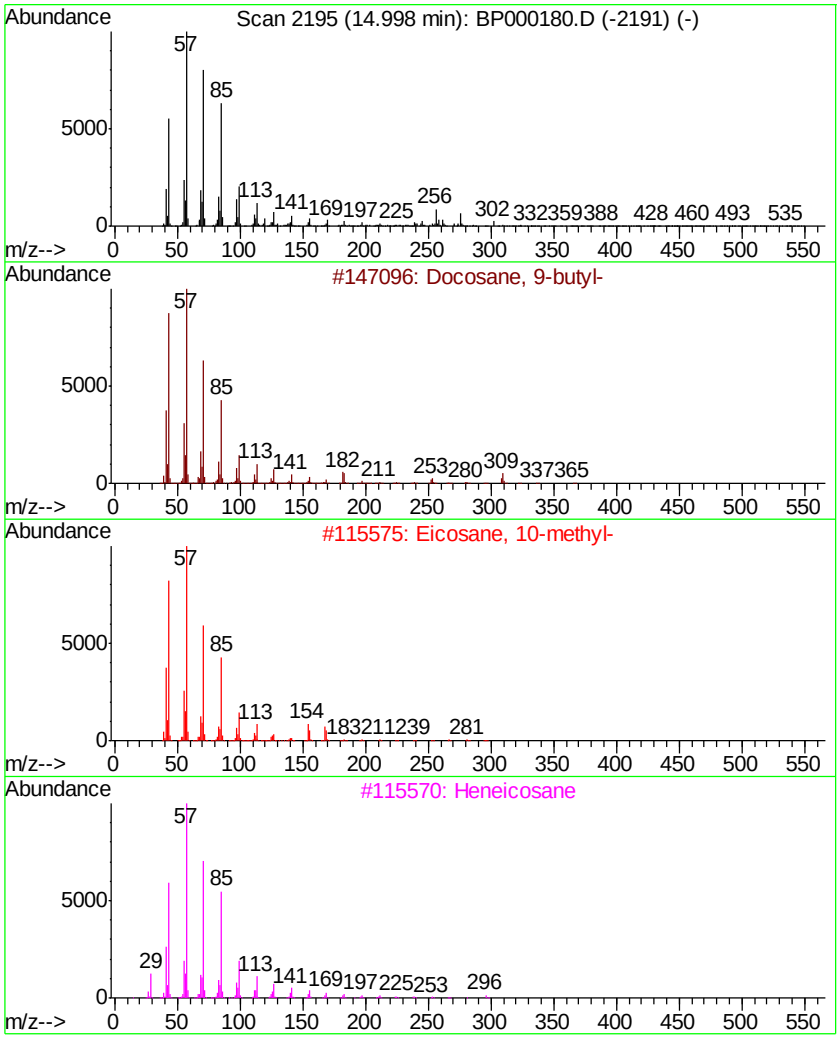
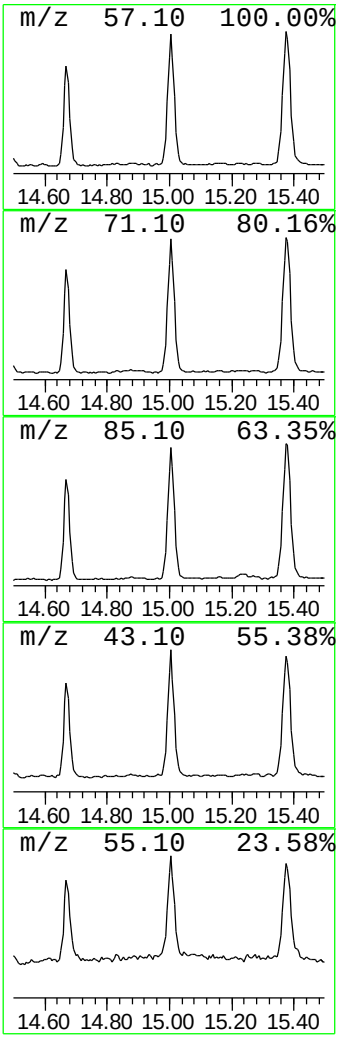
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.83 ng/ul	1057140	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 9-butyl-	366	C26H54	055282-14-9	93
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hentriacontane	437	C31H64	000630-04-6	89
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	89





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Instrument : BNA_P
ClientSampleId : F2D34

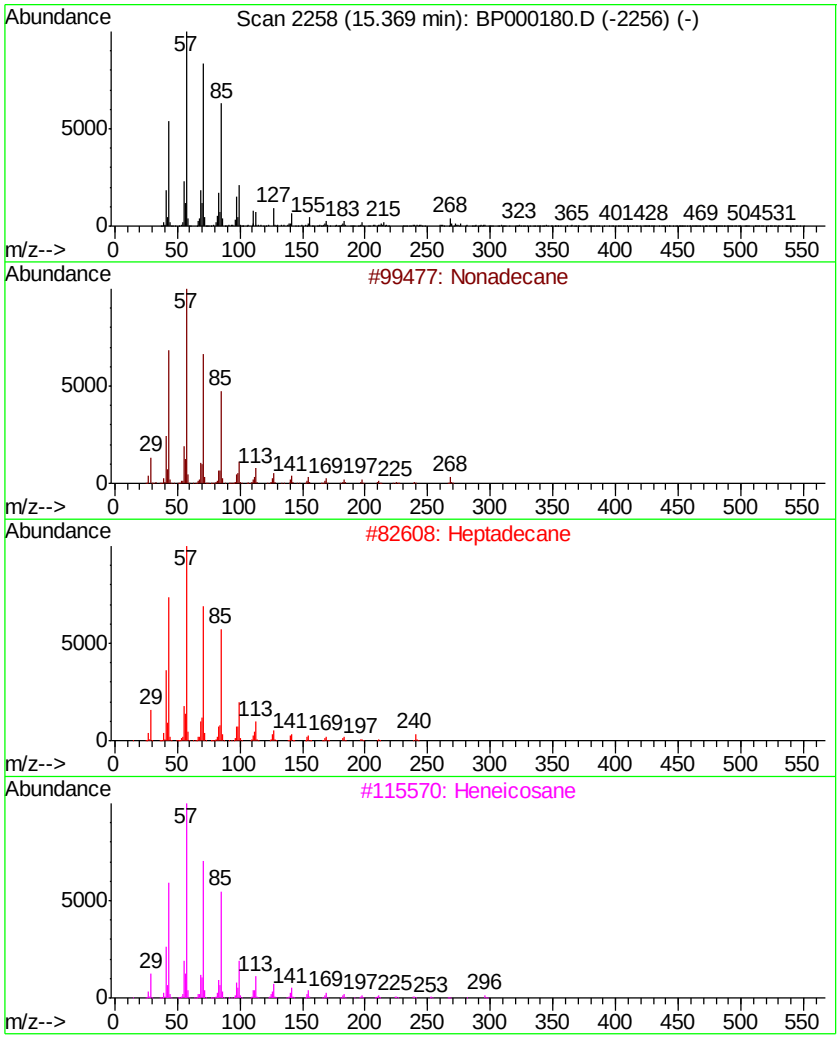
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

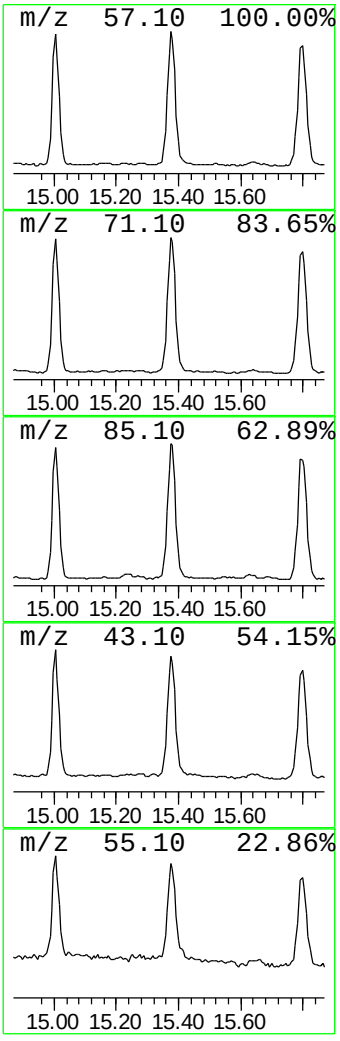
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	6.41 ng/ul	1162380	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Heptadecane	240	C17H36	000629-78-7	86
3	Heneicosane	296	C21H44	000629-94-7	83
4	Heptacosane	380	C27H56	000593-49-7	80
5	Nonacosane	408	C29H60	000630-03-5	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000180.D
Acq On : 10 Sep 2019 21:26
Operator : HP/JU
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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

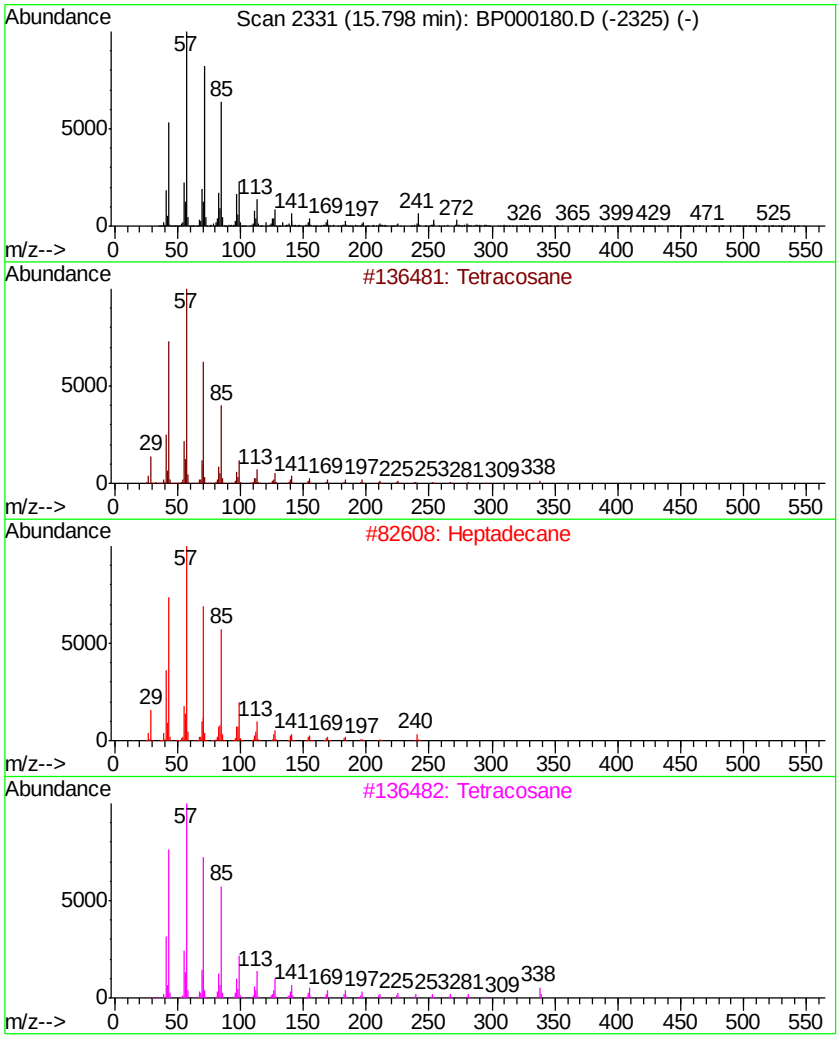
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

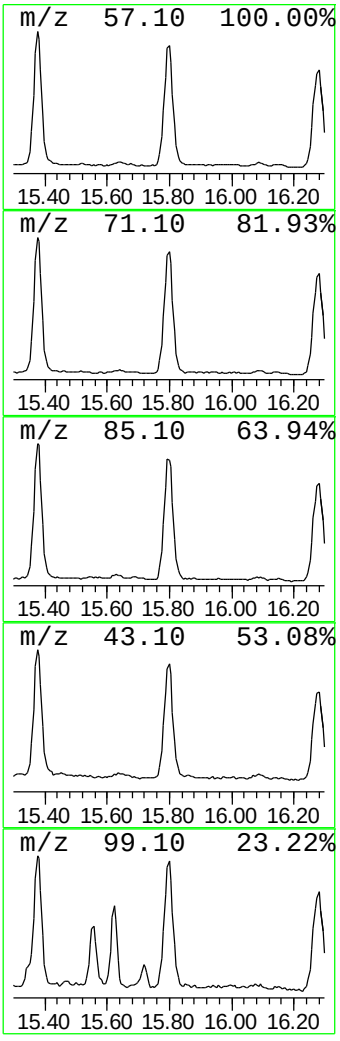
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	8.35 ng/ul	1514590	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Heptadecane	240	C17H36	000629-78-7	93
3	Tetracosane	338	C24H50	000646-31-1	93
4	Tetracosane	338	C24H50	000646-31-1	91
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000180.D
Acq On : 10 Sep 2019 21:26
Operator : HP/JU
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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

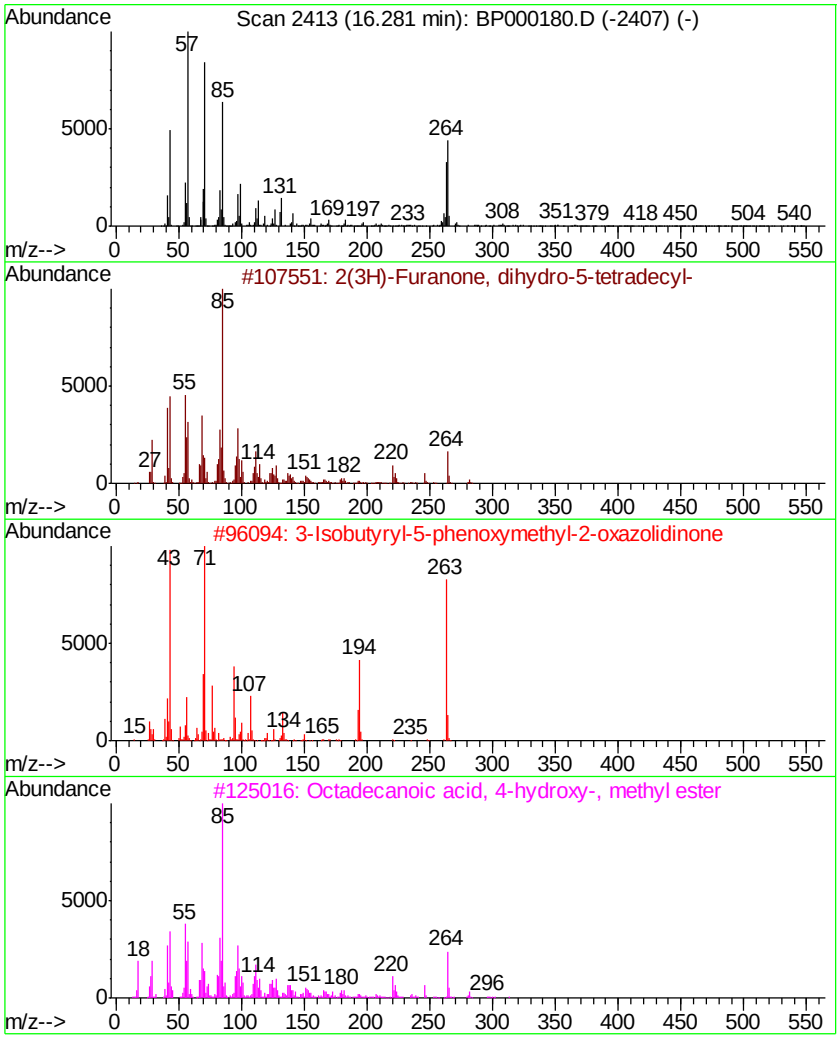
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

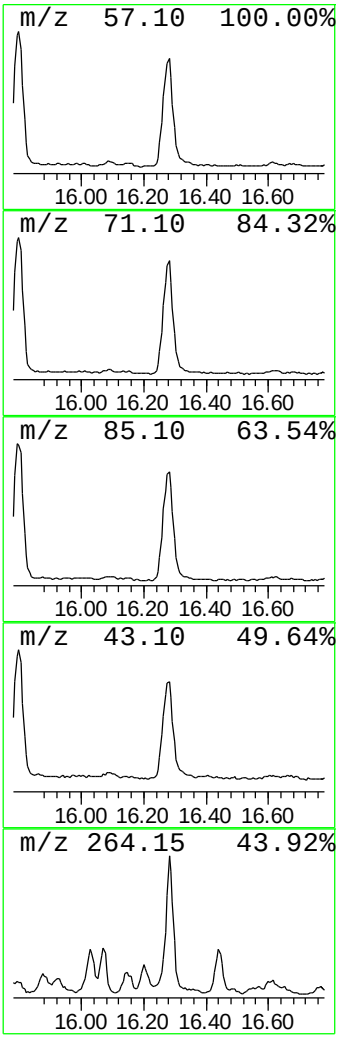
****

Peak Number 21 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	8.13 ng/ul	1474590	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-5-tetrad...	282	C18H34O2	000502-26-1	10
2	3-Isobutyryl-5-phenoxymethyl-2-o...	263	C14H17NO4	014789-97-0	9
3	Octadecanoic acid, 4-hydroxy-, m...	314	C19H38O3	002420-38-4	9
4	N-Formyl-beta-alanine	117	C4H7NO3	014565-43-6	5
5	Octadecanoic acid, 6-hydroxy-, m...	314	C19H38O3	002379-94-4	4





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091019\
Data File : BP000180.D
Acq On : 10 Sep 2019 21:26
Operator : HP/JU
Sample : K4634-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D34

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...	2.18	164.8	ng/ul	22412300	1	6.89	2719510	20.0
unknown-01	3.77	2.3	ng/ul	306023	1	6.89	2719510	20.0
9H-Fluoren-9-one	11.25	2.2	ng/ul	461686	4	11.45	4243830	20.0
Anthracene, 2-met...	11.96	3.2	ng/ul	688134	4	11.45	4243830	20.0
Phenanthrene, 2-m...	11.99	10.3	ng/ul	2181570	4	11.45	4243830	20.0
4H-Cyclopenta[def...	12.07	5.8	ng/ul	1238590	4	11.45	4243830	20.0
2-Phenylnaphthalene	12.26	2.7	ng/ul	566713	4	11.45	4243830	20.0
9,10-Anthracenedione	12.28	3.0	ng/ul	635493	4	11.45	4243830	20.0
Phenanthrene, 2,5...	12.52	3.0	ng/ul	634641	4	11.45	4243830	20.0
Cyclopenta(def)ph...	12.60	2.1	ng/ul	442110	4	11.45	4243830	20.0
Benzo[b]naphtho[2...	13.88	3.4	ng/ul	1694820	5	14.15	10082200	20.0
11H-Benzo[a]fluor...	13.98	2.0	ng/ul	1008450	5	14.15	10082200	20.0
7H-Benzo[c]carbazole	14.37	2.3	ng/ul	1140110	5	14.15	10082200	20.0
Benz[a]anthracene...	14.54	2.3	ng/ul	1166980	5	14.15	10082200	20.0
(DEL) Alkane: Str...	14.67	3.1	ng/ul	1550720	5	14.15	10082200	20.0
(DEL) Alkane: Str...	15.00	5.8	ng/ul	1057140	6	15.69	3625900	20.0
(DEL) Alkane: Str...	15.37	6.4	ng/ul	1162380	6	15.69	3625900	20.0
(DEL) Alkane: Str...	15.80	8.3	ng/ul	1514590	6	15.69	3625900	20.0
unknown-02	16.28	8.1	ng/ul	1474590	6	15.69	3625900	20.0