LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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	6	14	18	rBV	10382700	17953292	100.00%	11.244%
2	2.275	28	32	37	rVV	176567	214538	1.19%	0.134%
3	3.599	251	257	264	rVB	54166	79035	0.44%	0.049%
4	3.769	280	286	293	rBV	362956	475539	2.65%	0.298%
5	3.969	316	320	324	rVV	123031	165837	0.92%	0.104%
6	5.087	506	510	517	rVB	127095	125200	0.70%	0.078%
7	5.211	528	531	542	rBV	84672	81860	0.46%	0.051%
8	6.511	748	752	759	rBV2	1568469	1493883	8.32%	0.936%
9	6.569	759	762	767	rVB	1098192	1015015	5.65%	0.636%
10	6.658	774	777	781	rBV	1525416	1345572	7.49%	0.843%
11	6.893	814	817	821	rVV	2521411	1948558	10.85%	1.220%
12	7.258	876	879	883	rBV	1780701	1522382	8.48%	0.953%
13	7.293	883	885	893	rVB	125666	101229	0.56%	0.063%
14	7.446	908	911	915	rVV	1405224	1164777	6.49%	0.730%
15	7.775	963	967	970	rBV	1211066	920498	5.13%	0.577%
16	8.016	1005	1008	1015	rBV	1972040	1579244	8.80%	0.989%
17	8.181	1031	1036	1038	rBV	3031707	2628124	14.64%	1.646%
18	8.234	1042	1045	1055	rVB	604050	579162	3.23%	0.363%
19	9.634	1279	1283	1285	rVV	2700315	2127363	11.85%	1.332%
20	9.657	1285	1287	1292	rVV	678822	556558	3.10%	0.349%
21	9.793	1306	1310	1317	rBV	3202122	2773364	15.45%	1.737%
22	9.946	1333	1336	1339	rBV	3334264	3024282	16.85%	1.894%
23	9.981	1339	1342	1346	rVV	993569	833260	4.64%	0.522%
24	10.040	1348	1352	1362	rVV	524273	913366	5.09%	0.572%
25	10.110	1362	1364	1368	rVV2	123549	159074	0.89%	0.100%
26	10.152	1368	1371	1376	rVV	231357	226711	1.26%	0.142%
27	10.469	1422	1425	1429	rVV	3326800	3122472	17.39%	1.956%
28	10.499	1429	1430	1433	rVV	169563	112382	0.63%	0.070%
29	10.540	1433	1437	1440	rVV	212141	257035	1.43%	0.161%
30	10.593	1444	1446	1452	rVV3	65116	115108	0.64%	0.072%
31	10.869	1489	1493	1497	rBV	168221	160671	0.89%	0.101%
32	11.251	1555	1558	1563	rVB	159365	164980	0.92%	0.103%
33	11.310	1563	1568	1572	rBV3	73955	127787	0.71%	0.080%
34	11.346	1572	1574	1581	rVB	220214	209250	1.17%	0.131%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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	11.451	1588	1592	1595	rBV	3044078	3450734	19.22%	2.161%
36	11.481	1595	1597	1599	rVV	3440058	2866237	15.96%	1.795%
37	11.510	1599	1602	1605	rVV	3338759	3323842	18.51%	2.082%
38	11.563	1609	1611	1615	rVB	117168	108121	0.60%	0.068%
39	11.687	1626	1632	1635	rBV2	425983	494520	2.75%	0.310%
40	11.793	1646	1650	1653	rVV	175651	176016	0.98%	0.110%
41	11.875	1661	1664	1668	rVB	158825	174155	0.97%	0.109%
42	11.963	1676	1679	1682	rVV	839858	855913	4.77%	0.536%
43	11.993	1682	1684	1689	rVV	1516596	1506388	8.39%	0.943%
44	12.040	1689	1692	1695	rVV2	214774	217190	1.21%	0.136%
45	12.081	1695	1699	1701	rVV2	576955	715593	3.99%	0.448%
46	12.098	1701	1702	1707	rVB	369615	303148	1.69%	0.190%
47	12.175	1712	1715	1717	rVV2	78224	82292	0.46%	0.052%
48	12.204	1717	1720	1722	rVV2	111870	86396	0.48%	0.054%
49	12.263	1727	1730	1732	rBV	357998	348141	1.94%	0.218%
50	12.293	1732	1735	1741	rVB3	353807	475302	2.65%	0.298%
51	12.340	1741	1743	1746	rBV	88557	90296	0.50%	0.057%
52	12.369	1746	1748	1751	rVB	102649	100798	0.56%	0.063%
53	12.422	1751	1757	1759	rBV	423462	508821	2.83%	0.319%
54	12.451	1759	1762	1764	rBV	589767	551903	3.07%	0.346%
55	12.475	1764	1766	1770	rVB	484871	463794	2.58%	0.290%
56	12.528	1771	1775	1778	rBV	624361	719600	4.01%	0.451%
57	12.563	1778	1781	1783	rBV2	216065	226119	1.26%	0.142%
58	12.587	1783	1785	1787	rVB	218615	167051	0.93%	0.105%
59	12.616	1787	1790	1794	rVB	546762	573801	3.20%	0.359%
60	12.657	1794	1797	1799	rBV	119714	113753	0.63%	0.071%
61	12.698	1799	1804	1809	rVB	6805374	7173408	39.96%	4.493%
62	12.740	1809	1811	1813	rBV	177718	206323	1.15%	0.129%
63	12.804	1819	1822	1825	rBV4	104135	167173	0.93%	0.105%
64	12.845	1826	1829	1833	rVV2	345145	501541	2.79%	0.314%
65	12.881	1833	1835	1836	rVV	137010	108902	0.61%	0.068%
66	12.934	1836	1844	1850	rVV2	6719554	11534646	64.25%	7.224%
67	12.987	1850	1853	1857	rVB3	464207	649236	3.62%	0.407%
68	13.045	1858	1863	1865	rBV2	386288	584873	3.26%	0.366%
69	13.087	1868	1870	1876	rVB	407100	536303	2.99%	0.336%
70	13.151	1876	1881	1885	rBV2	604480	1104723	6.15%	0.692%
71	13.210	1888	1891	1893	rBV	229196	203131	1.13%	0.127%

LSC Area Percent Report

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Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	13.245	1893	1897	1898	rBV3	479542	588526	3.28%	0.369%
73	13.263	1898	1900	1904	rVB2	732855	786443	4.38%	0.493%
74	13.310	1904	1908	1909	rBV3	178870	219586	1.22%	0.138%
75	13.334	1909	1912	1915	rVB2	239856	231960	1.29%	0.145%
76	13.375	1915	1919	1926	rBV	2168984	2930676	16.32%	1.835%
77	13.469	1931	1935	1937	rVV	933570	1073831	5.98%	0.673%
78	13.498	1937	1940	1944	rVV	870455	1028127	5.73%	0.644%
79	13.540	1944	1947	1950	rVV2	251723	323551	1.80%	0.203%
80	13.592	1953	1956	1959	rVB	180228	208938	1.16%	0.131%
81	13.687	1964	1972	1973	rBV6	302917	650323	3.62%	0.407%
82	13.792	1986	1990	1995	rVB	1181445	1575766	8.78%	0.987%
83	13.857	1998	2001	2004	rVB	473803	534957	2.98%	0.335%
84	13.904	2004	2009	2016	rBV3	2122604	3814136	21.24%	2.389%
85	13.981	2016	2022	2024	rVV4	341698	765044	4.26%	0.479%
86	14.016	2024	2028	2035	rVB2	872407	1469152	8.18%	0.920%
87	14.075	2035	2038	2041	rBV	315761	391516	2.18%	0.245%
88	14.163	2046	2053	2056	rBV2	4930770	9950978	55.43%	6.232%
89	14.198	2056	2059	2066	rVB	4901429	7038647	39.21%	4.408%
90	14.257	2066	2069	2075	rBV2	811101	1312229	7.31%	0.822%
91	14.334	2075	2082	2090	rBV2	942090	2671780	14.88%	1.673%
92	14.498	2107	2110	2112	rBV	329053	391848	2.18%	0.245%
93	14.575	2113	2123	2126	rVV	2919112	5785602	32.23%	3.624%
94	14.604	2126	2128	2132	rVB	1000004	1360622	7.58%	0.852%
95	14.939	2179	2185	2190	rBV5	820671	2149627	11.97%	1.346%
96	14.992	2191	2194	2196	rBV2	493062	696852	3.88%	0.436%
97	15.292	2237	2245	2257	rBV2	3360119	10321573	57.49%	6.464%
98	15.392	2258	2262	2267	rVB3	670289	1088235	6.06%	0.682%
99	15.622	2294	2301	2307	rBV3	2013330	6111369	34.04%	3.828%
100	17.369	2590	2598	2612	rVB	1171999	4447994	24.78%	2.786%

Sum of corrected areas: 159667479

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
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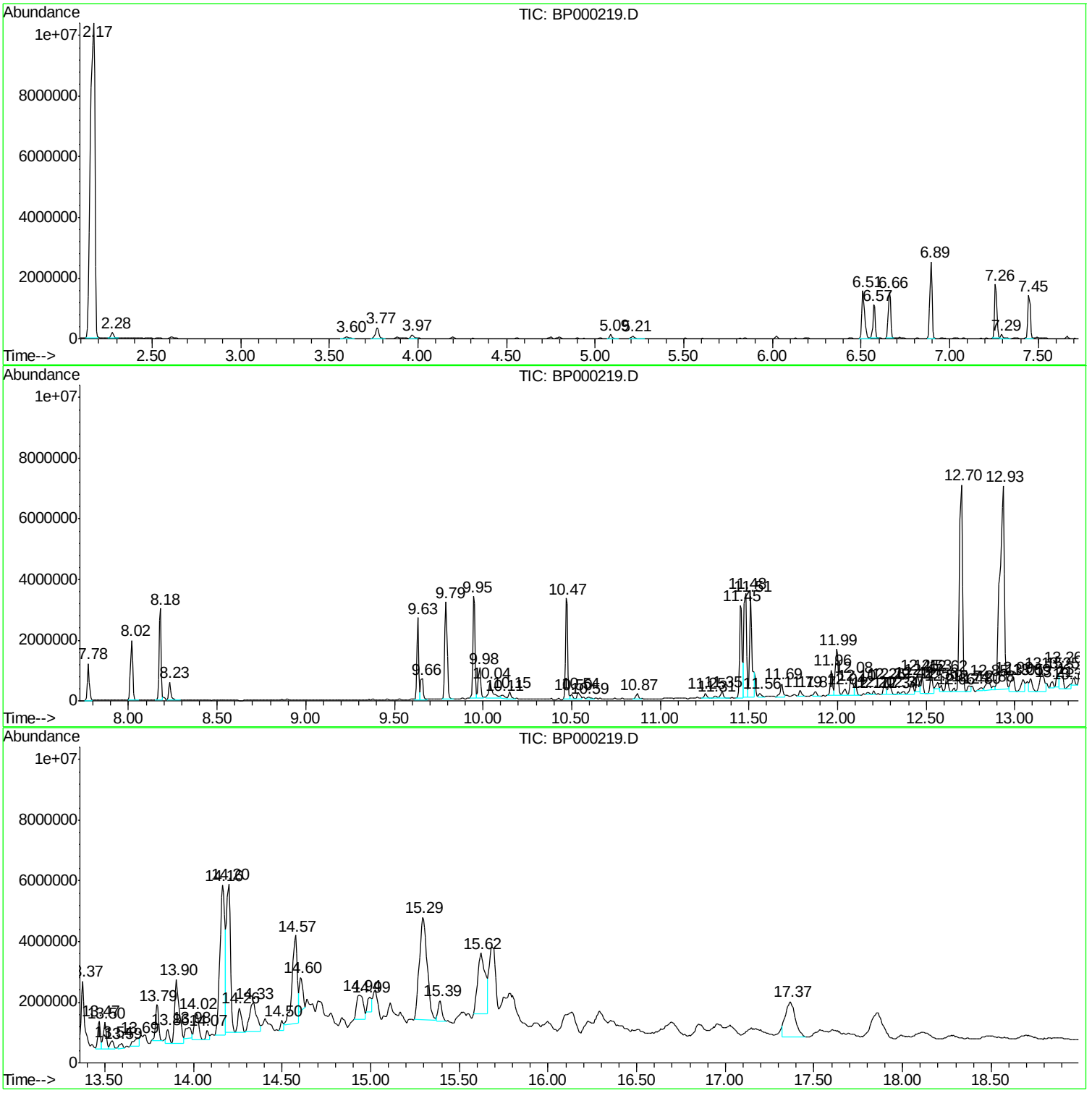
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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\
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Acq On : 12 Sep 2019 15:40
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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

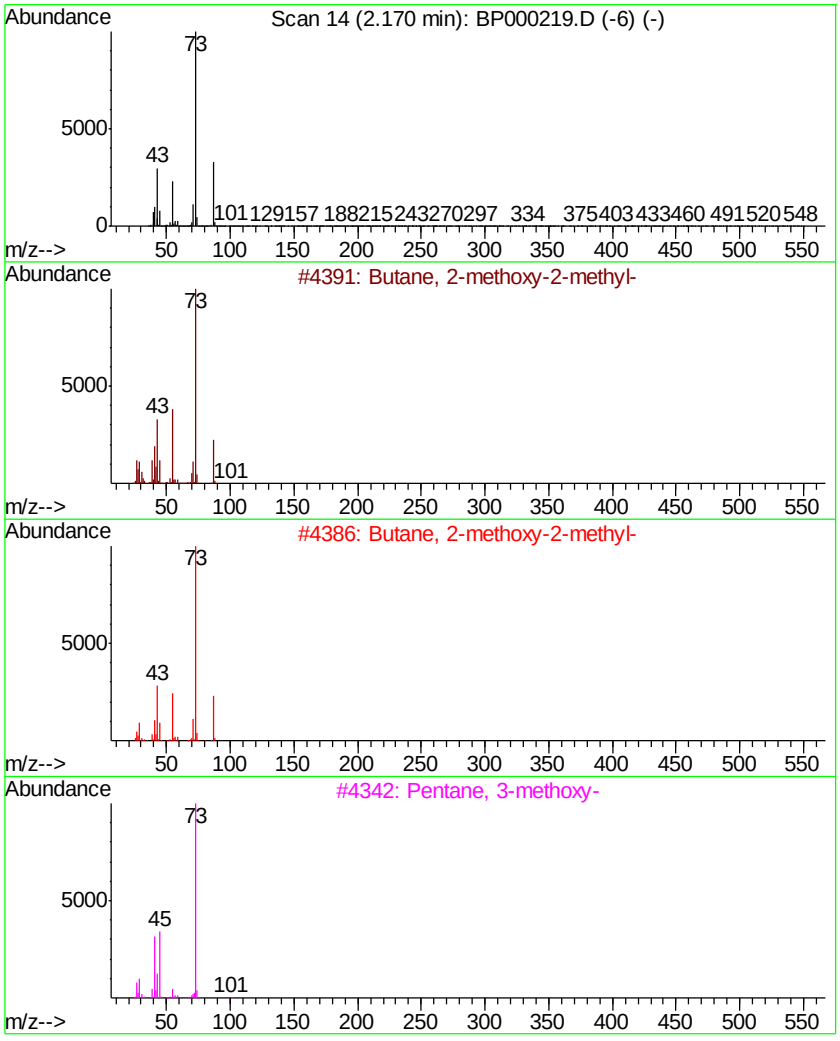
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

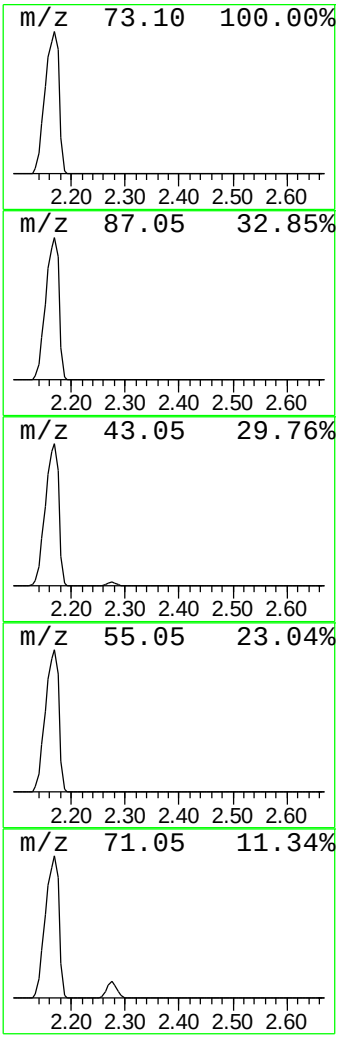
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	184.27 ng/ul	17953300	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	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
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Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

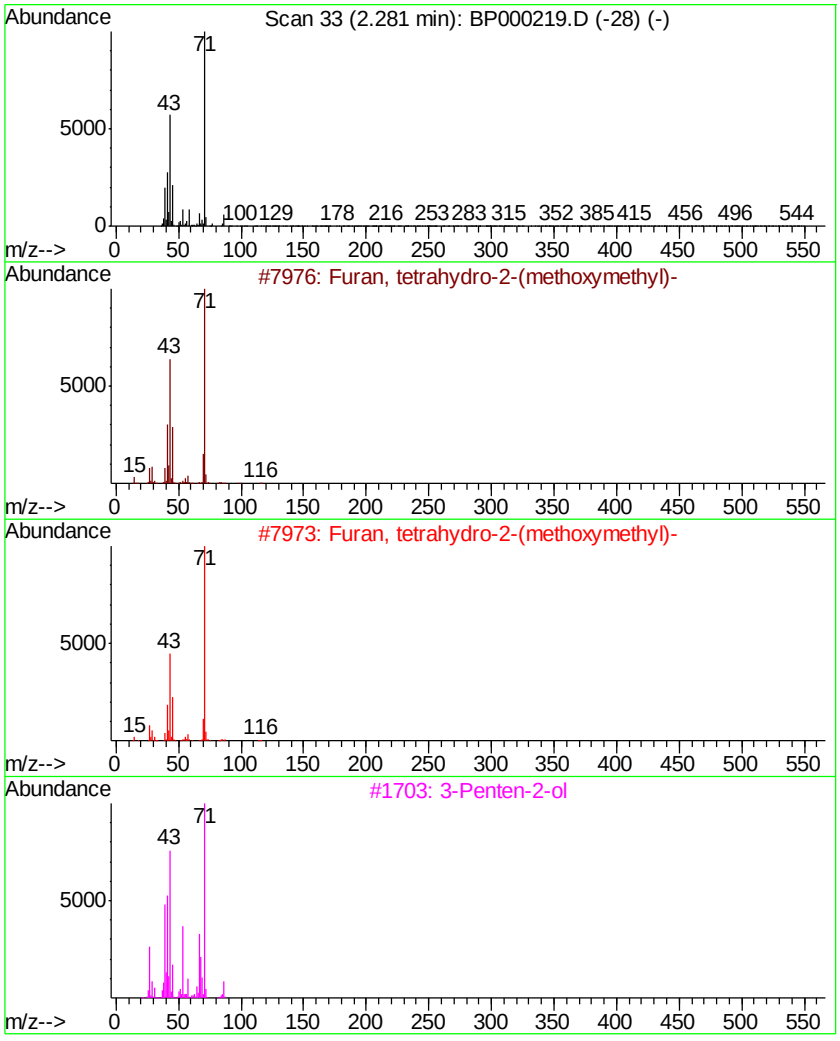
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

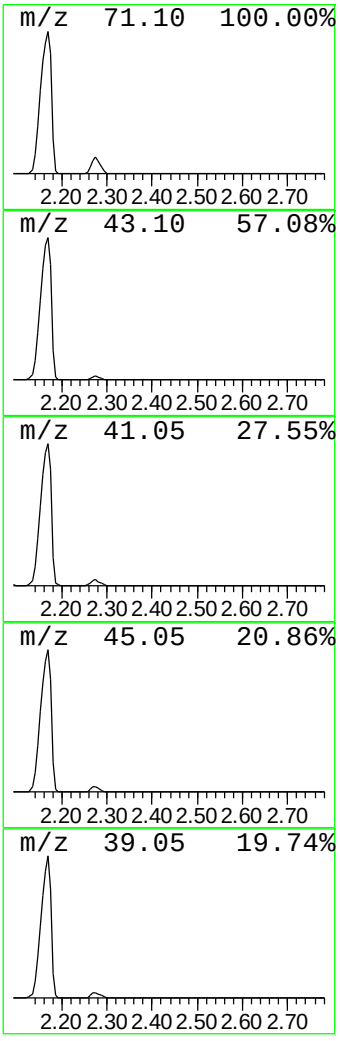
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Furan, tetrahydro-2-(methox... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	2.20 ng/ul	214538	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
2	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
3	3-Penten-2-ol	86	C5H10O	001569-50-2	59
4	2-Furanmethanol, tetrahydro-, ac...	144	C7H12O3	000637-64-9	47
5	Butanoic acid, anhydride	158	C8H14O3	000106-31-0	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
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Instrument : BNA_P
ClientSampleId : F2D36

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

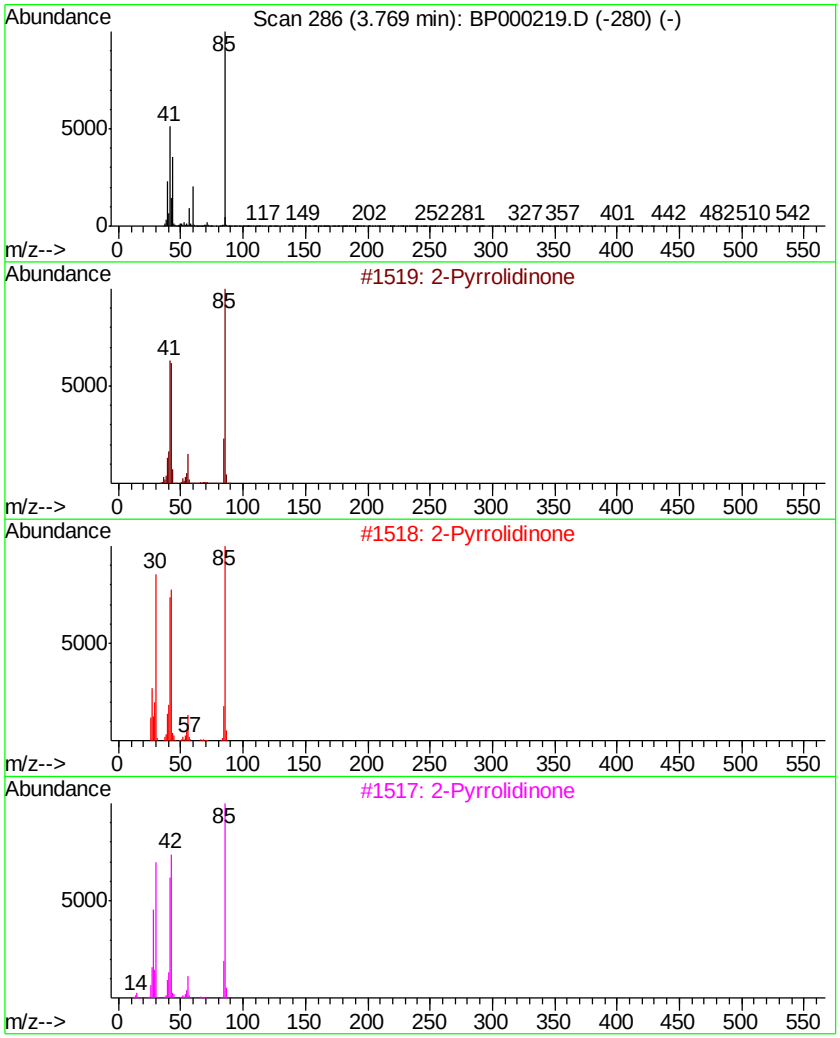
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

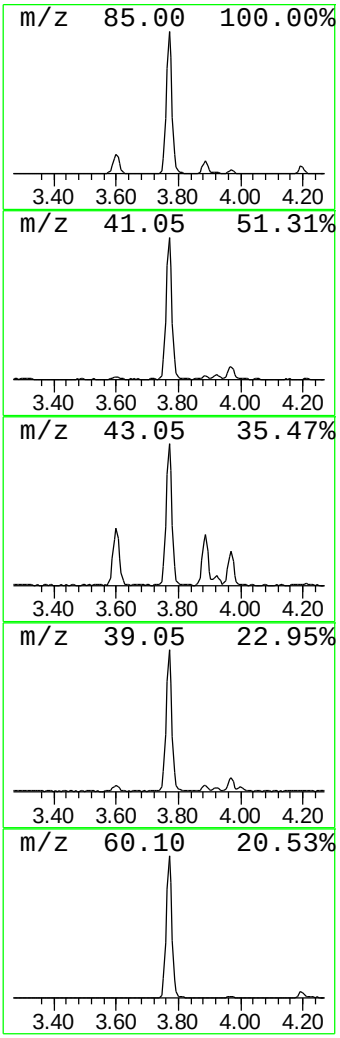
****

Peak Number 3 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	4.88 ng/ul	475539	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	42
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	42
4	2-Furanmethanol, tetrahydro-5-me...	116	C6H12O2	054774-28-6	9
5	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	9





Library Search Compound Report

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Acq On : 12 Sep 2019 15:40
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

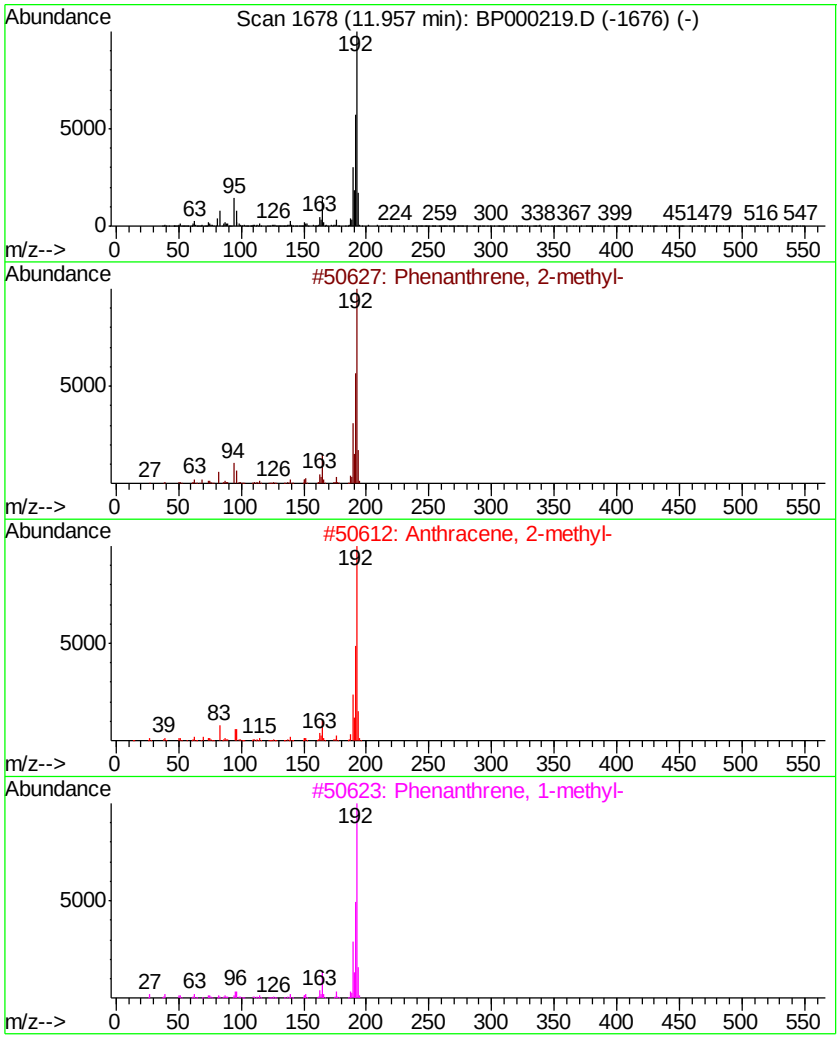
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

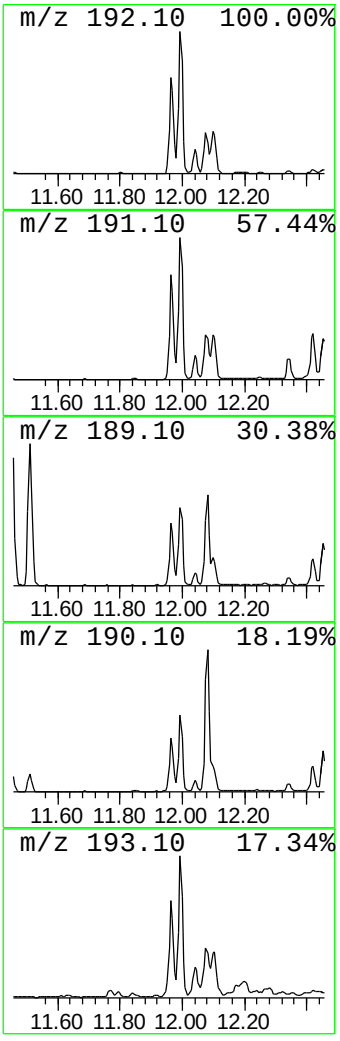
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.96 ng/ul	855913	Phenanthrene-d10	11.45

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	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

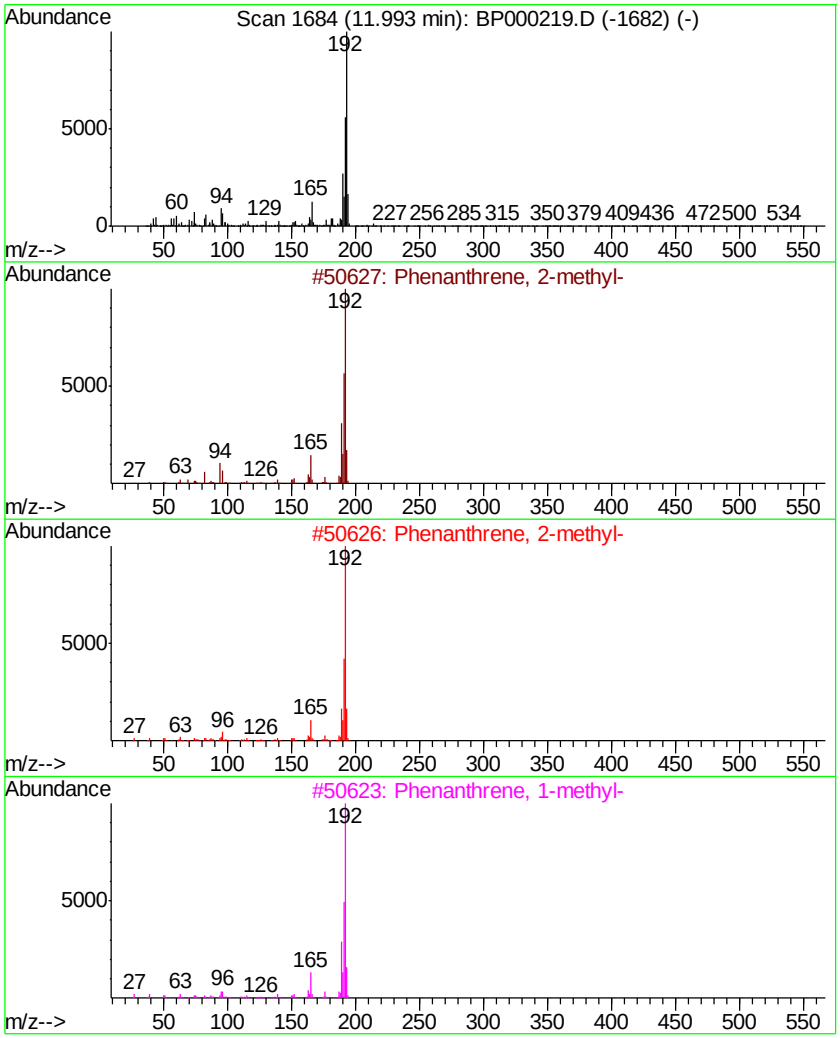
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

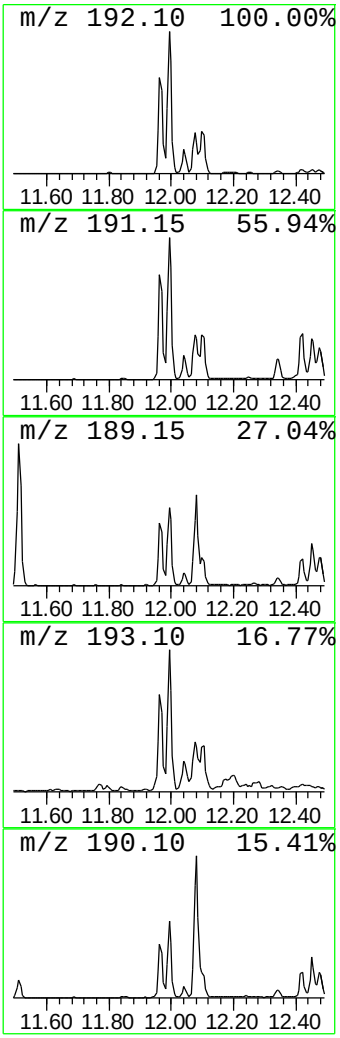
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	8.73 ng/ul	1506390	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, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
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

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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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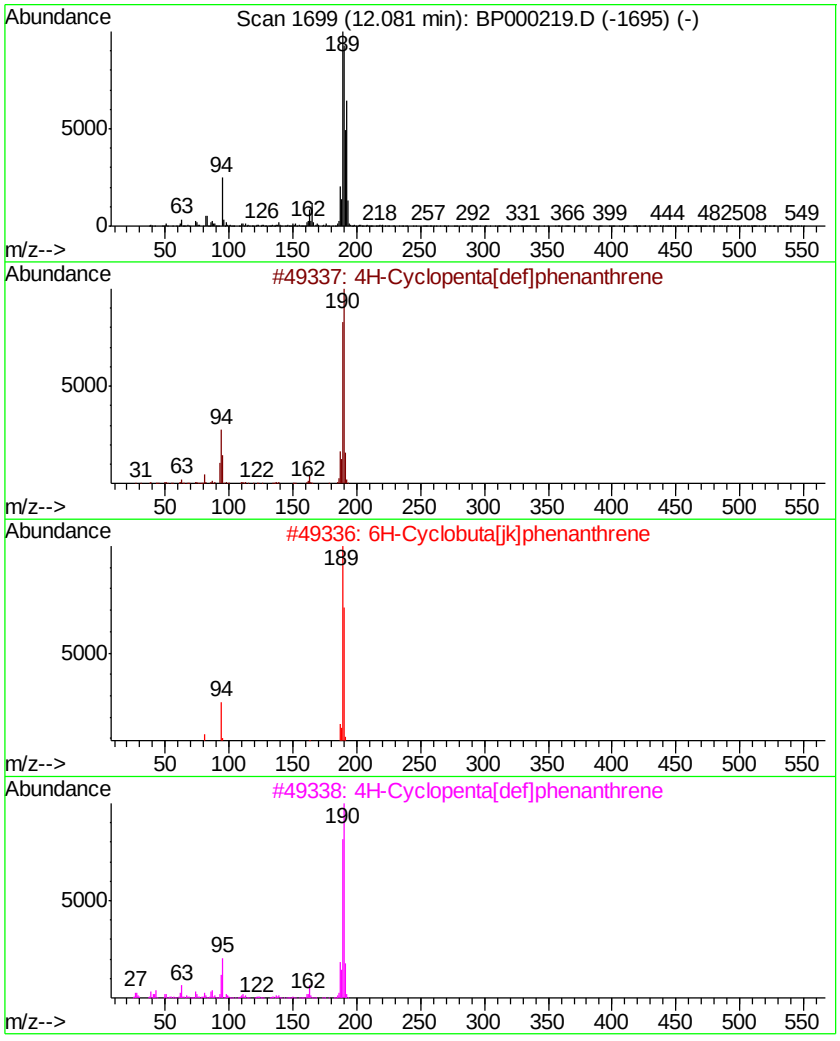
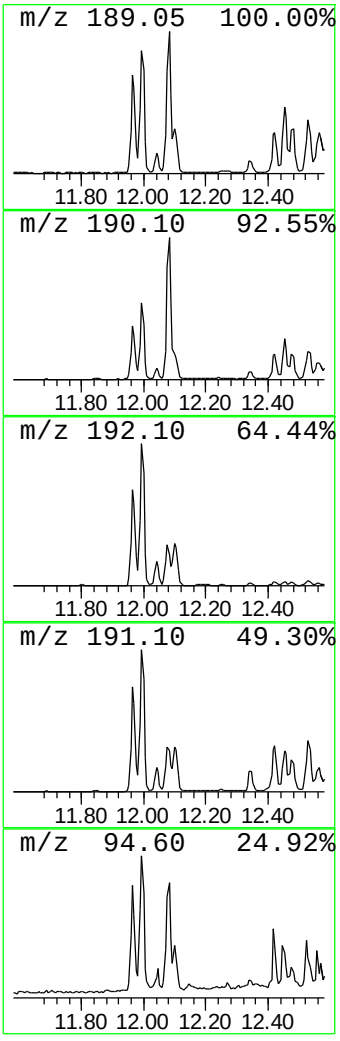
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	4.15 ng/ul	715593	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Methyl diselenide	190	C2H6Se2	007101-31-7	41
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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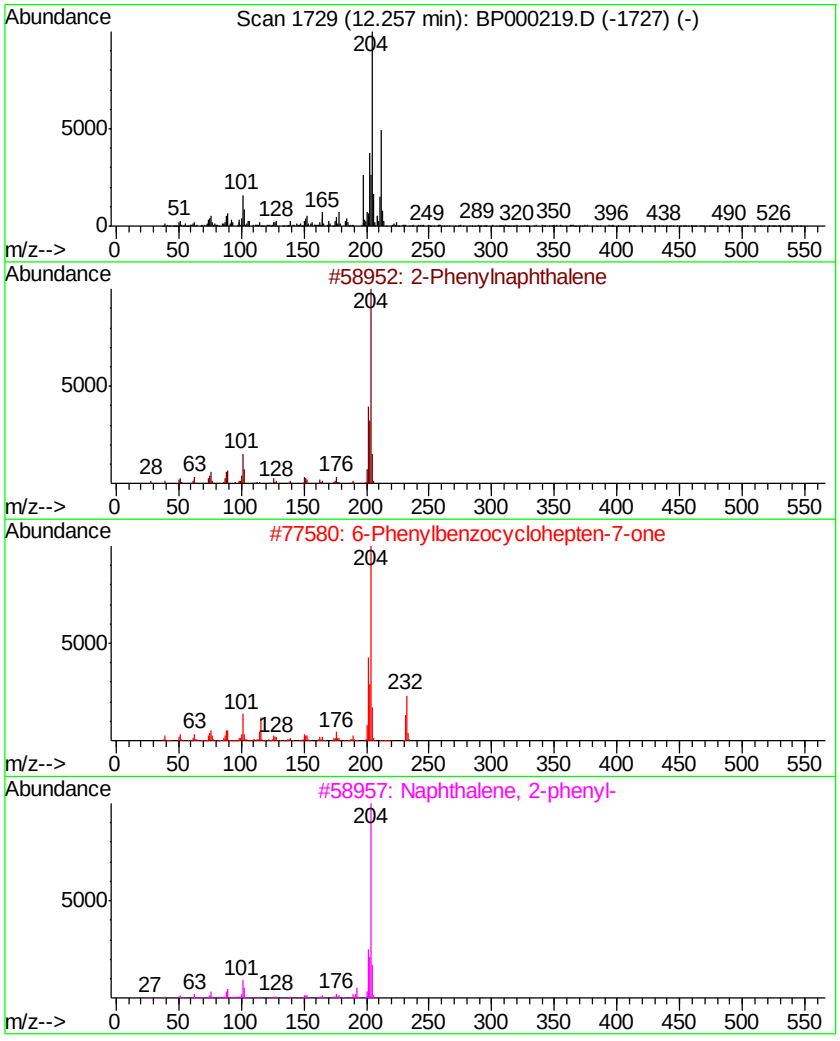
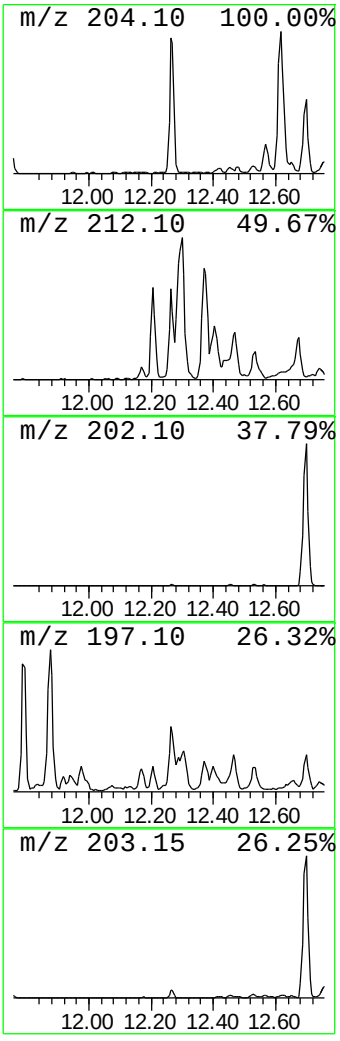
Peak Number 7 2-Phenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.02 ng/ul	348141	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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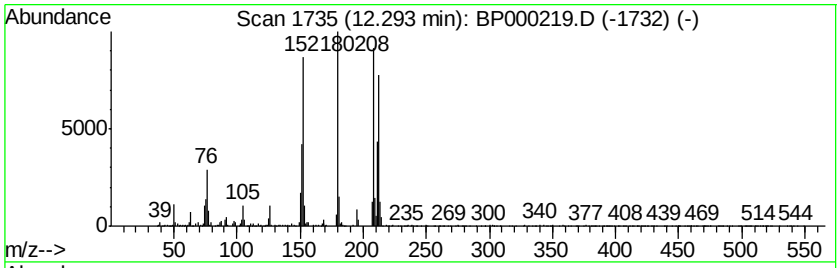
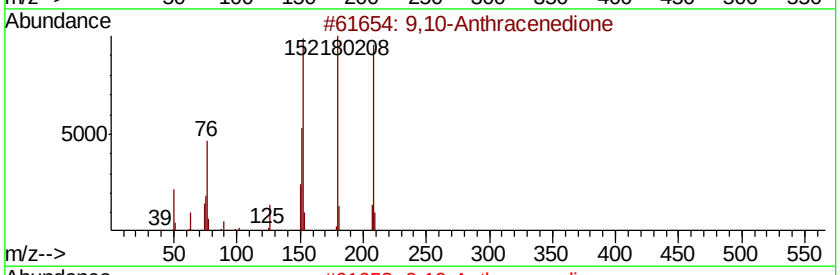
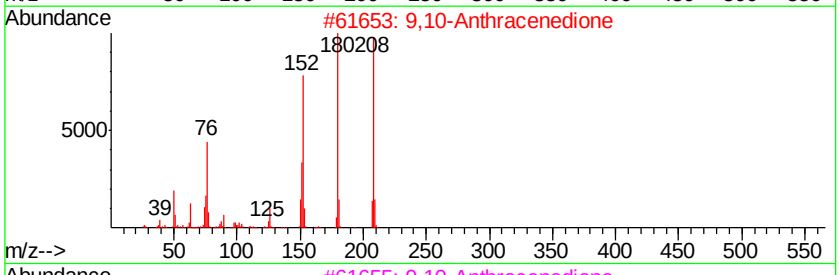
Peak Number 8 9,10-Anthracenedione Concentration Rank 18

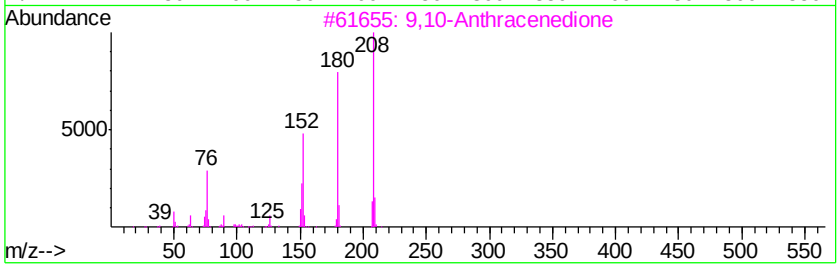
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.75 ng/ul	475302	Phenanthrene-d10	11.45

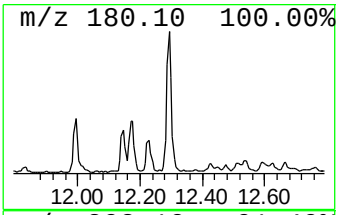
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46

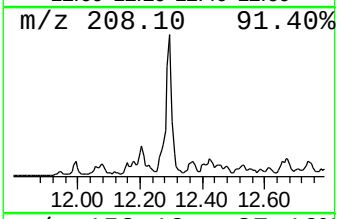


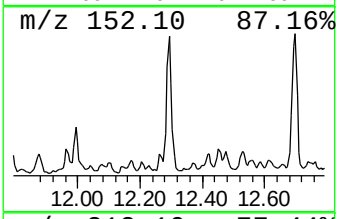


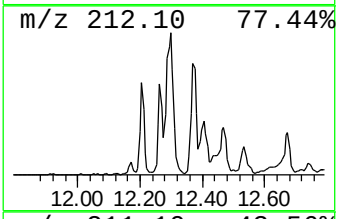


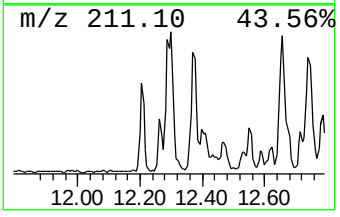












Library Search Compound Report

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Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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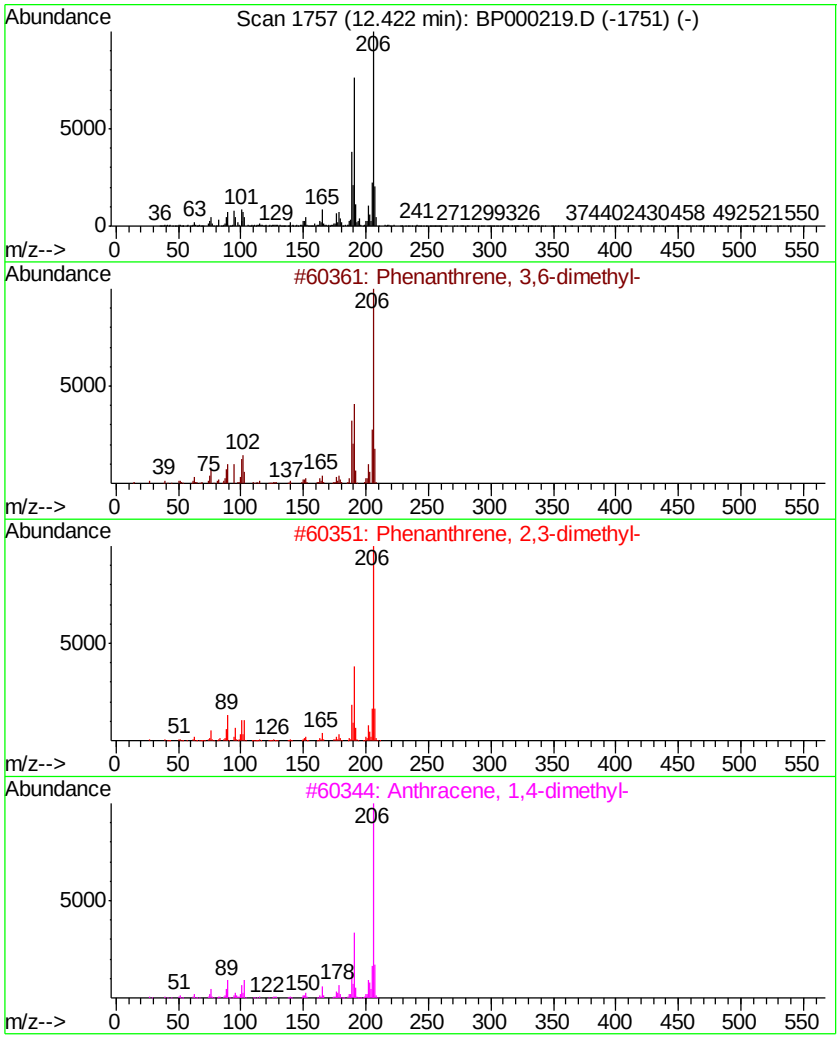
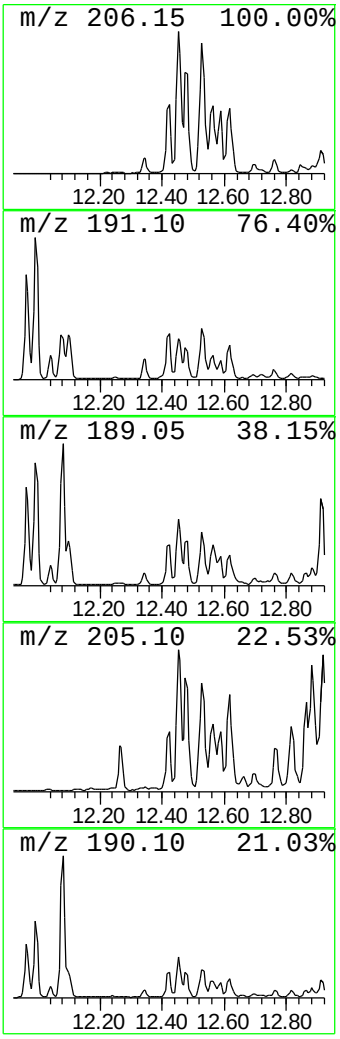
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.95 ng/ul	508821	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83





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Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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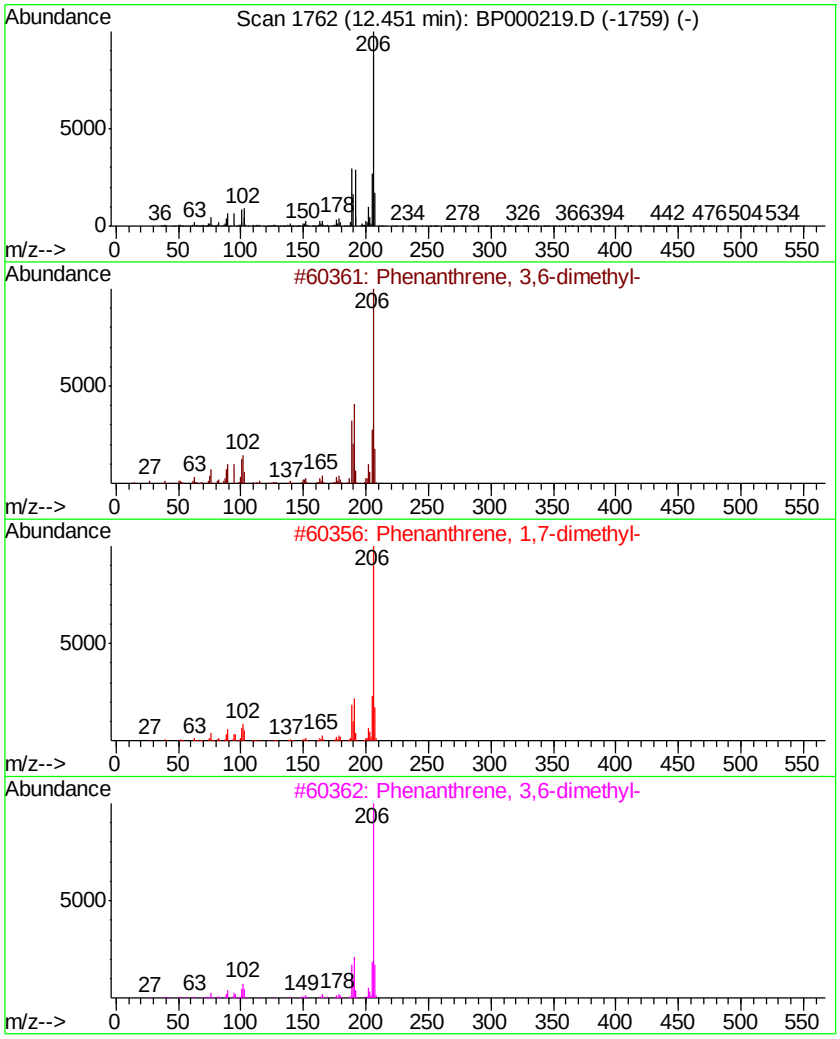
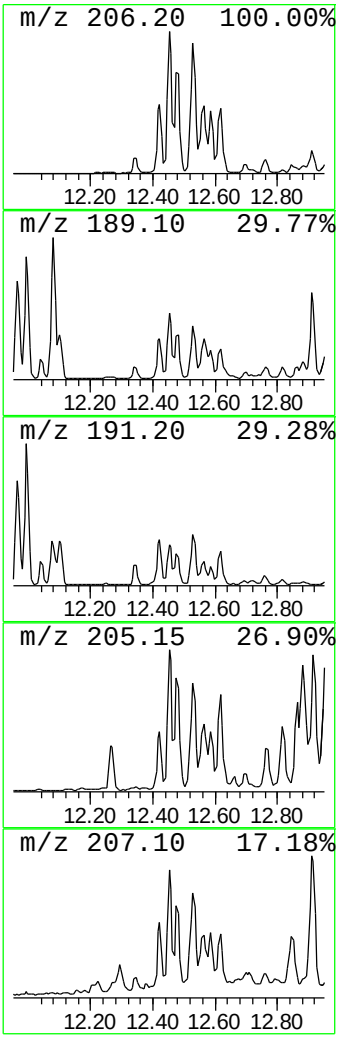
Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.20 ng/ul	551903	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Library Search Compound Report

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Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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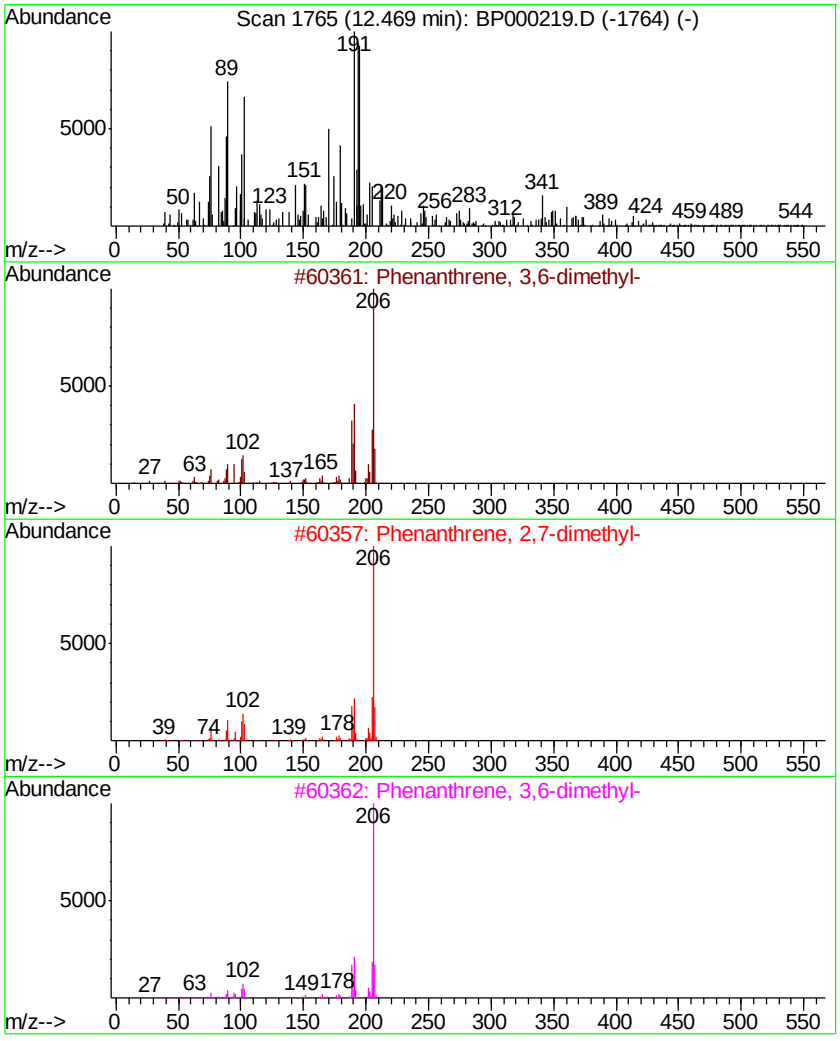
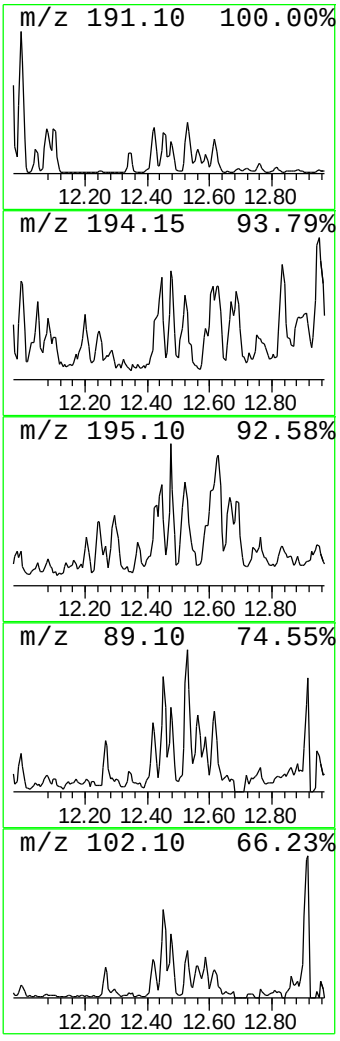
Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.69 ng/ul	463794	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.17 ng/ul	719600	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
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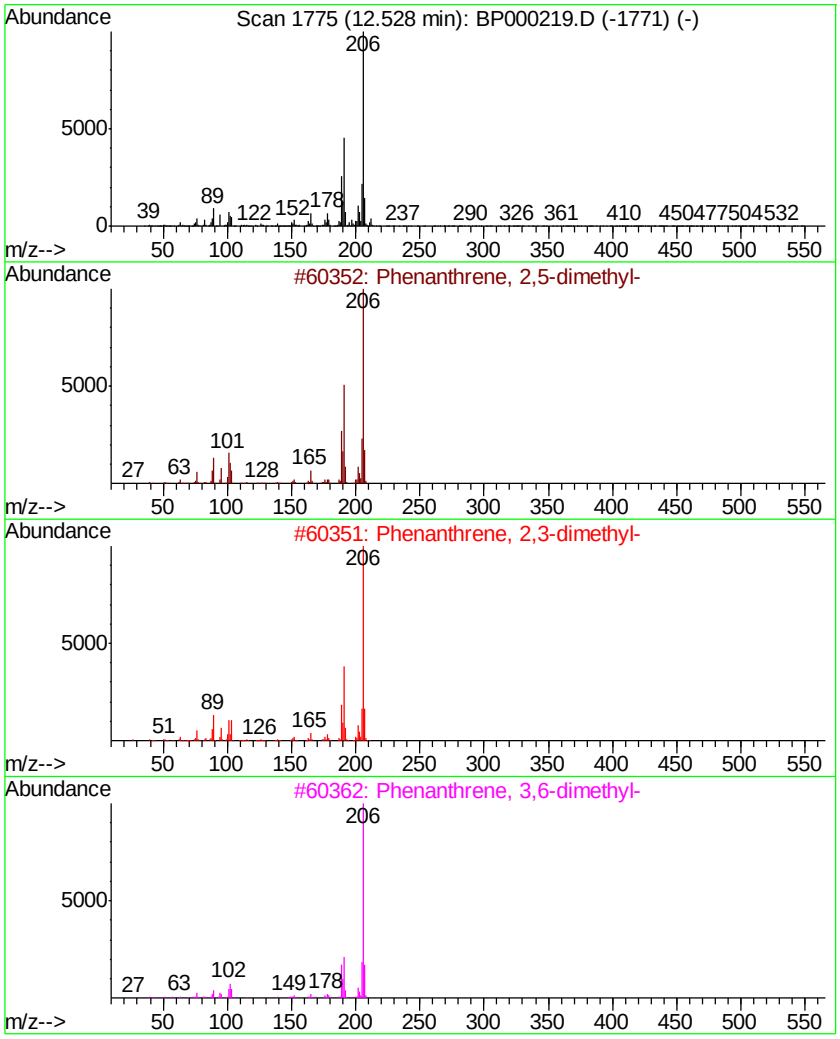

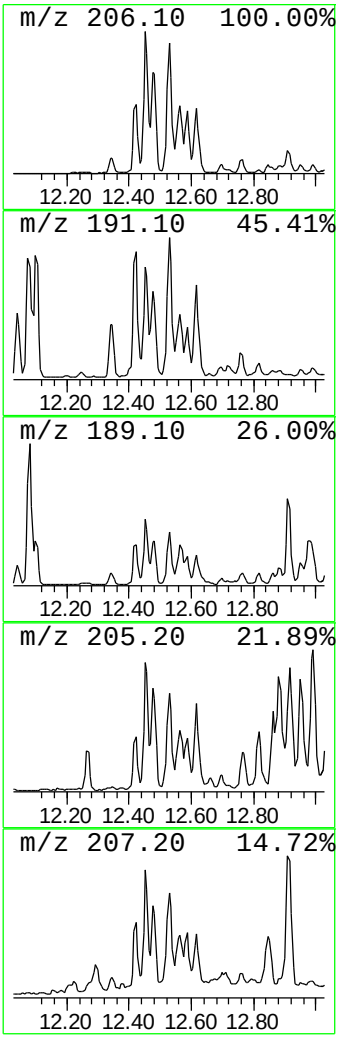

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Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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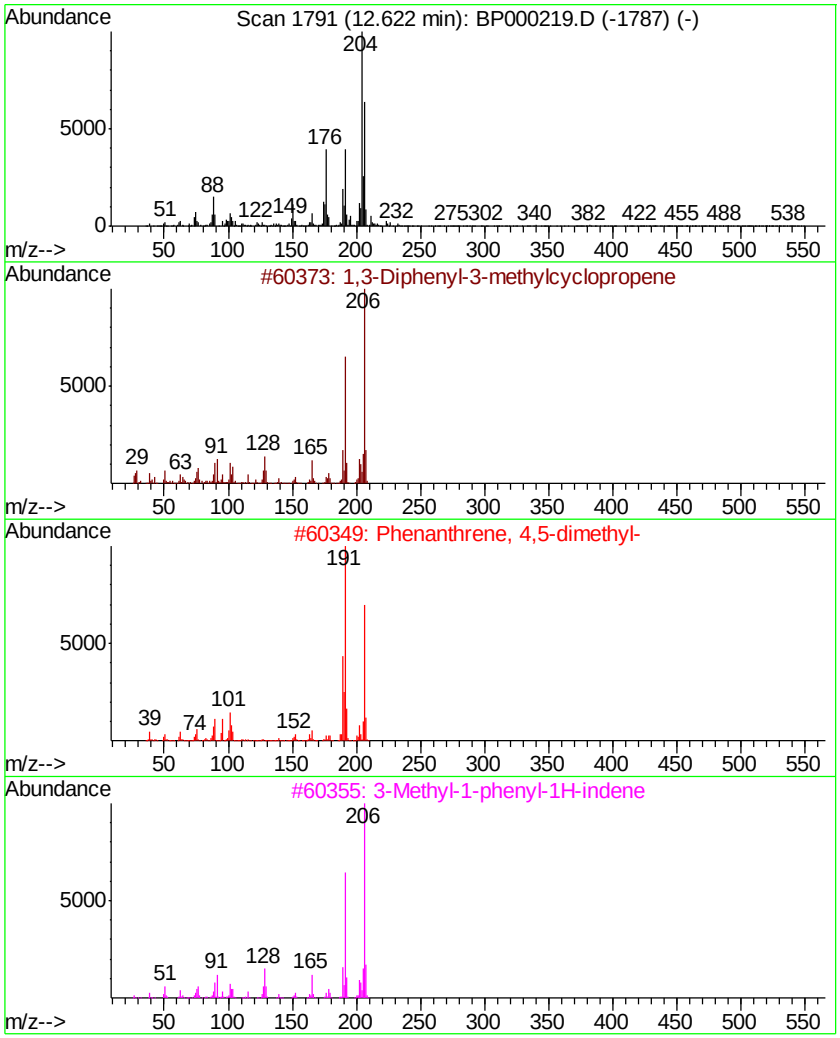
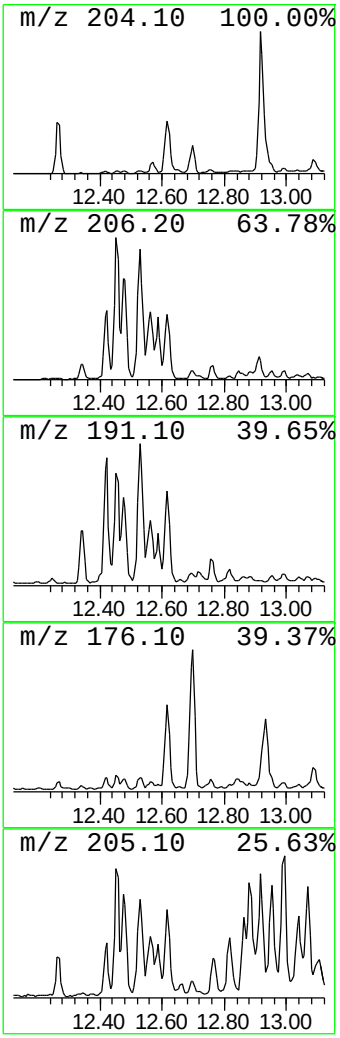
Peak Number 13 1,3-Diphenyl-3-methylcyclop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.33 ng/ul	573801	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	86
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	86
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86





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Misc :
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ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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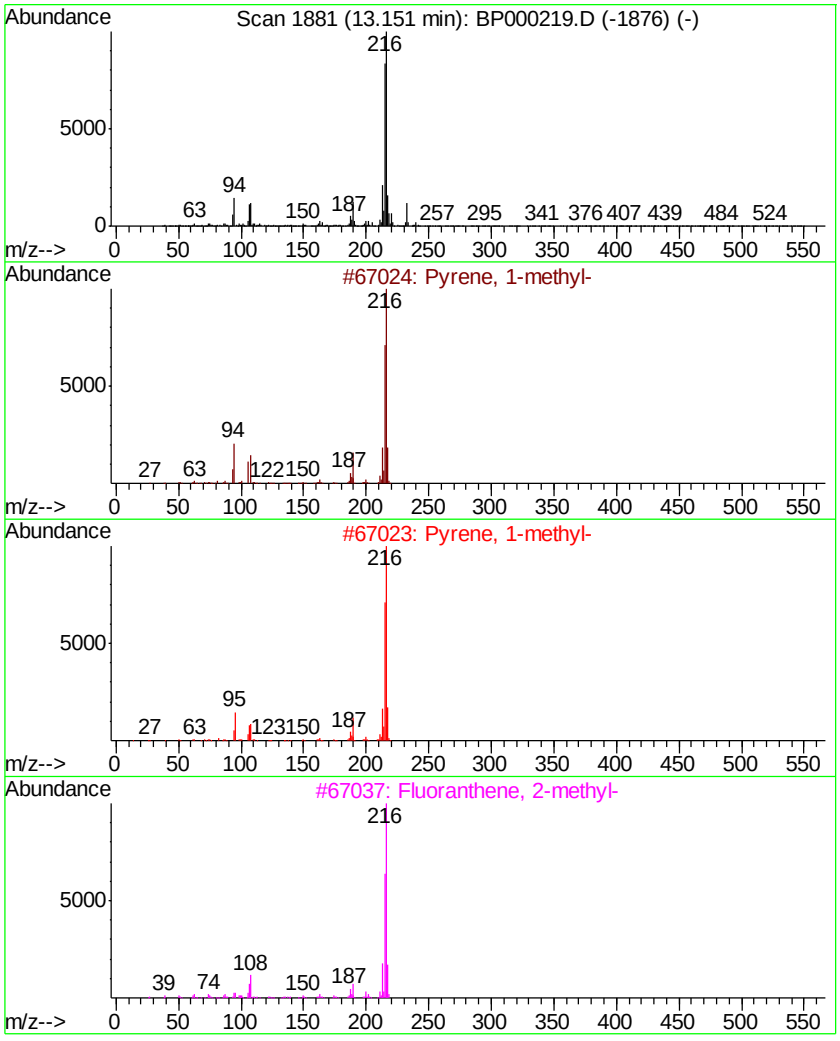
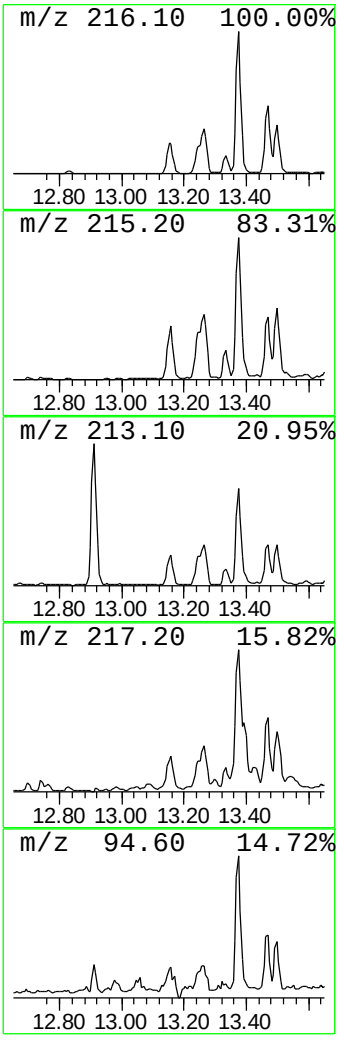
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.22 ng/ul	1104720	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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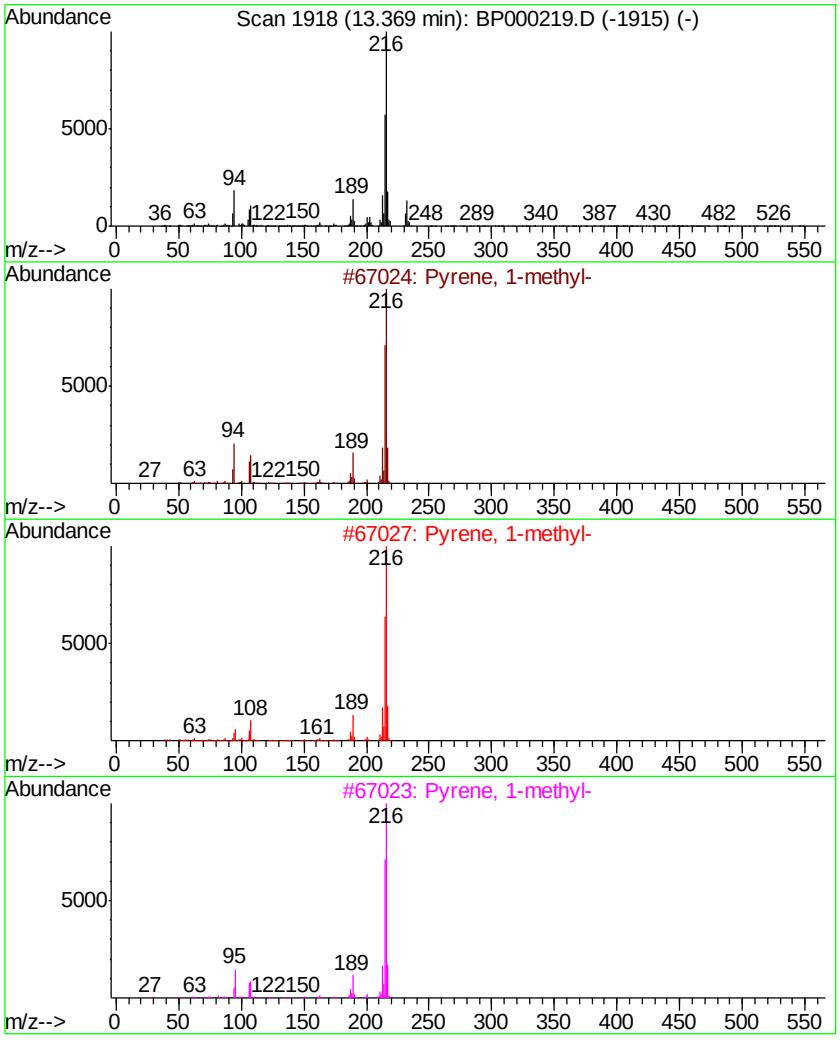
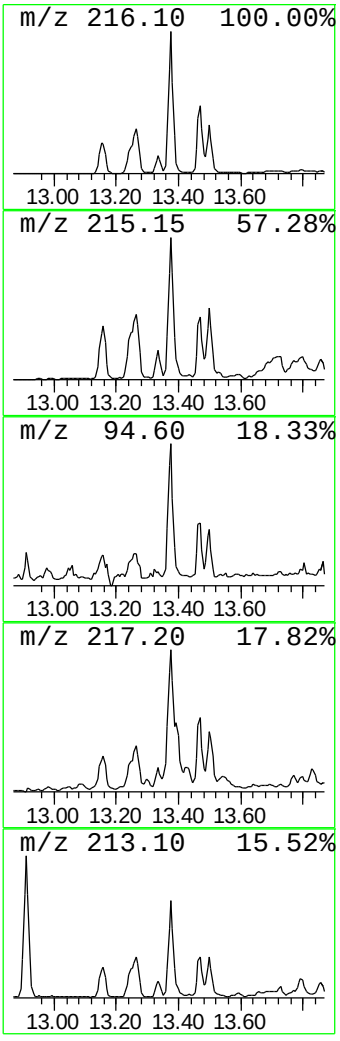
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	5.89 ng/ul	2930680	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	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95





Library Search Compound Report

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Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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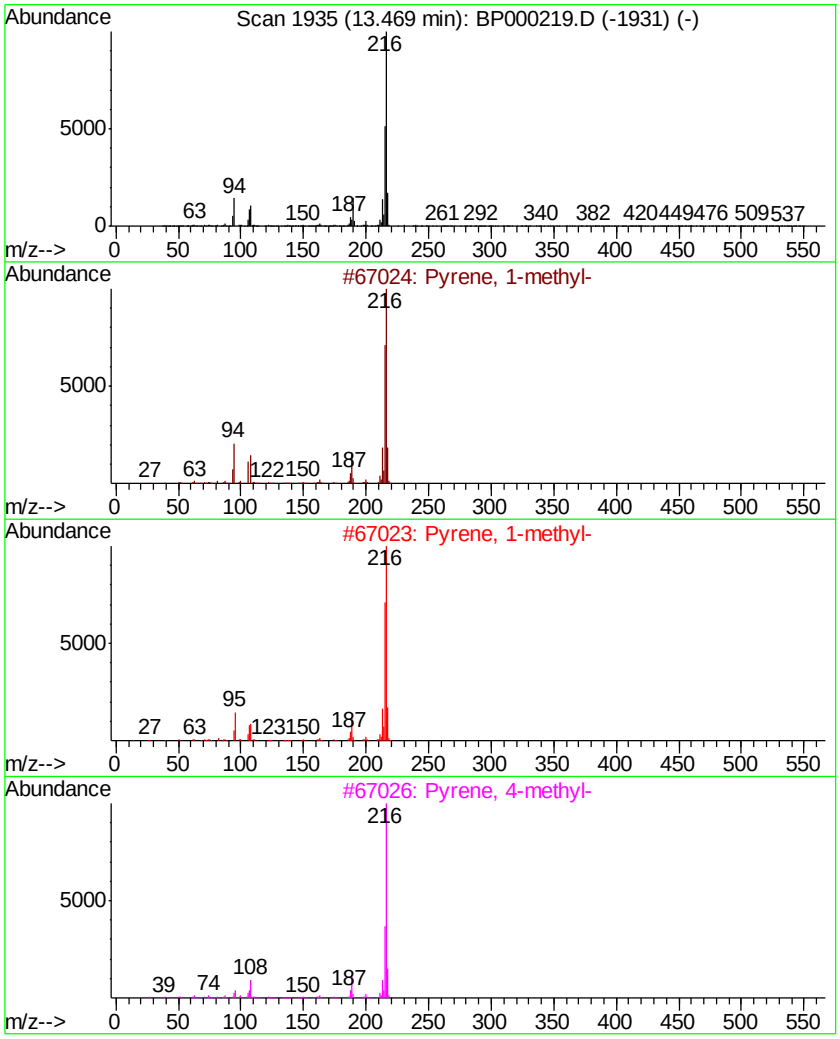
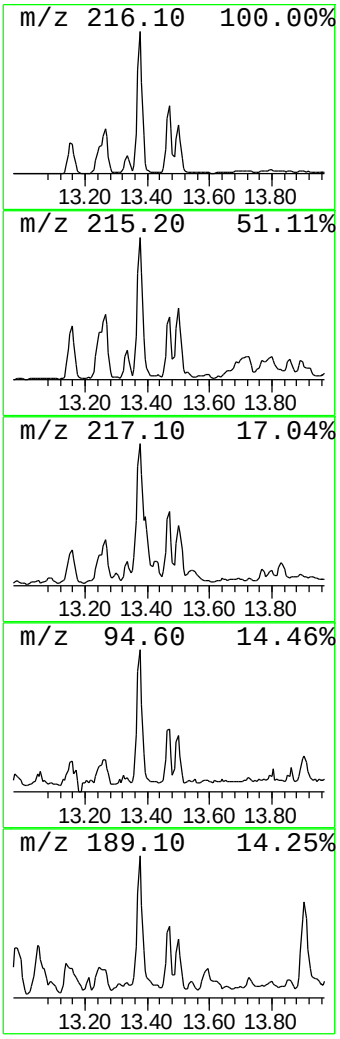
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.16 ng/ul	1073830	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, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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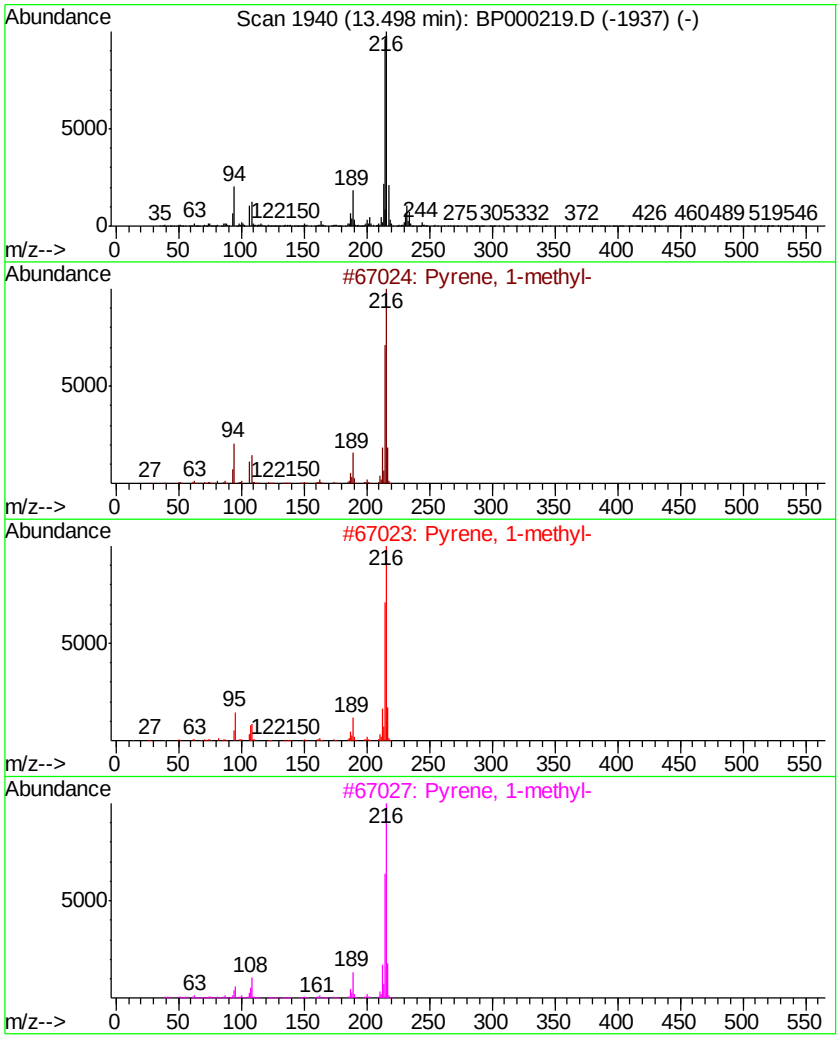
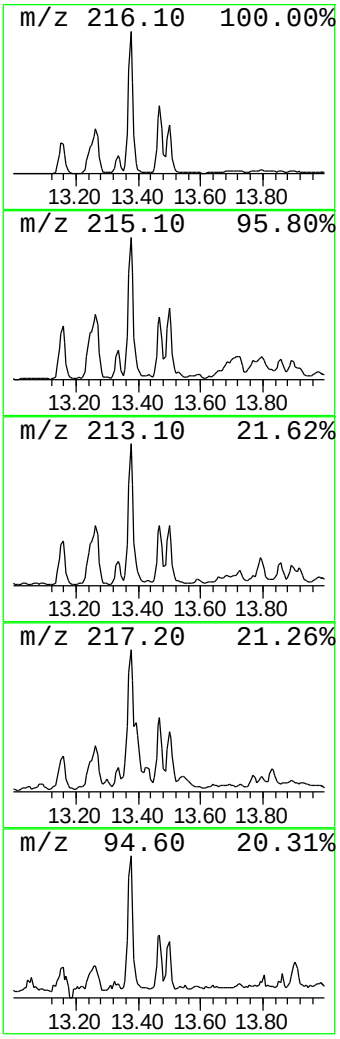
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.07 ng/ul	1028130	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	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





Library Search Compound Report

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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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Quant Title : SVOA CALIBRATION

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

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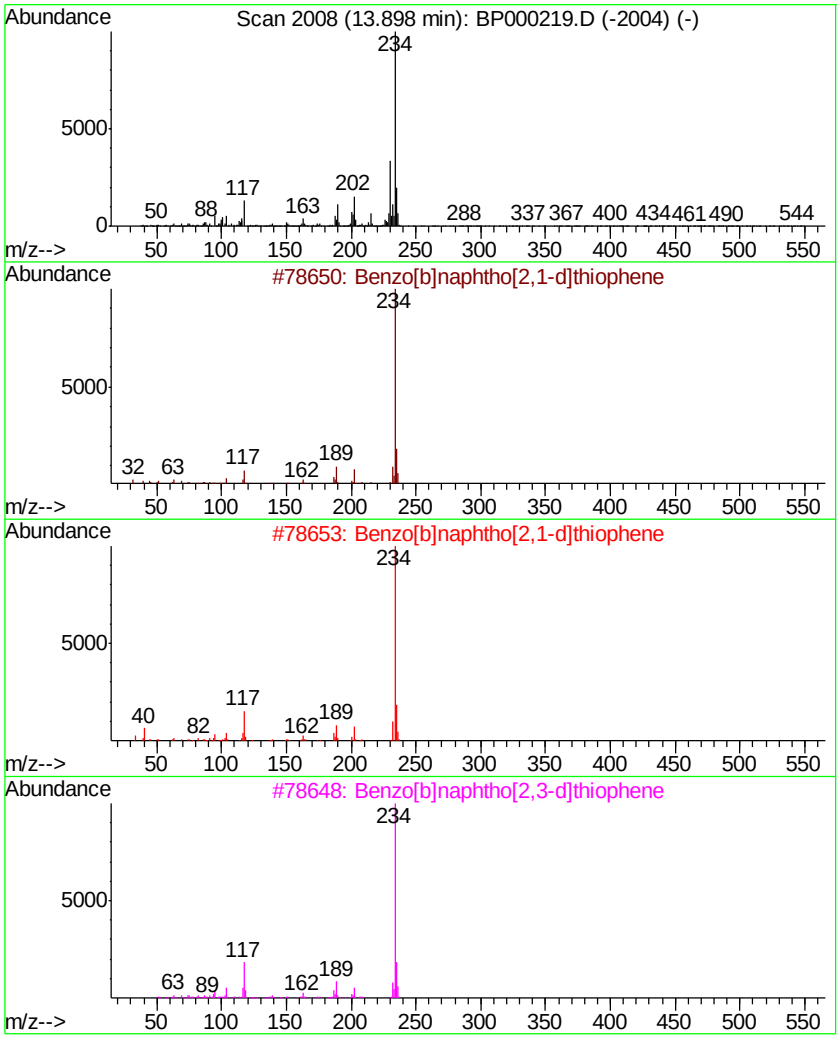
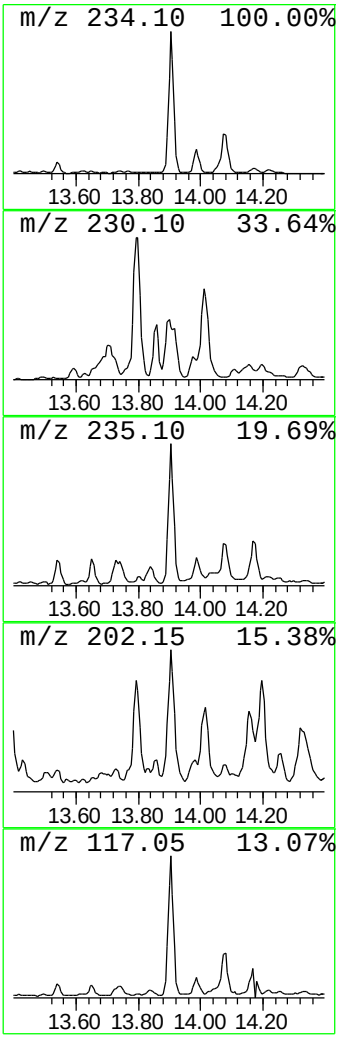
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	7.67 ng/ul	3814140	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	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81





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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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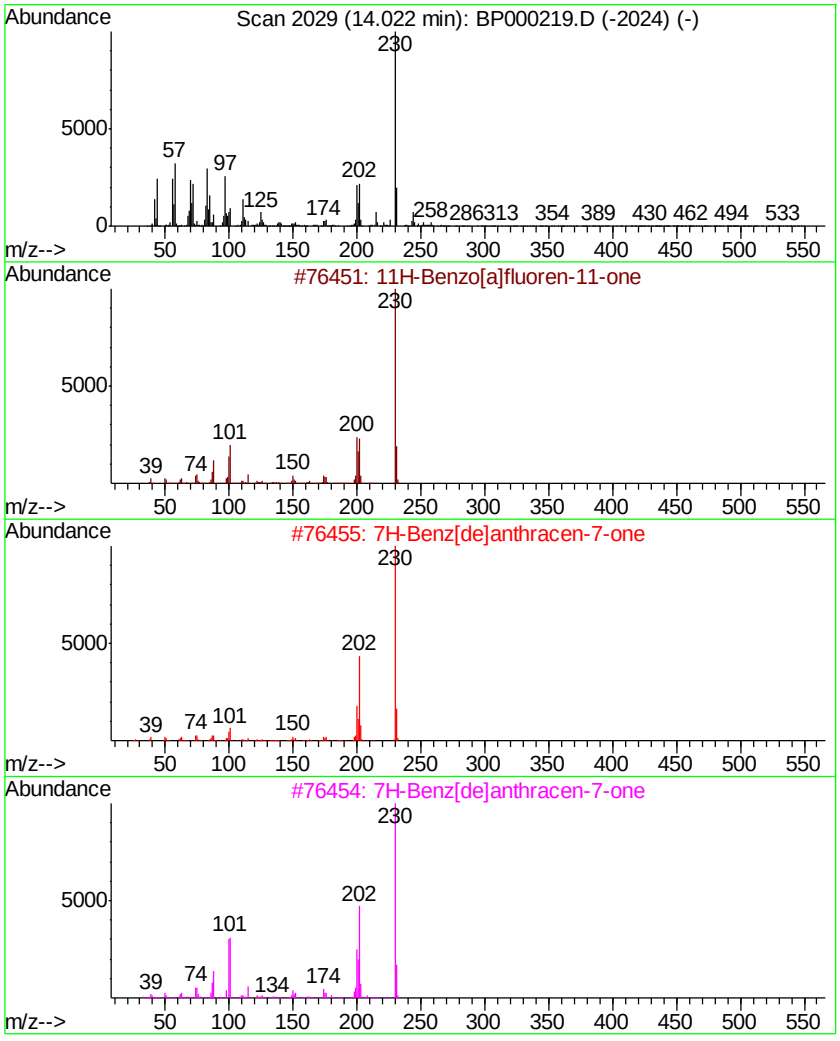
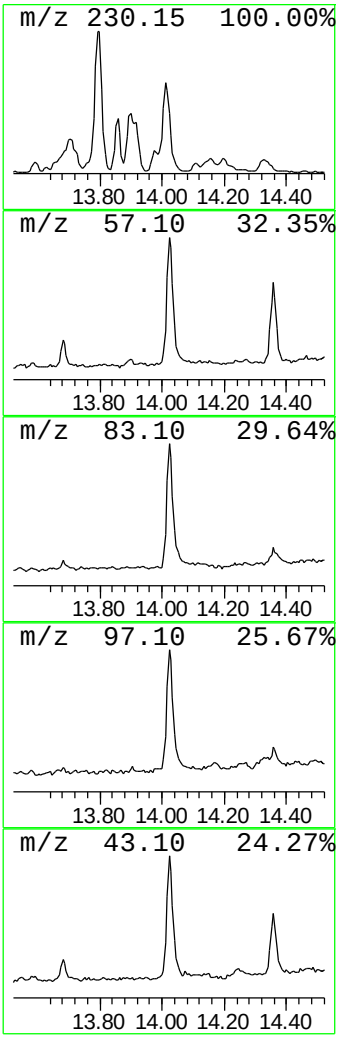
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.95 ng/ul	1469150	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	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	64





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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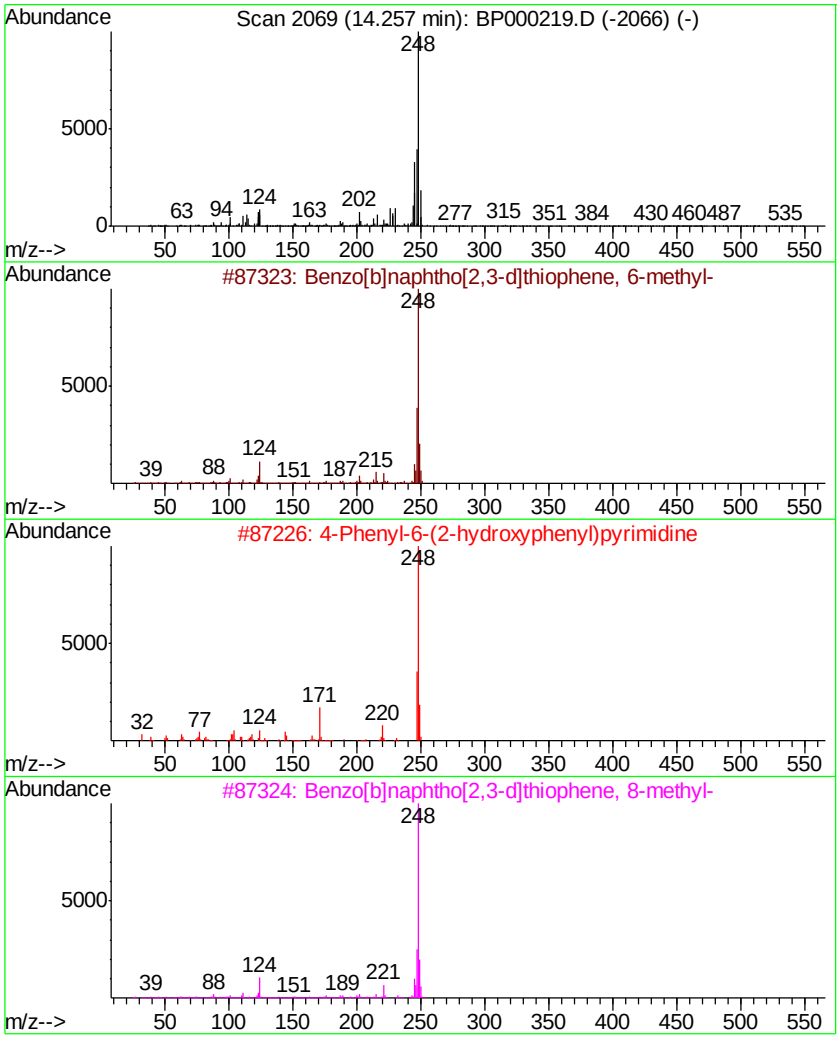
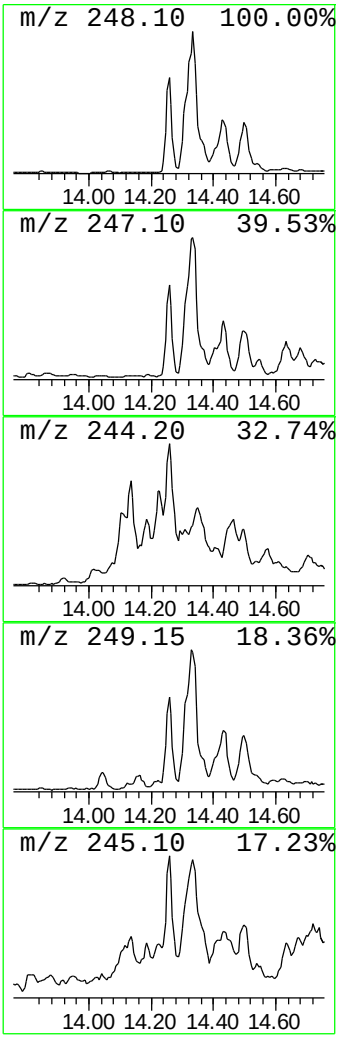
Peak Number 21 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.64 ng/ul	1312230	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	86
2	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	50
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	49
4	1-Iodo-3,4-methylenedioxybenzene	248	C7H5IO2	005876-51-7	47
5	p-Cyanostyryl 6-methyl-3-pyridyl...	248	C16H12N2O	004637-01-8	40





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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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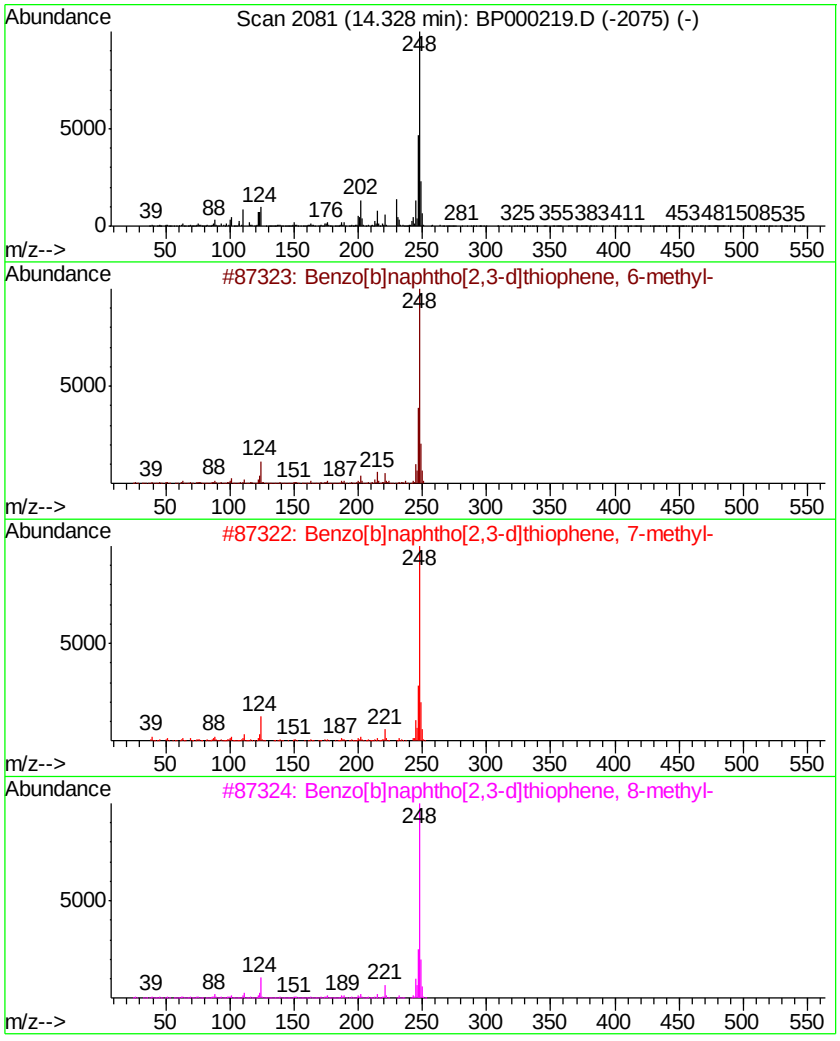
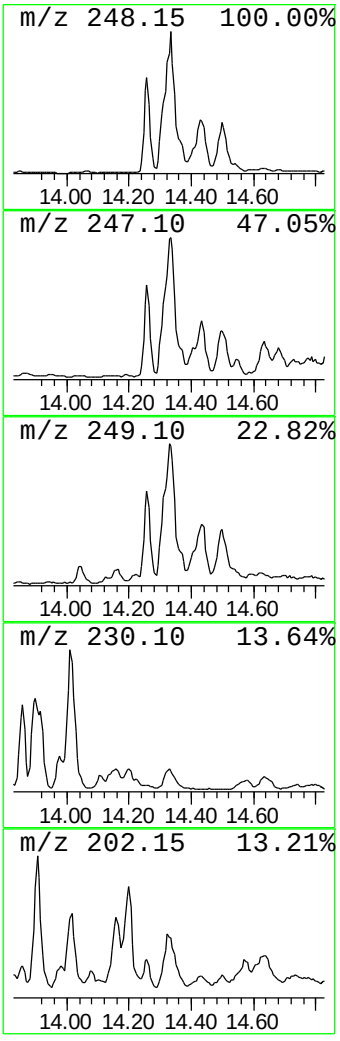
Peak Number 22 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	5.37 ng/ul	2671780	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	93
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	87
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	76
4	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	59
5	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	59





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Sample : K4634-18
Misc :
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Instrument : BNA_P
ClientSampleId : F2D36

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

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

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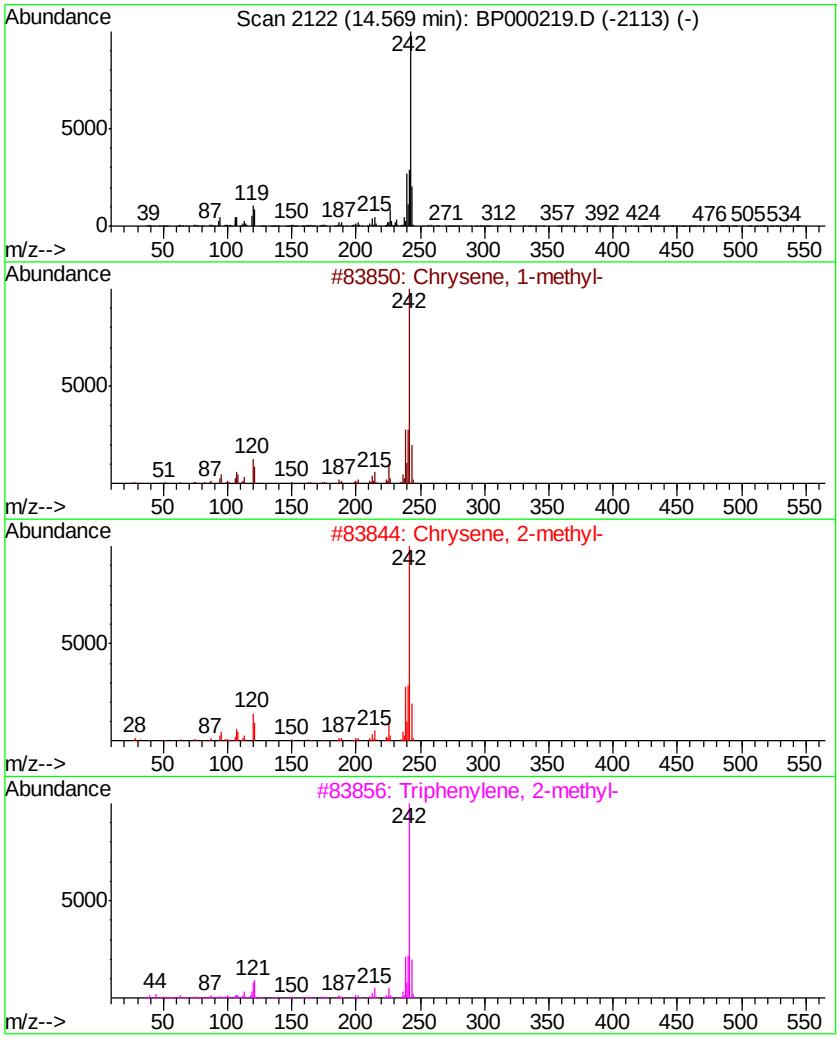
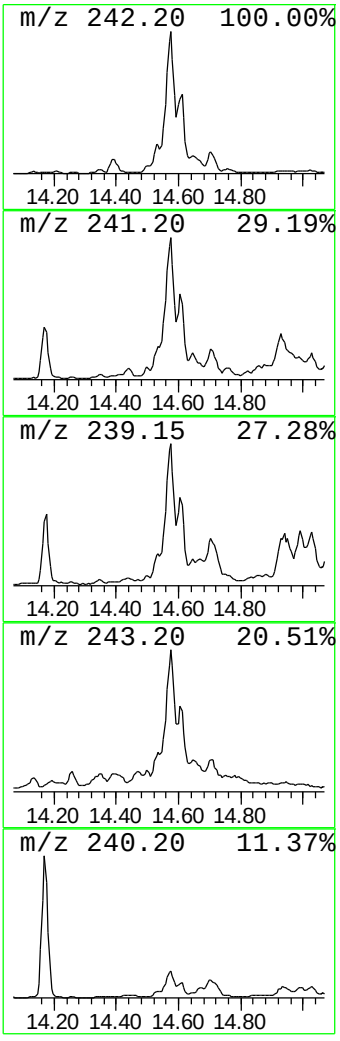
Peak Number 23 Chrysene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	11.63 ng/ul	5785600	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	92
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





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Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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

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

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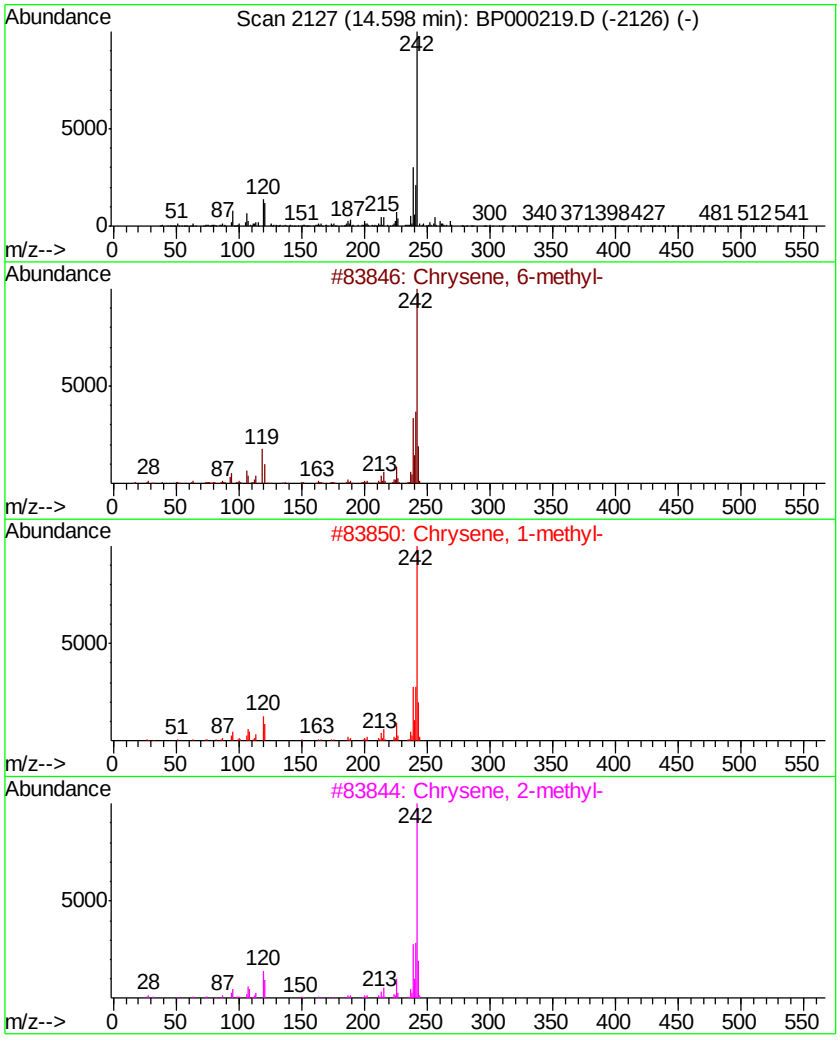
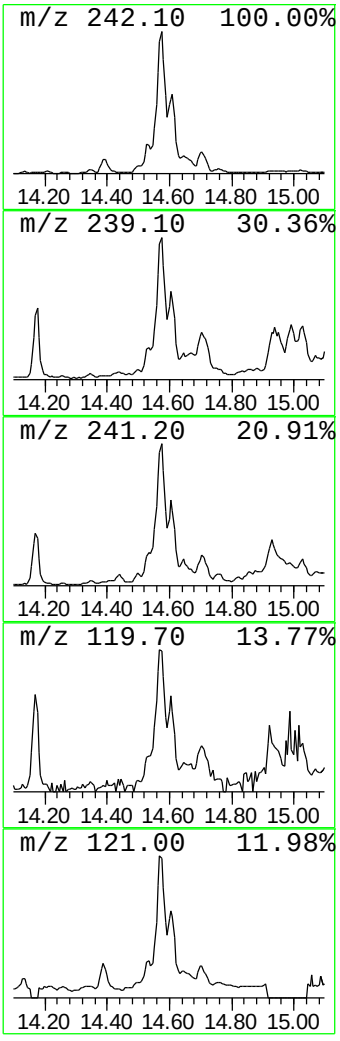
Peak Number 24 Chrysene, 6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.73 ng/ul	1360620	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	83
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	83
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76





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Instrument : BNA_P
ClientSampleId : F2D36

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

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

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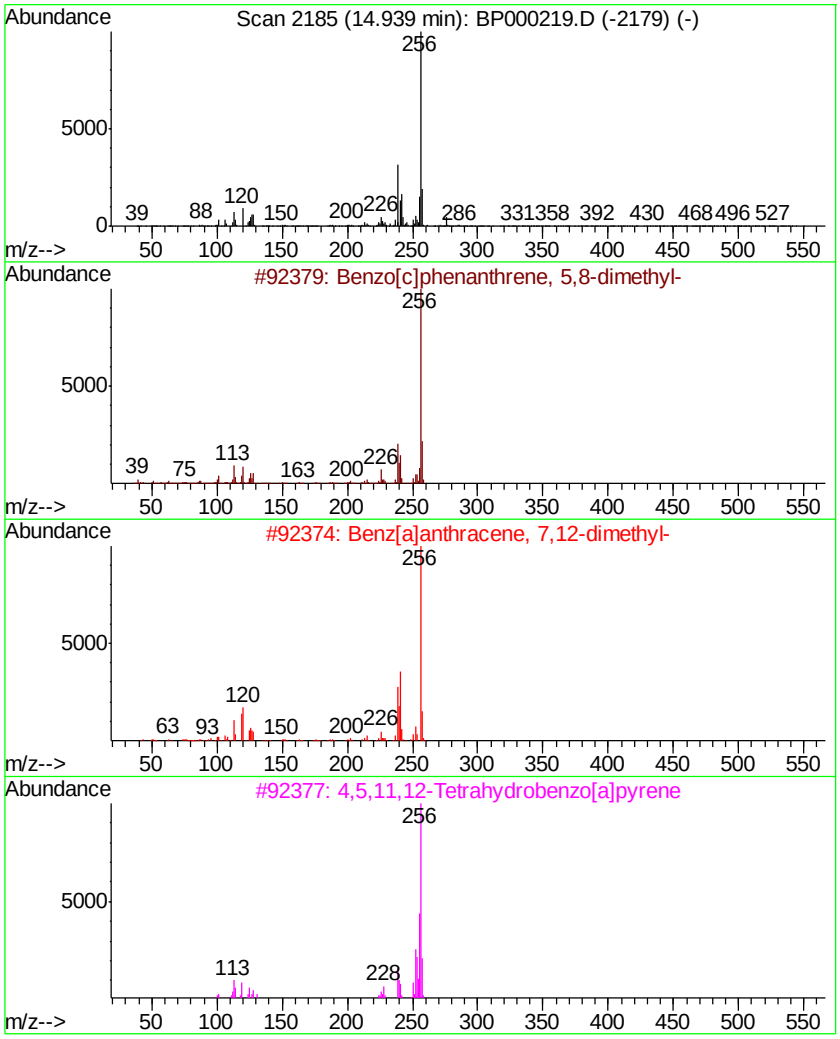
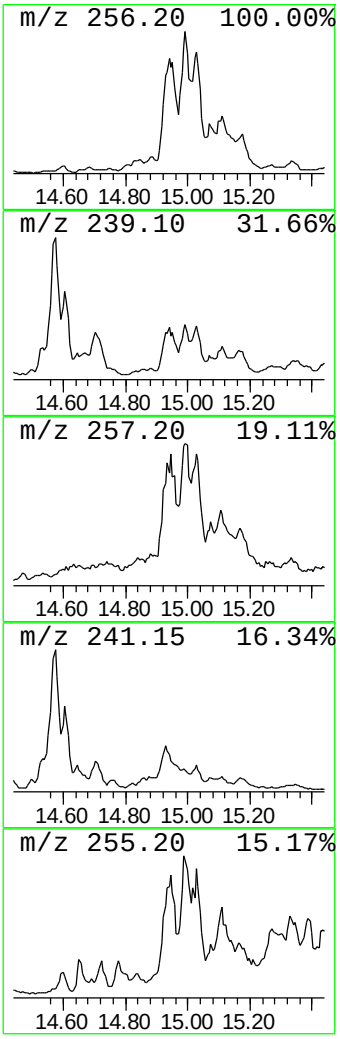
Peak Number 25 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	4.32 ng/ul	2149630	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	76
3	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	59
4	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	59
5	Ferrocene, 1,2,3,4,5-pentamethyl-	256	C15H20Fe	083928-47-6	53





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Quant Title : SVOA CALIBRATION

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

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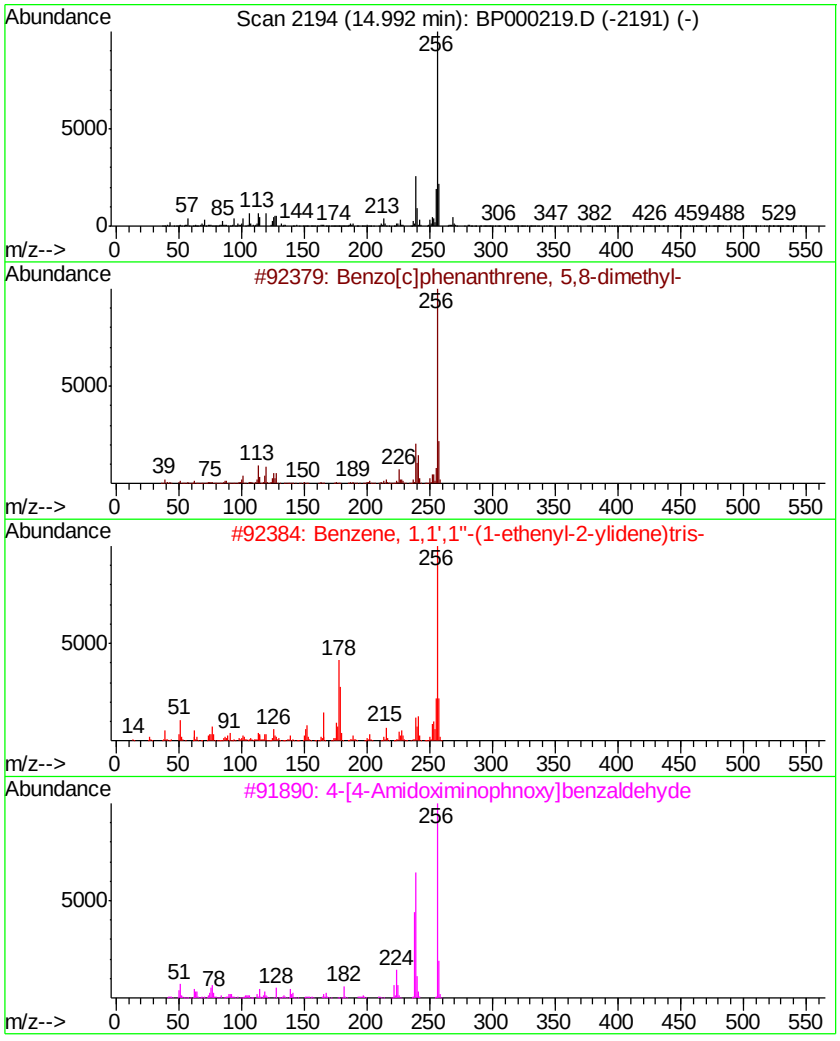
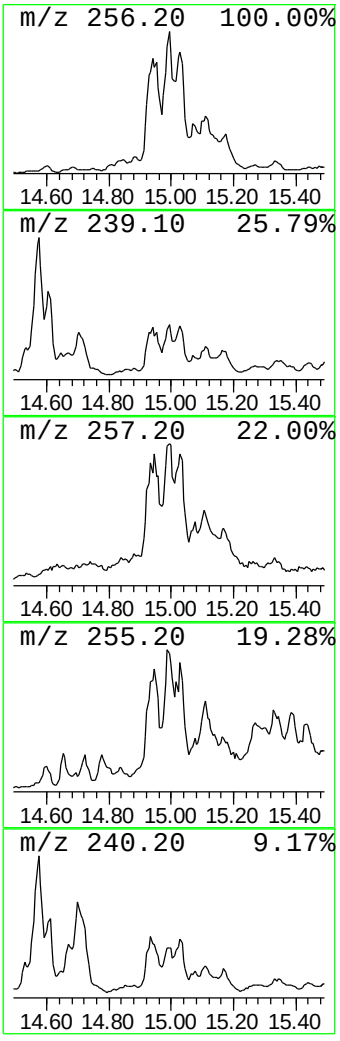
Peak Number 26 Benzene, 1,1',1''-(1-etheny... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.28 ng/ul	696852	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	90
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	72
3	4-[4-Amidoximinophnoxy]benzaldehyde	256	C14H12N2O3	1000212-42-7	59
4	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	59
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	53





Tentatively Identified Compound (LSC) summary

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Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D36

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	184.3	ng/ul	17953300	1	6.89	1948560	20.0
Furan, tetrahydro...	2.28	2.2	ng/ul	214538	1	6.89	1948560	20.0
unknown-01	3.77	4.9	ng/ul	475539	1	6.89	1948560	20.0
Phenanthrene, 2-m...	11.96	5.0	ng/ul	855913	4	11.45	3450730	20.0
Phenanthrene, 1-m...	11.99	8.7	ng/ul	1506390	4	11.45	3450730	20.0
4H-Cyclopenta[def...	12.08	4.2	ng/ul	715593	4	11.45	3450730	20.0
2-Phenylnaphthalene	12.26	2.0	ng/ul	348141	4	11.45	3450730	20.0
9,10-Anthracenedione	12.29	2.8	ng/ul	475302	4	11.45	3450730	20.0
Phenanthrene, 3,6...	12.42	3.0	ng/ul	508821	4	11.45	3450730	20.0
Phenanthrene, 1,7...	12.45	3.2	ng/ul	551903	4	11.45	3450730	20.0
Phenanthrene, 2,7...	12.47	2.7	ng/ul	463794	4	11.45	3450730	20.0
Phenanthrene, 2,5...	12.53	4.2	ng/ul	719600	4	11.45	3450730	20.0
1,3-Diphenyl-3-me...	12.62	3.3	ng/ul	573801	4	11.45	3450730	20.0
Pyrene, 1-methyl-	13.15	2.2	ng/ul	1104720	5	14.17	9950980	20.0
Pyrene, 4-methyl-	13.37	5.9	ng/ul	2930680	5	14.17	9950980	20.0
Pyrene, 2-methyl-	13.47	2.2	ng/ul	1073830	5	14.17	9950980	20.0
Fluoranthene, 2-m...	13.50	2.1	ng/ul	1028130	5	14.17	9950980	20.0
Benzo[b]naphtho[2...	13.90	7.7	ng/ul	3814140	5	14.17	9950980	20.0
11H-Benzo[a]fluor...	14.02	3.0	ng/ul	1469150	5	14.17	9950980	20.0
Benzo[b]naphtho[2...	14.26	2.6	ng/ul	1312230	5	14.17	9950980	20.0
Benzo[b]naphtho[2...	14.33	5.4	ng/ul	2671780	5	14.17	9950980	20.0
Chrysene, 1-methyl-	14.57	11.6	ng/ul	5785600	5	14.17	9950980	20.0
Chrysene, 6-methyl-	14.60	2.7	ng/ul	1360620	5	14.17	9950980	20.0
Benzo[c]phenanthr...	14.94	4.3	ng/ul	2149630	5	14.17	9950980	20.0
Benzene, 1,1',1''...	14.99	2.3	ng/ul	696852	6	15.75	6111370	20.0