LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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	8	14	22	rVB	2552249	3241145	32.91%	3.173%
2	2.287	30	34	42	rVB	21288	31815	0.32%	0.031%
3	3.775	282	287	293	rBV	23023	31412	0.32%	0.031%
4	4.005	317	326	334	rBV	982273	1220928	12.40%	1.195%
5	6.511	748	752	759	rBV2	361158	341844	3.47%	0.335%
6	6.569	759	762	774	rVV	301780	253828	2.58%	0.249%
7	6.658	774	777	781	rVV	410098	329966	3.35%	0.323%
8	6.893	814	817	821	rBV	3013740	2484744	25.23%	2.433%
9	7.258	876	879	884	rBV	474842	375058	3.81%	0.367%
10	7.446	908	911	917	rVB	363796	277955	2.82%	0.272%
11	7.775	963	967	971	rBV	266425	204959	2.08%	0.201%
12	8.016	1005	1008	1015	rBV	463228	364241	3.70%	0.357%
13	8.181	1032	1036	1039	rBV	4177949	3287563	33.39%	3.219%
14	8.234	1042	1045	1056	rVB	146869	146454	1.49%	0.143%
15	9.534	1262	1266	1267	rBV3	22226	31007	0.31%	0.030%
16	9.628	1279	1282	1285	rBV	581236	537033	5.45%	0.526%
17	9.657	1285	1287	1290	rVB	112045	107727	1.09%	0.105%
18	9.793	1306	1310	1314	rBV	810671	748817	7.60%	0.733%
19	9.952	1333	1337	1340	rVV	3992855	3678775	37.36%	3.602%
20	9.981	1340	1342	1347	rVV	135144	121204	1.23%	0.119%
21	10.034	1349	1351	1368	rVB7	151781	448864	4.56%	0.439%
22	10.469	1422	1425	1429	rBV	868681	728821	7.40%	0.714%
23	10.540	1434	1437	1440	rBV2	30981	32489	0.33%	0.032%
24	10.740	1468	1471	1476	rVB	24588	34139	0.35%	0.033%
25	10.869	1490	1493	1497	rBV2	37645	36140	0.37%	0.035%
26	11.251	1555	1558	1564	rVB	131151	139430	1.42%	0.137%
27	11.310	1564	1568	1570	rBV3	32627	54767	0.56%	0.054%
28	11.346	1572	1574	1580	rVB	127618	131663	1.34%	0.129%
29	11.457	1589	1593	1595	rBV	4143755	3995672	40.58%	3.912%
30	11.481	1595	1597	1600	rVV	2326010	1912108	19.42%	1.872%
31	11.510	1600	1602	1604	rVV	893158	764748	7.77%	0.749%
32	11.528	1604	1605	1609	rVV	402876	296226	3.01%	0.290%
33	11.563	1609	1611	1615	rVB2	47237	45985	0.47%	0.045%
34	11.634	1621	1623	1627	rVB2	29123	30275	0.31%	0.030%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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	11.687	1627	1632	1635	rBV2	262042	275170	2.79%	0.269%
36	11.757	1641	1644	1647	rVV	53069	46167	0.47%	0.045%
37	11.793	1647	1650	1656	rVB	160507	148249	1.51%	0.145%
38	11.875	1658	1664	1668	rVB	124732	172234	1.75%	0.169%
39	11.922	1669	1672	1674	rBV	30749	32209	0.33%	0.032%
40	11.963	1676	1679	1682	rBV	566722	581039	5.90%	0.569%
41	11.993	1682	1684	1689	rVB	935841	843802	8.57%	0.826%
42	12.040	1689	1692	1695	rBV	145578	142043	1.44%	0.139%
43	12.081	1695	1699	1701	rBV2	377062	443786	4.51%	0.434%
44	12.104	1701	1703	1707	rVB	279131	240826	2.45%	0.236%
45	12.151	1707	1711	1713	rBV2	36456	58623	0.60%	0.057%
46	12.175	1713	1715	1718	rVB	45590	38461	0.39%	0.038%
47	12.204	1718	1720	1723	rBV	88117	69009	0.70%	0.068%
48	12.269	1728	1731	1733	rBV	281271	291045	2.96%	0.285%
49	12.293	1733	1735	1741	rVB3	311966	359497	3.65%	0.352%
50	12.346	1741	1744	1746	rBV	68559	60370	0.61%	0.059%
51	12.375	1746	1749	1751	rVB	77437	77615	0.79%	0.076%
52	12.422	1751	1757	1760	rBV	307299	347201	3.53%	0.340%
53	12.457	1760	1763	1765	rBV	406500	429211	4.36%	0.420%
54	12.481	1765	1767	1770	rVB	353423	298342	3.03%	0.292%
55	12.528	1771	1775	1778	rBV	472102	556580	5.65%	0.545%
56	12.563	1778	1781	1784	rVB2	132121	124242	1.26%	0.122%
57	12.587	1784	1785	1787	rVB	140580	82382	0.84%	0.081%
58	12.616	1787	1790	1794	rVB	583429	576751	5.86%	0.565%
59	12.657	1794	1797	1799	rBV	108174	93349	0.95%	0.091%
60	12.698	1799	1804	1809	rVB	5923186	6054465	61.49%	5.928%
61	12.746	1809	1812	1813	rBV	171728	182446	1.85%	0.179%
62	12.816	1822	1824	1825	rBV	65944	54916	0.56%	0.054%
63	12.845	1826	1829	1833	rVB	252978	311448	3.16%	0.305%
64	12.881	1833	1835	1837	rBV2	74651	47629	0.48%	0.047%
65	12.934	1837	1844	1849	rBV	5480466	7512980	76.30%	7.356%
66	12.993	1849	1854	1857	rVB3	364100	550916	5.59%	0.539%
67	13.051	1857	1864	1866	rBV2	296124	495632	5.03%	0.485%
68	13.157	1876	1882	1885	rBV2	539615	923265	9.38%	0.904%
69	13.210	1888	1891	1893	rVV	240264	226422	2.30%	0.222%
70	13.245	1893	1897	1904	rVB4	464931	1049369	10.66%	1.027%
71	13.310	1904	1908	1910	rBV	170670	223575	2.27%	0.219%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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	13.334	1910	1912	1914	rVB	67446	54655	0.56%	0.054%
73	13.375	1914	1919	1926	rBV2	1733900	2375319	24.12%	2.326%
74	13.469	1931	1935	1938	rBV	767080	783023	7.95%	0.767%
75	13.498	1938	1940	1944	rVB	602440	611299	6.21%	0.598%
76	13.540	1944	1947	1951	rVB4	168954	218714	2.22%	0.214%
77	13.593	1953	1956	1959	rVB2	126932	155935	1.58%	0.153%
78	13.628	1959	1962	1964	rBV2	66192	70206	0.71%	0.069%
79	13.657	1964	1967	1970	rBV3	220004	335779	3.41%	0.329%
80	13.728	1977	1979	1983	rVB4	248198	251164	2.55%	0.246%
81	13.793	1984	1990	1995	rBV	1279307	1778863	18.06%	1.742%
82	13.834	1995	1997	1998	rBV	79199	67640	0.69%	0.066%
83	13.857	1998	2001	2005	rVB	393690	429721	4.36%	0.421%
84	13.904	2005	2009	2016	rBV3	1832130	3287180	33.38%	3.218%
85	13.963	2016	2019	2020	rBV	197801	222633	2.26%	0.218%
86	14.016	2025	2028	2036	rVB	619156	906135	9.20%	0.887%
87	14.081	2036	2039	2042	rBV	254368	361420	3.67%	0.354%
88	14.169	2046	2054	2057	rBV2	4988507	9847028	100.00%	9.641%
89	14.198	2057	2059	2066	rVB	3955990	4929073	50.06%	4.826%
90	14.257	2066	2069	2074	rVB	690595	951349	9.66%	0.931%
91	14.340	2075	2083	2091	rBV	1006275	2779168	28.22%	2.721%
92	14.504	2108	2111	2114	rBV2	289762	447048	4.54%	0.438%
93	14.581	2118	2124	2127	rVV2	2394727	4541673	46.12%	4.446%
94	14.616	2127	2130	2133	rVV	1276589	1883116	19.12%	1.844%
95	14.645	2133	2135	2143	rVV6	603658	1381108	14.03%	1.352%
96	14.722	2143	2148	2155	rVV4	369526	968316	9.83%	0.948%
97	14.945	2181	2186	2192	rBV3	624765	1640088	16.66%	1.606%
98	14.998	2192	2195	2198	rBV	415619	651920	6.62%	0.638%
99	15.310	2240	2248	2259	rVB	2112651	6538864	66.40%	6.402%
100	15.628	2296	2302	2307	rBV	1275869	3183054	32.33%	3.116%

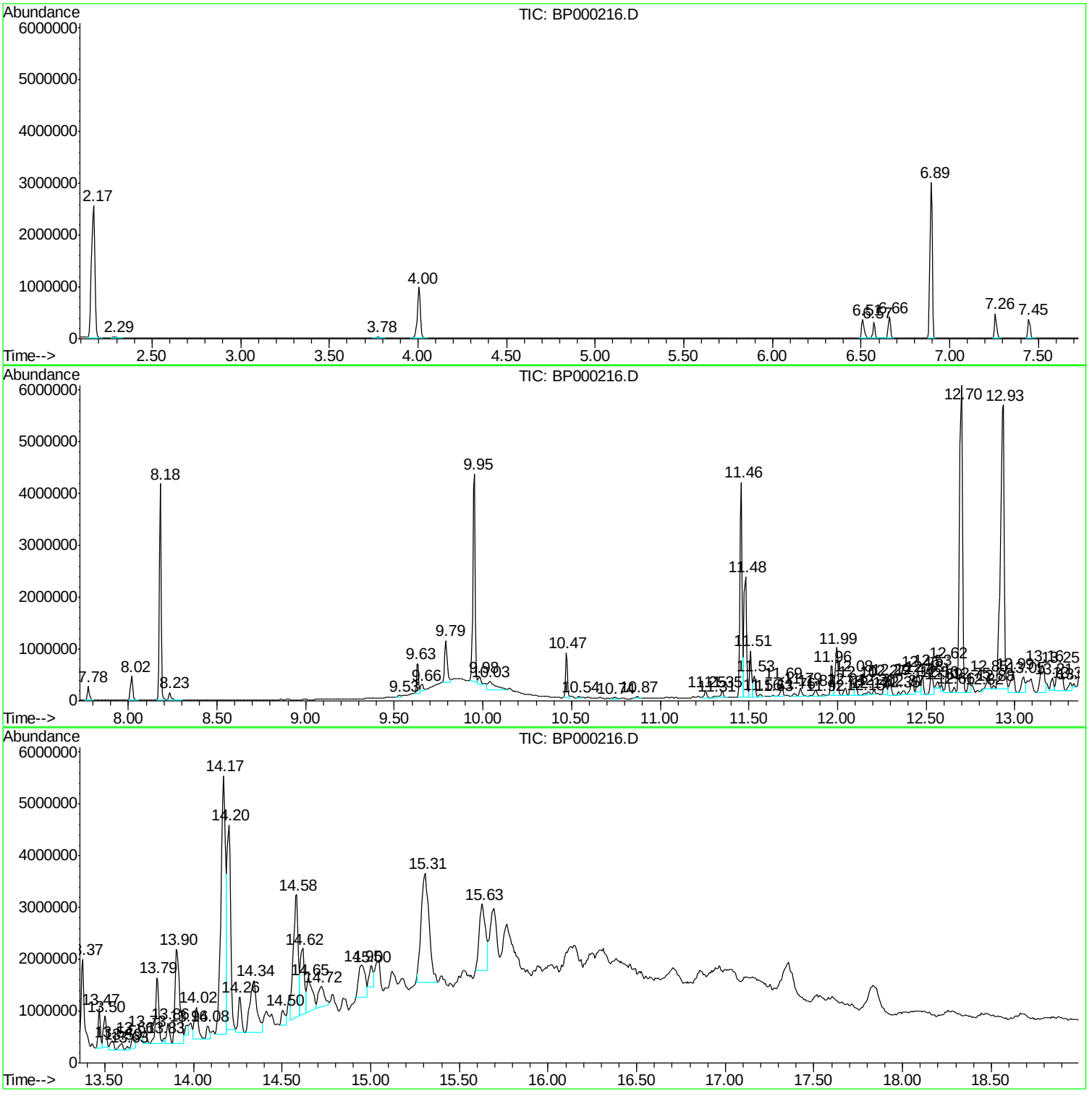
Sum of corrected areas: 102140559

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D37DL

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 : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

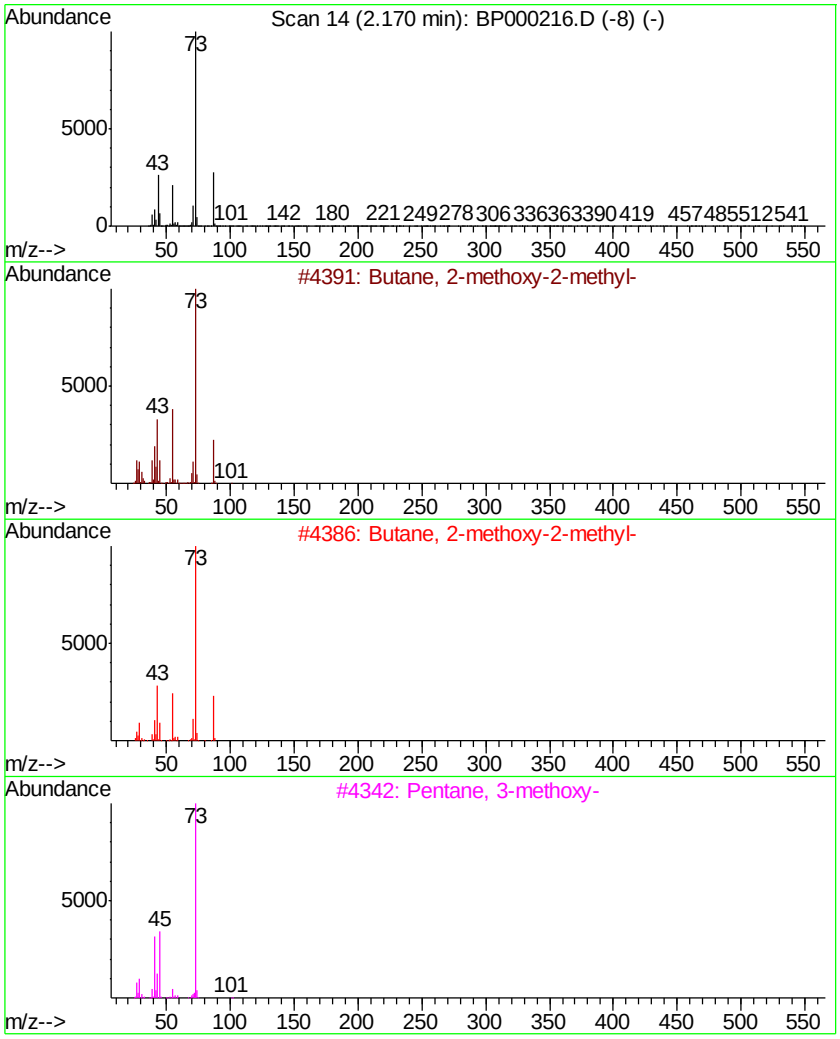
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

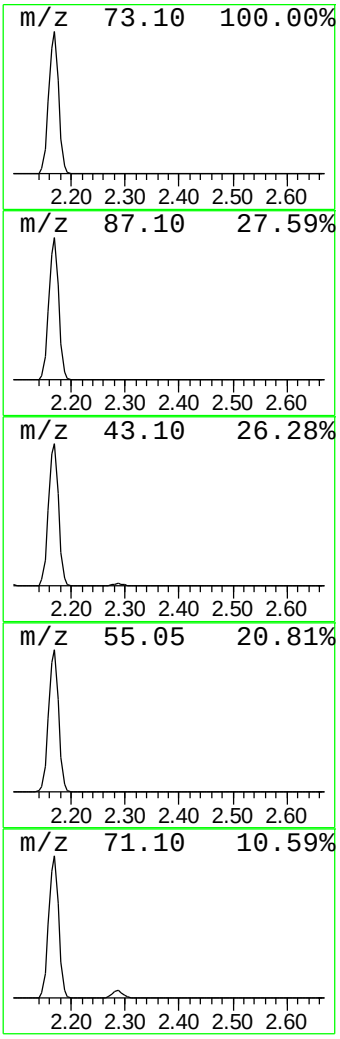
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	26.09 ng/ul	3241150	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	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

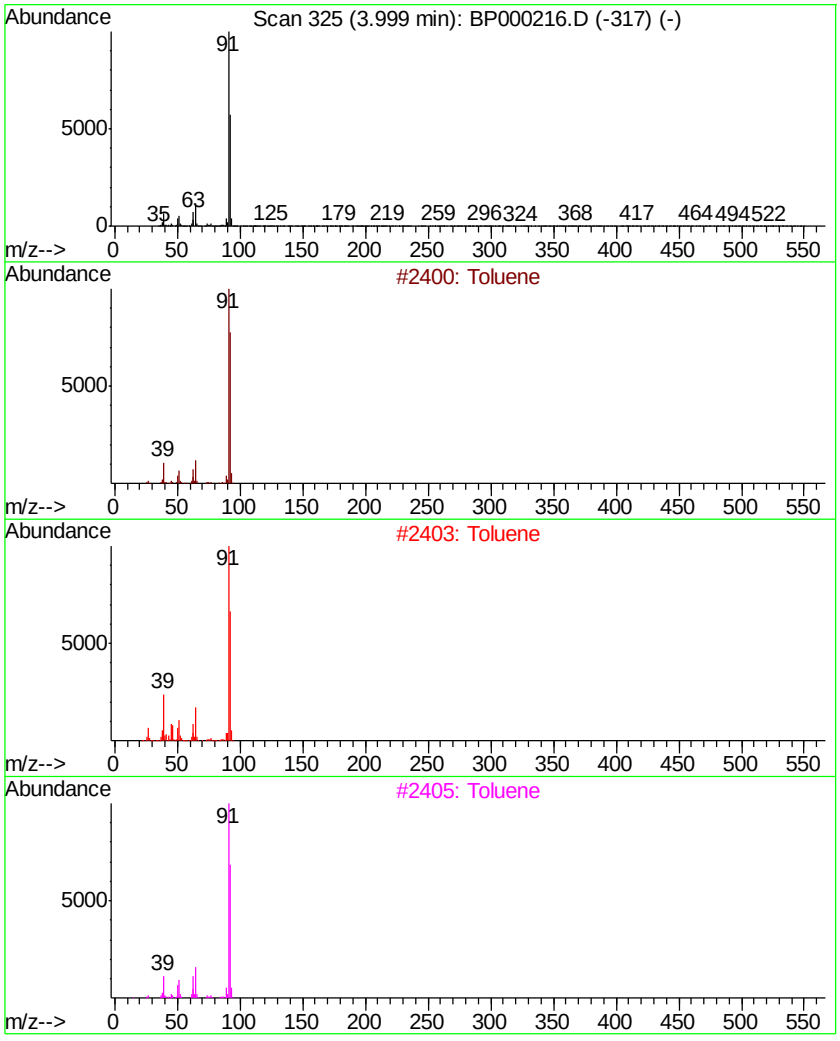
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

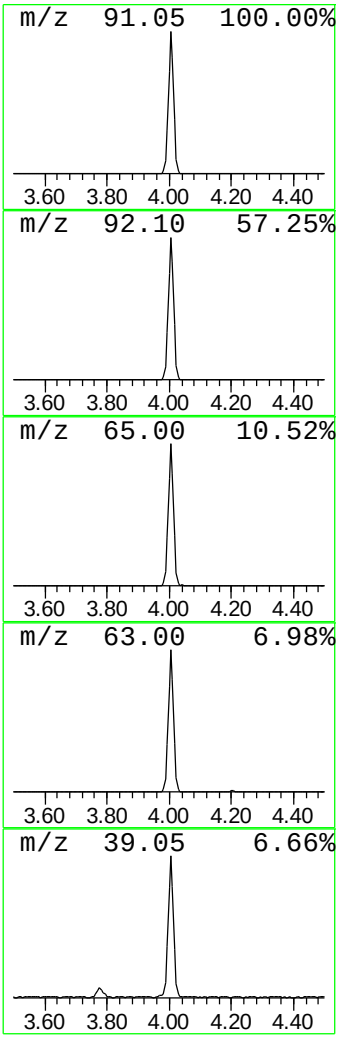
****

Peak Number 2 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	9.83 ng/ul	1220930	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

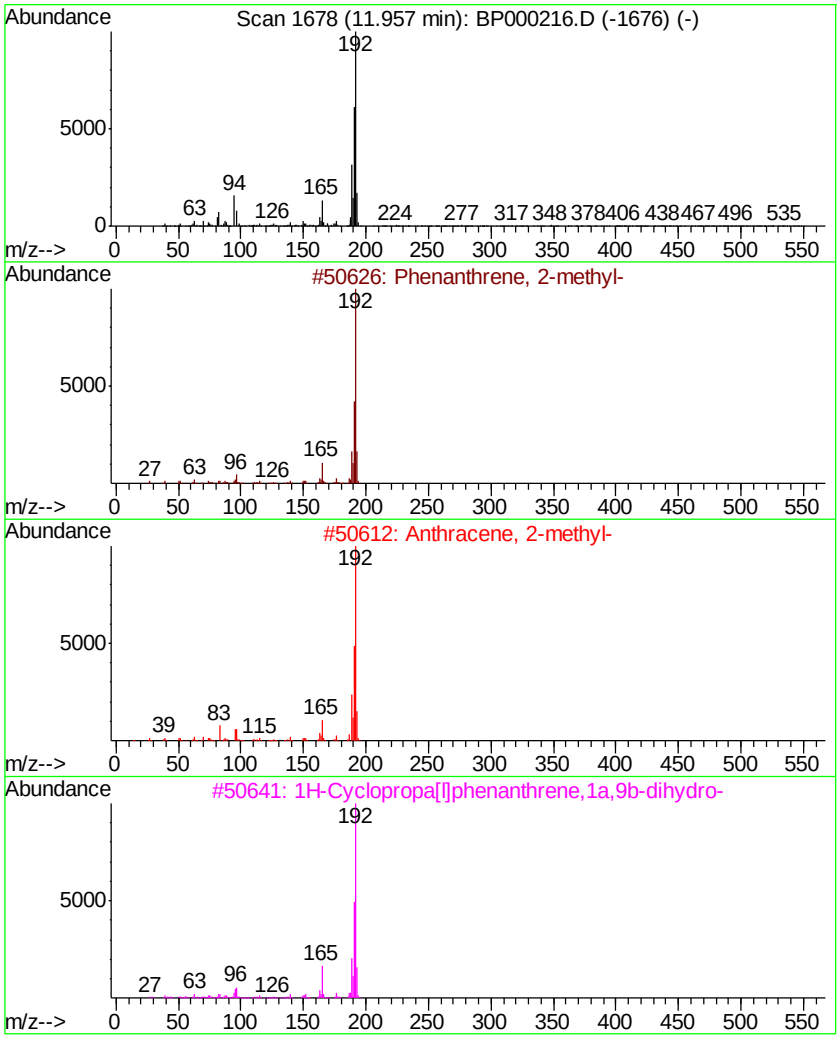
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

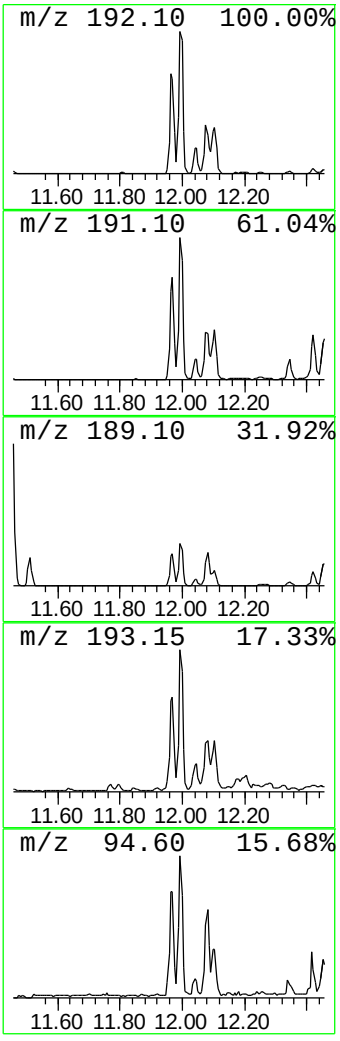
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.91 ng/ul	581039	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

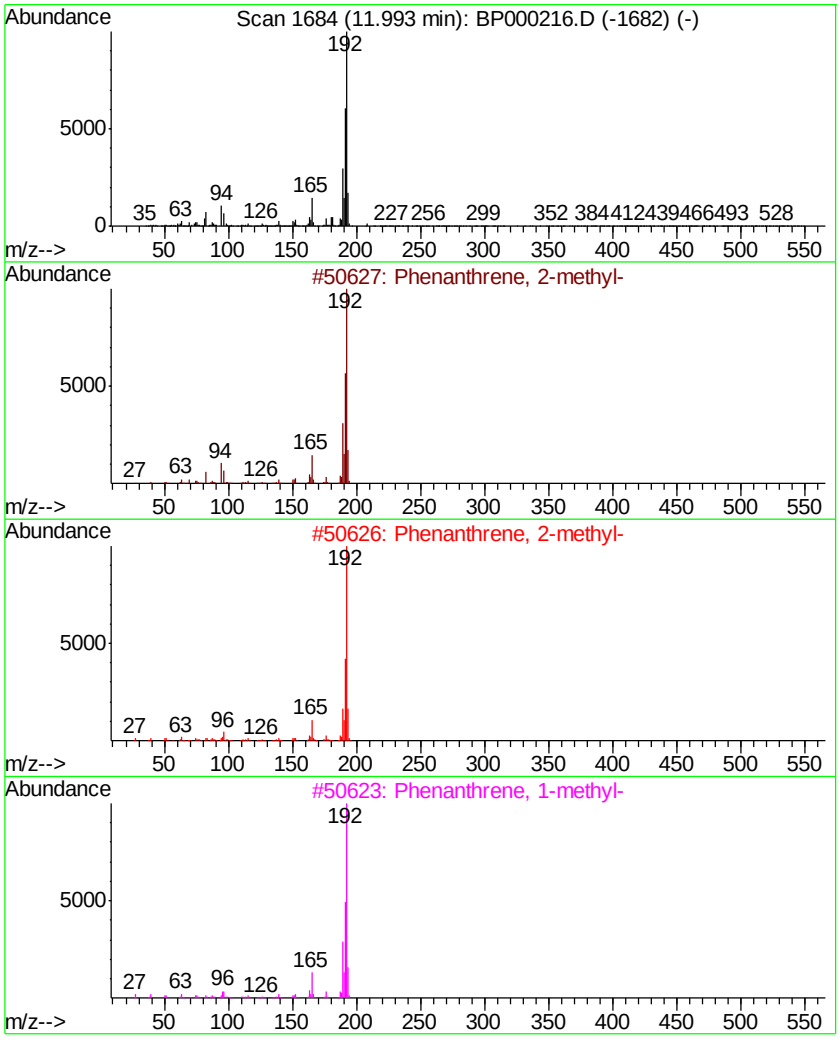
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

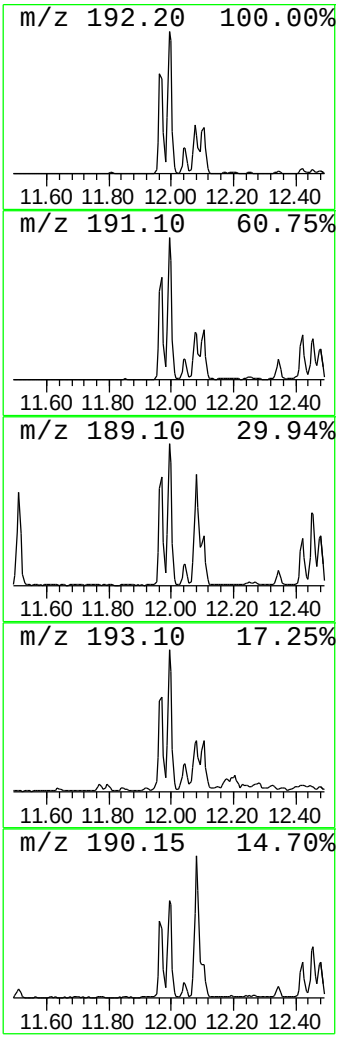
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.22 ng/ul	843802	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	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





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

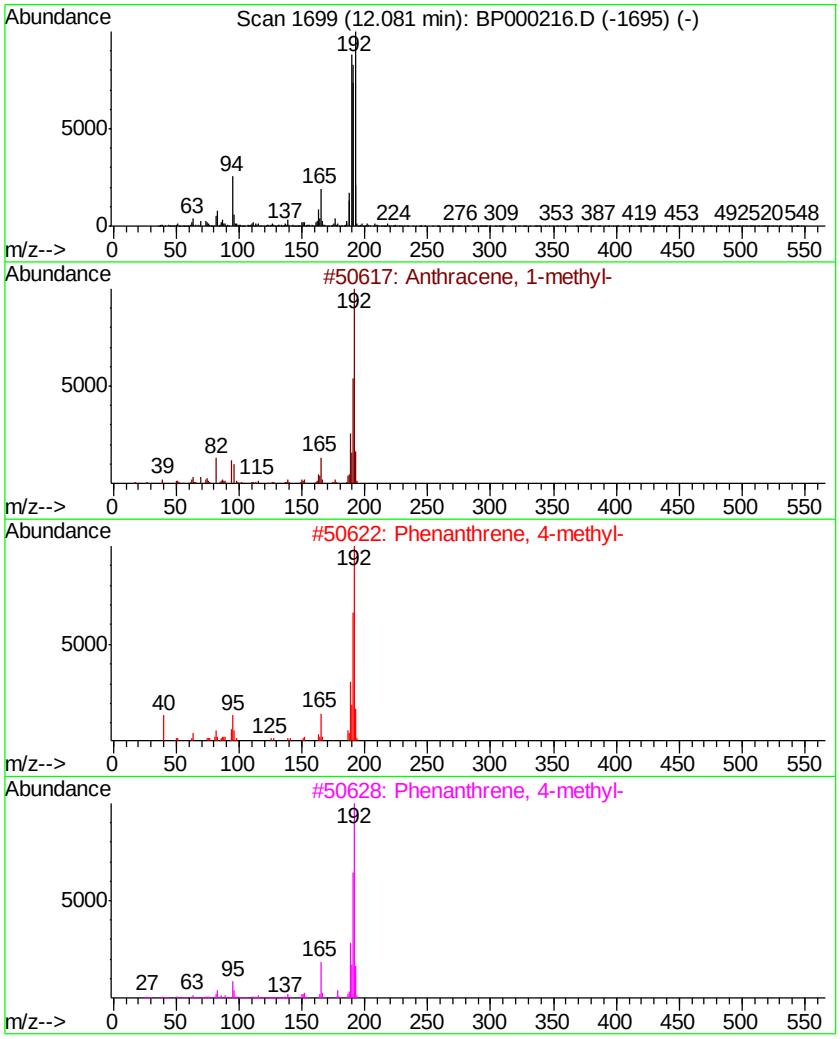
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

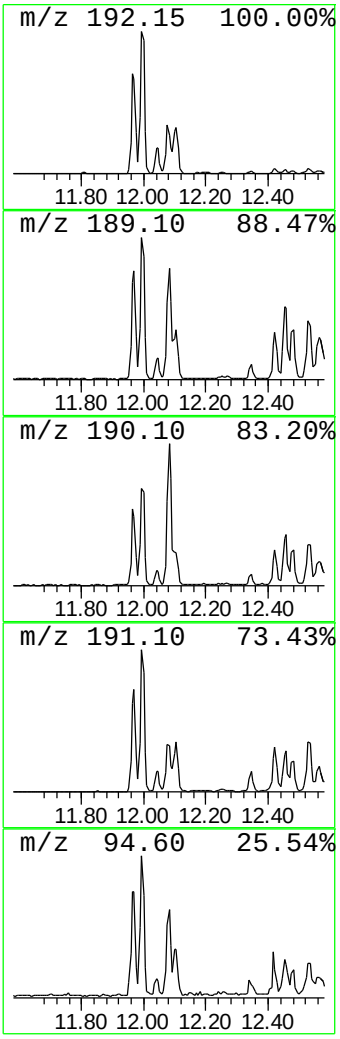
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.22 ng/ul	443786	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





Library Search Compound Report

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Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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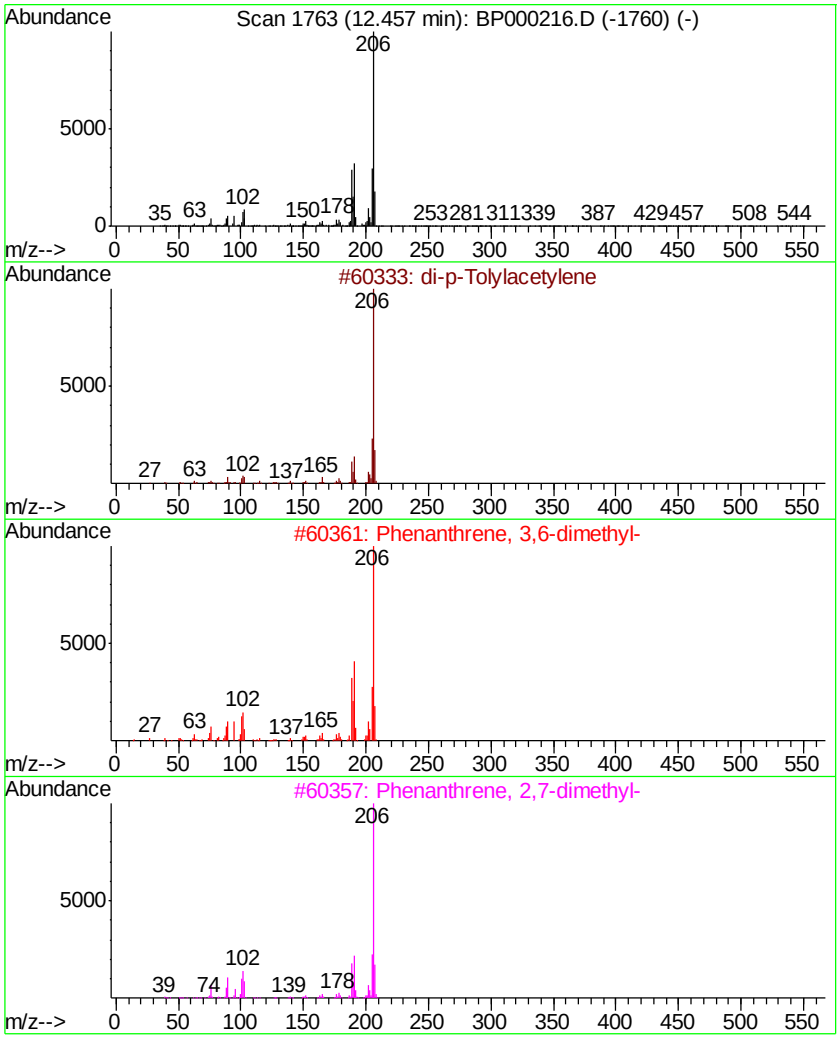
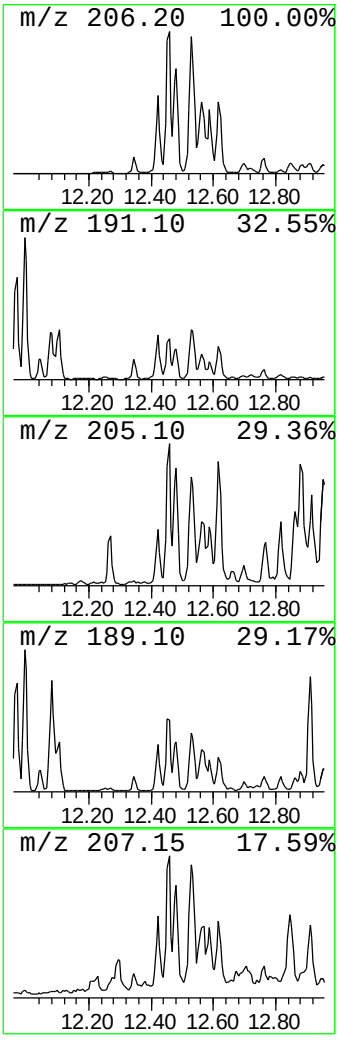
Peak Number 6 di-p-Tolylacetylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.15 ng/ul	429211	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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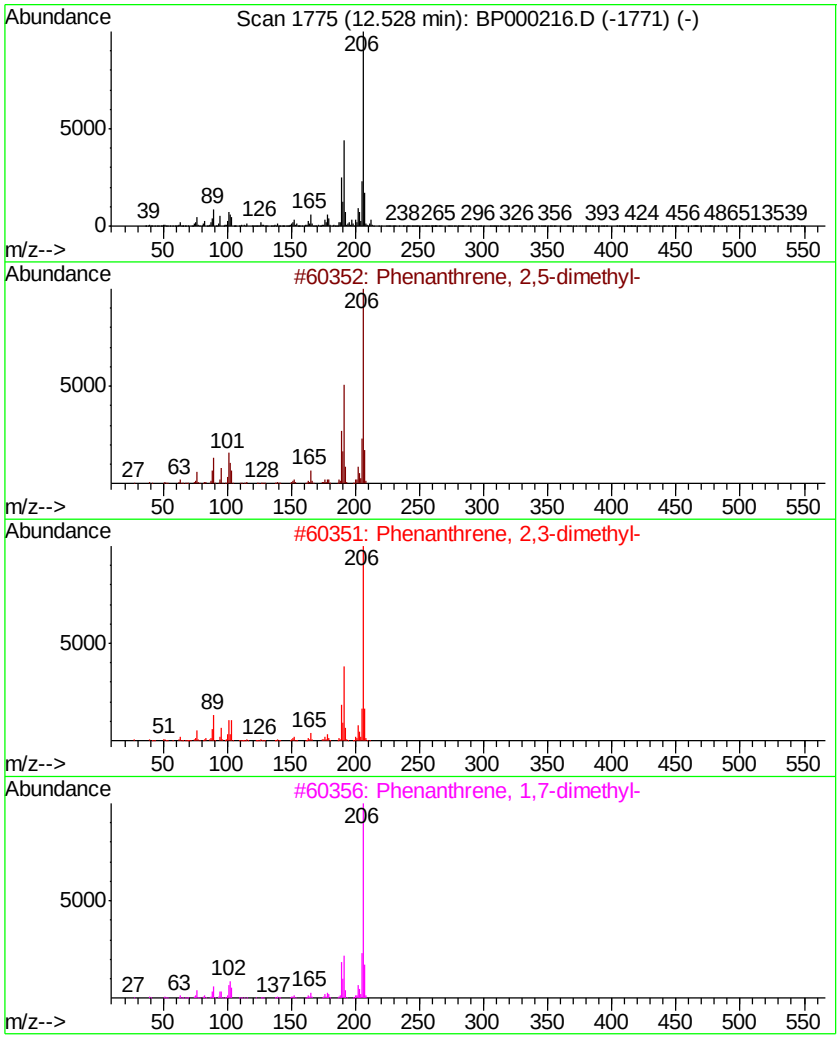
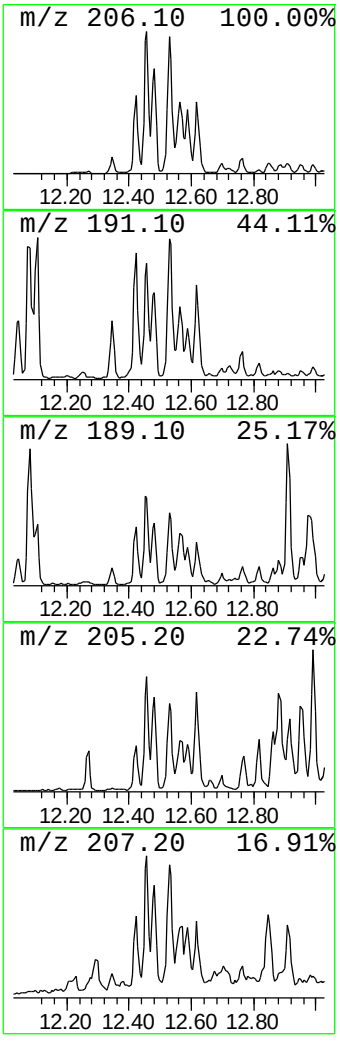
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.79 ng/ul	556580	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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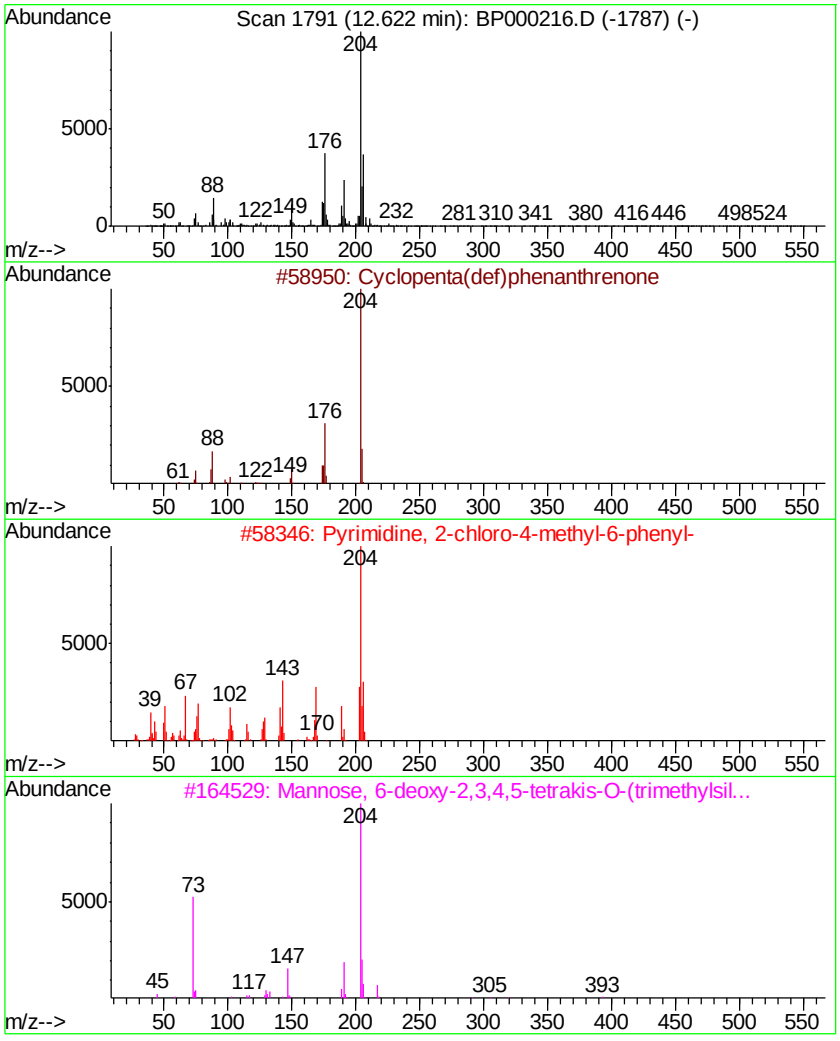
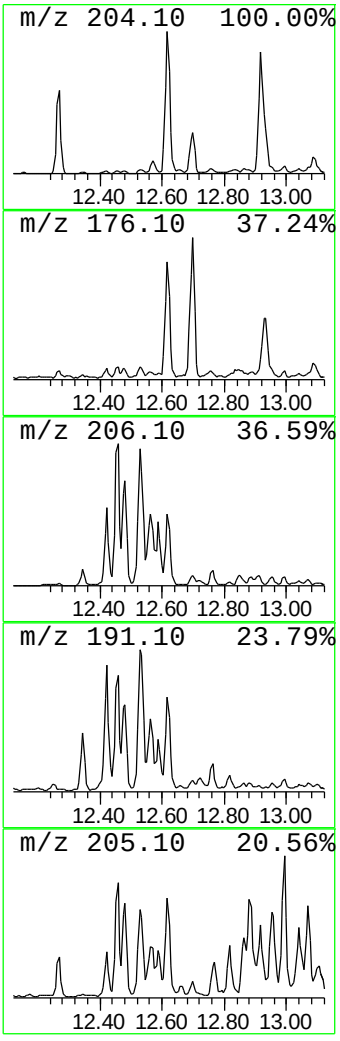
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.89 ng/ul	576751	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
4	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43





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Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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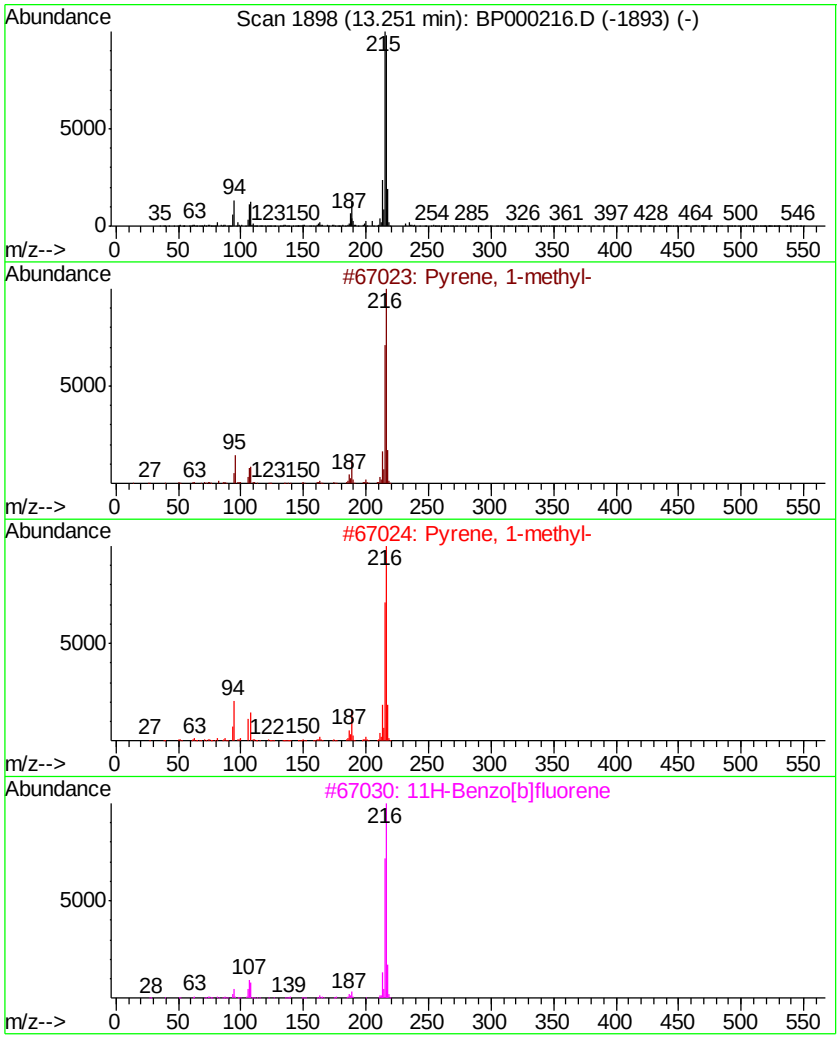
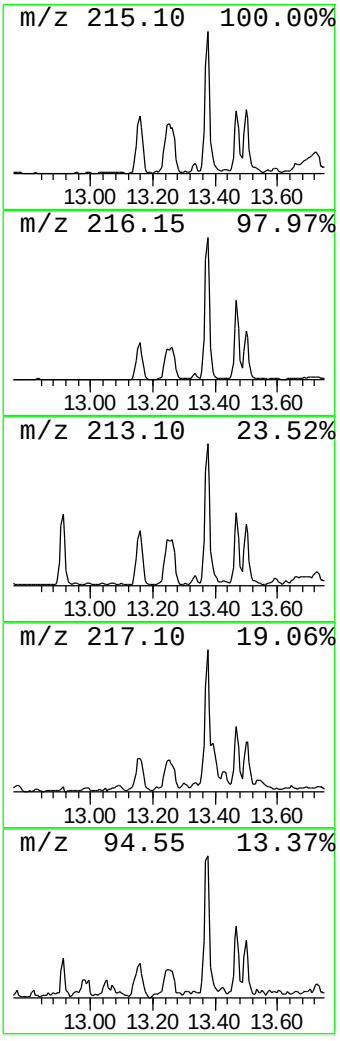
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.13 ng/ul	1049370	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92





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Misc :
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Quant Title : SVOA CALIBRATION

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

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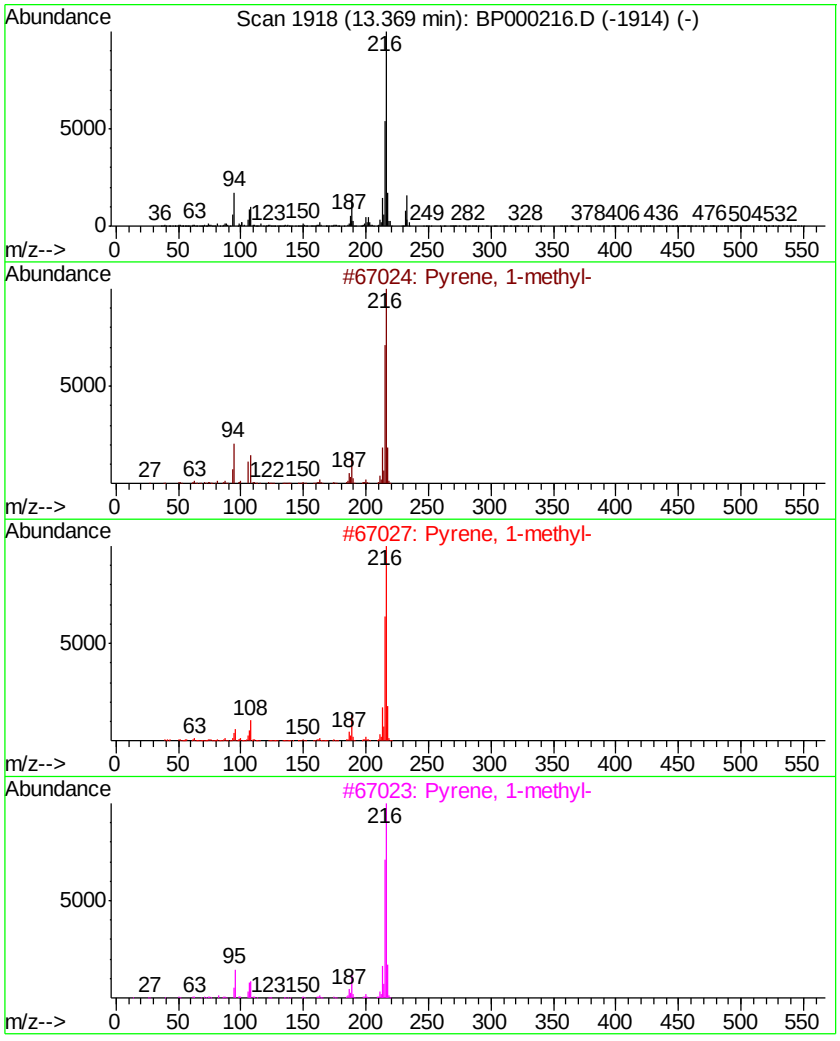
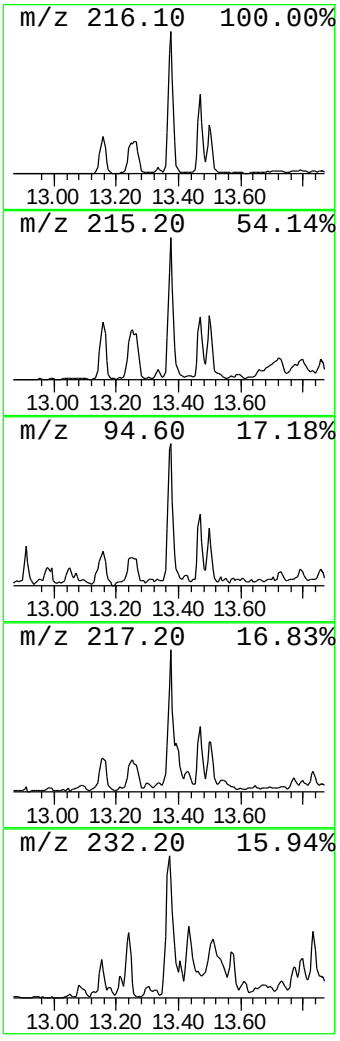
Peak Number 10 Pyrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	4.82 ng/ul	2375320	Chrysene-d12	14.17

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





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Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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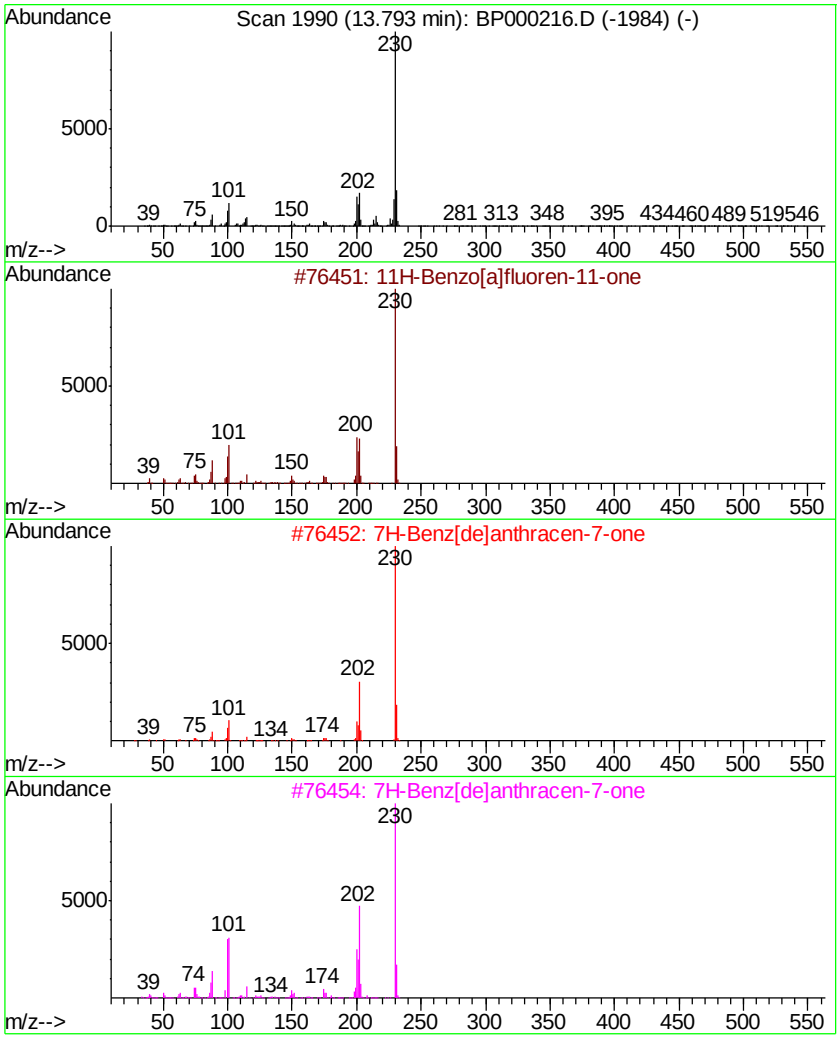
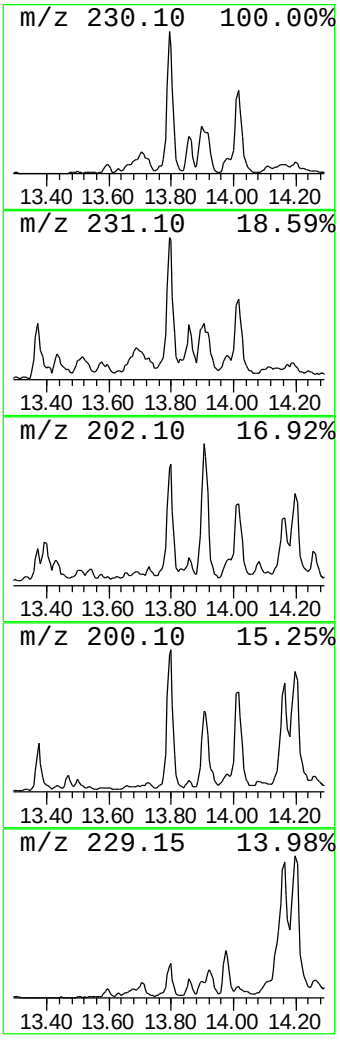
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.61 ng/ul	1778860	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	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	72





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Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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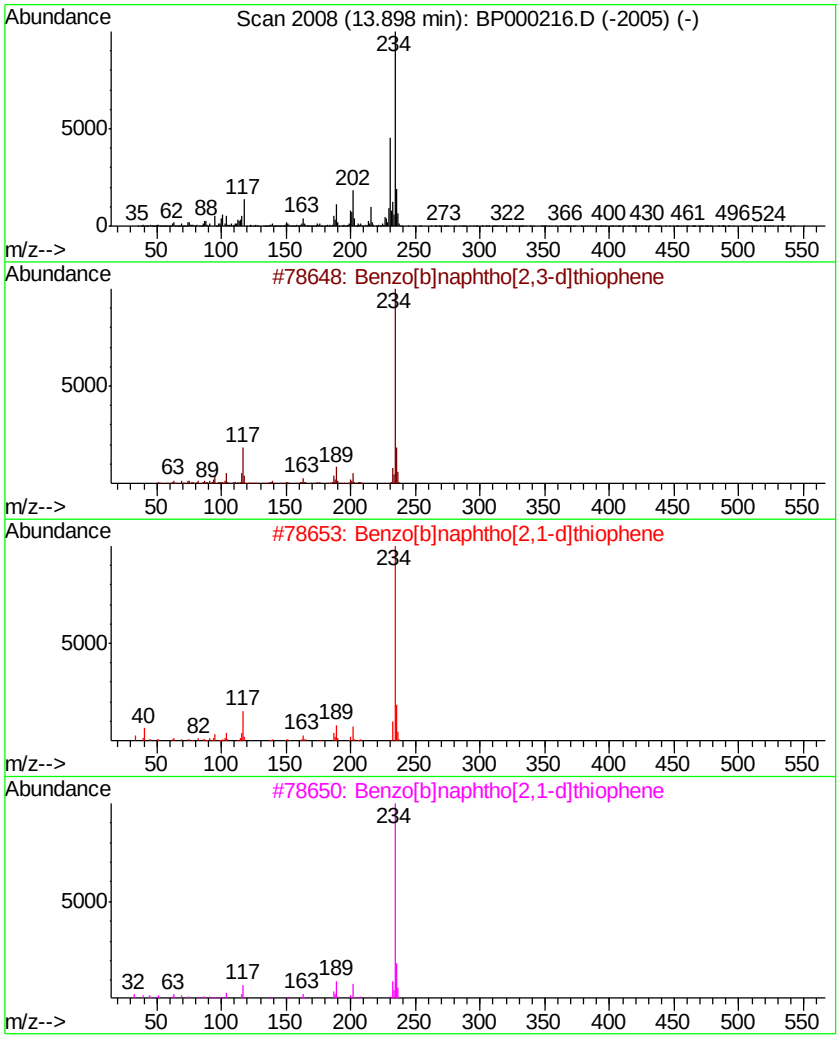
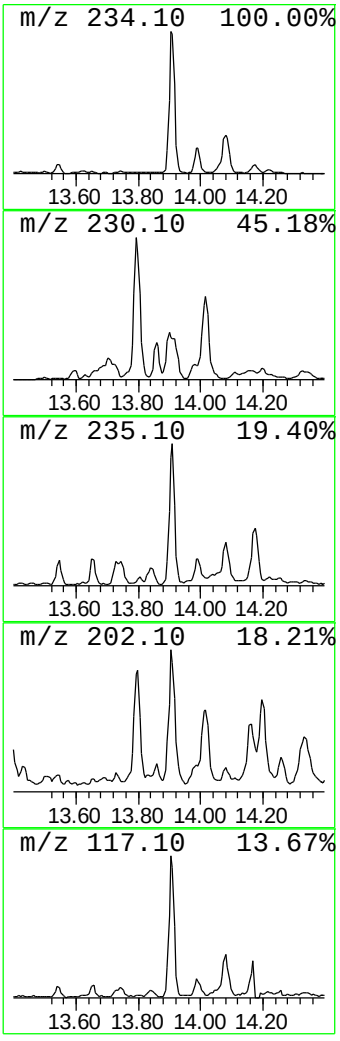
Peak Number 12 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	6.68 ng/ul	3287180	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
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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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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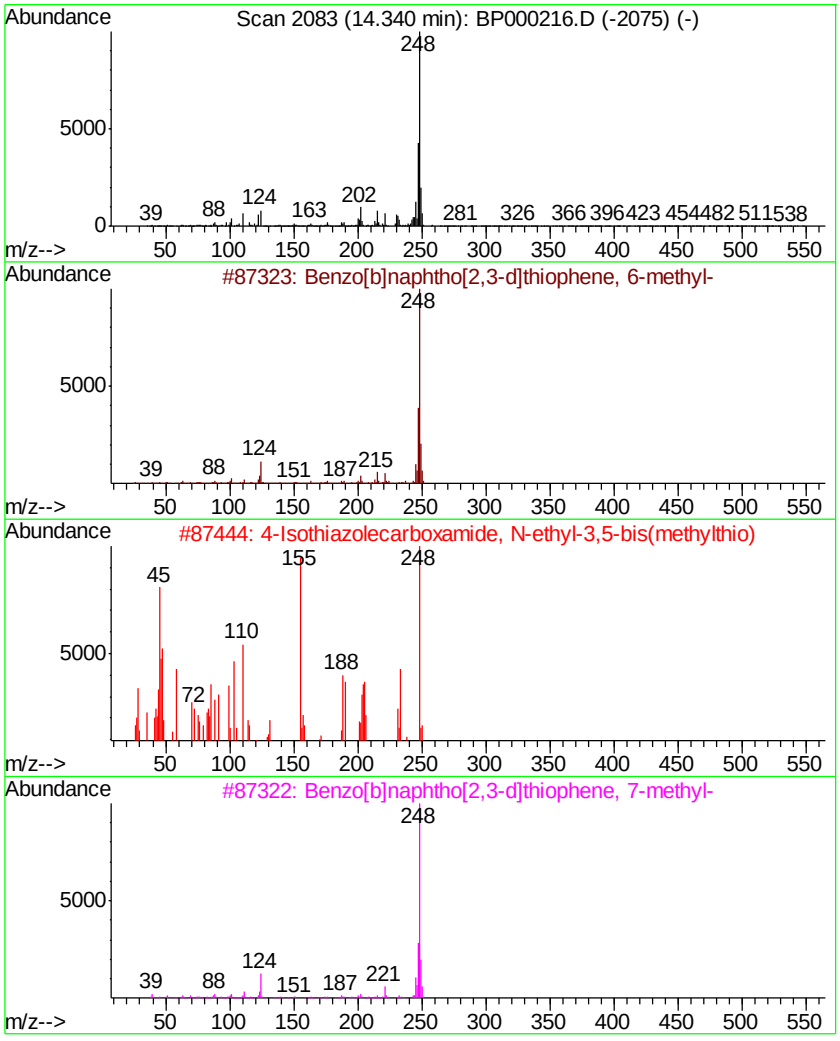
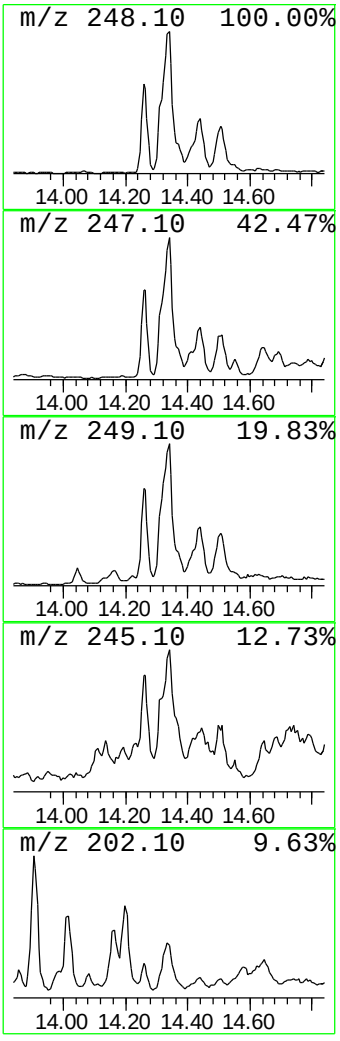
Peak Number 13 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	5.64 ng/ul	2779170	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	90
2	4-Isothiazolecarboxamide, N-ethy...	248	C8H12N2OS3	037572-35-3	86
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	83
4	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	74
5	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	64





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Misc :
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Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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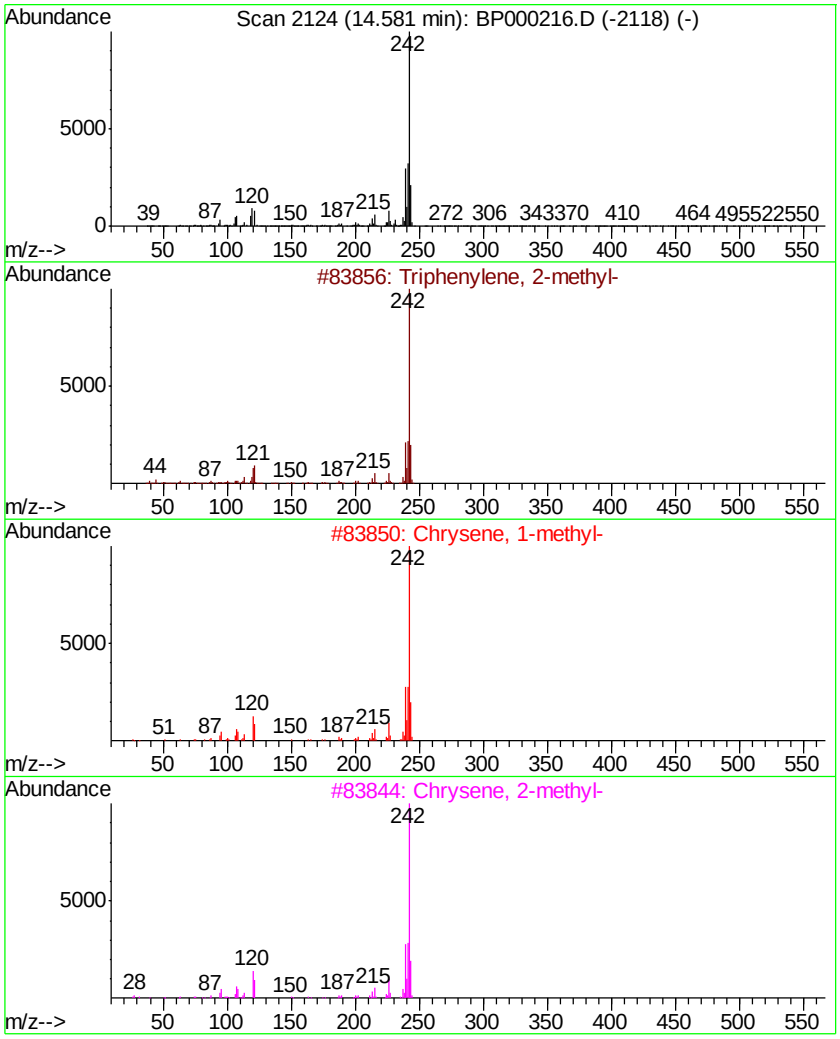
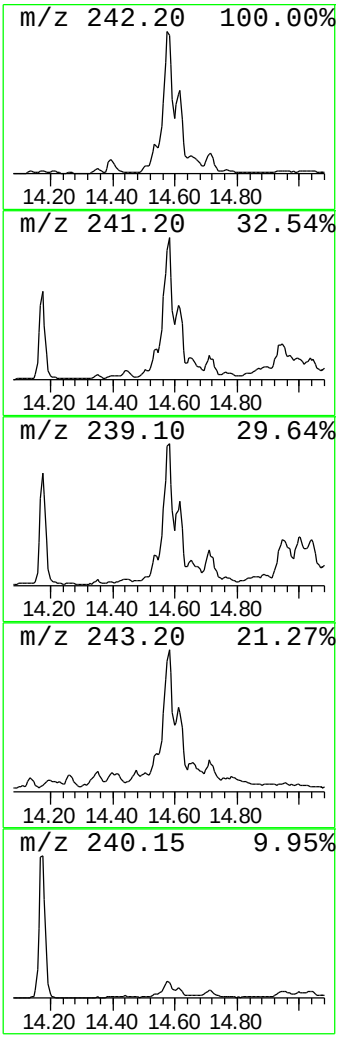
Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	9.22 ng/ul	4541670	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	94





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Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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Quant Title : SVOA CALIBRATION

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

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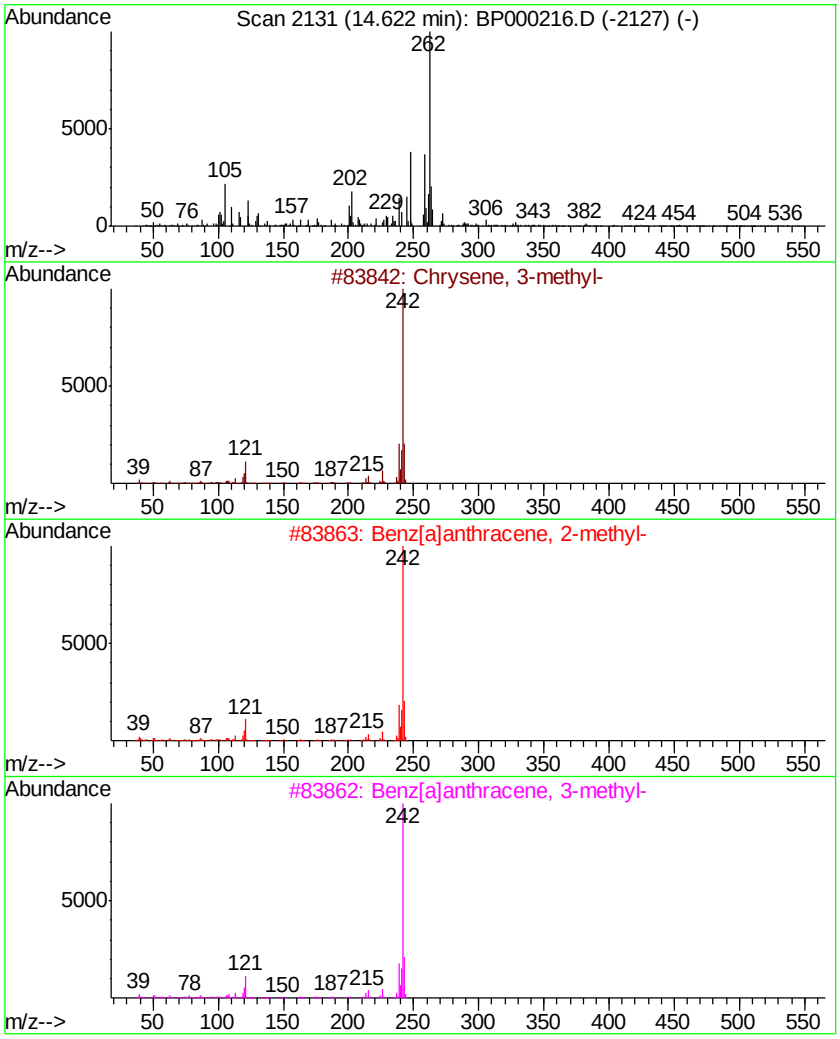
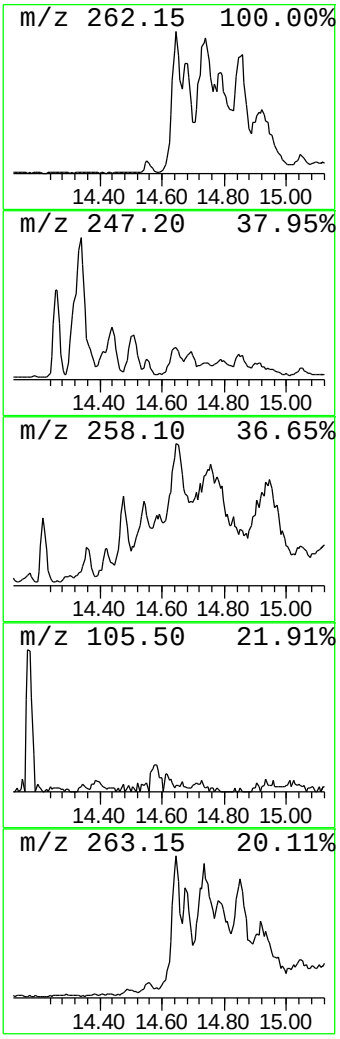
Peak Number 15 Chrysene, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.82 ng/ul	1883120	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	64
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	64
3	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	64
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	64
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	64





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Quant Title : SVOA CALIBRATION

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

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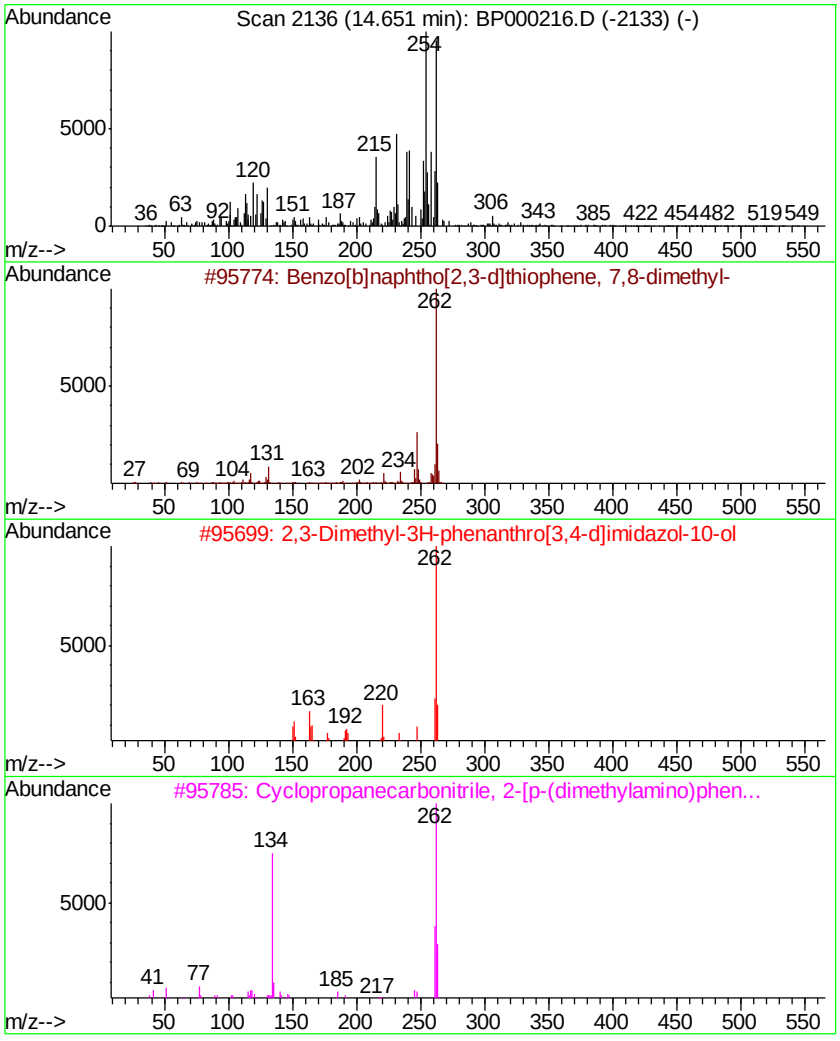
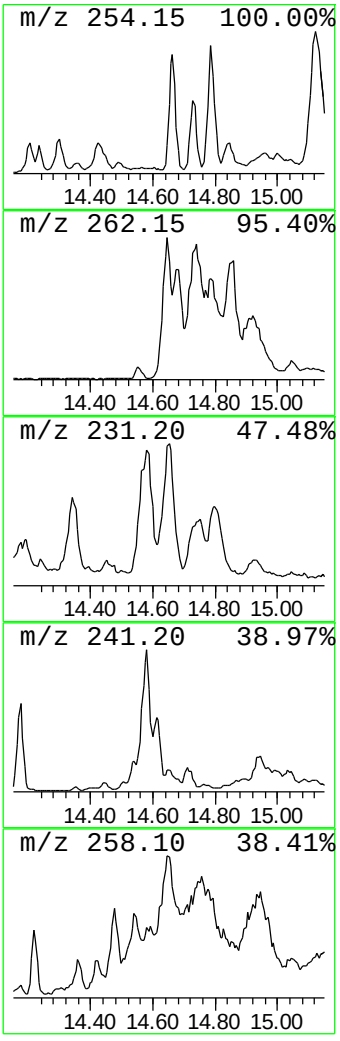
Peak Number 16 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.81 ng/ul	1381110	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	262	C18H14S	024964-12-3	47
2	2,3-Dimethyl-3H-phenanthro[3,4-d...	262	C17H14N2O	098033-25-1	47
3	Cyclopropanecarbonitrile, 2-[p-(...	262	C18H18N2	006114-58-5	47
4	Cyclopropanecarbonitrile, 2-[p-(...	262	C18H18N2	006114-58-5	47
5	Phenol, 2-(4-methyl-6-phenyl-2-p...	262	C17H14N2O	065644-27-1	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

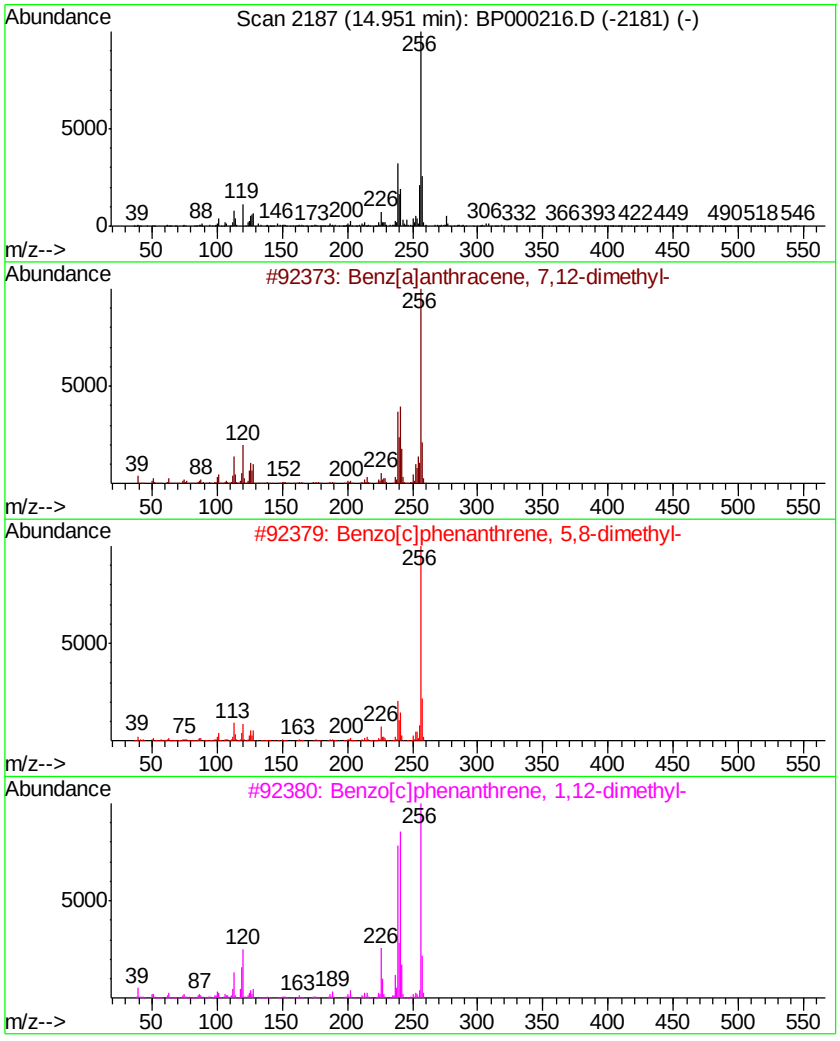
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

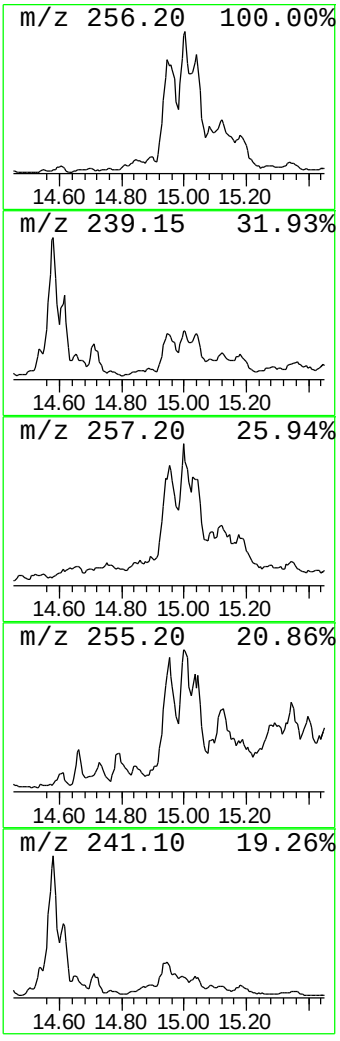
****

Peak Number 17 Benz[a]anthracene, 7,12-dim... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	3.33 ng/ul	1640090	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	94
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
3	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	81
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	76
5	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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

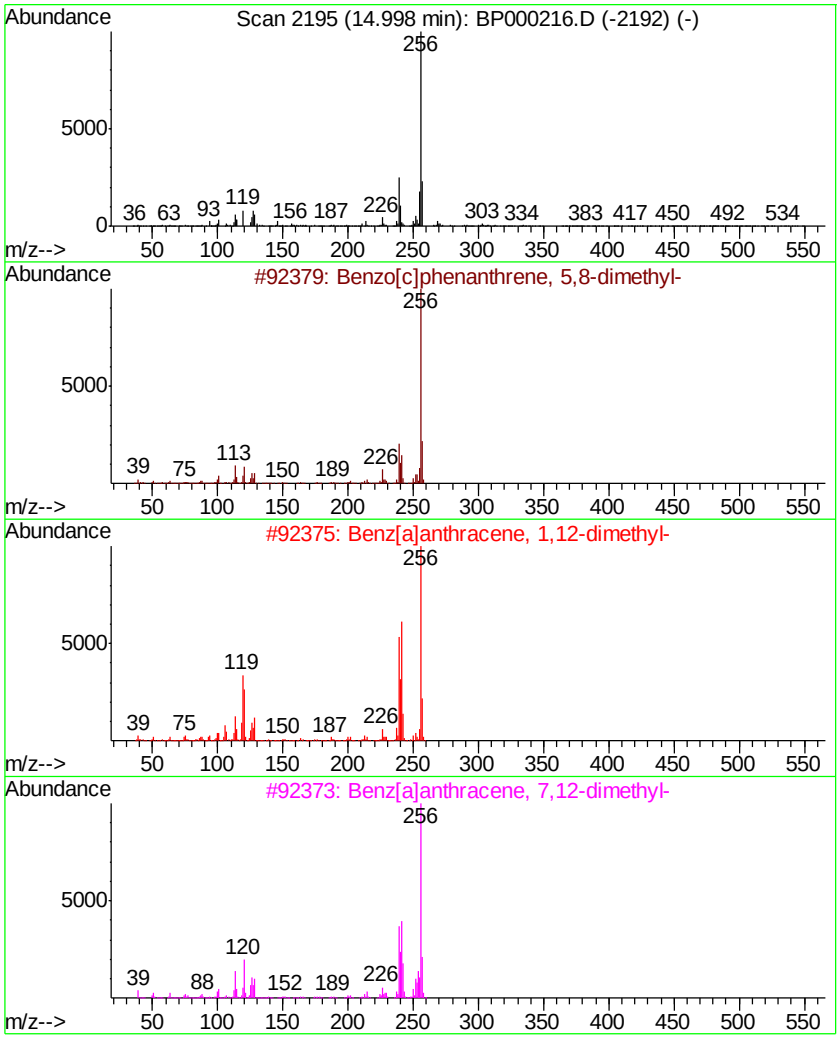
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

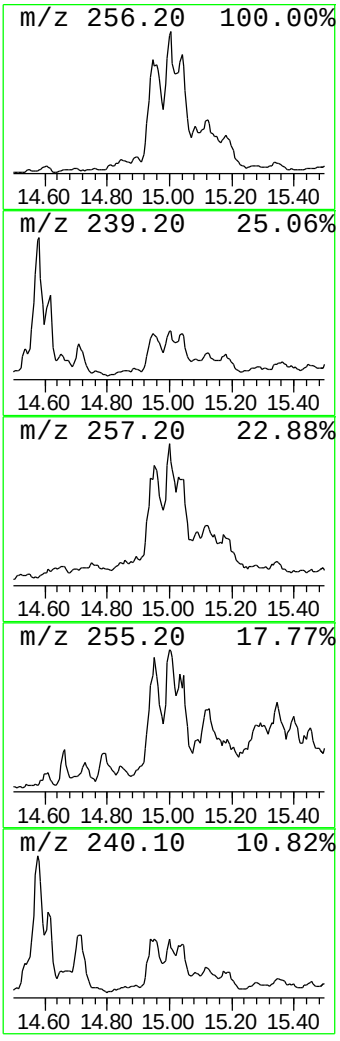
****

Peak Number 18 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	4.10 ng/ul	651920	Perylene-d12	15.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	87
2	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	83
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	72
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	72
5	Chrysene, 5-ethyl-	256	C20H16	054986-62-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000216.D
Acq On : 12 Sep 2019 14:27
Operator : HP/JU
Sample : K4634-19DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D37DL

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	26.1	ng/ul	3241150	1	6.89	2484740	20.0
Toluene	4.00	9.8	ng/ul	1220930	1	6.89	2484740	20.0
Phenanthrene, 2-m...	11.96	2.9	ng/ul	581039	4	11.46	3995670	20.0
Phenanthrene, 1-m...	11.99	4.2	ng/ul	843802	4	11.46	3995670	20.0
Anthracene, 1-met...	12.08	2.2	ng/ul	443786	4	11.46	3995670	20.0
di-p-Tolylacetylene	12.46	2.1	ng/ul	429211	4	11.46	3995670	20.0
Phenanthrene, 2,5...	12.53	2.8	ng/ul	556580	4	11.46	3995670	20.0
Cyclopenta(def)ph...	12.62	2.9	ng/ul	576751	4	11.46	3995670	20.0
Pyrene, 1-methyl-	13.25	2.1	ng/ul	1049370	5	14.17	9847030	20.0
Pyrene, 4-methyl-	13.37	4.8	ng/ul	2375320	5	14.17	9847030	20.0
11H-Benzo[a]fluor...	13.79	3.6	ng/ul	1778860	5	14.17	9847030	20.0
Benzo[b]naphtho[2...	13.90	6.7	ng/ul	3287180	5	14.17	9847030	20.0
Benzo[b]naphtho[2...	14.34	5.6	ng/ul	2779170	5	14.17	9847030	20.0
Triphenylene, 2-m...	14.58	9.2	ng/ul	4541670	5	14.17	9847030	20.0
Chrysene, 3-methyl-	14.62	3.8	ng/ul	1883120	5	14.17	9847030	20.0
unknown-01	14.65	2.8	ng/ul	1381110	5	14.17	9847030	20.0
Benz[a]anthracene...	14.95	3.3	ng/ul	1640090	5	14.17	9847030	20.0
Benzo[c]phenanthr...	15.00	4.1	ng/ul	651920	6	15.76	3183050	20.0