LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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	2.163	7	13	20	rVB	393462	508476	9.73%	0.807%
2	6.504	748	751	759	rBV2	54133	58815	1.13%	0.093%
3	6.569	759	762	767	rVV	57553	44677	0.86%	0.071%
4	6.657	774	777	785	rBV	67866	55193	1.06%	0.088%
5	6.892	814	817	821	rBV	2384846	1854633	35.50%	2.944%
6	7.257	876	879	888	rVB	53586	48668	0.93%	0.077%
7	7.445	908	911	918	rVB	59595	46376	0.89%	0.074%
8	8.016	1001	1008	1012	rBV	66289	58690	1.12%	0.093%
9	8.181	1032	1036	1039	rBV	2805799	2481386	47.50%	3.938%
10	9.522	1261	1264	1269	rBV2	36333	51839	0.99%	0.082%
11	9.598	1274	1277	1280	rBV	45313	47867	0.92%	0.076%
12	9.628	1280	1282	1285	rVV	124267	101872	1.95%	0.162%
13	9.786	1306	1309	1314	rBV	123267	124824	2.39%	0.198%
14	9.945	1333	1336	1340	rBV	3447424	2863734	54.82%	4.545%
15	9.981	1340	1342	1346	rVB	99598	86209	1.65%	0.137%
16	10.151	1369	1371	1375	rVB2	52506	44191	0.85%	0.070%
17	10.192	1375	1378	1386	rVB	42059	54901	1.05%	0.087%
18	10.469	1422	1425	1428	rBV	152410	117345	2.25%	0.186%
19	11.345	1572	1574	1580	rVB	88854	76460	1.46%	0.121%
20	11.451	1588	1592	1595	rBV	3226557	2986986	57.18%	4.741%
21	11.475	1595	1596	1599	rVV	955404	653828	12.52%	1.038%
22	11.510	1599	1602	1603	rVV	165916	148803	2.85%	0.236%
23	11.527	1603	1605	1608	rVV	188347	155070	2.97%	0.246%
24	11.563	1608	1611	1615	rVV3	30956	39284	0.75%	0.062%
25	11.686	1628	1632	1640	rVB	72002	100487	1.92%	0.159%
26	11.792	1646	1650	1653	rBV	117740	116515	2.23%	0.185%
27	11.875	1661	1664	1668	rVB	125635	134816	2.58%	0.214%
28	11.963	1676	1679	1682	rBV	454491	416783	7.98%	0.661%
29	11.992	1682	1684	1688	rVB	688070	560808	10.73%	0.890%
30	12.039	1689	1692	1695	rBV	116317	108930	2.09%	0.173%
31	12.075	1695	1698	1701	rBV	196122	223005	4.27%	0.354%
32	12.098	1701	1702	1707	rVB	160205	122104	2.34%	0.194%
33	12.204	1717	1720	1723	rBV	83386	68880	1.32%	0.109%
34	12.263	1727	1730	1732	rBV	167933	146837	2.81%	0.233%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

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

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

35	12.286	1732	1734	1741	rVB3	151939	240115	4.60%	0.381%
36	12.345	1741	1744	1745	rBV	50932	45823	0.88%	0.073%
37	12.369	1745	1748	1751	rBV	86431	88506	1.69%	0.140%
38	12.416	1751	1756	1759	rBV2	240544	262862	5.03%	0.417%
39	12.451	1759	1762	1764	rBV	430402	375843	7.19%	0.597%
40	12.475	1764	1766	1770	rVB	339674	303761	5.81%	0.482%
41	12.527	1770	1775	1778	rBV	409960	464399	8.89%	0.737%
42	12.563	1778	1781	1783	rBV2	132692	143821	2.75%	0.228%
43	12.586	1783	1785	1787	rVB	123986	95446	1.83%	0.151%
44	12.610	1787	1789	1794	rVB	229410	233499	4.47%	0.371%
45	12.651	1794	1796	1799	rBV	110057	100692	1.93%	0.160%
46	12.686	1799	1802	1808	rBV	1452576	1488486	28.49%	2.362%
47	12.739	1808	1811	1817	rVB4	142741	218932	4.19%	0.347%
48	12.810	1821	1823	1826	rBV2	43357	36404	0.70%	0.058%
49	12.845	1826	1829	1833	rBV3	206479	276590	5.29%	0.439%
50	12.880	1833	1835	1837	rVB	81571	57234	1.10%	0.091%
51	12.922	1837	1842	1846	rBV	2102949	2478832	47.45%	3.934%
52	12.951	1846	1847	1850	rVB	167014	94264	1.80%	0.150%
53	12.986	1850	1853	1857	rVB3	341202	383293	7.34%	0.608%
54	13.039	1857	1862	1864	rBV3	190291	295664	5.66%	0.469%
55	13.069	1864	1867	1869	rBV2	146992	143609	2.75%	0.228%
56	13.151	1876	1881	1888	rBV4	270633	518619	9.93%	0.823%
57	13.204	1888	1890	1893	rBV	238413	223206	4.27%	0.354%
58	13.239	1893	1896	1897	rBV2	162965	180836	3.46%	0.287%
59	13.263	1897	1900	1903	rVB2	378902	414120	7.93%	0.657%
60	13.310	1903	1908	1909	rBV	128000	165340	3.16%	0.262%
61	13.327	1909	1911	1914	rVB	222869	212746	4.07%	0.338%
62	13.369	1914	1918	1927	rBV	1577583	1856618	35.54%	2.947%
63	13.463	1930	1934	1937	rBV	634522	646882	12.38%	1.027%
64	13.492	1937	1939	1943	rVB	515211	526455	10.08%	0.836%
65	13.533	1943	1946	1950	rVB2	215962	275342	5.27%	0.437%
66	13.586	1951	1955	1958	rVB2	116976	150164	2.87%	0.238%
67	13.621	1958	1961	1963	rBV2	80441	97845	1.87%	0.155%
68	13.651	1963	1966	1968	rBV2	149110	183037	3.50%	0.291%
69	13.704	1968	1975	1976	rBV2	268455	530016	10.15%	0.841%
70	13.769	1981	1986	1987	rBV3	212261	311579	5.96%	0.495%
71	13.786	1987	1989	1994	rVB2	556476	720383	13.79%	1.143%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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	13.827	1994	1996	1998	rBV2	111199	109822	2.10%	0.174%
73	13.851	1998	2000	2003	rVB	398050	379172	7.26%	0.602%
74	13.898	2003	2008	2015	rBV2	1228719	2025533	38.77%	3.215%
75	13.980	2018	2022	2024	rBV3	189007	229069	4.38%	0.364%
76	14.004	2024	2026	2029	rVB2	143656	138317	2.65%	0.220%
77	14.033	2029	2031	2034	rBV	66887	63965	1.22%	0.102%
78	14.074	2035	2038	2040	rBV	208259	283101	5.42%	0.449%
79	14.157	2044	2052	2055	rBV2	2890072	5224109	100.00%	8.291%
80	14.186	2055	2057	2061	rVV	2061835	2083456	39.88%	3.307%
81	14.251	2064	2068	2073	rVB	928573	1125812	21.55%	1.787%
82	14.327	2073	2081	2089	rBV	975270	2430945	46.53%	3.858%
83	14.398	2089	2093	2094	rBV2	233717	276314	5.29%	0.439%
84	14.492	2105	2109	2112	rBV	404341	575988	11.03%	0.914%
85	14.527	2112	2115	2116	rVV	355271	383553	7.34%	0.609%
86	14.563	2116	2121	2125	rVV	2247008	3673672	70.32%	5.831%
87	14.598	2125	2127	2130	rVV	1014841	1142451	21.87%	1.813%
88	14.633	2130	2133	2136	rVV2	280775	365525	7.00%	0.580%
89	14.698	2141	2144	2153	rVB3	375967	1015141	19.43%	1.611%
90	14.833	2164	2167	2172	rVB	356101	515563	9.87%	0.818%
91	14.927	2178	2183	2184	rBV3	650835	990655	18.96%	1.572%
92	14.980	2189	2192	2195	rVV	712165	973976	18.64%	1.546%
93	15.021	2195	2199	2204	rVB2	728146	1161115	22.23%	1.843%
94	15.098	2209	2212	2217	rBV4	259681	463776	8.88%	0.736%
95	15.263	2235	2240	2248	rBV2	660105	1486294	28.45%	2.359%
96	15.592	2291	2296	2302	rBV	817256	1627203	31.15%	2.583%
97	15.657	2302	2307	2313	rVB2	924554	1831570	35.06%	2.907%
98	15.727	2314	2319	2324	rBV2	933677	1887233	36.13%	2.995%
99	16.086	2374	2380	2381	rBV	356755	666363	12.76%	1.058%
100	16.198	2397	2399	2405	rBV4	183969	327034	6.26%	0.519%

Sum of corrected areas: 63007282

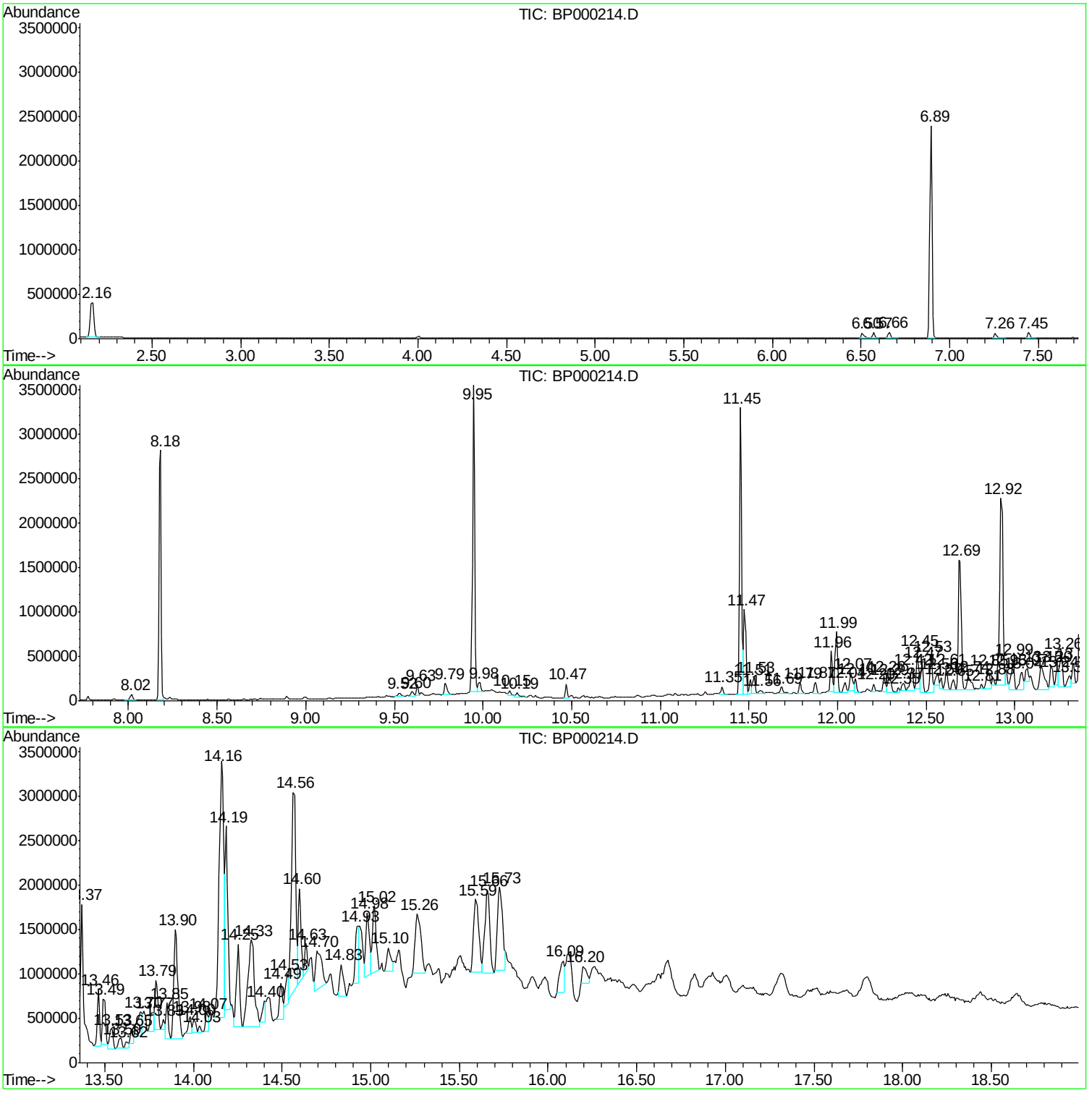
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

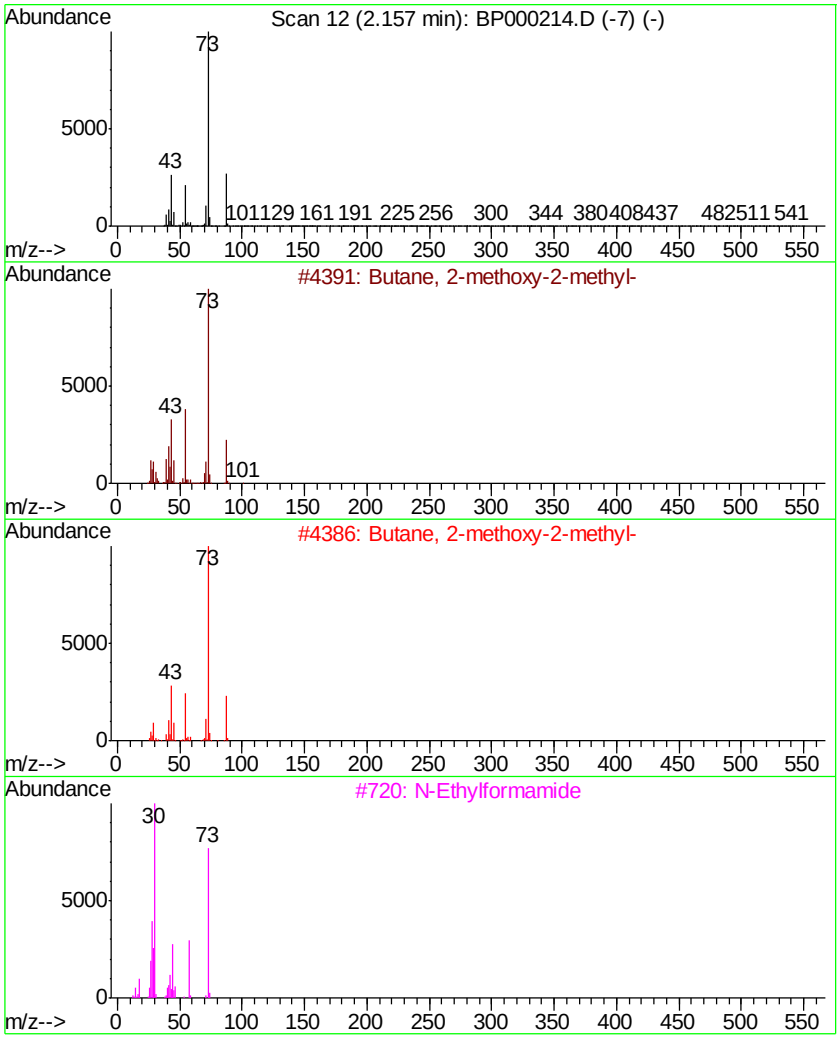
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

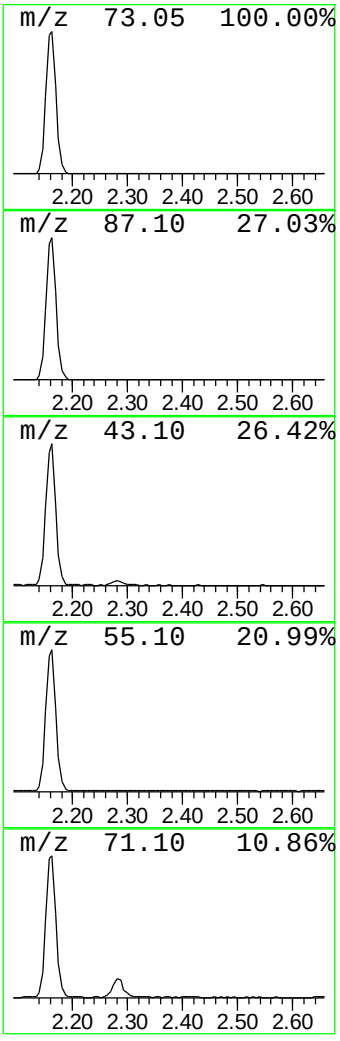
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	5.48 ng/ul	508476	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	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

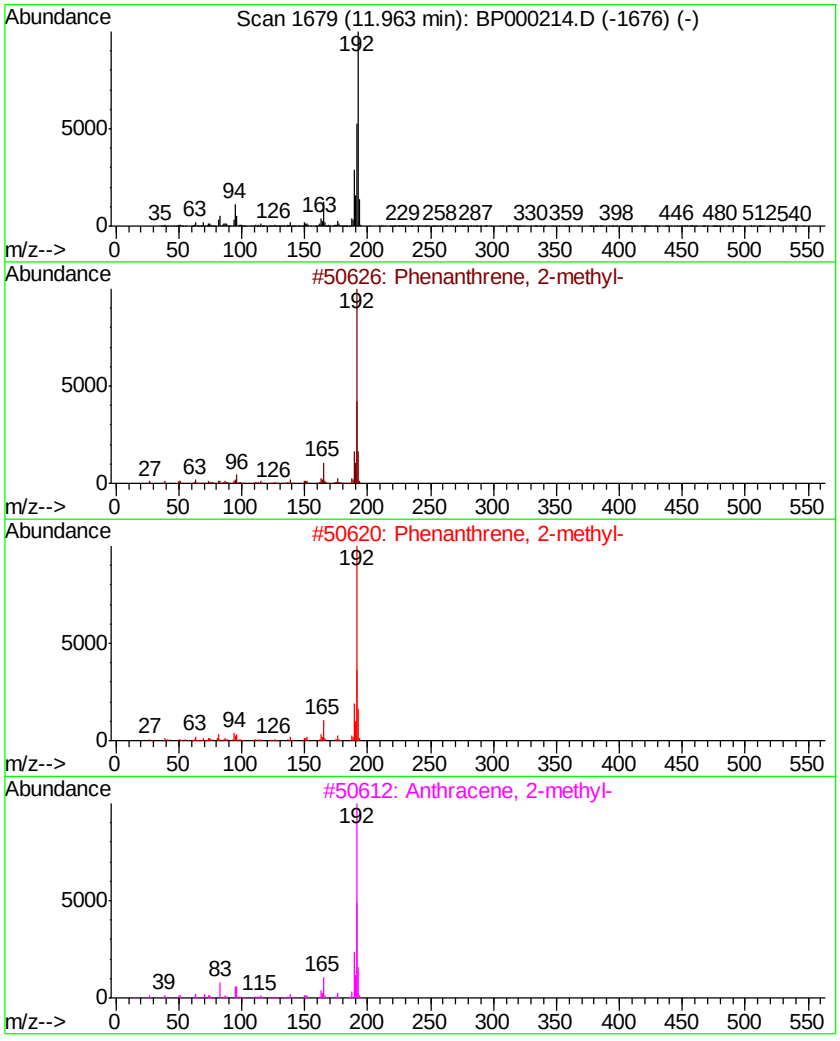
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

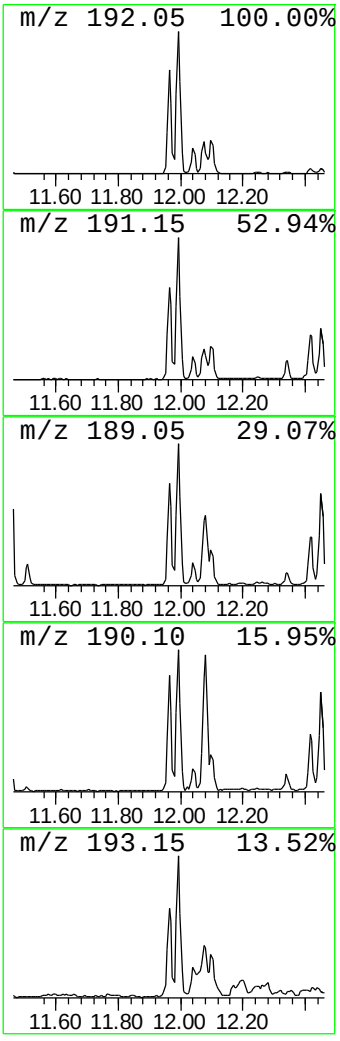
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.79 ng/ul	416783	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

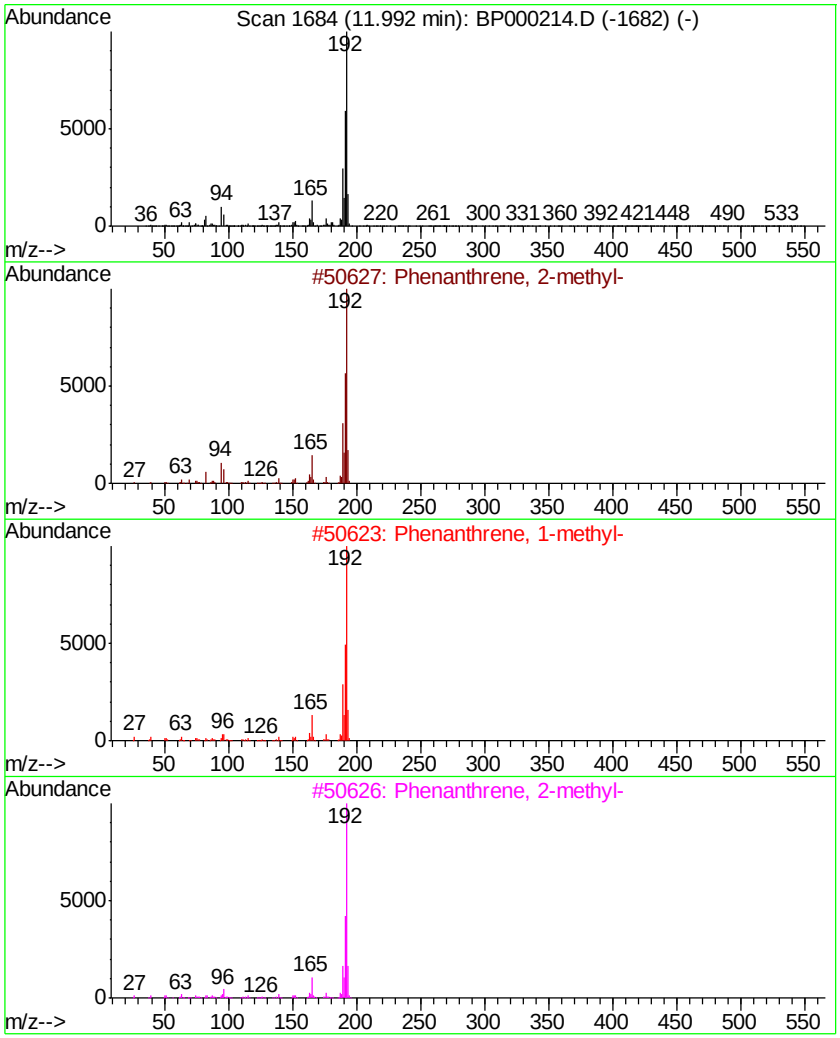
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

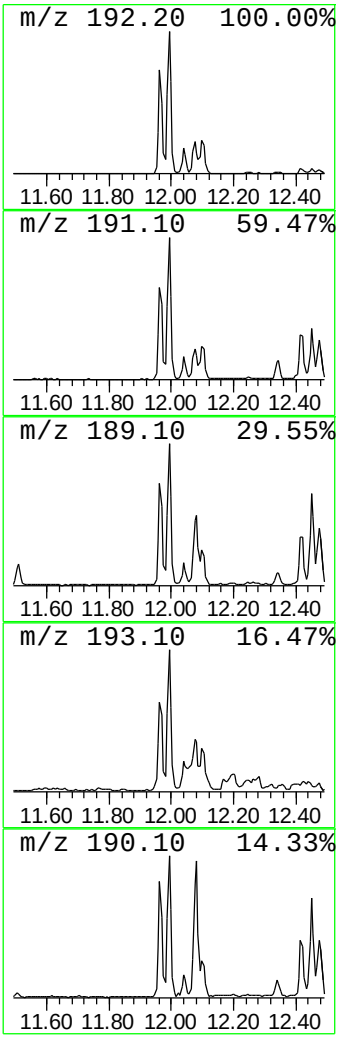
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.76 ng/ul	560808	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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

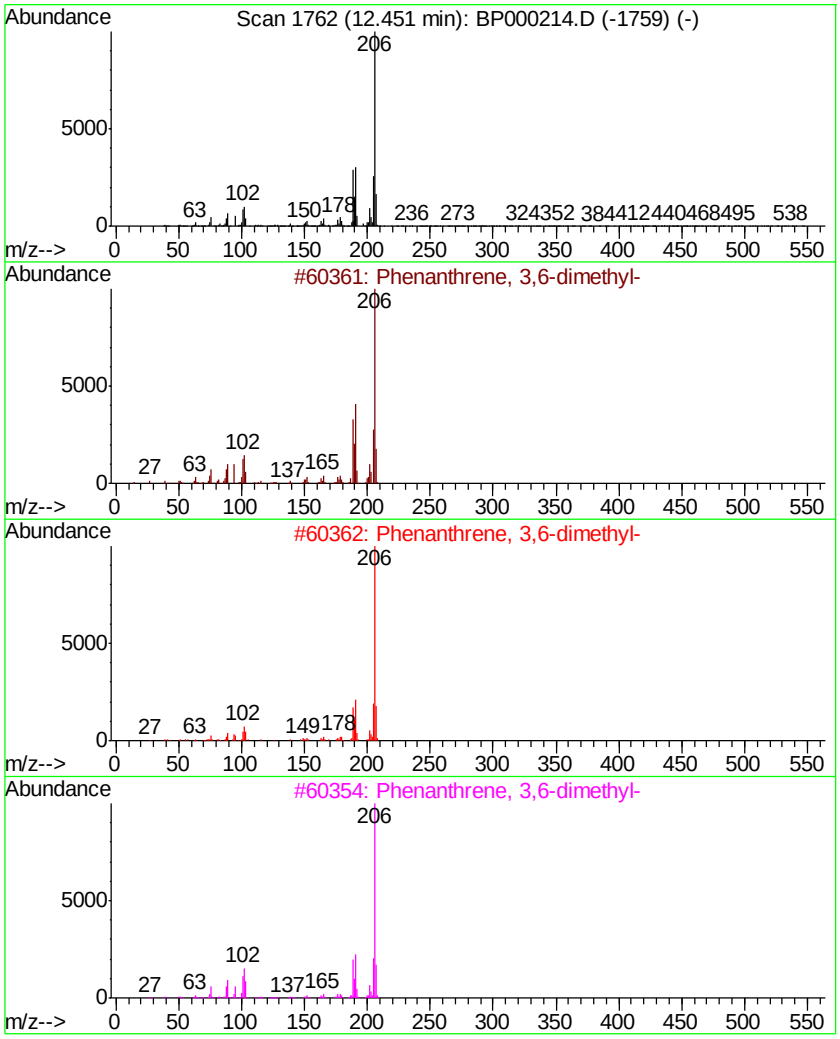
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

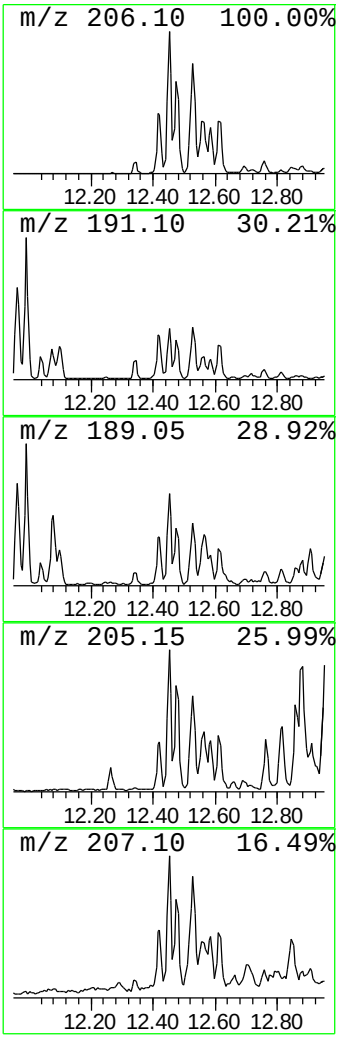
****

Peak Number 4 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.52 ng/ul	375843	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, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

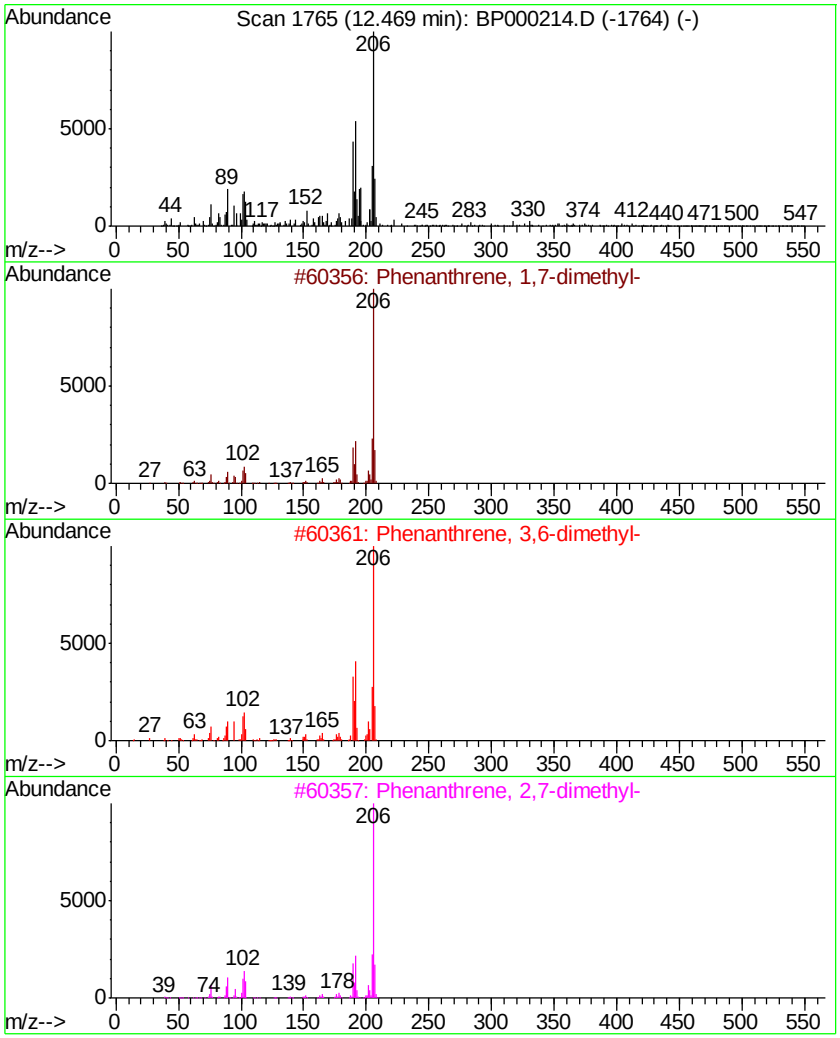
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

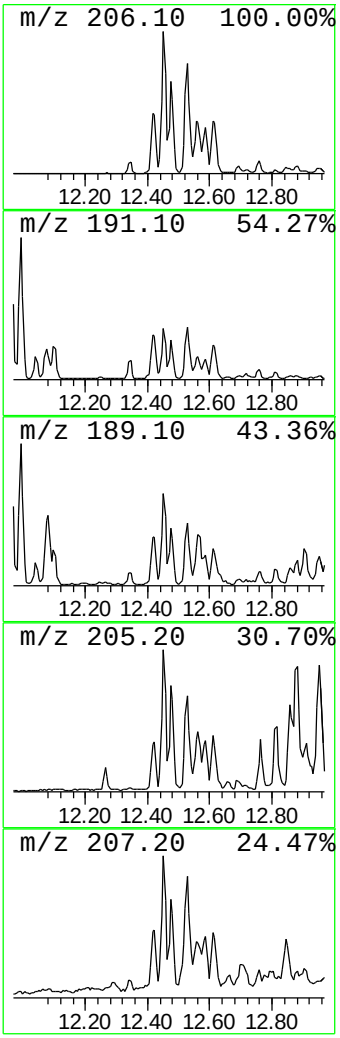
****

Peak Number 5 Phenanthrene, 1,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.03 ng/ul	303761	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





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Sample : K4633-12 30X
Misc :
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Instrument : BNA_P
ClientSampleId : F2D11

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Quant Title : SVOA CALIBRATION

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

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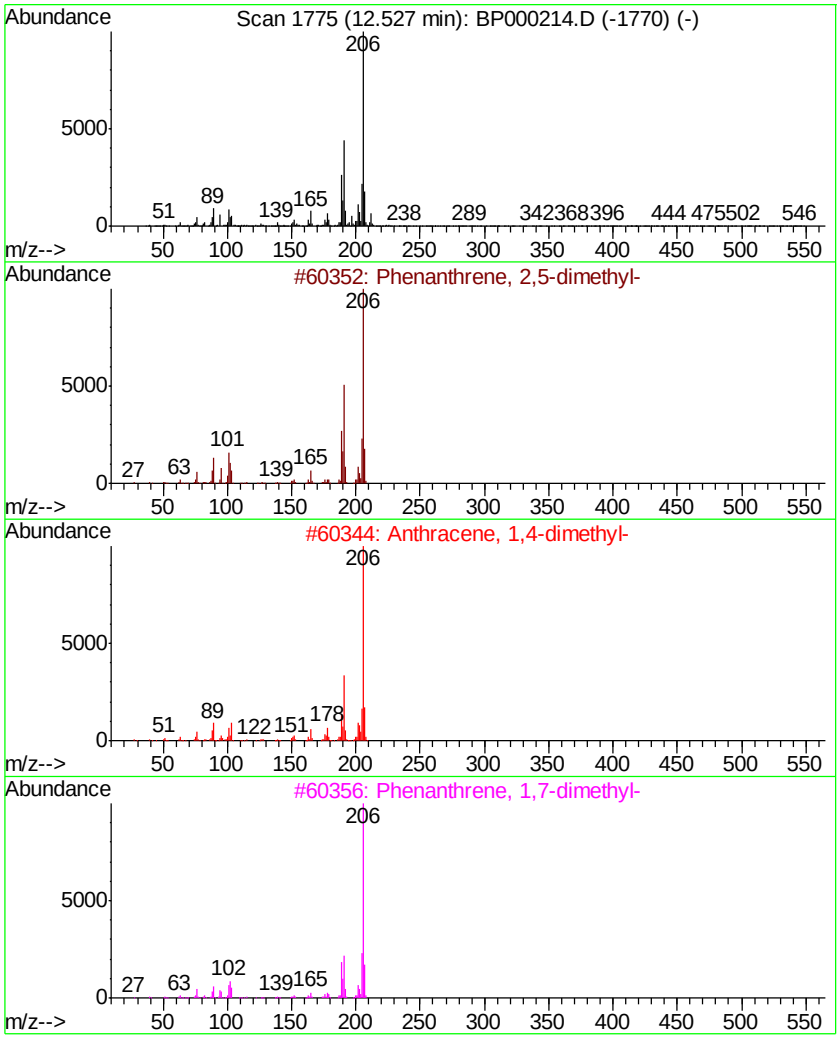
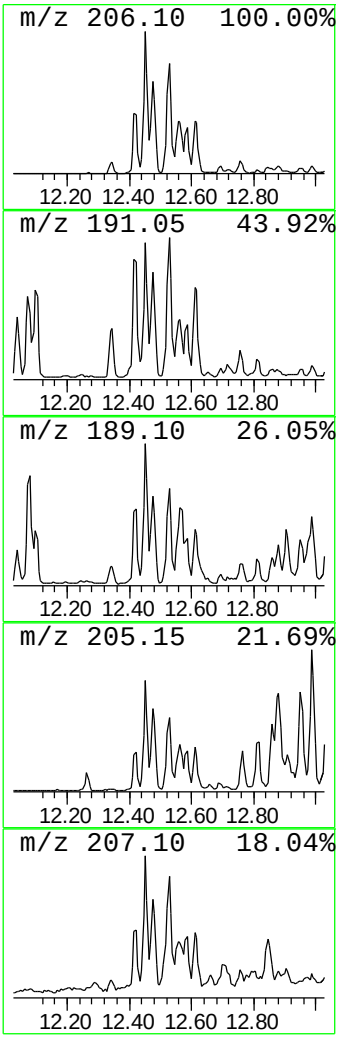
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.11 ng/ul	464399	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Quant Title : SVOA CALIBRATION

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

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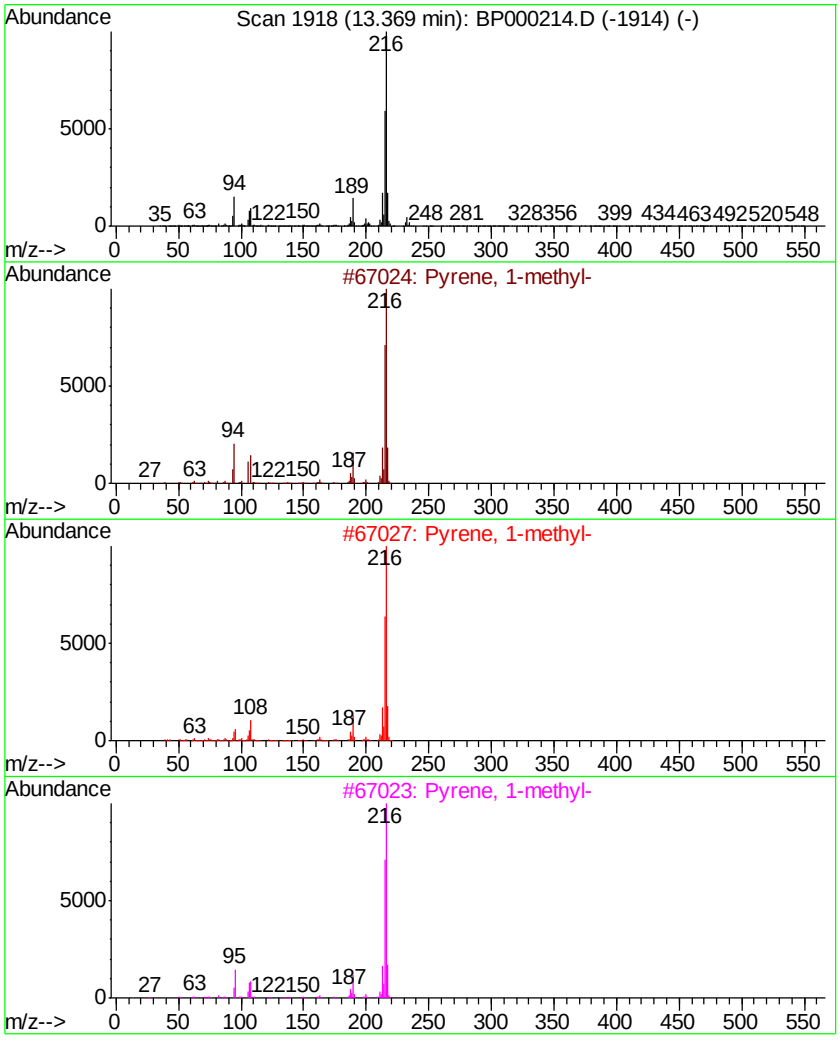
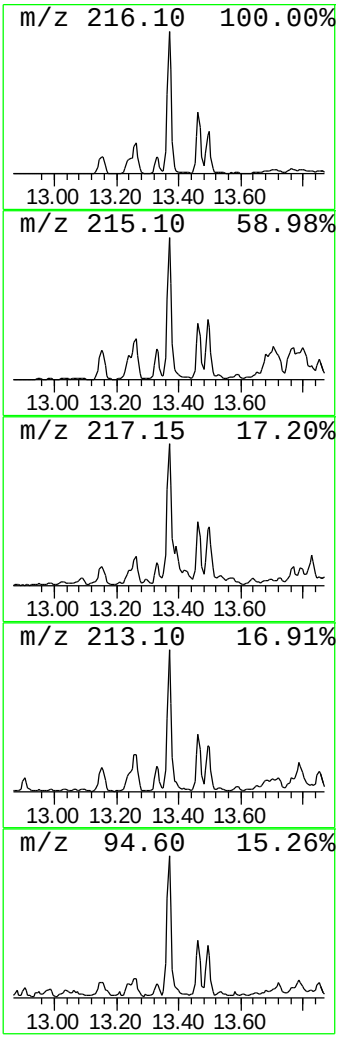
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	7.11 ng/ul	1856620	Chrysene-d12	14.16

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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94





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Misc :
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ClientSampleId : F2D11

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Quant Title : SVOA CALIBRATION

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

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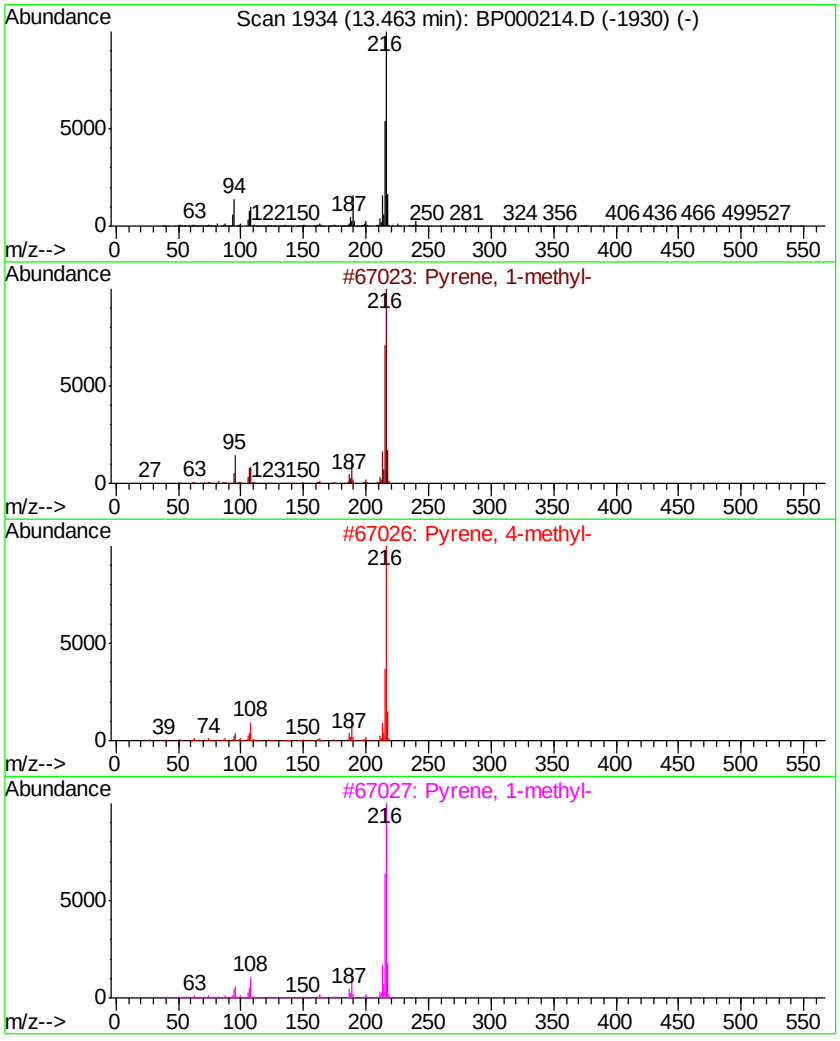
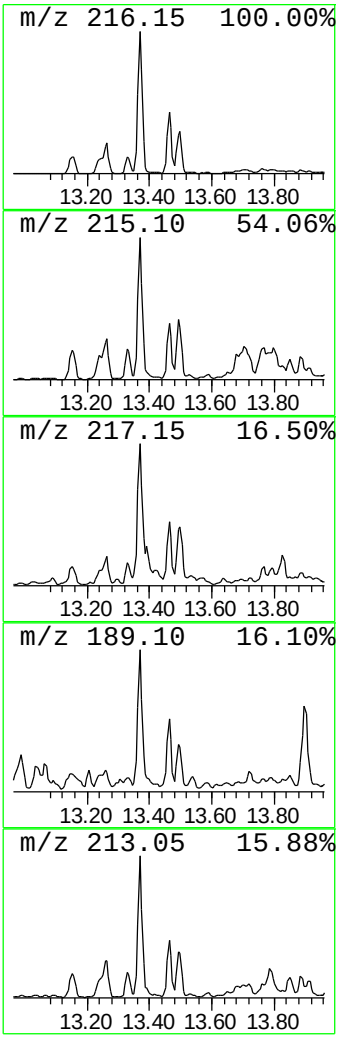
Peak Number 8 Pyrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.48 ng/ul	646882	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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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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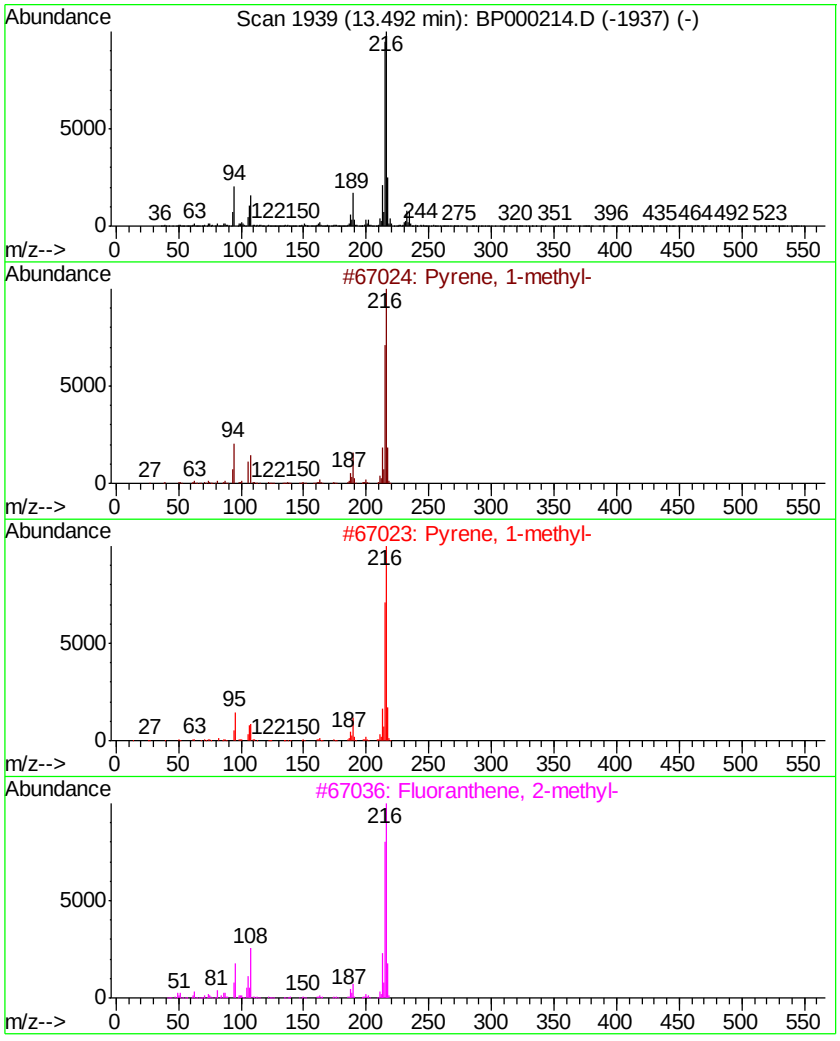
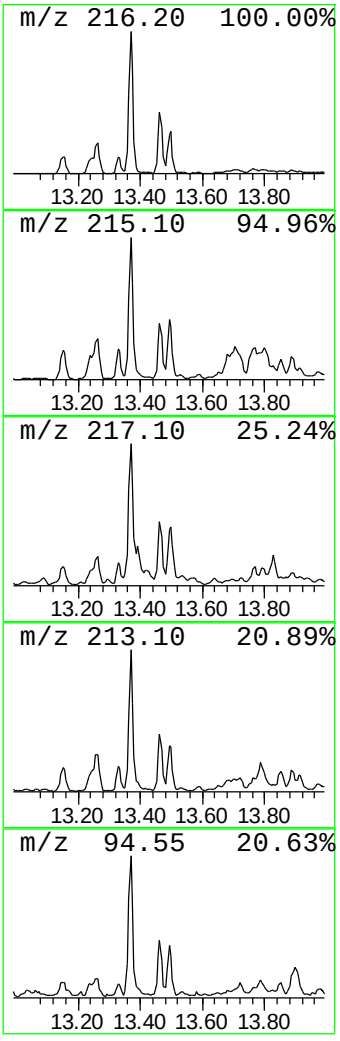
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.02 ng/ul	526455	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Quant Title : SVOA CALIBRATION

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

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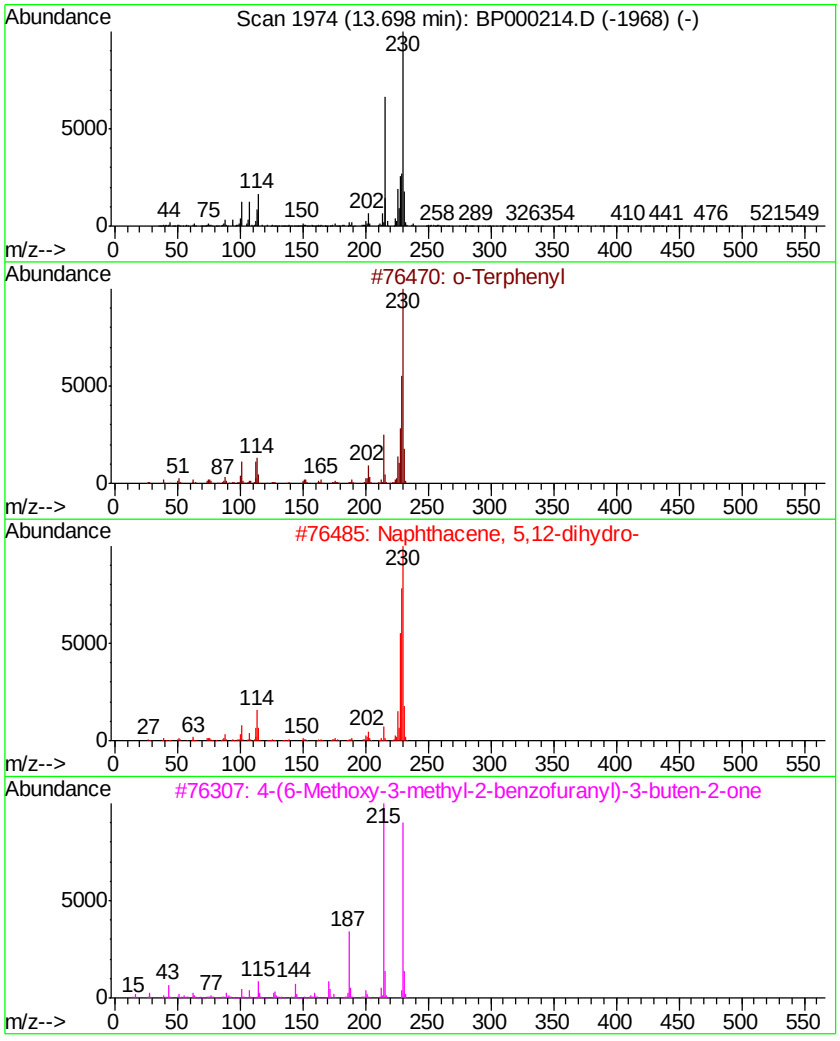
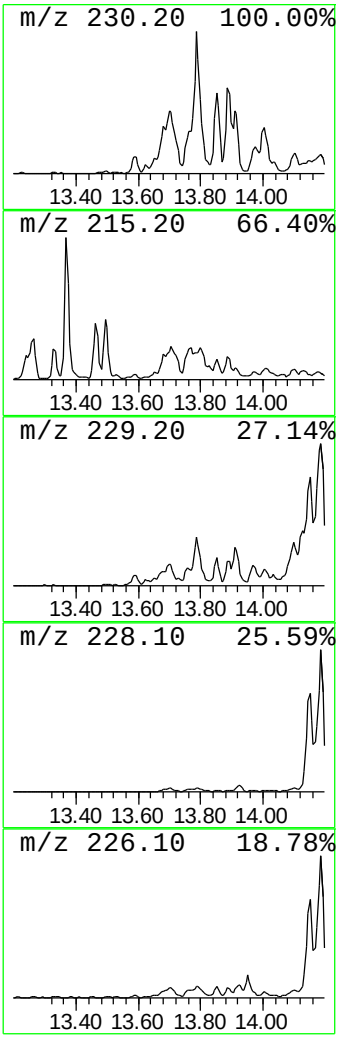
Peak Number 10 o-Terphenyl Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.03 ng/ul	530016	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	64
2	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	62
3	4-(6-Methoxy-3-methyl-2-benzofur...	230	C14H14O3	010444-37-8	62
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	55
5	Propyphenazone	230	C14H18N2O	000479-92-5	53





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Quant Title : SVOA CALIBRATION

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

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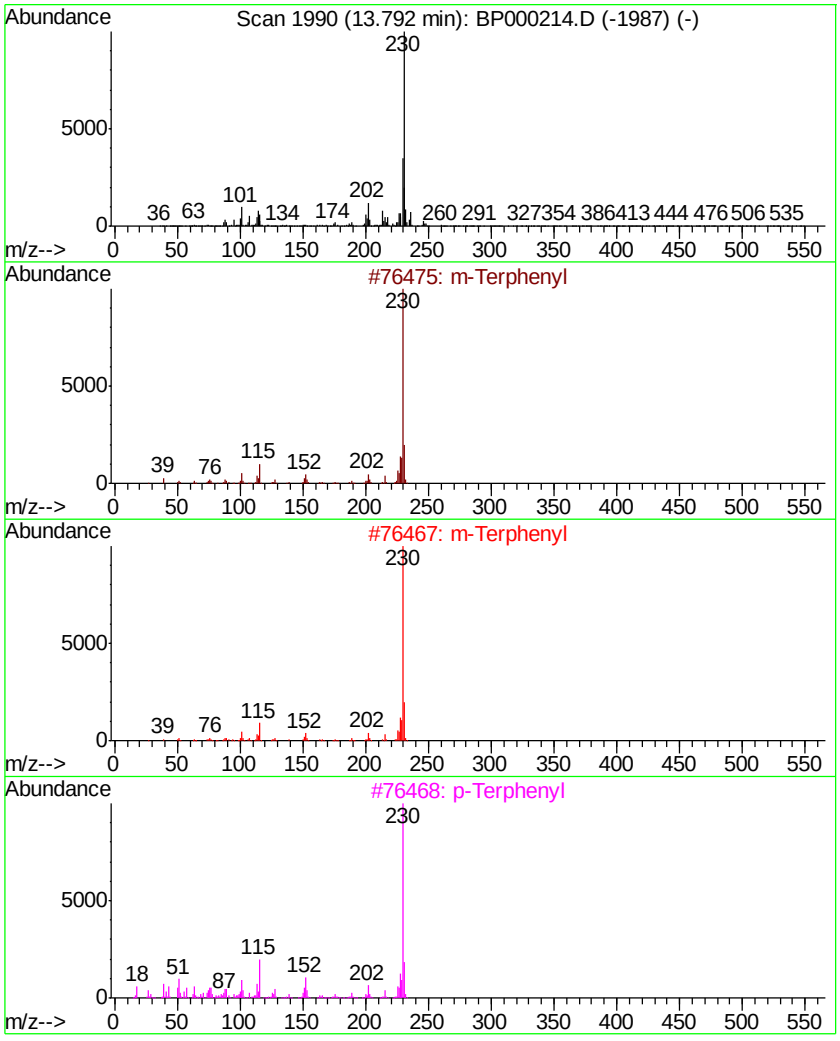
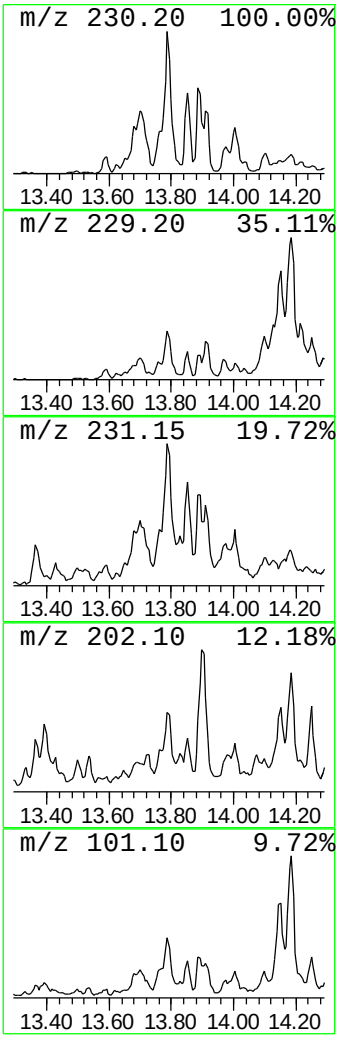
Peak Number 11 m-Terphenyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.76 ng/ul	720383	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Terphenyl	230	C18H14	000092-06-8	64
2	m-Terphenyl	230	C18H14	000092-06-8	64
3	p-Terphenyl	230	C18H14	000092-94-4	64
4	m-Terphenyl	230	C18H14	000092-06-8	64
5	Benzo(a)phenazine	230	C16H10N2	000225-61-6	64





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Quant Title : SVOA CALIBRATION

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

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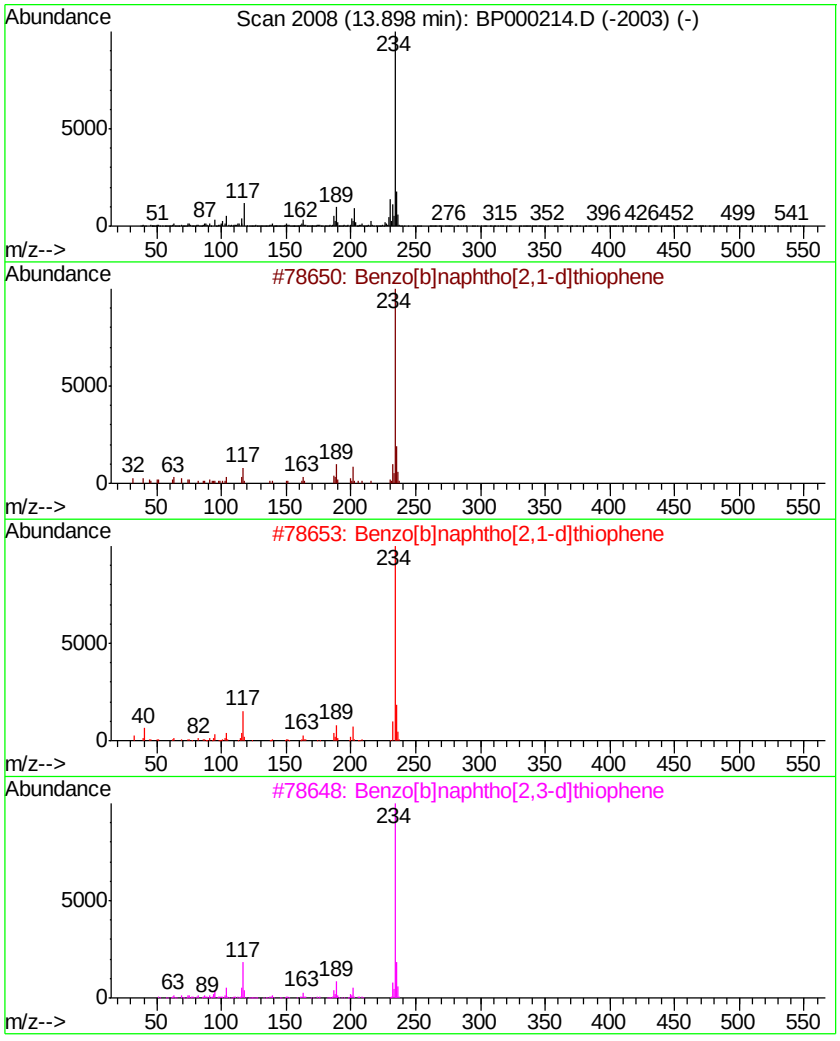
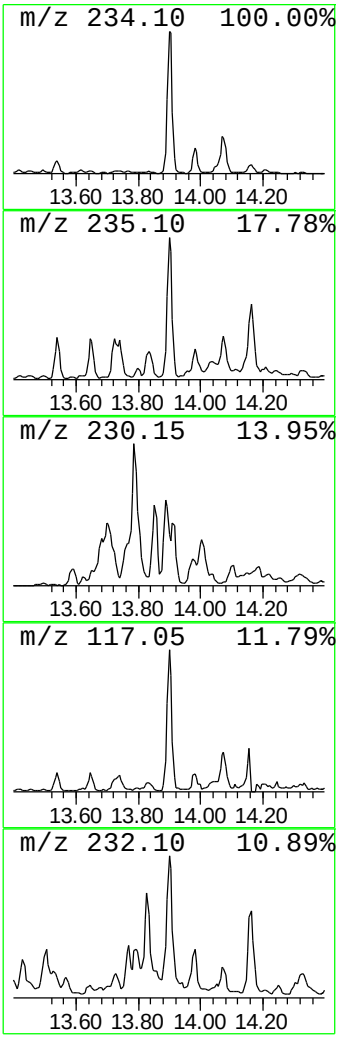
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	7.75 ng/ul	2025530	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





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Quant Title : SVOA CALIBRATION

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

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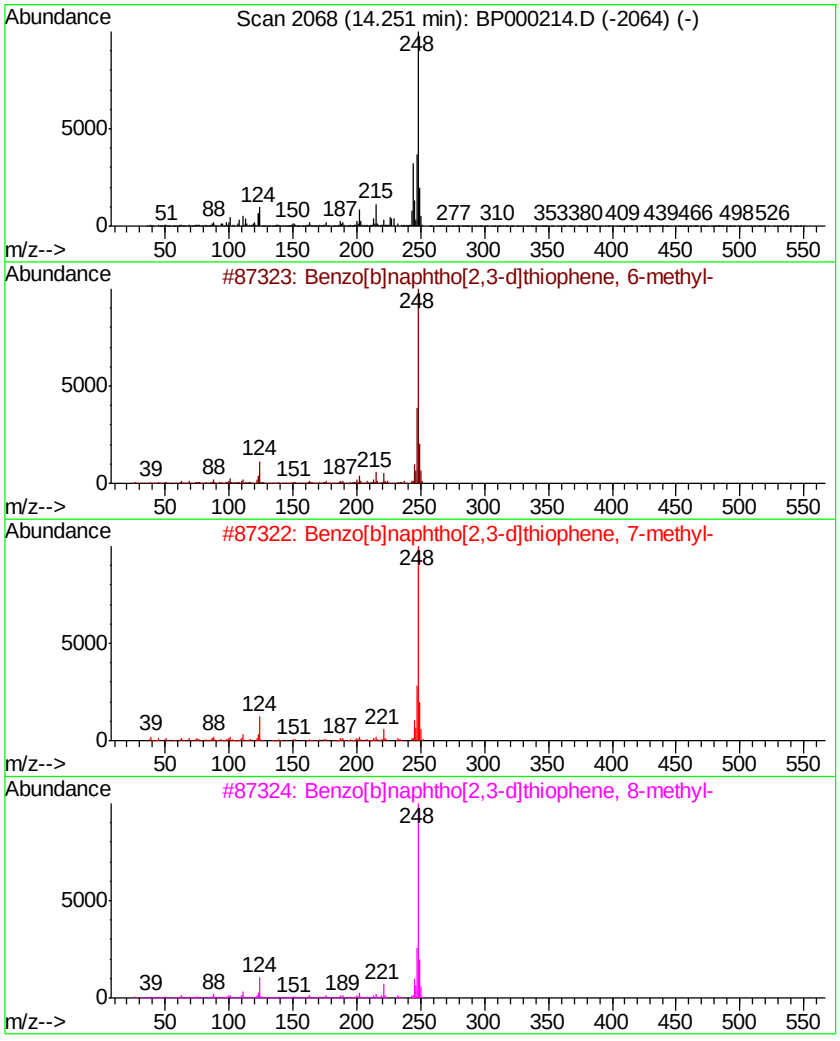
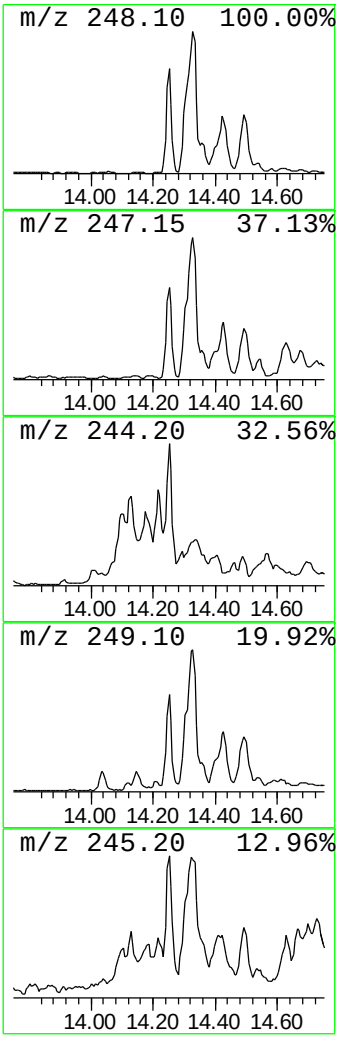
Peak Number 13 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	4.31 ng/ul	1125810	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	81
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	74
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	68
4	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	53
5	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	50





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Quant Title : SVOA CALIBRATION

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

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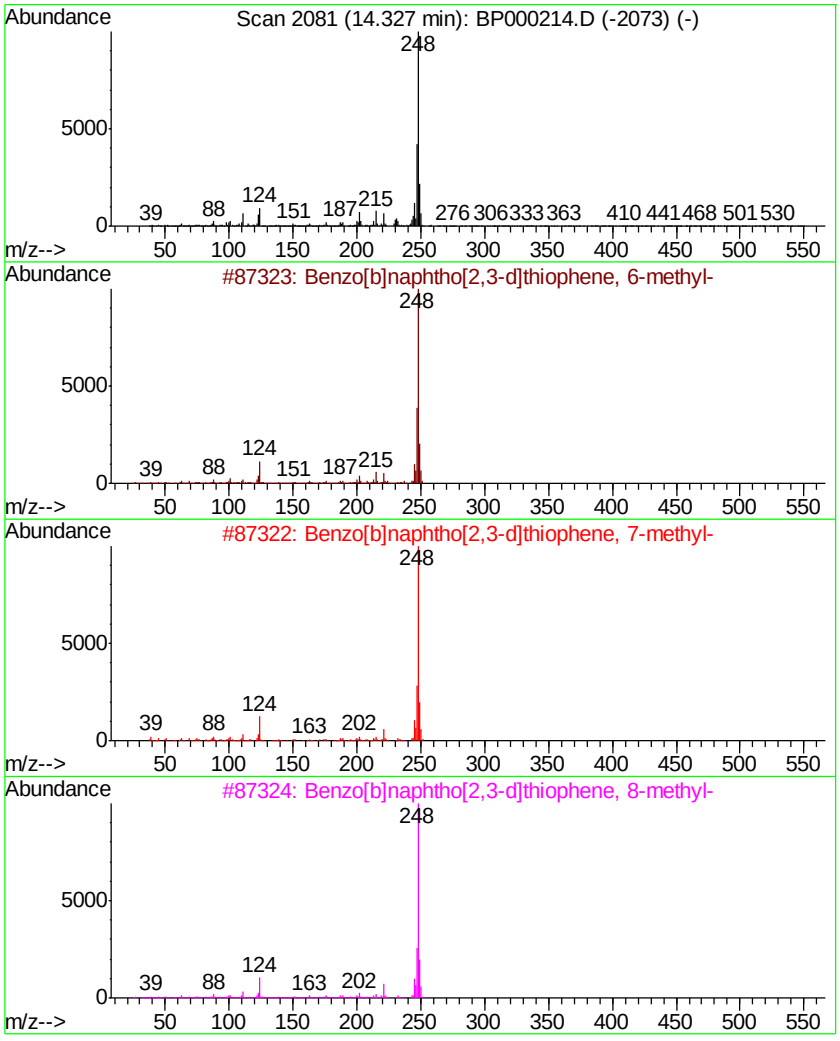
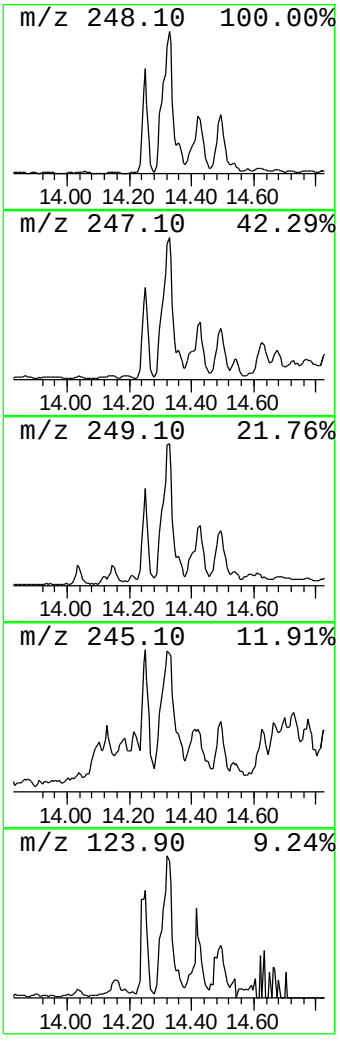
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	9.31 ng/ul	2430950	Chrysene-d12	14.16

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	91
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	90
4	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	72
5	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	72





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Quant Title : SVOA CALIBRATION

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

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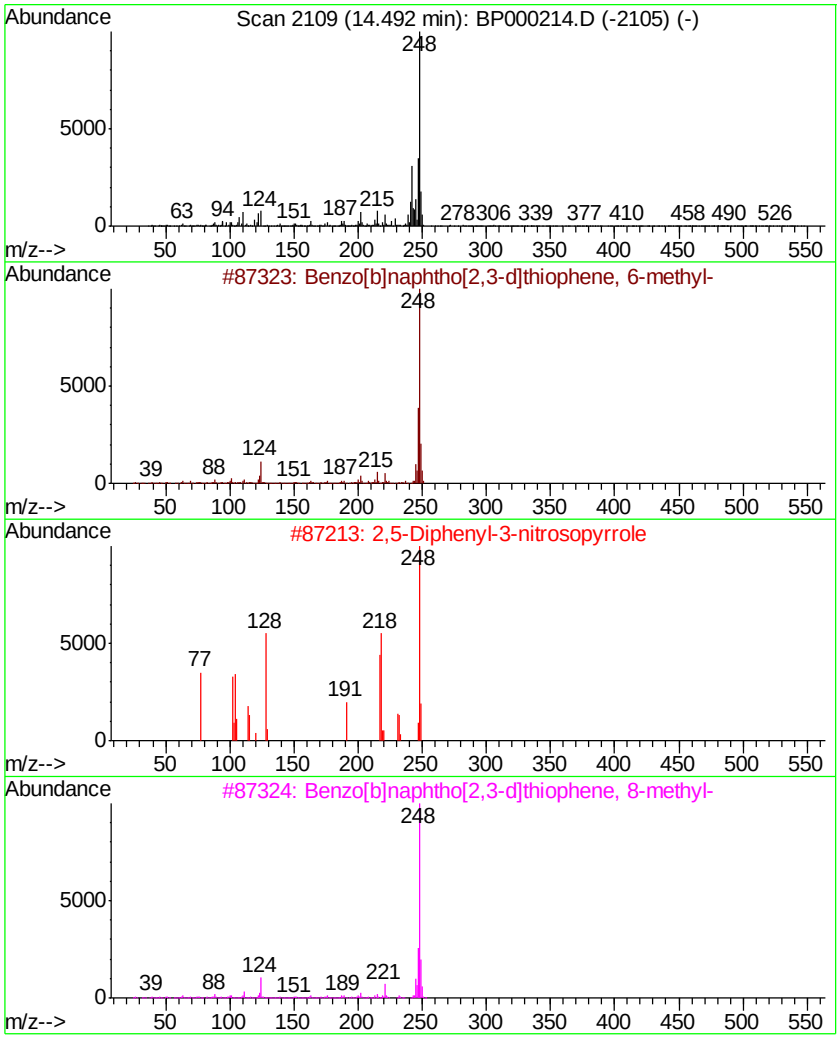
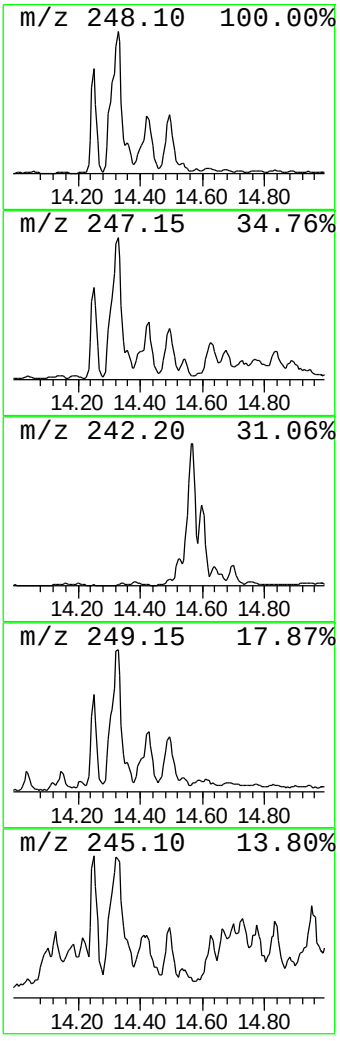
Peak Number 15 2,5-Diphenyl-3-nitrosopyrrole Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.21 ng/ul	575988	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	93
2	2,5-Diphenyl-3-nitrosopyrrole	248	C16H12N2O	075096-67-2	86
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	76
4	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	68
5	p-Cyanostyryl 6-methyl-3-pyridyl...	248	C16H12N2O	004637-01-8	50





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Quant Title : SVOA CALIBRATION

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

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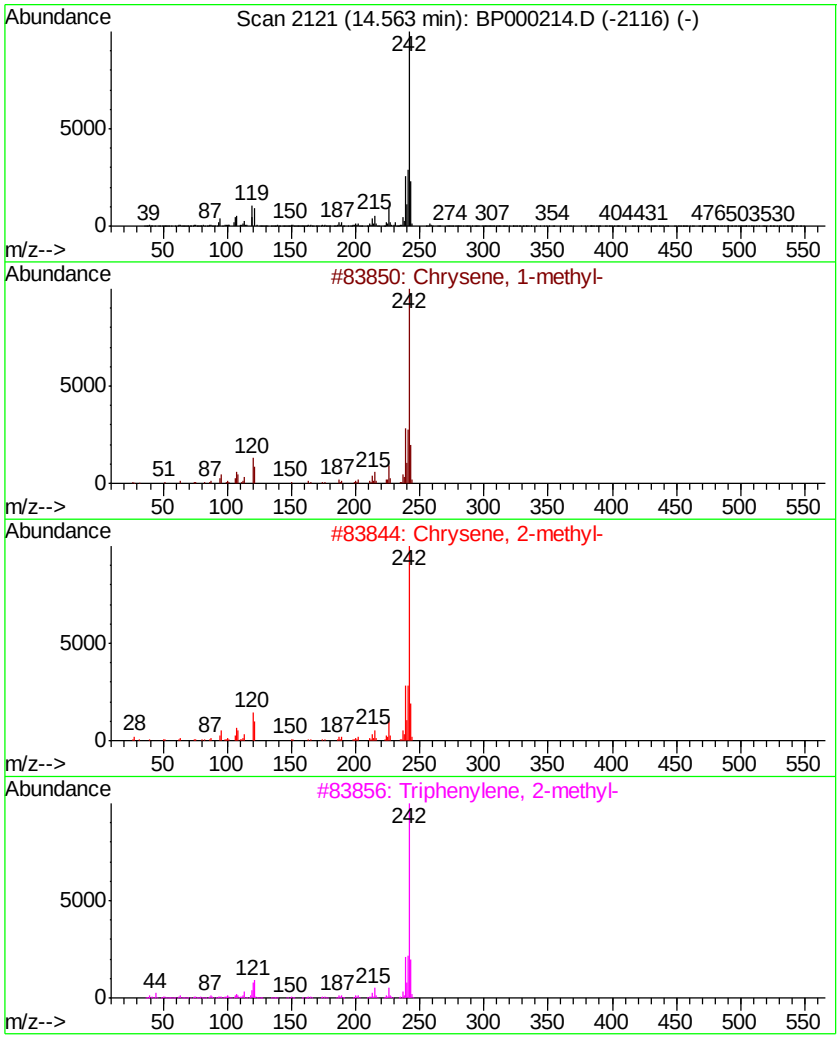
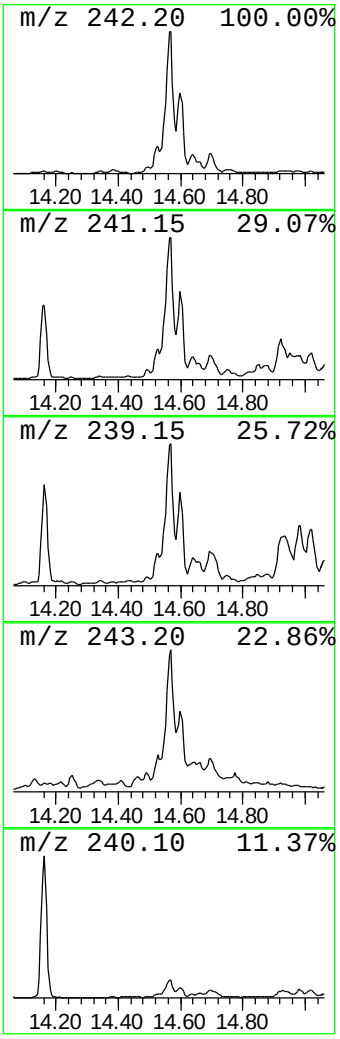
Peak Number 16 Chrysene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	14.06 ng/ul	3673670	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	96
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

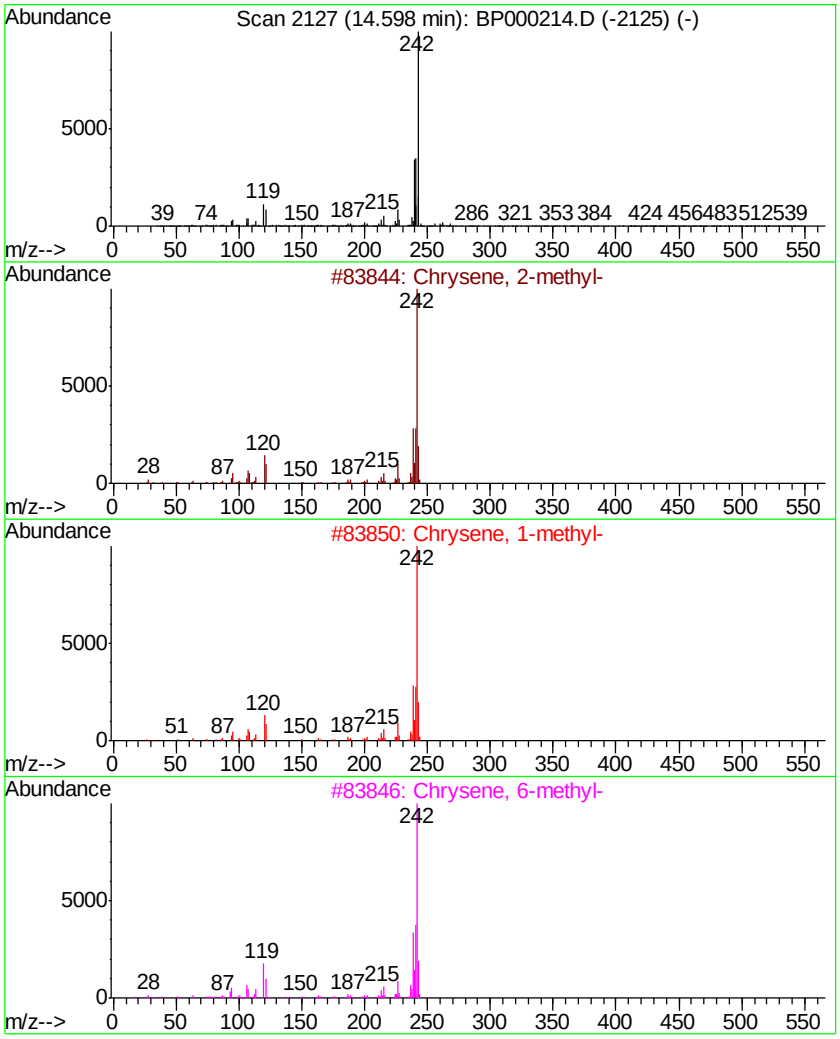
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

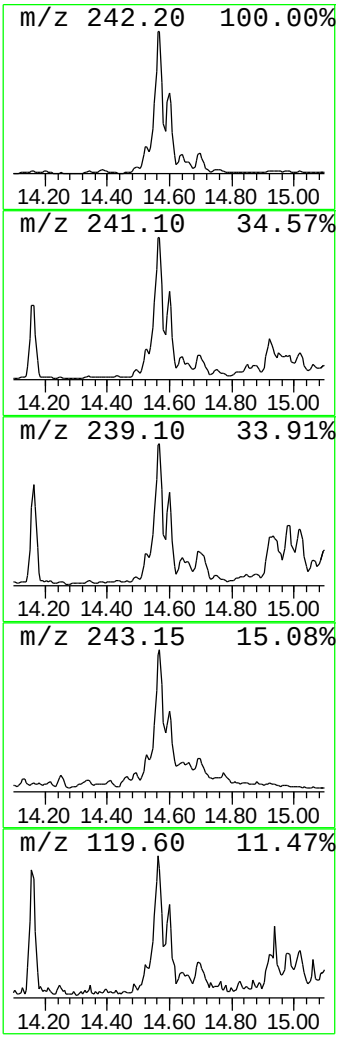
****

Peak Number 17 Chrysene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	4.37 ng/ul	1142450	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	86
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	83
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	83
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	70





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Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

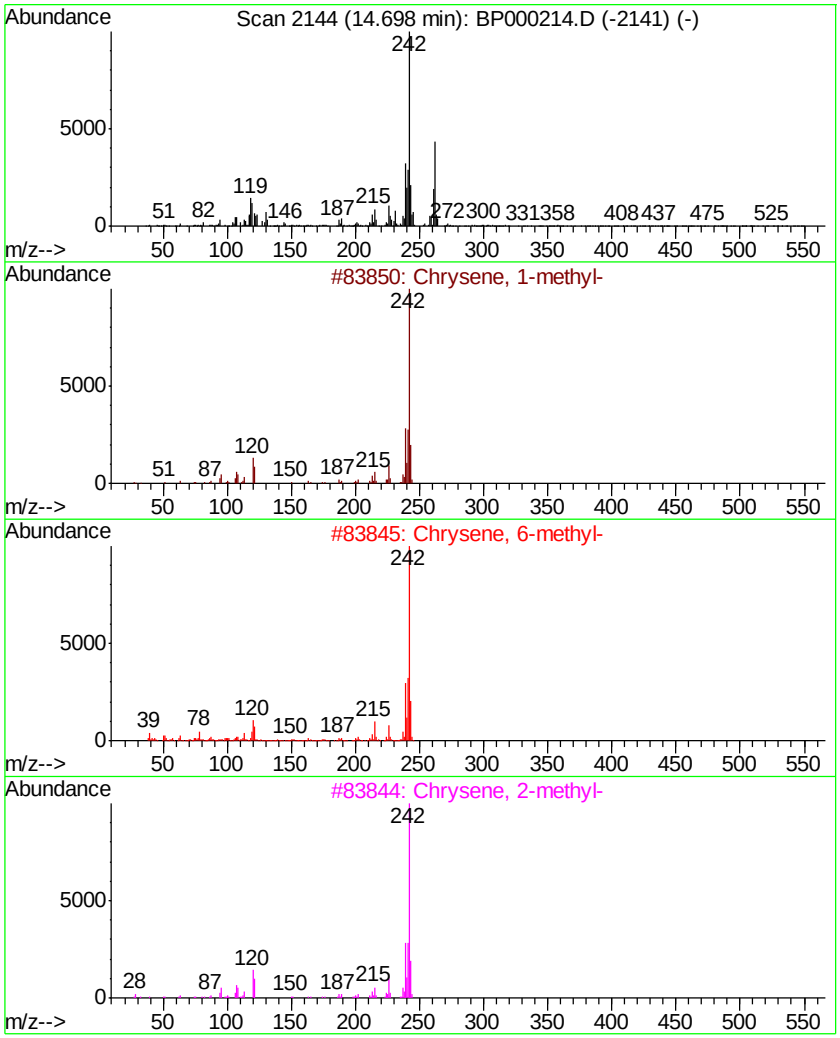
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

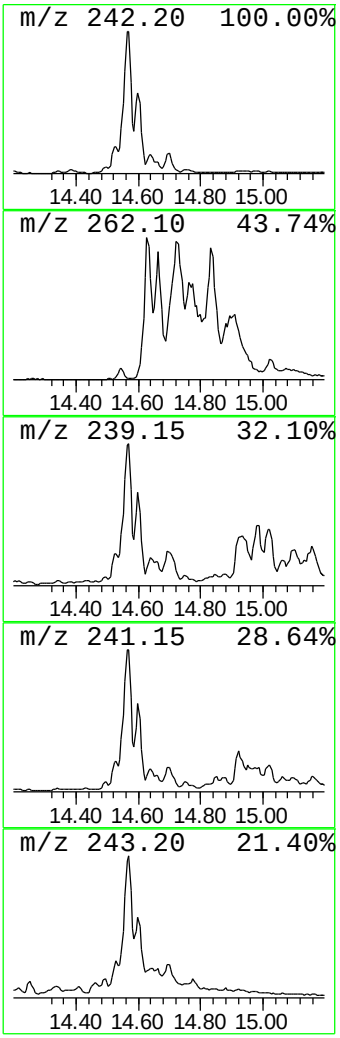
****

Peak Number 18 Chrysene, 6-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.89 ng/ul	1015140	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
2	Chrysene, 6-methyl-	242	C19H14	003697-24-3	86
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	64
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	55
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	50





Library Search Compound Report

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Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

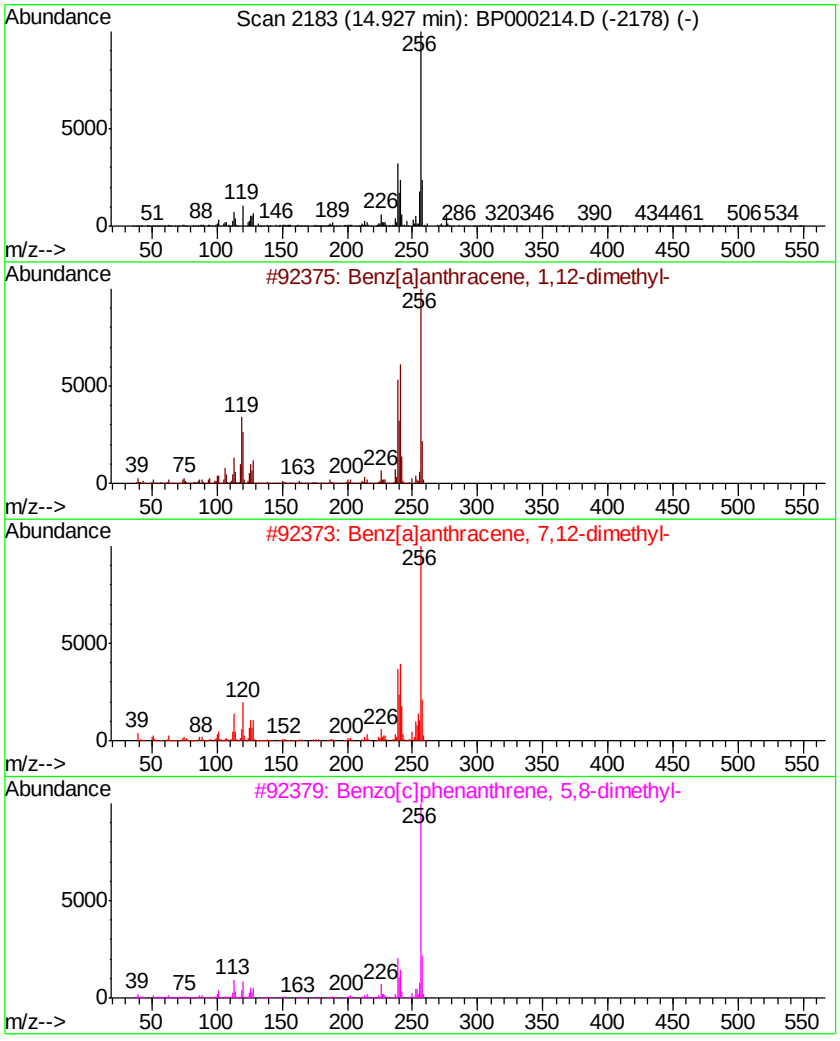
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

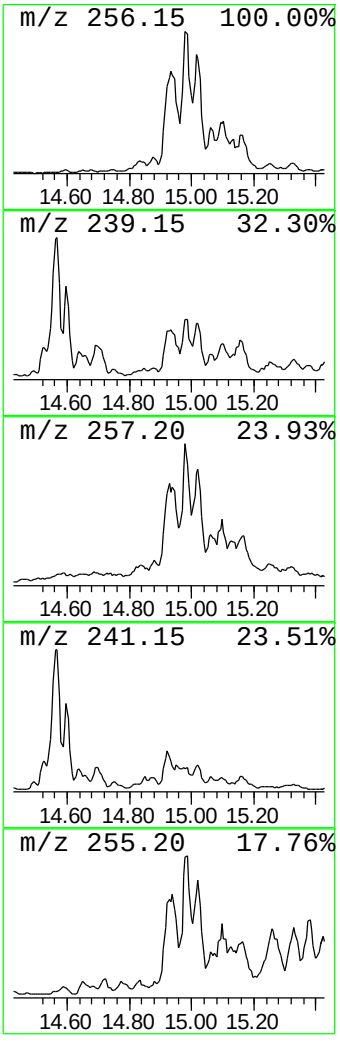
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benz[a]anthracene, 1,12-dim... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.79 ng/ul	990655	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	90
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	90
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	89
4	3,4-Dihydro-1,1'-binaphthalene	256	C20H16	021039-44-1	74
5	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	74





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Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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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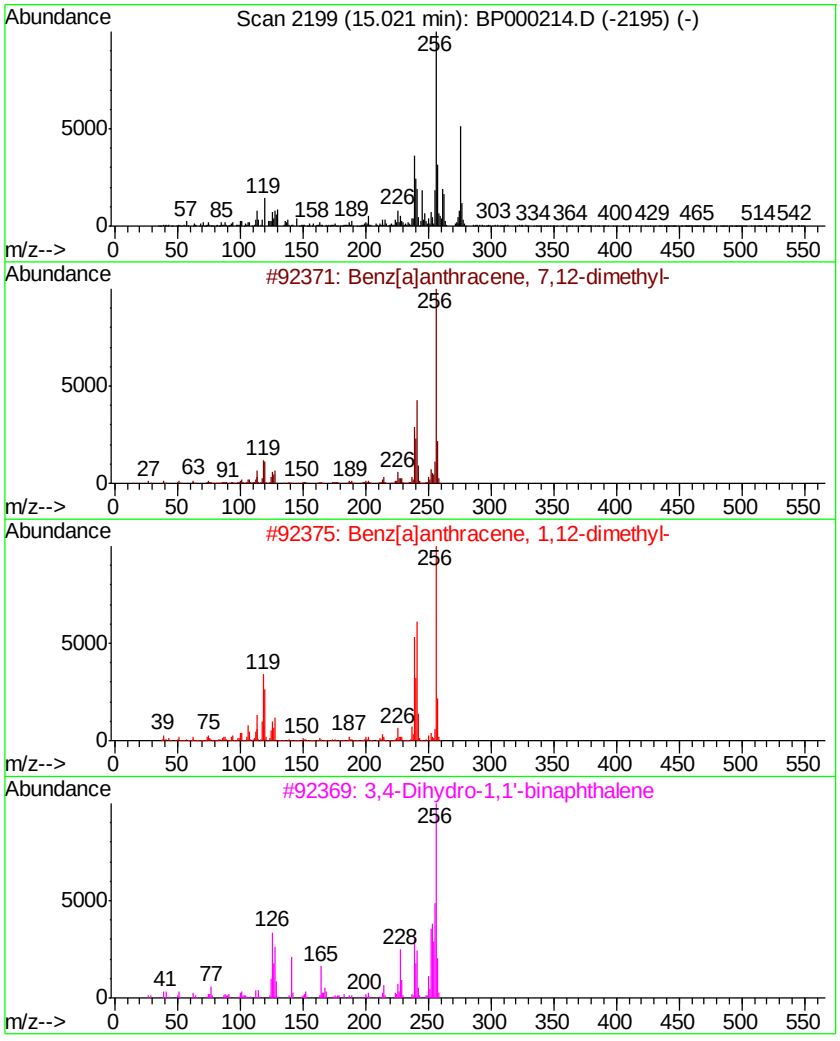
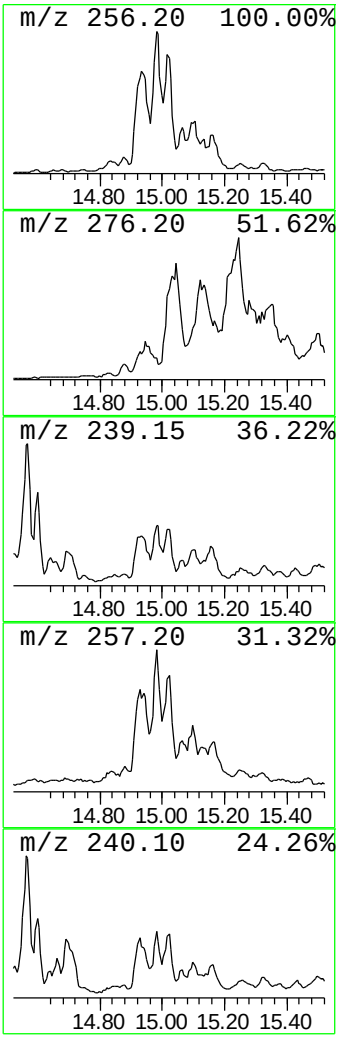
Peak Number 21 Benz[a]anthracene, 7,12-dim... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	12.30 ng/ul	1161120	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	78
2	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	53
3	3,4-Dihydro-1,1'-binaphthalene	256	C20H16	021039-44-1	47
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	46
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	45





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Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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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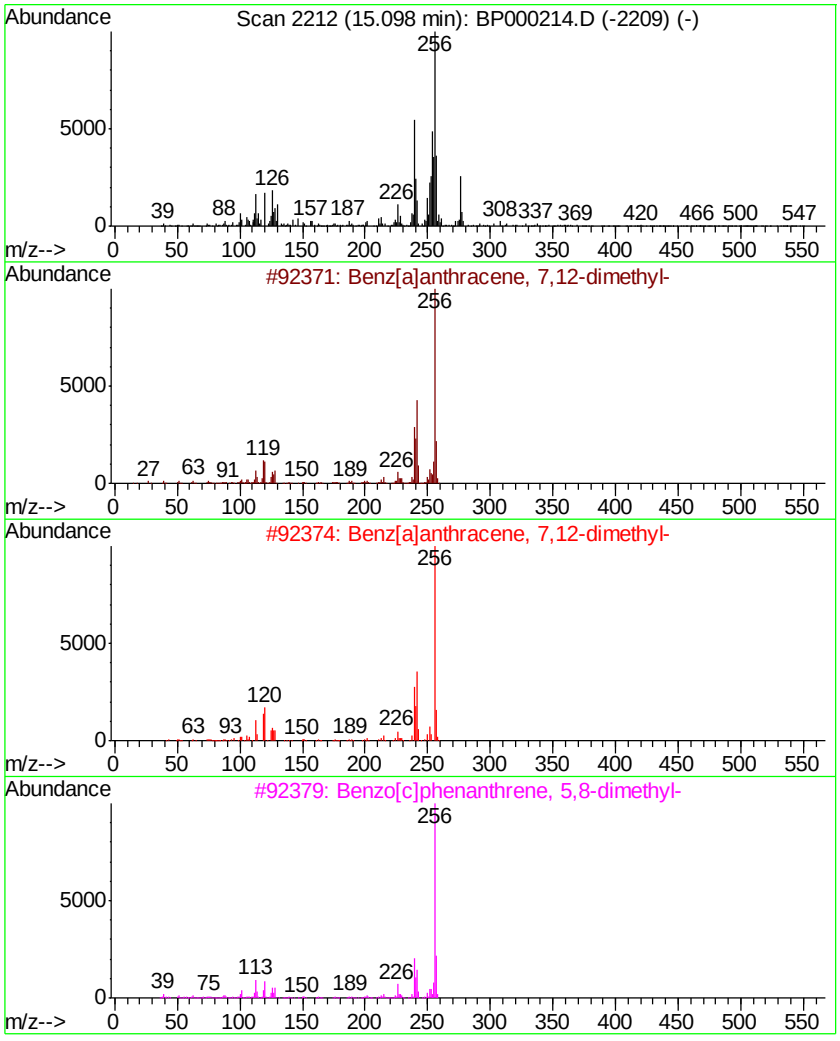
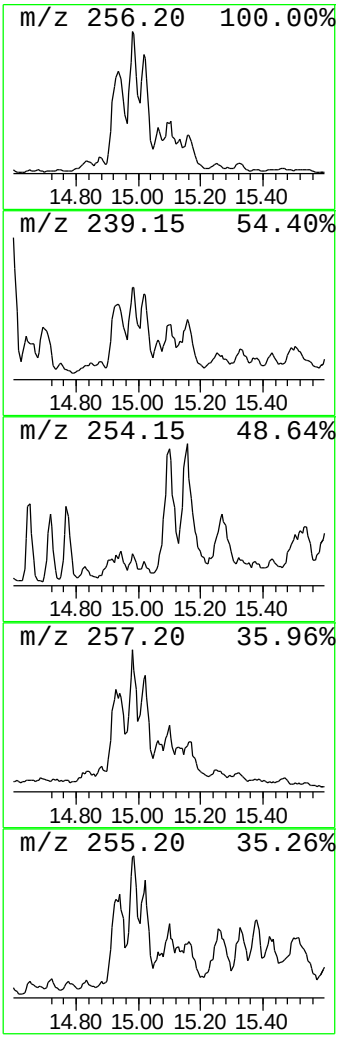
Peak Number 22 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	4.91 ng/ul	463776	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	46
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	41
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	38
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	38
5	4-[4-Amidoximinophnoxy]benzaldehyde	256	C14H12N2O3	1000212-42-7	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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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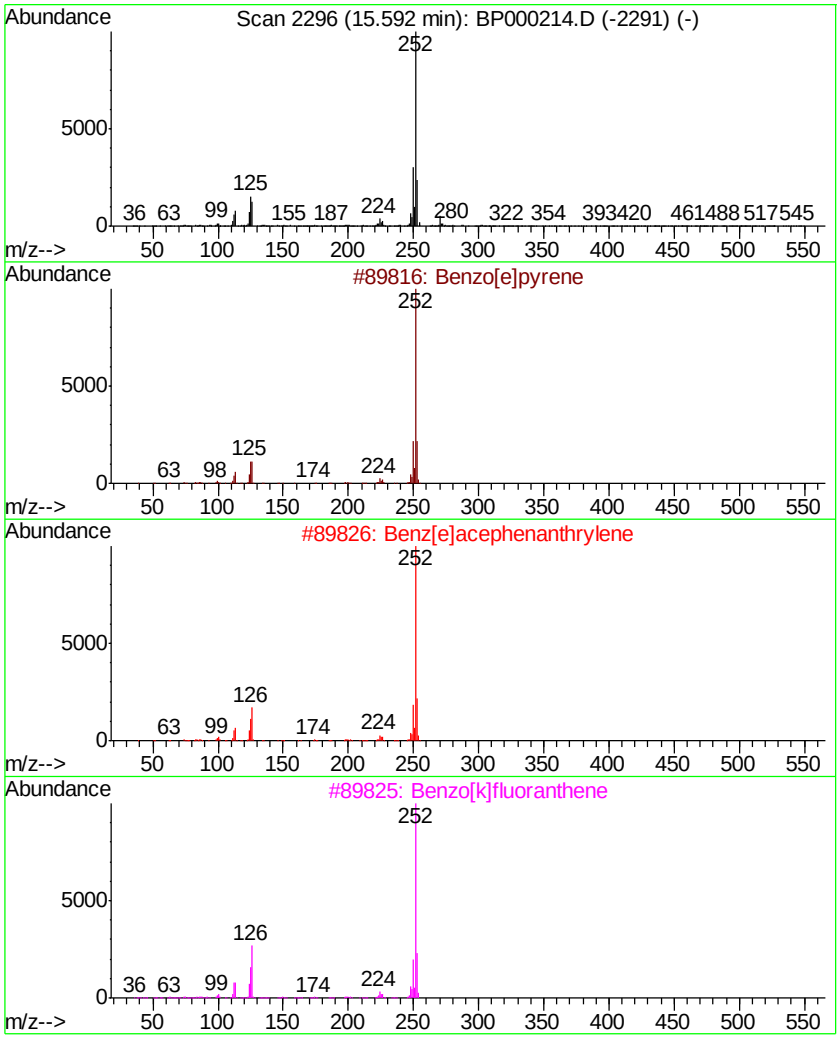
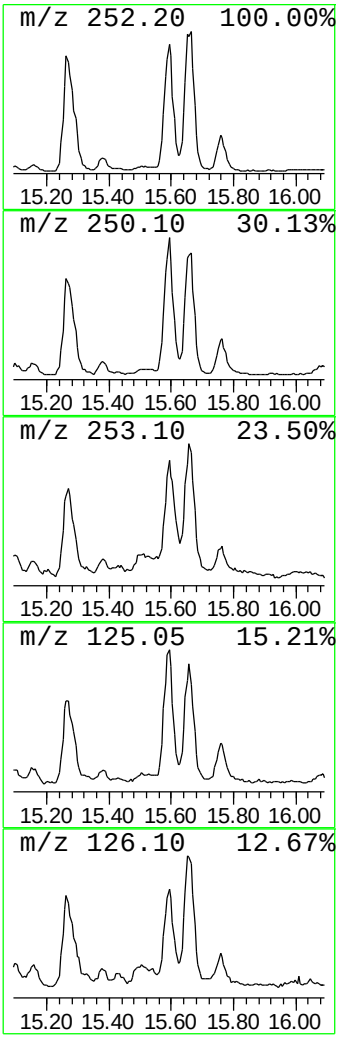
Peak Number 23 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	17.24 ng/ul	1627200	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	93





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Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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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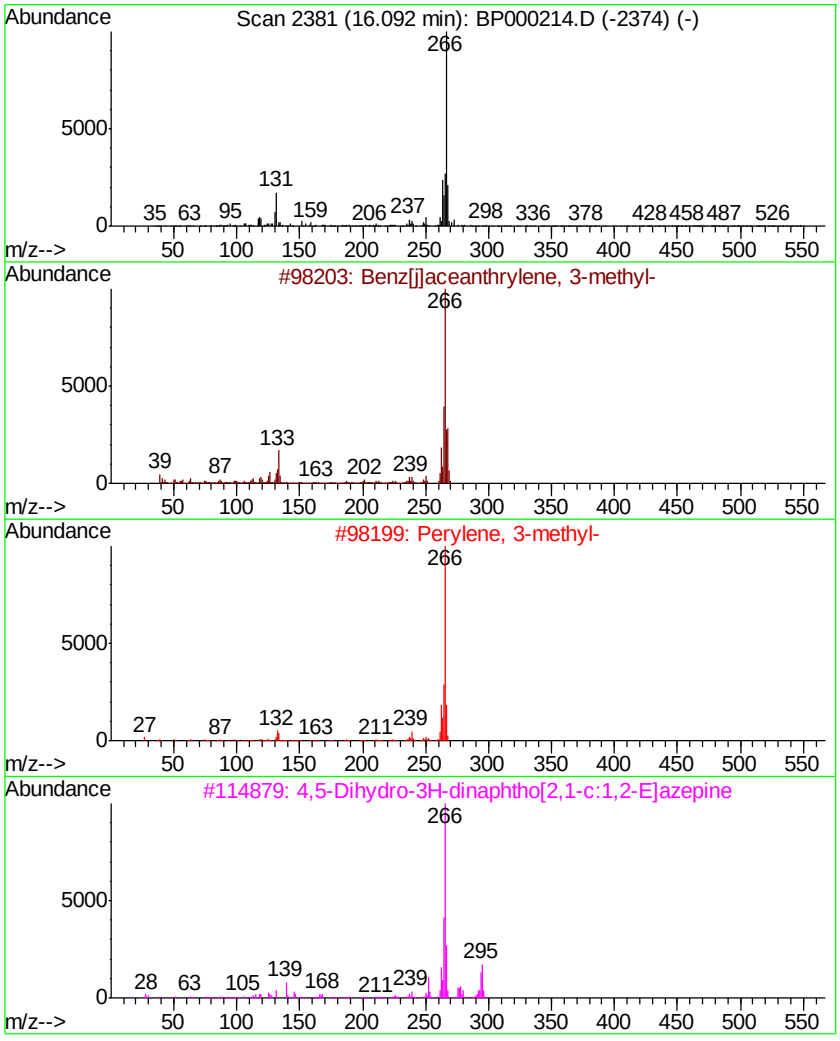
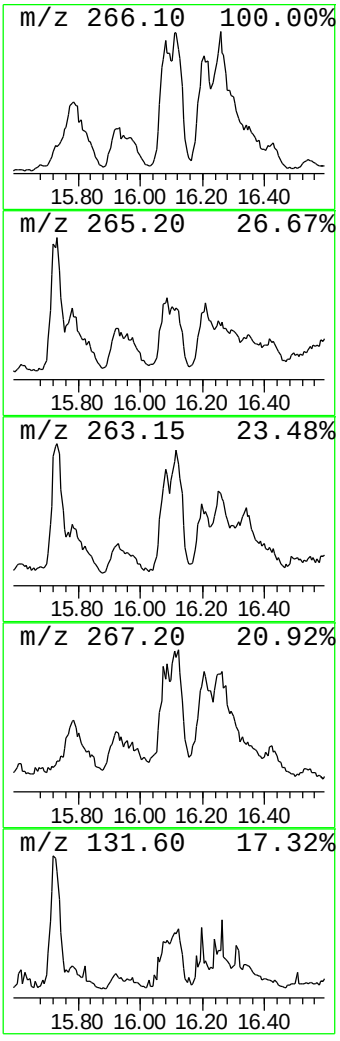
Peak Number 24 Benz[j]aceanthrylene, 3-met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	7.06 ng/ul	666363	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	93
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	64
3	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	59
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	58
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	53





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Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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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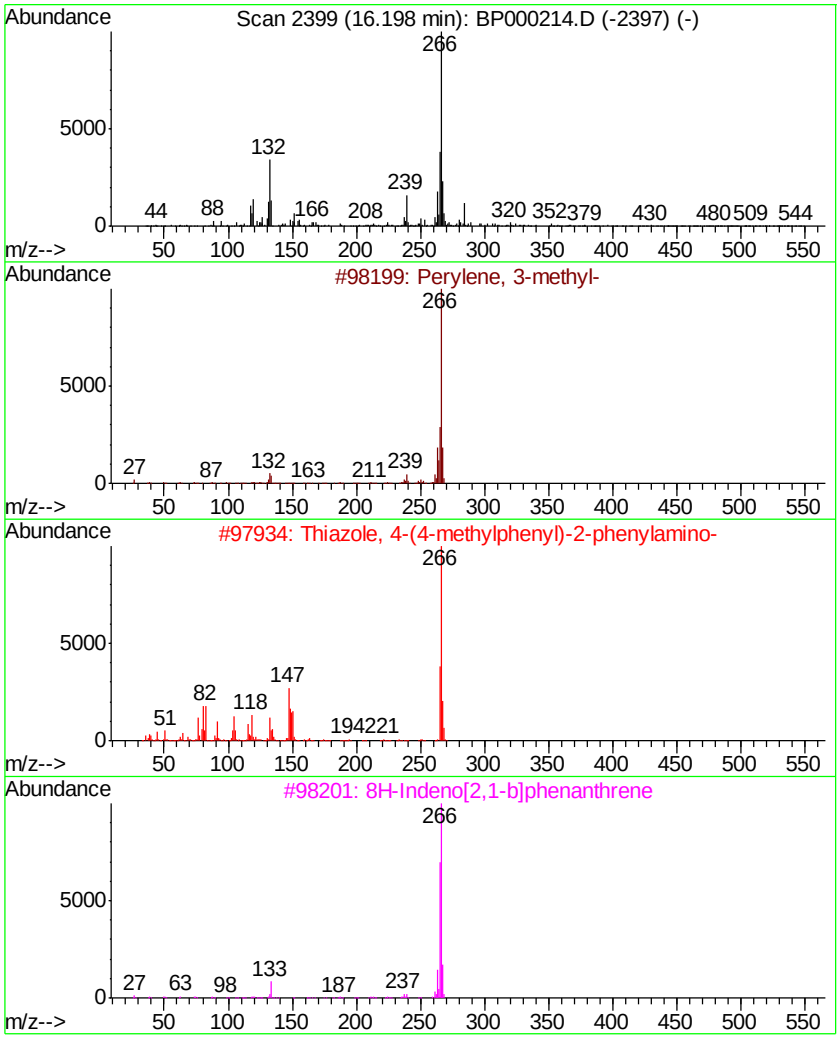
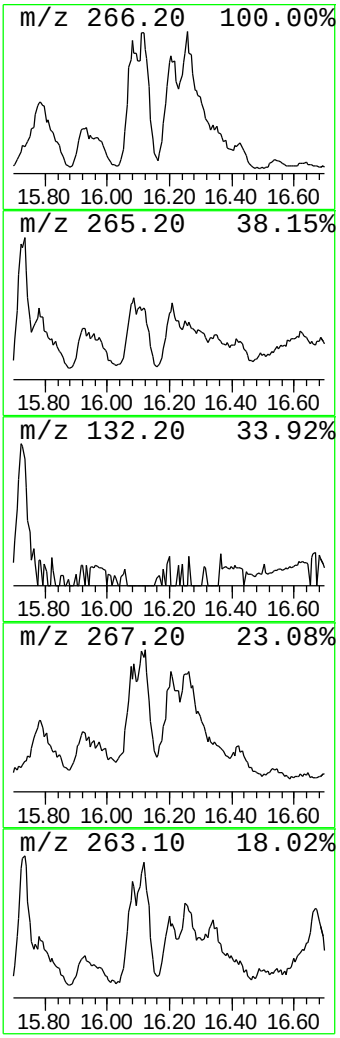
Peak Number 25 Perylene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	3.47 ng/ul	327034	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	68
2	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	64
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	60
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	58
5	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D11

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.16	5.5	ng/ul	508476	1	6.89	1854630	20.0
Phenanthrene, 2-m...	11.96	2.8	ng/ul	416783	4	11.45	2986990	20.0
Phenanthrene, 1-m...	11.99	3.8	ng/ul	560808	4	11.45	2986990	20.0
Phenanthrene, 3,6...	12.45	2.5	ng/ul	375843	4	11.45	2986990	20.0
Phenanthrene, 1,7...	12.47	2.0	ng/ul	303761	4	11.45	2986990	20.0
Phenanthrene, 2,5...	12.53	3.1	ng/ul	464399	4	11.45	2986990	20.0
Pyrene, 1-methyl-	13.37	7.1	ng/ul	1856620	5	14.16	5224110	20.0
Pyrene, 4-methyl-	13.46	2.5	ng/ul	646882	5	14.16	5224110	20.0
Fluoranthene, 2-m...	13.49	2.0	ng/ul	526455	5	14.16	5224110	20.0
o-Terphenyl	13.70	2.0	ng/ul	530016	5	14.16	5224110	20.0
m-Terphenyl	13.79	2.8	ng/ul	720383	5	14.16	5224110	20.0
Benzo[b]naphtho[2...	13.90	7.8	ng/ul	2025530	5	14.16	5224110	20.0
Benzo[b]naphtho[2...	14.25	4.3	ng/ul	1125810	5	14.16	5224110	20.0
Benzo[b]naphtho[2...	14.33	9.3	ng/ul	2430950	5	14.16	5224110	20.0
2,5-Diphenyl-3-ni...	14.49	2.2	ng/ul	575988	5	14.16	5224110	20.0
Chrysene, 1-methyl-	14.56	14.1	ng/ul	3673670	5	14.16	5224110	20.0
Chrysene, 2-methyl-	14.60	4.4	ng/ul	1142450	5	14.16	5224110	20.0
Chrysene, 6-methyl-	14.70	3.9	ng/ul	1015140	5	14.16	5224110	20.0
Benz[a]anthracene...	14.93	3.8	ng/ul	990655	5	14.16	5224110	20.0
Benz[a]anthracene...	15.02	12.3	ng/ul	1161120	6	15.73	1887230	20.0
Benzo[c]phenanthr...	15.10	4.9	ng/ul	463776	6	15.73	1887230	20.0
Benzo[e]pyrene	15.59	17.2	ng/ul	1627200	6	15.73	1887230	20.0
Benz[j]aceanthryl...	16.09	7.1	ng/ul	666363	6	15.73	1887230	20.0
Perylene, 3-methyl-	16.20	3.5	ng/ul	327034	6	15.73	1887230	20.0