LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014369.D
Acq On : 26 Feb 2018 22:48
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	4.681	284	288	298	rVB	109585	184581	1.40%	0.119%
2	6.728	629	636	650	rVB	812706	1611773	12.19%	1.035%
3	6.881	656	662	673	rBV	655029	1048248	7.93%	0.673%
4	7.063	687	693	702	rBV	967475	1572835	11.90%	1.010%
5	7.528	765	772	782	rVV	746800	1234751	9.34%	0.793%
6	7.651	786	793	802	rVB2	138710	239995	1.82%	0.154%
7	8.251	888	895	902	rBV	920879	1622057	12.27%	1.042%
8	8.351	908	912	920	rVB	89057	157236	1.19%	0.101%
9	8.686	961	969	981	rBV	992883	1706716	12.91%	1.096%
10	9.398	1083	1090	1098	rBV	849753	1473808	11.15%	0.947%
11	9.933	1175	1181	1194	rBV	1117860	2113824	15.99%	1.358%
12	10.298	1234	1243	1248	rBV	1091284	1821901	13.78%	1.170%
13	10.345	1248	1251	1258	rVB	238478	371757	2.81%	0.239%
14	10.457	1261	1270	1286	rBV2	540886	1162135	8.79%	0.746%
15	11.969	1522	1527	1533	rVB	113870	181285	1.37%	0.116%
16	12.198	1560	1566	1571	rVB2	75565	133625	1.01%	0.086%
17	12.998	1697	1702	1713	rBV4	66120	152011	1.15%	0.098%
18	13.498	1779	1787	1792	rBV4	77344	153851	1.16%	0.099%
19	13.610	1800	1806	1810	rBV	2158160	3048595	23.06%	1.958%
20	13.651	1810	1813	1819	rVB	1061860	1429367	10.81%	0.918%
21	13.874	1840	1851	1864	rBV	2549002	4109900	31.09%	2.640%
22	14.086	1879	1887	1893	rBV	132426	174958	1.32%	0.112%
23	14.186	1896	1904	1910	rVV2	1441303	2309406	17.47%	1.483%
24	14.245	1910	1914	1925	rVB	248750	401326	3.04%	0.258%
25	14.451	1943	1949	1955	rBV	324375	673761	5.10%	0.433%
26	14.592	1968	1973	1977	rBV	193967	289749	2.19%	0.186%
27	15.045	2044	2050	2057	rVB3	185216	374548	2.83%	0.241%
28	15.186	2067	2074	2079	rBV	2980001	4070254	30.79%	2.614%
29	15.239	2079	2083	2090	rVB	262243	395283	2.99%	0.254%
30	15.345	2096	2101	2108	rBV5	240179	429541	3.25%	0.276%
31	15.539	2130	2134	2141	rBV4	90377	147433	1.12%	0.095%
32	15.686	2156	2159	2166	rVB2	101662	186048	1.41%	0.119%
33	15.915	2193	2198	2206	rBV4	204088	485767	3.67%	0.312%
34	16.115	2228	2232	2243	rVB3	134205	257777	1.95%	0.166%

LSC Area Percent Report

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Acq On : 26 Feb 2018 22:48
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	16.251	2248	2255	2260	rVV8	84478	197800	1.50%	0.127%
36	16.521	2297	2301	2305	rVB3	111397	138917	1.05%	0.089%
37	16.609	2311	2316	2322	rVB	217008	323204	2.44%	0.208%
38	16.704	2322	2332	2336	rBV4	208695	411970	3.12%	0.265%
39	16.762	2338	2342	2352	rVB	249521	394093	2.98%	0.253%
40	16.945	2367	2373	2376	rBV	1549257	2247419	17.00%	1.443%
41	16.986	2376	2380	2385	rVV	3881701	5257904	39.78%	3.377%
42	17.045	2385	2390	2393	rVV	2841697	3966727	30.01%	2.548%
43	17.080	2393	2396	2401	rVB	963243	1228144	9.29%	0.789%
44	17.139	2401	2406	2412	rBV5	186999	345644	2.61%	0.222%
45	17.356	2436	2443	2450	rBV	484155	843540	6.38%	0.542%
46	17.527	2469	2472	2480	rVB3	108742	236442	1.79%	0.152%
47	17.821	2517	2522	2525	rBV	519274	772712	5.85%	0.496%
48	17.862	2525	2529	2536	rVB2	1387372	2243946	16.98%	1.441%
49	17.951	2541	2544	2549	rVV	285125	420442	3.18%	0.270%
50	18.015	2549	2555	2559	rVV3	786379	1535323	11.61%	0.986%
51	18.051	2559	2561	2567	rVB	414653	522247	3.95%	0.335%
52	18.139	2573	2576	2579	rBV3	123016	162410	1.23%	0.104%
53	18.221	2586	2590	2597	rBV9	202798	331220	2.51%	0.213%
54	18.327	2604	2608	2612	rBV	361274	449164	3.40%	0.288%
55	18.380	2613	2617	2621	rBV	422860	571080	4.32%	0.367%
56	18.621	2656	2658	2662	rVB2	133605	157782	1.19%	0.101%
57	18.668	2663	2666	2670	rVB	143448	178582	1.35%	0.115%
58	18.750	2675	2680	2682	rBV	401376	603751	4.57%	0.388%
59	18.780	2682	2685	2693	rVB5	1128464	1711049	12.94%	1.099%
60	18.898	2701	2705	2711	rBV2	422768	687523	5.20%	0.442%
61	19.021	2720	2726	2731	rBV	7768270	10102280	76.42%	6.489%
62	19.068	2732	2734	2739	rVB3	212665	324704	2.46%	0.209%
63	19.150	2745	2748	2756	rVB3	483089	791381	5.99%	0.508%
64	19.356	2778	2783	2785	rBV2	3397873	5112631	38.68%	3.284%
65	19.386	2785	2788	2796	rVB	8922431	11594138	87.71%	7.447%
66	19.456	2797	2800	2804	rBV2	305164	441784	3.34%	0.284%
67	19.633	2827	2830	2834	rVB	369589	484641	3.67%	0.311%
68	19.797	2856	2858	2861	rVB	269295	264128	2.00%	0.170%
69	19.886	2863	2873	2879	rVV	860041	2320146	17.55%	1.490%
70	19.986	2887	2890	2893	rBV	512374	576153	4.36%	0.370%
71	20.180	2921	2923	2927	rVB	387241	420239	3.18%	0.270%

LSC Area Percent Report

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Sample : J1631-09
Misc :
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Instrument : BNA_M
ClientSampleId : BE5Z0

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Integrator: RTE
Smoothing : OFF Filtering: 5
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Stop Thrs : 0 Peak Location: TOP

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Title : SVOA CALIBRATION

72	20.639	2998	3001	3007	rBV	806765	1136506	8.60%	0.730%
73	20.797	3026	3028	3032	rVV	489820	554565	4.20%	0.356%
74	20.839	3032	3035	3038	rVV2	774930	977835	7.40%	0.628%
75	20.880	3038	3042	3047	rVV2	1250214	1842873	13.94%	1.184%
76	20.944	3050	3053	3057	rVB	737113	974609	7.37%	0.626%
77	21.144	3083	3087	3093	rBV2	3883674	7498038	56.72%	4.816%
78	21.197	3093	3096	3106	rVB	4075494	5094018	38.54%	3.272%
79	21.309	3112	3115	3119	rBV	779008	911637	6.90%	0.586%
80	21.697	3178	3181	3185	rVB	1277363	1536207	11.62%	0.987%
81	22.703	3345	3352	3362	rVB	4824127	13219018	100.00%	8.490%
82	22.856	3375	3378	3385	rVB	872108	1283341	9.71%	0.824%
83	23.162	3424	3430	3434	rBV	2583573	4655218	35.22%	2.990%
84	23.203	3434	3437	3441	rVV2	1478805	2621291	19.83%	1.684%
85	23.256	3441	3446	3452	rVB	4237910	7005036	52.99%	4.499%
86	23.391	3465	3469	3476	rVB2	1369855	2527560	19.12%	1.623%
87	25.521	3823	3831	3840	rVB2	2284960	5968742	45.15%	3.834%
88	26.185	3938	3944	3958	rVB	1228826	3789106	28.66%	2.434%

Sum of corrected areas: 155692962

LSC Report - Integrated Chromatogram

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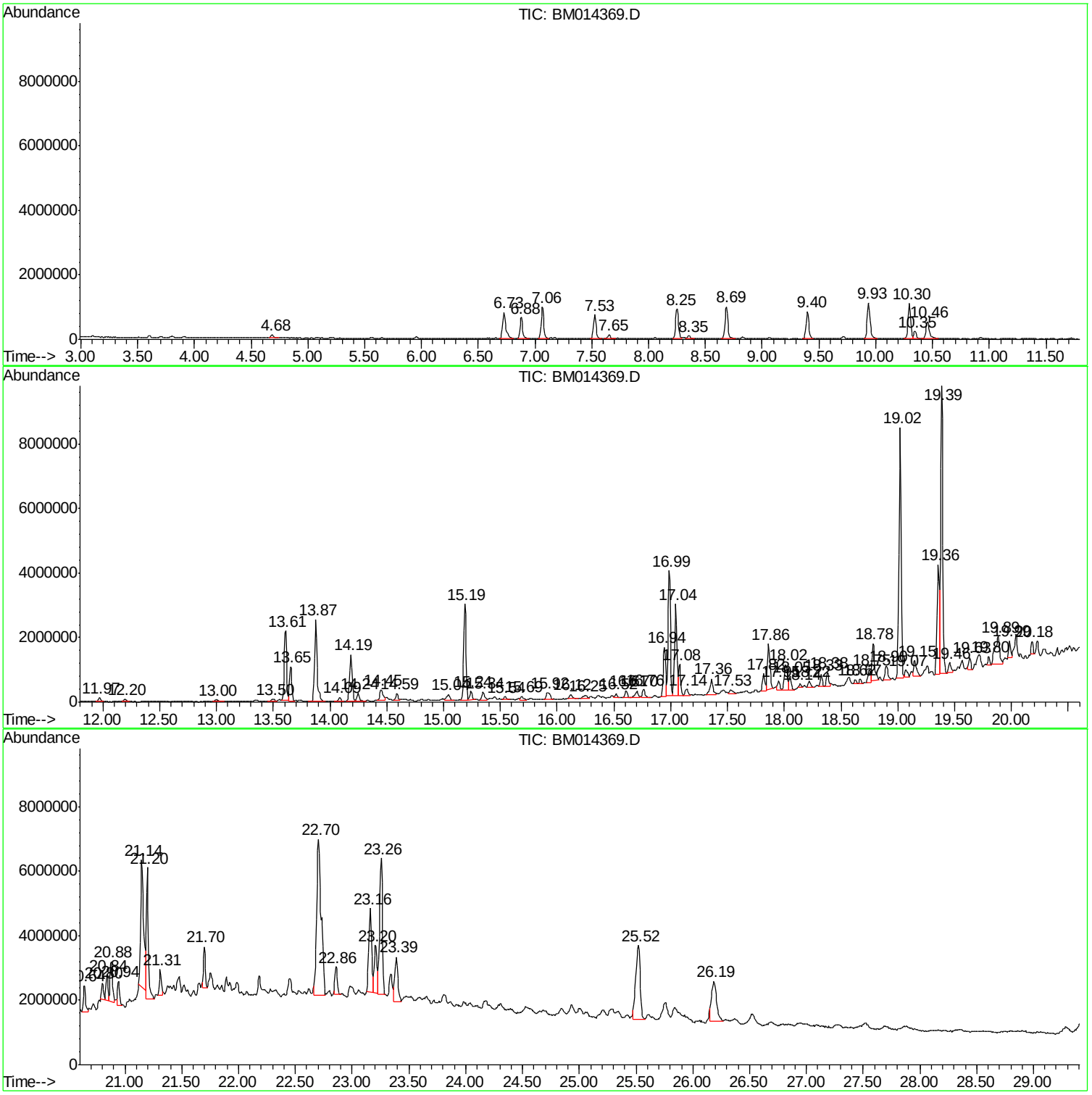
Data File : BM014369.D
Acq On : 26 Feb 2018 22:48
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014369.D
Acq On : 26 Feb 2018 22:48
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

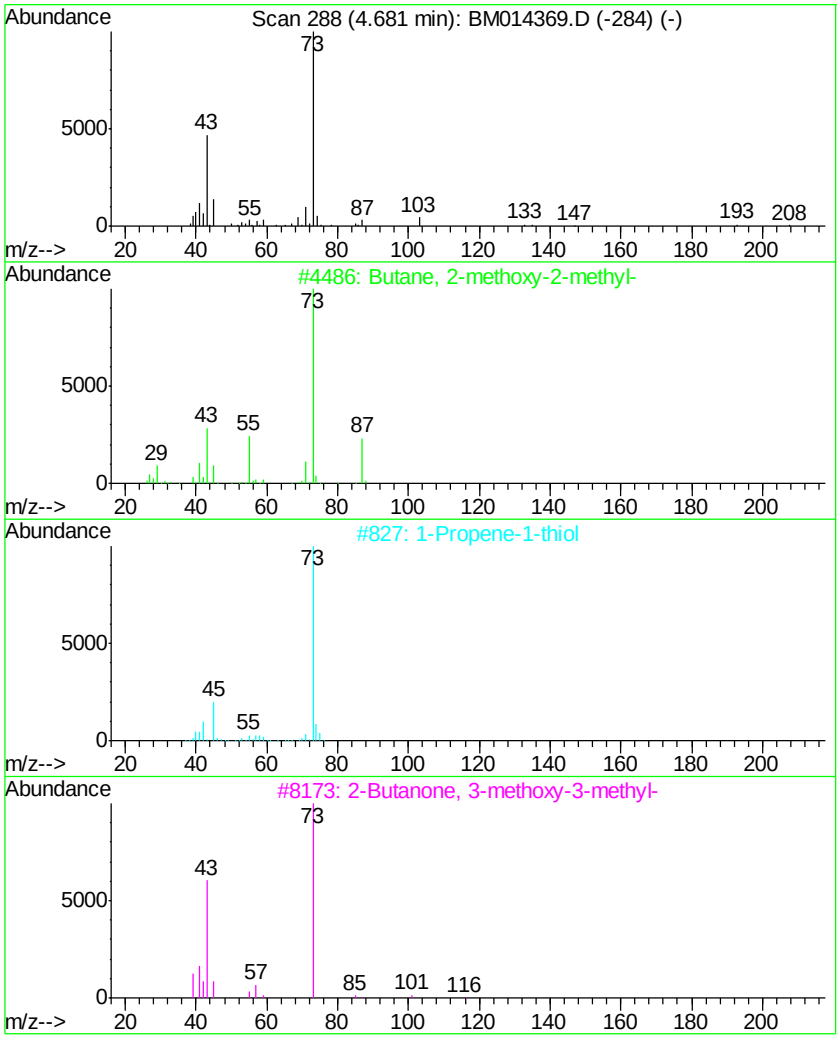
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

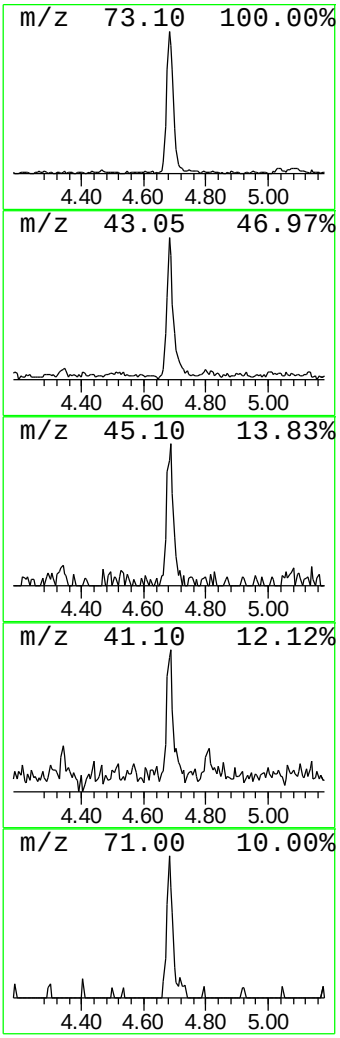
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	2.99 ng/ul	184581	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	53
2	1-Propene-1-thiol	74	C3H6S	000925-89-3	25
3	2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014369.D
Acq On : 26 Feb 2018 22:48
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

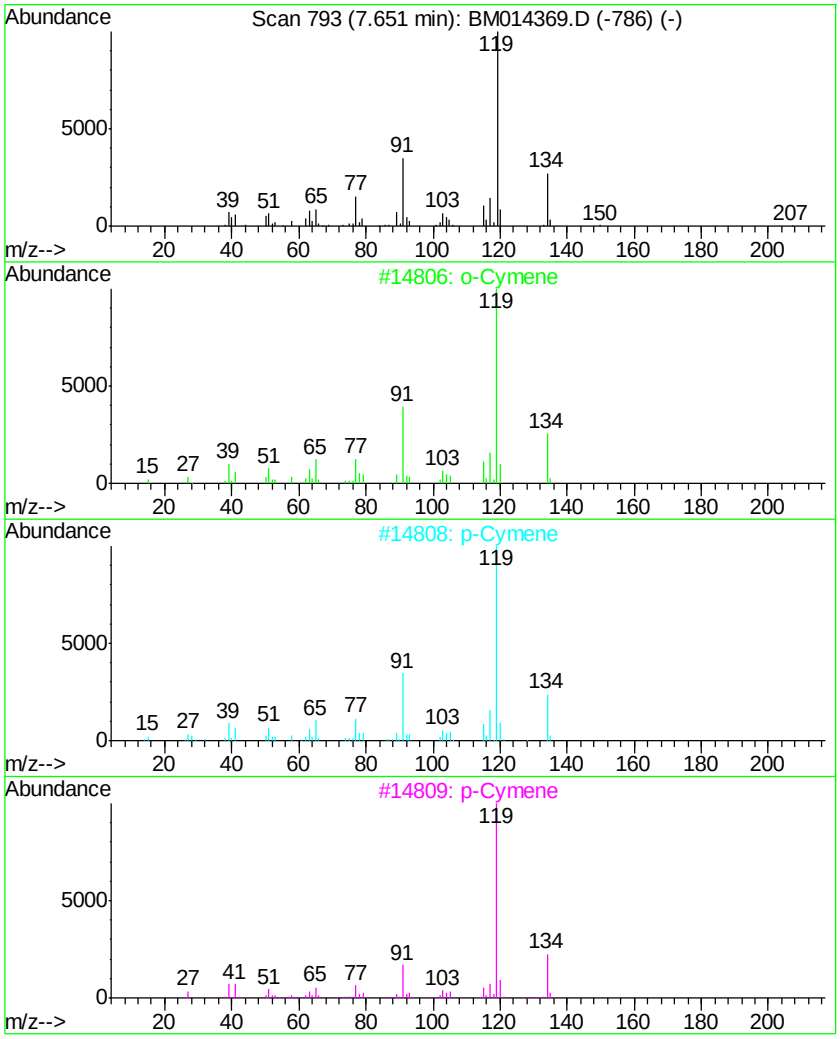
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

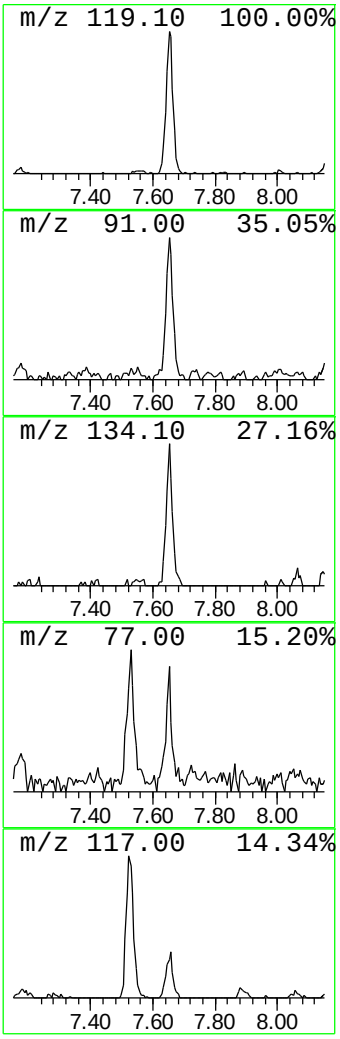
****

Peak Number 2 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	3.89 ng/ul	239995	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	95
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Instrument : BNA_M
ClientSampleId : BE5Z0

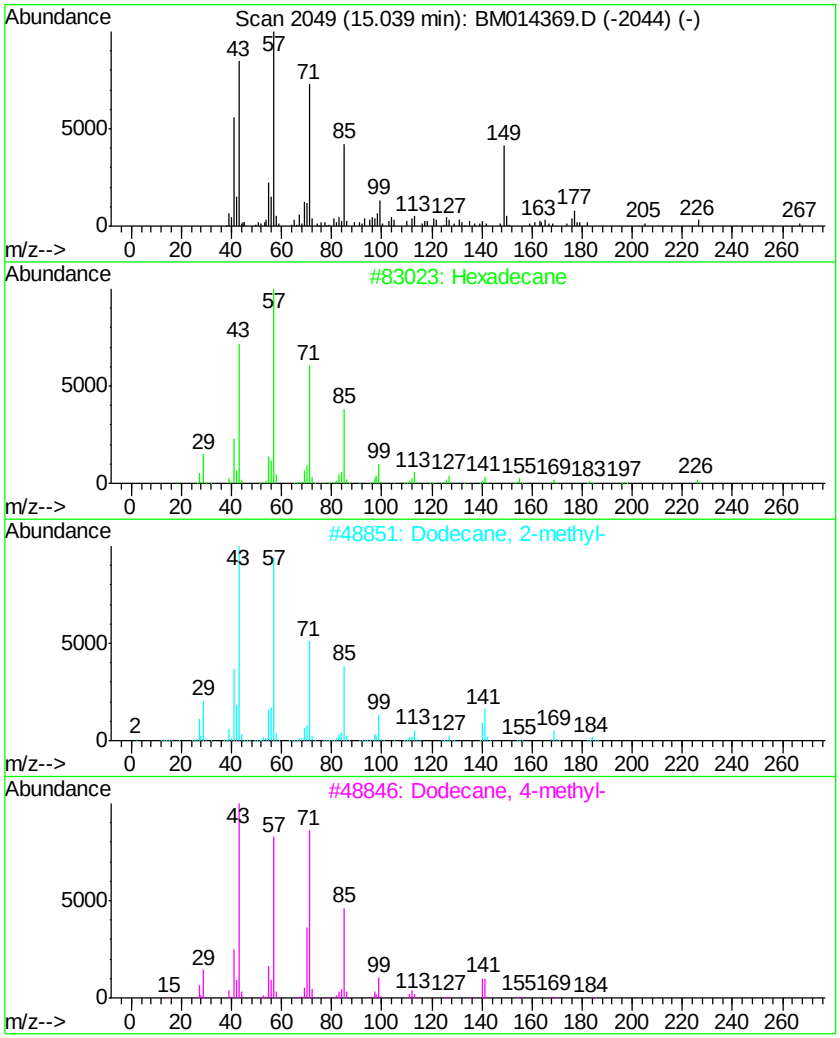
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

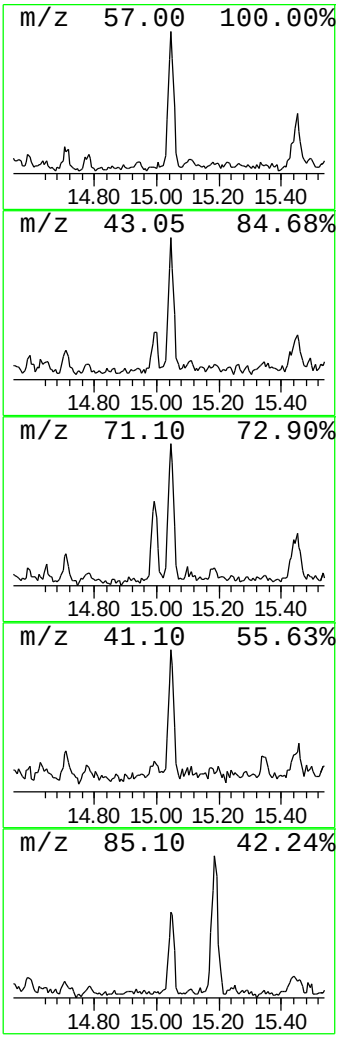
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.24 ng/ul	374548	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	87
4	Hexadecane	226	C16H34	000544-76-3	87
5	Tetradecane	198	C14H30	000629-59-4	86





Library Search Compound Report

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Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

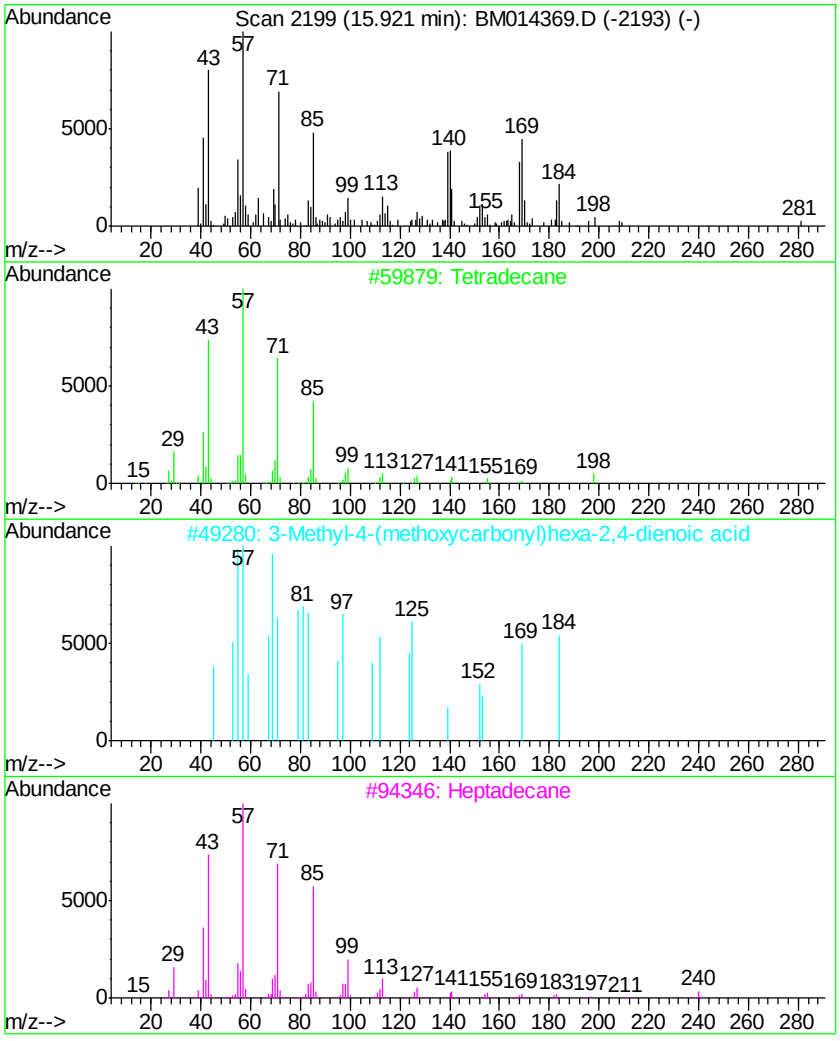
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

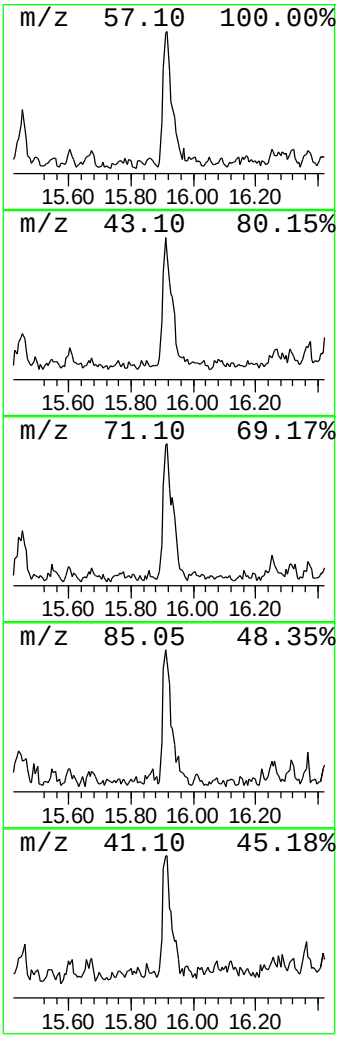
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	4.32 ng/ul	485767	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	89
3	Heptadecane	240	C17H36	000629-78-7	78
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	62
5	Tetradecane	198	C14H30	000629-59-4	58





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Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

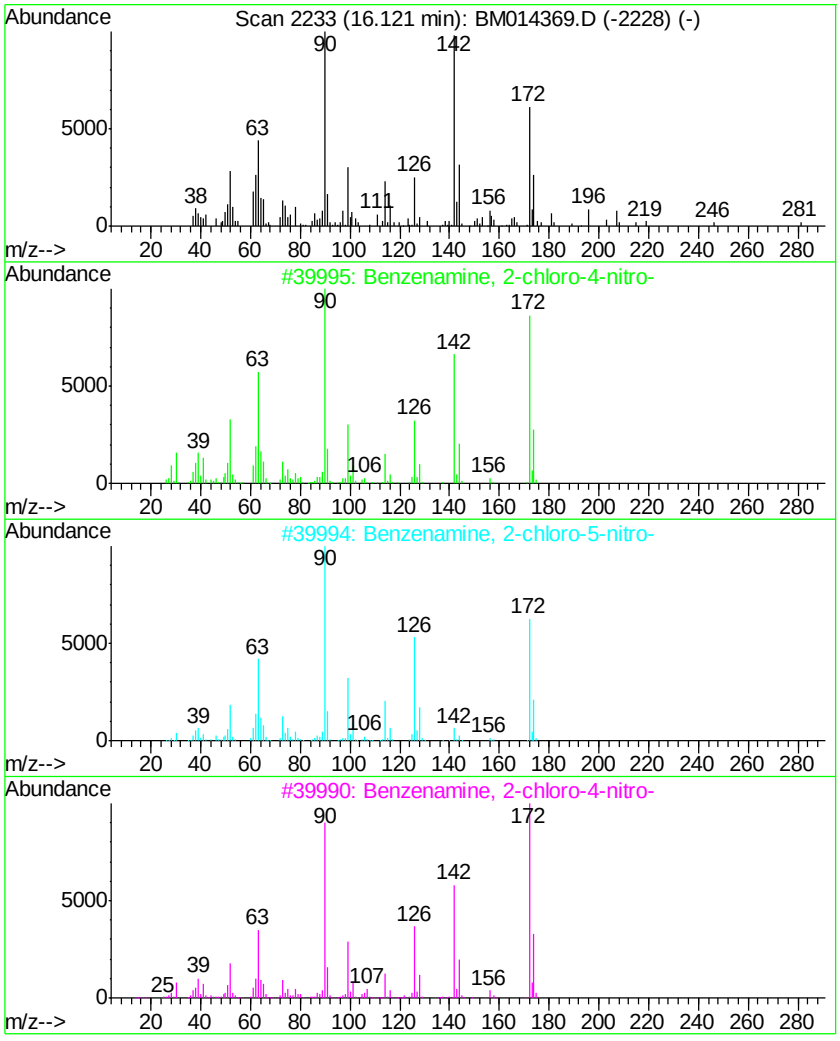
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

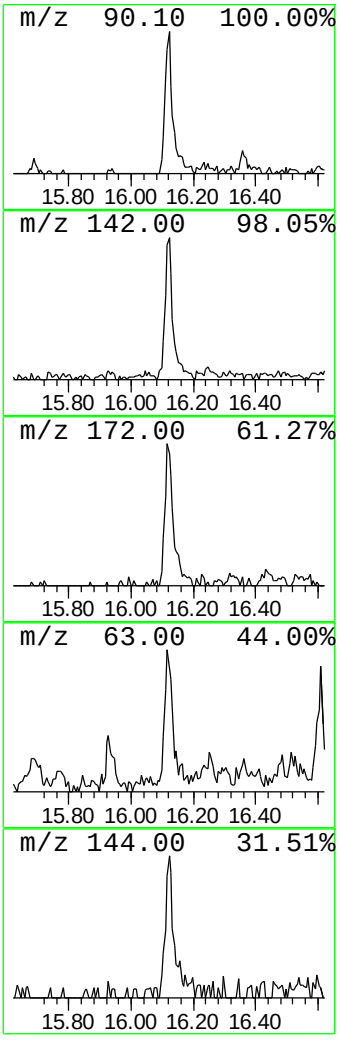
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzenamine, 2-chloro-4-nitro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	2.29 ng/ul	257777	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-chloro-4-nitro-	172	C6H5ClN2O2	000121-87-9	83
2	Benzenamine, 2-chloro-5-nitro-	172	C6H5ClN2O2	006283-25-6	83
3	Benzenamine, 2-chloro-4-nitro-	172	C6H5ClN2O2	000121-87-9	50
4	Benzenamine, 4-chloro-3-nitro-	172	C6H5ClN2O2	000635-22-3	41
5	Benzenamine, 2-chloro-5-nitro-	172	C6H5ClN2O2	006283-25-6	41





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Operator : SJ/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

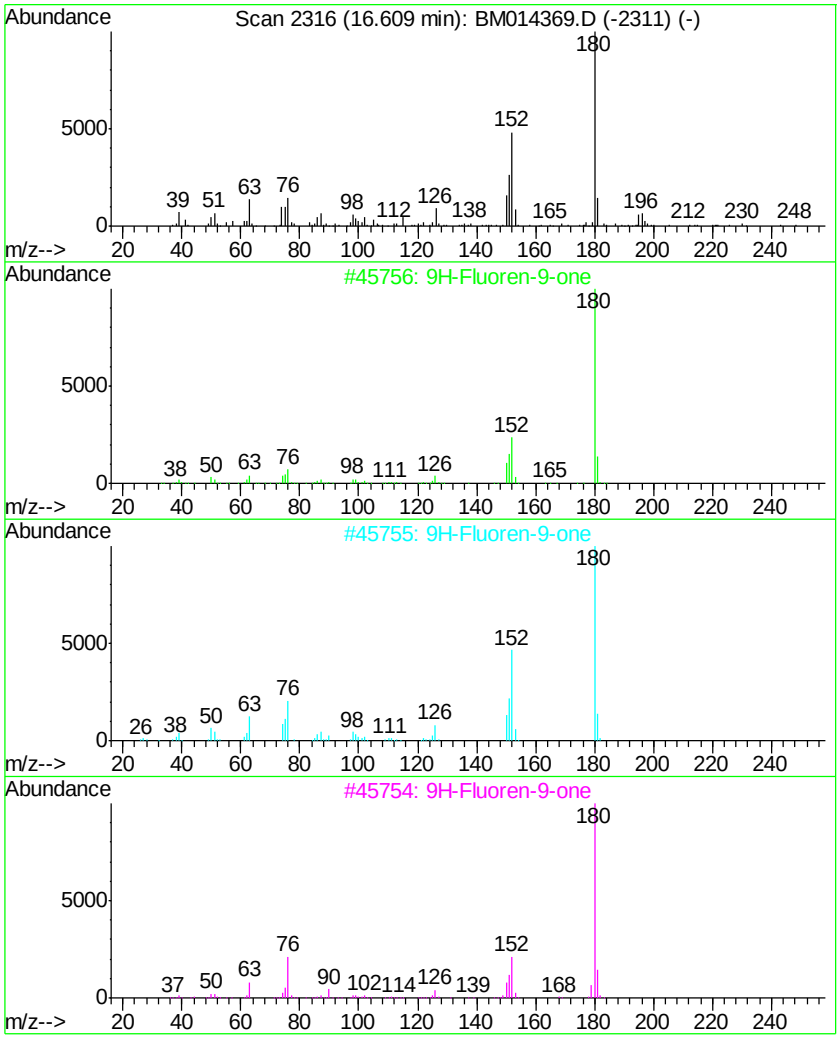
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

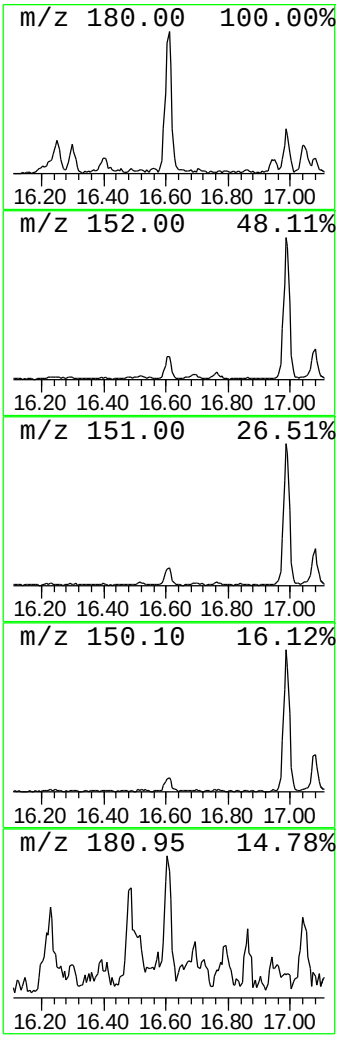
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.88 ng/ul	323204	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Diphenic anhydride	224	C14H8O3	006050-13-1	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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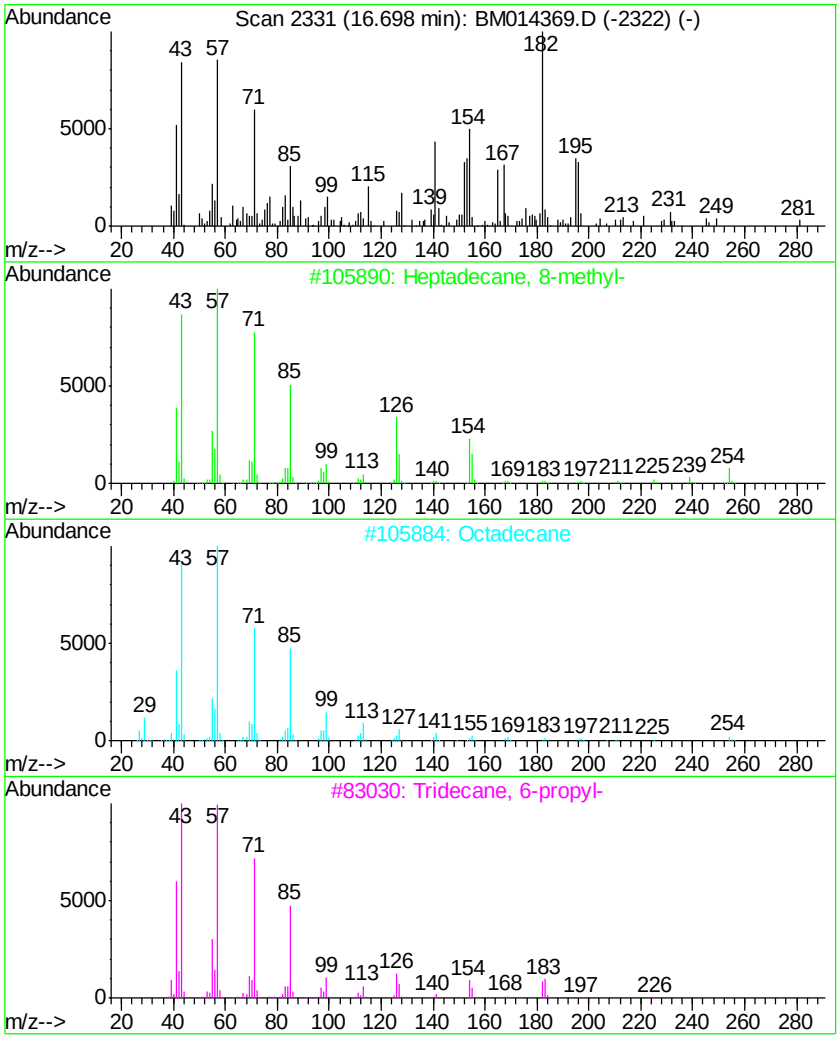
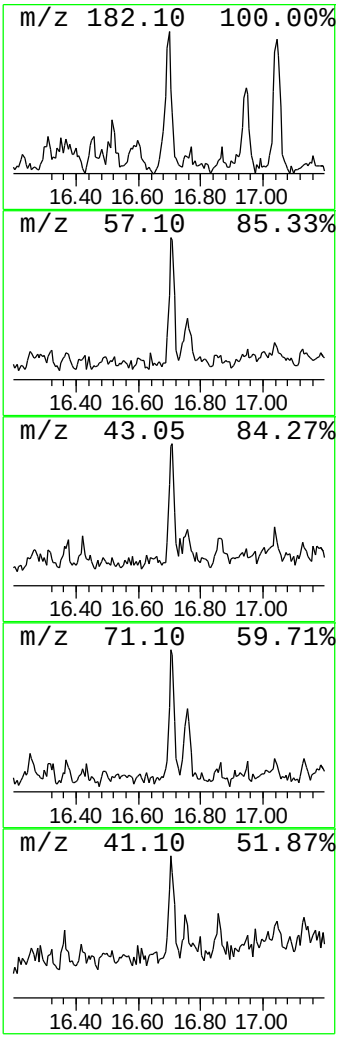
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	3.67 ng/ul	411970	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	56
2	Octadecane	254	C18H38	000593-45-3	55
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	50
4	Nonane, 1-iodo-	254	C9H19I	004282-42-2	42
5	Benzeneacetic acid, 2-tetradecyl...	332	C22H36O2	1000282-02-4	41





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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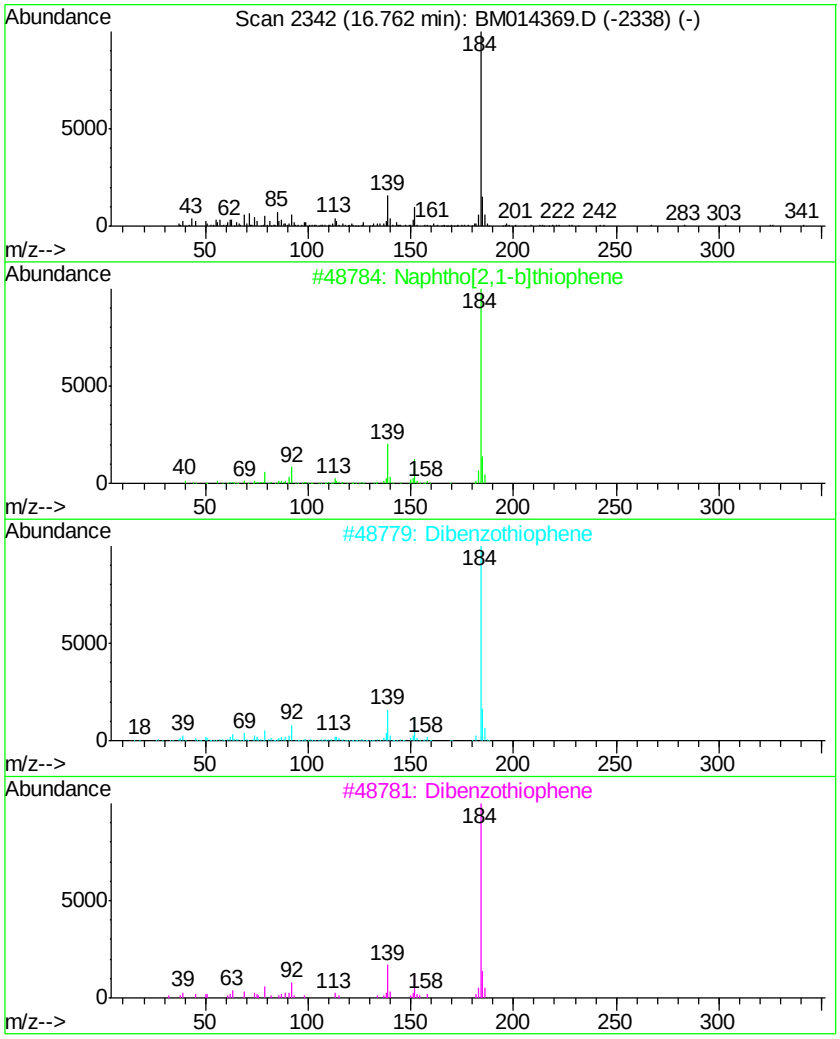
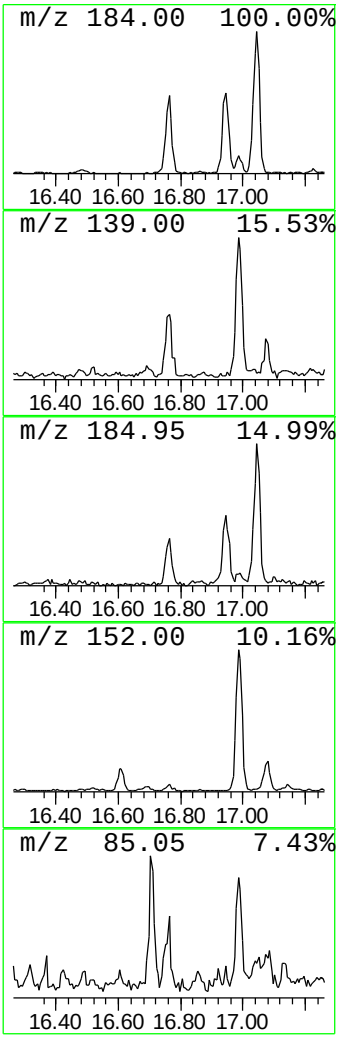
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.51 ng/ul	394093	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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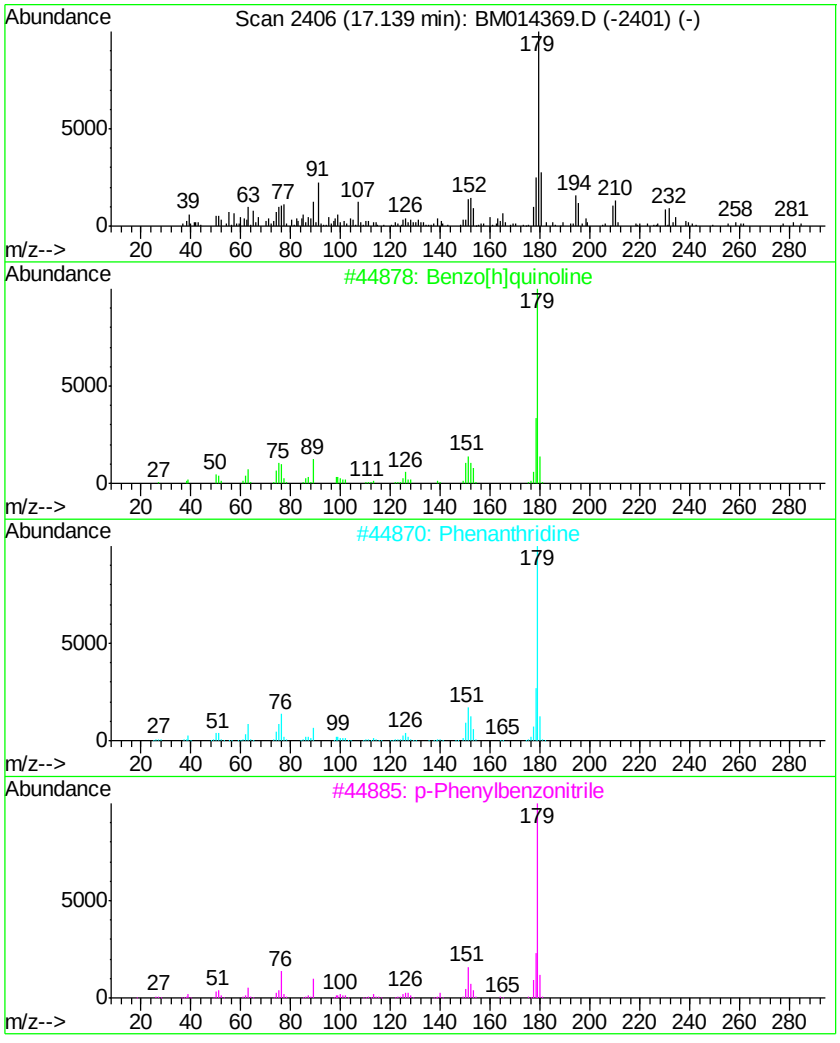
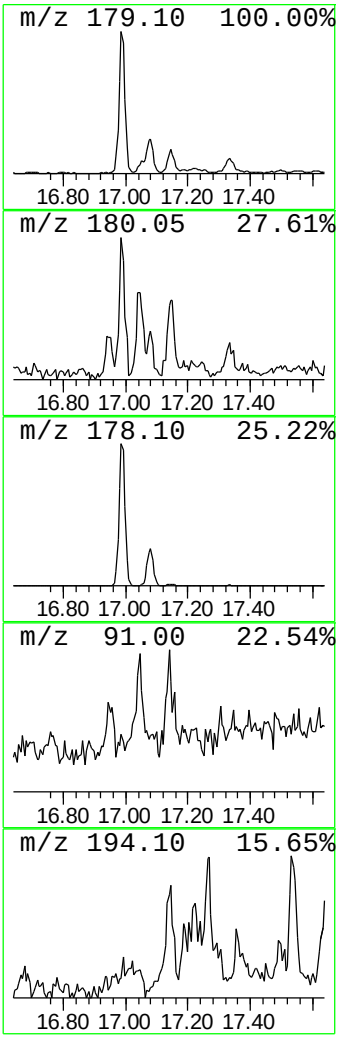
Peak Number 9 Benzo[h]quinoline Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	3.08 ng/ul	345644	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	83
2	Phenanthridine	179	C13H9N	000229-87-8	64
3	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	60
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	58
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	58





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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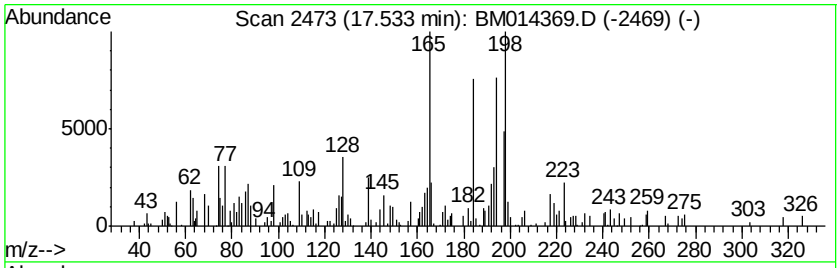
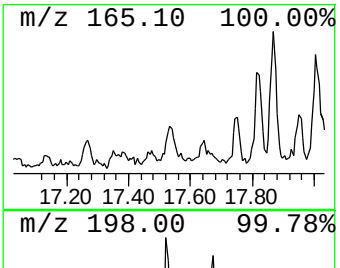
Peak Number 10 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.10 ng/ul	236442	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	43
2	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	000718-25-2	38
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	38
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	38
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	35





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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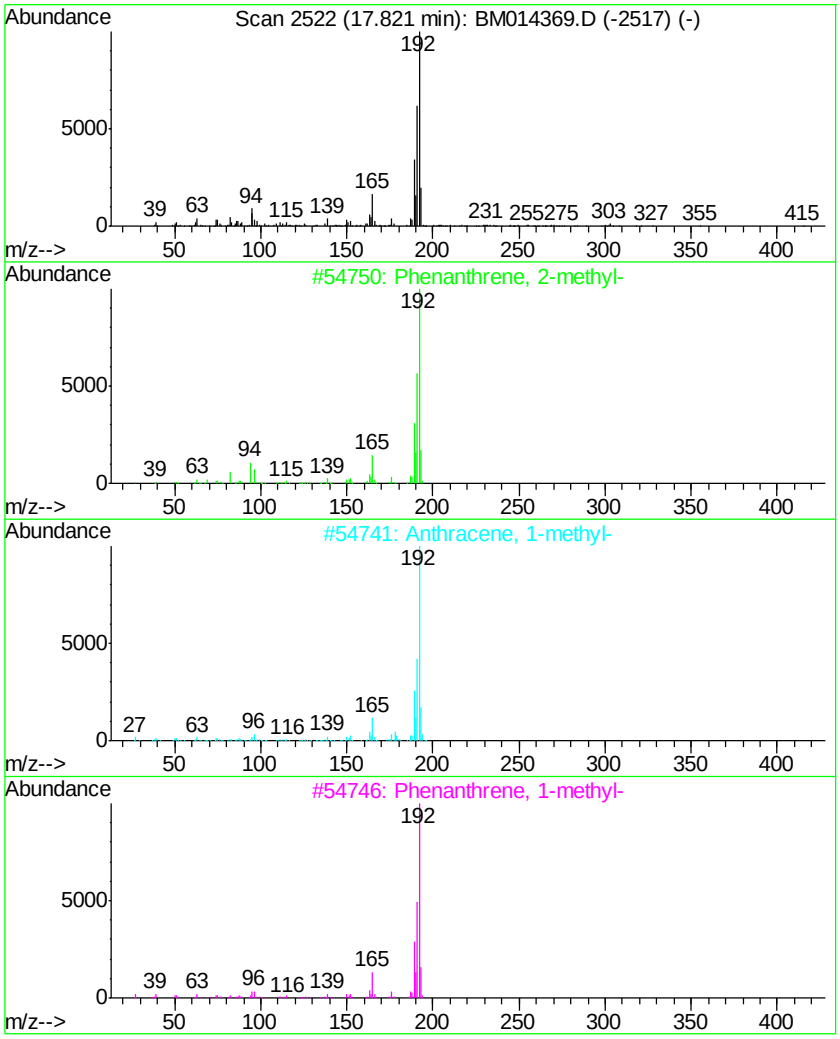
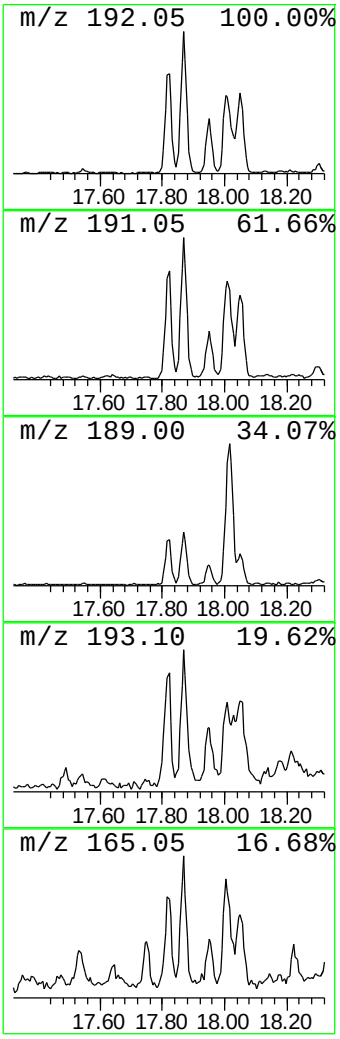
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.88 ng/ul	772712	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	19.97 ng/ul	2243950	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	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
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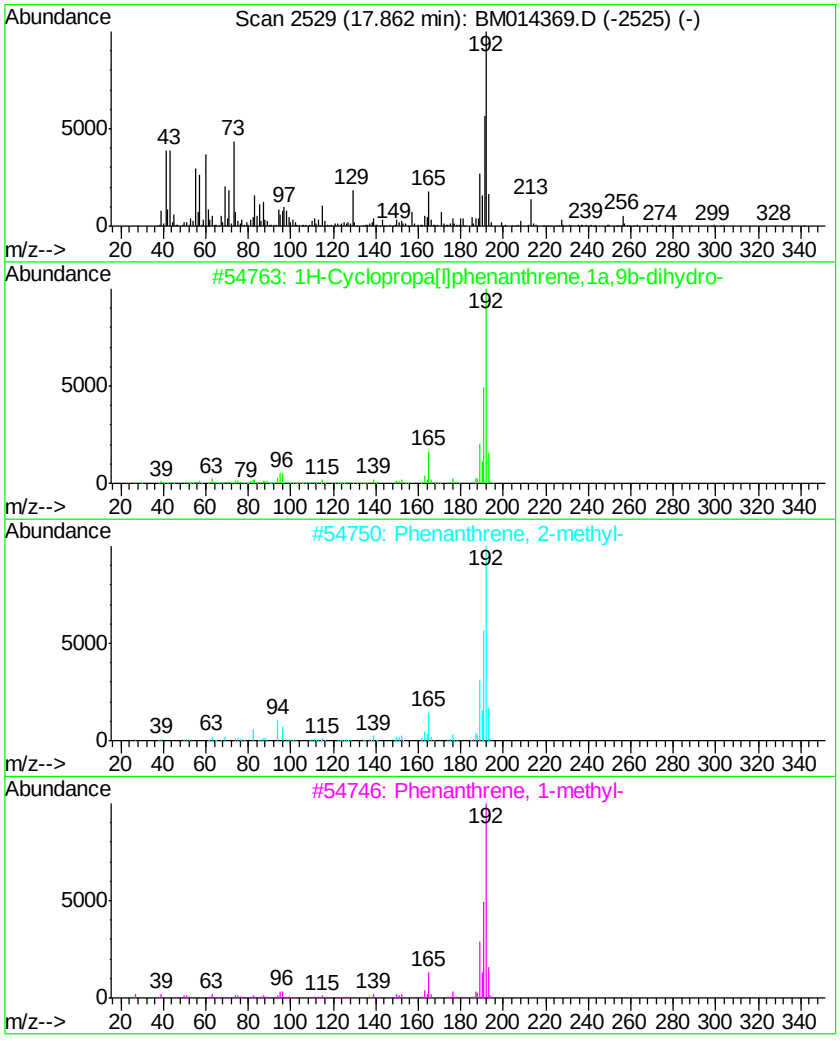

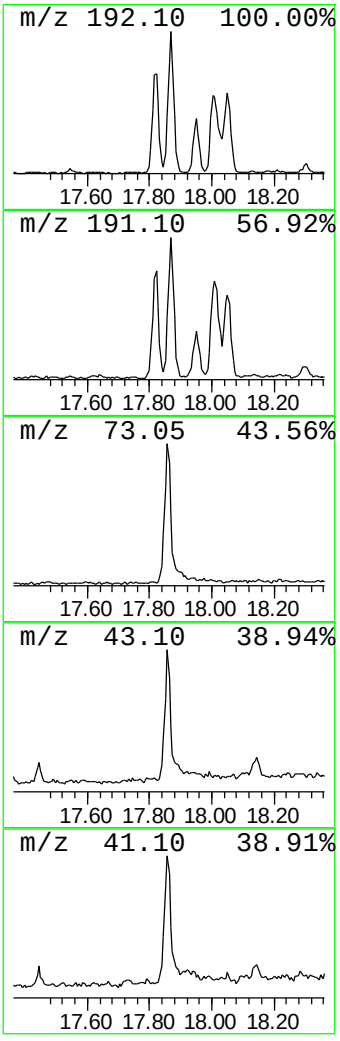

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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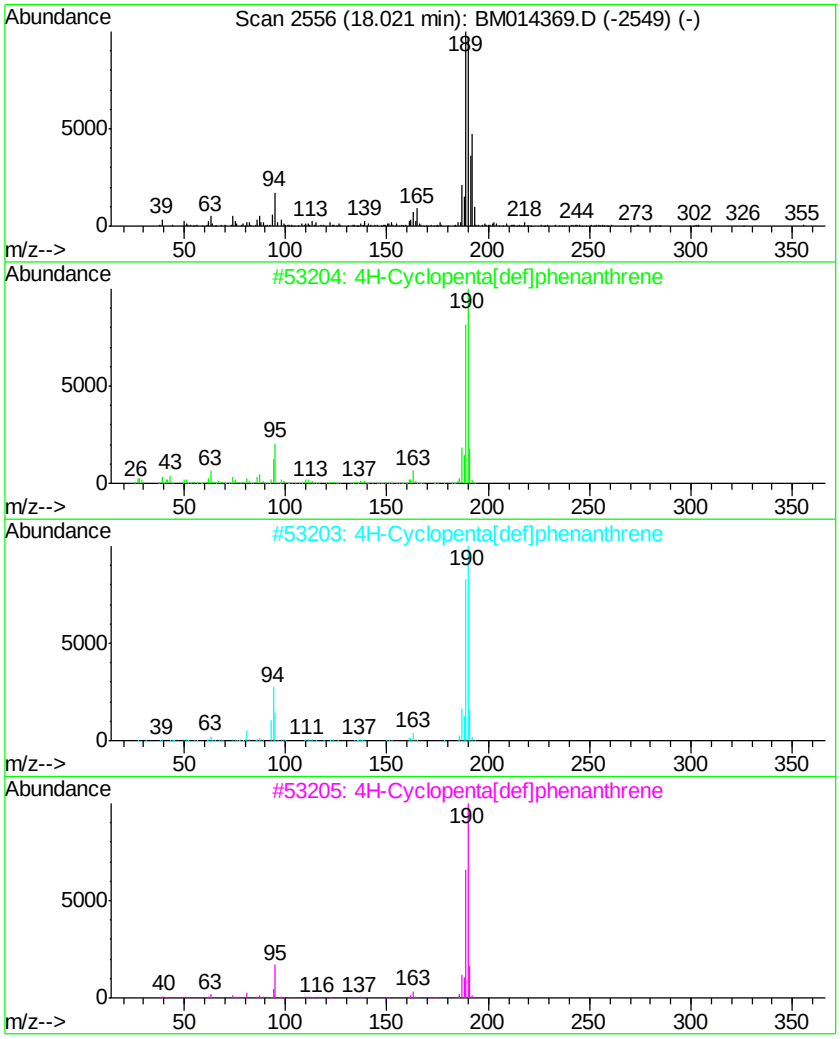
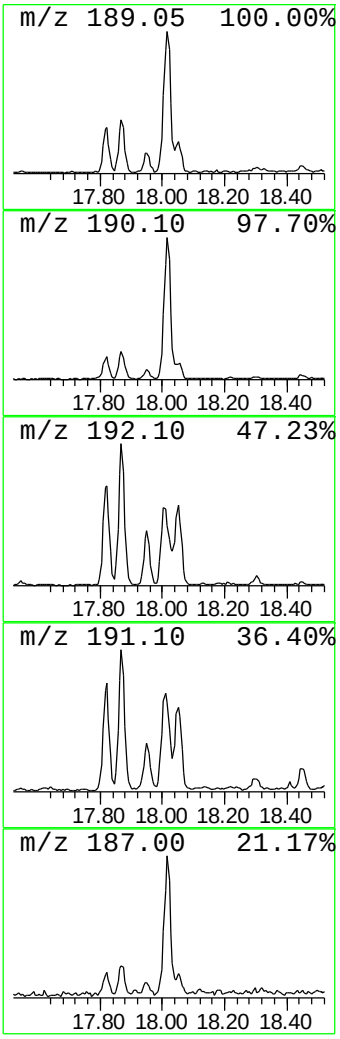
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	13.66 ng/ul	1535320	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	41
5	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	32





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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	4.65 ng/ul	522247	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
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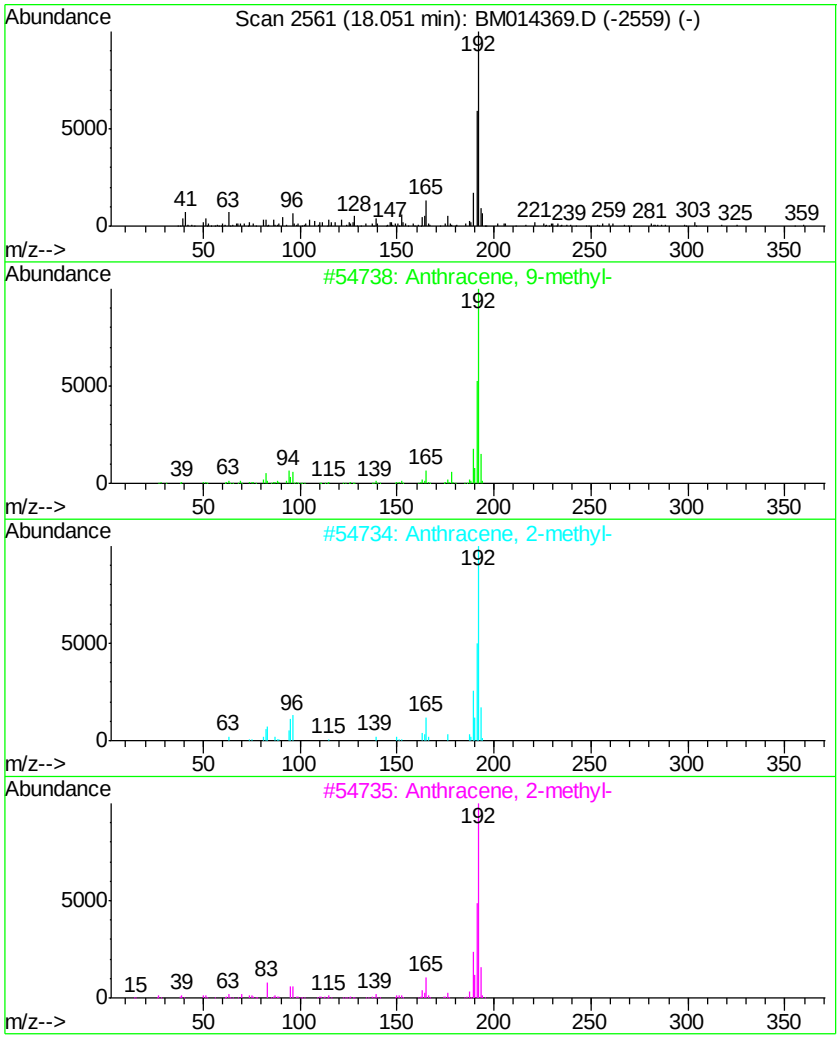

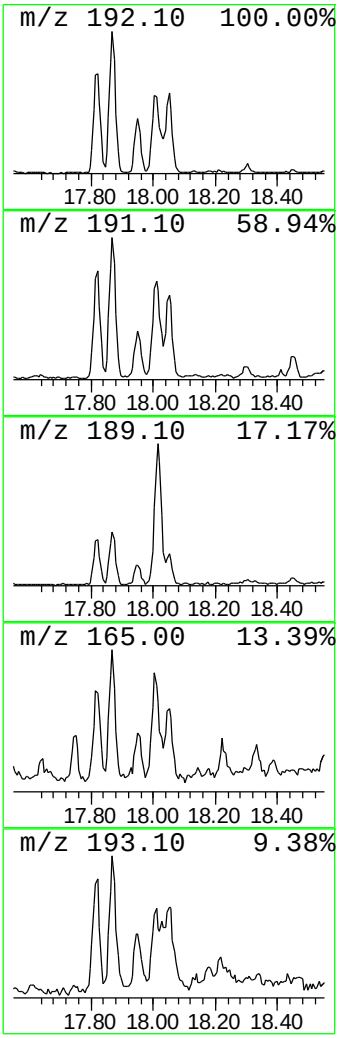

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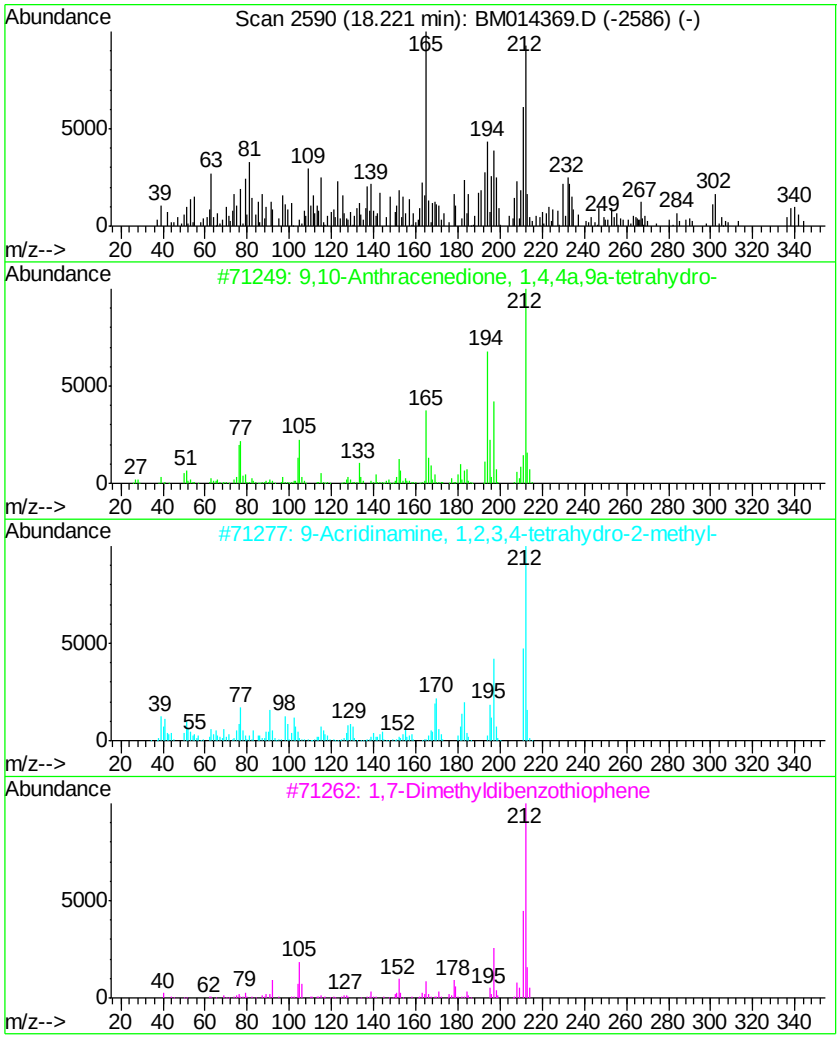
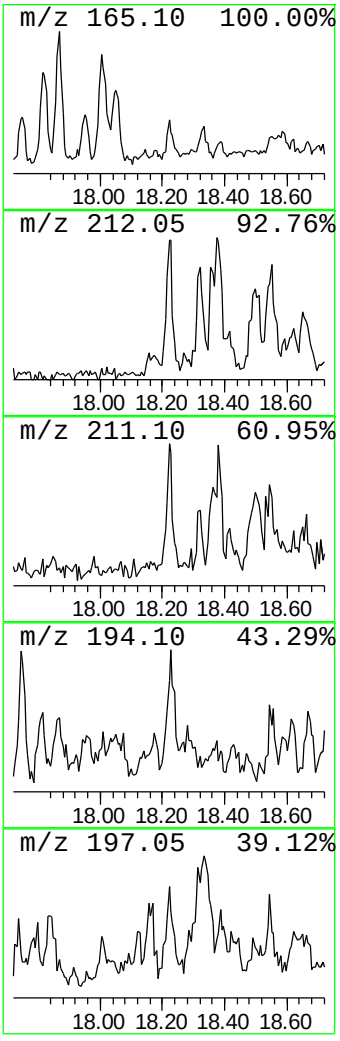
Peak Number 16 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.95 ng/ul	331220	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1,4,4a,9a-...	212	C14H12O2	056136-14-2	45
2	9-Acridinamine, 1,2,3,4-tetrahyd...	212	C14H16N2	1000337-15-9	38
3	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	38
4	Isonipecotic acid, N-(N'-ethoxyc...	340	C17H28N2O5	1000322-63-0	25
5	5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	25





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Quant Title : SVOA CALIBRATION

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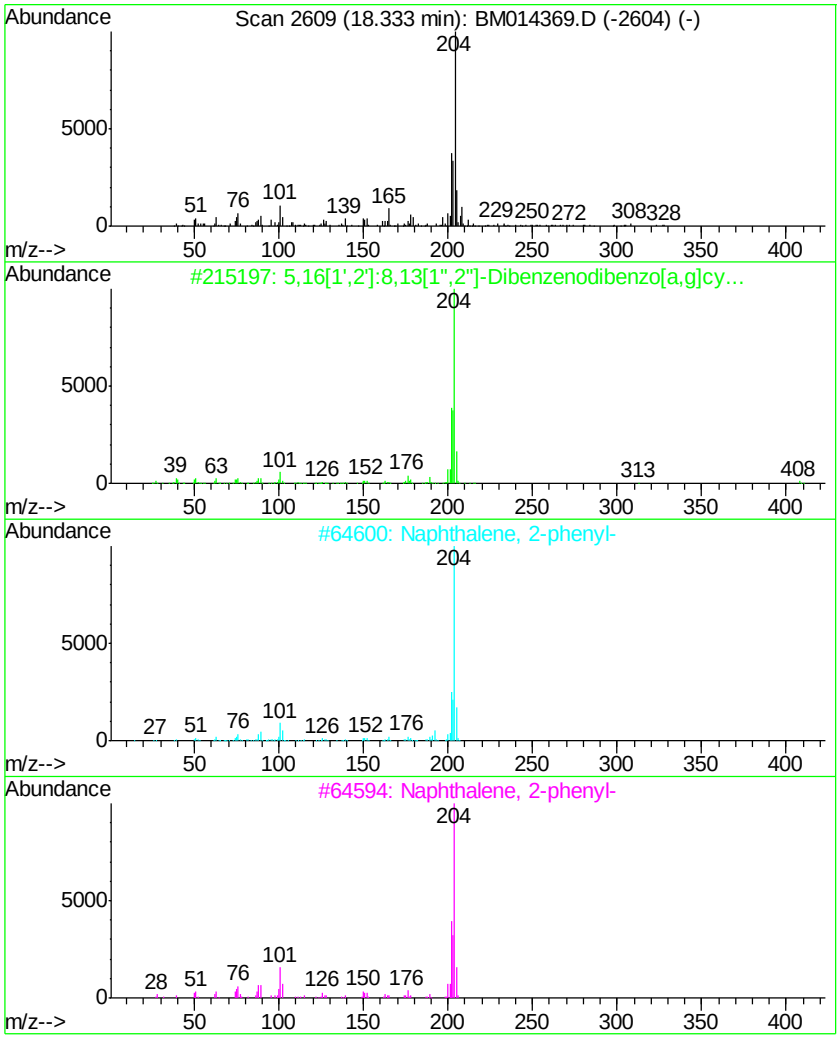
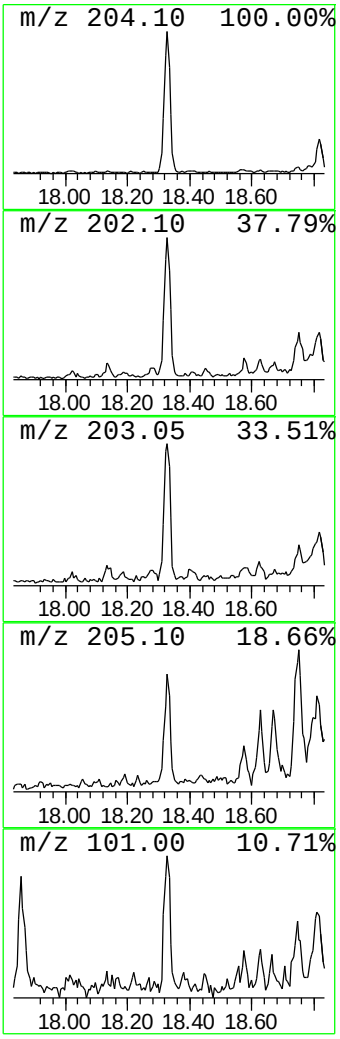
Peak Number 17 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.00 ng/ul	449164	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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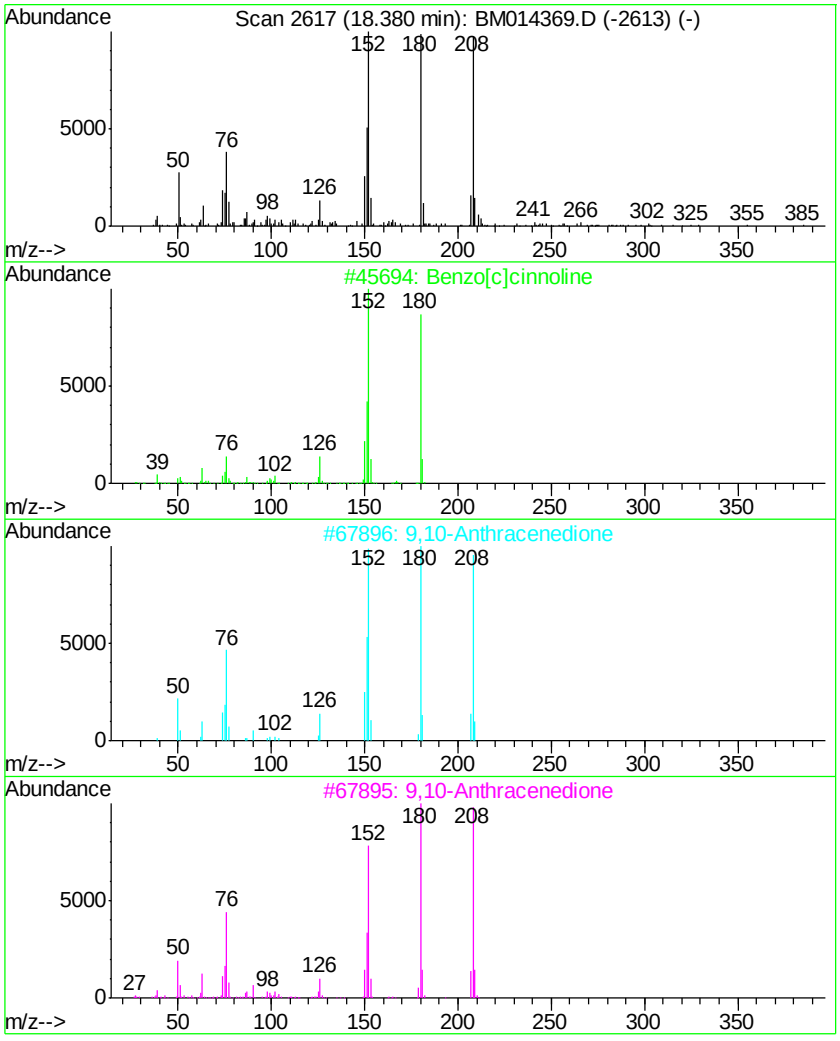
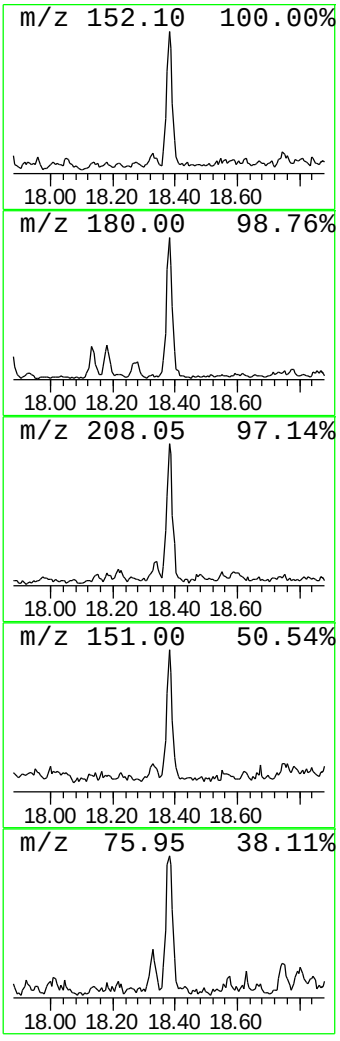
Peak Number 18 Benzo[c]cinnoline Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	5.08 ng/ul	571080	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76





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Acq On : 26 Feb 2018 22:48
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

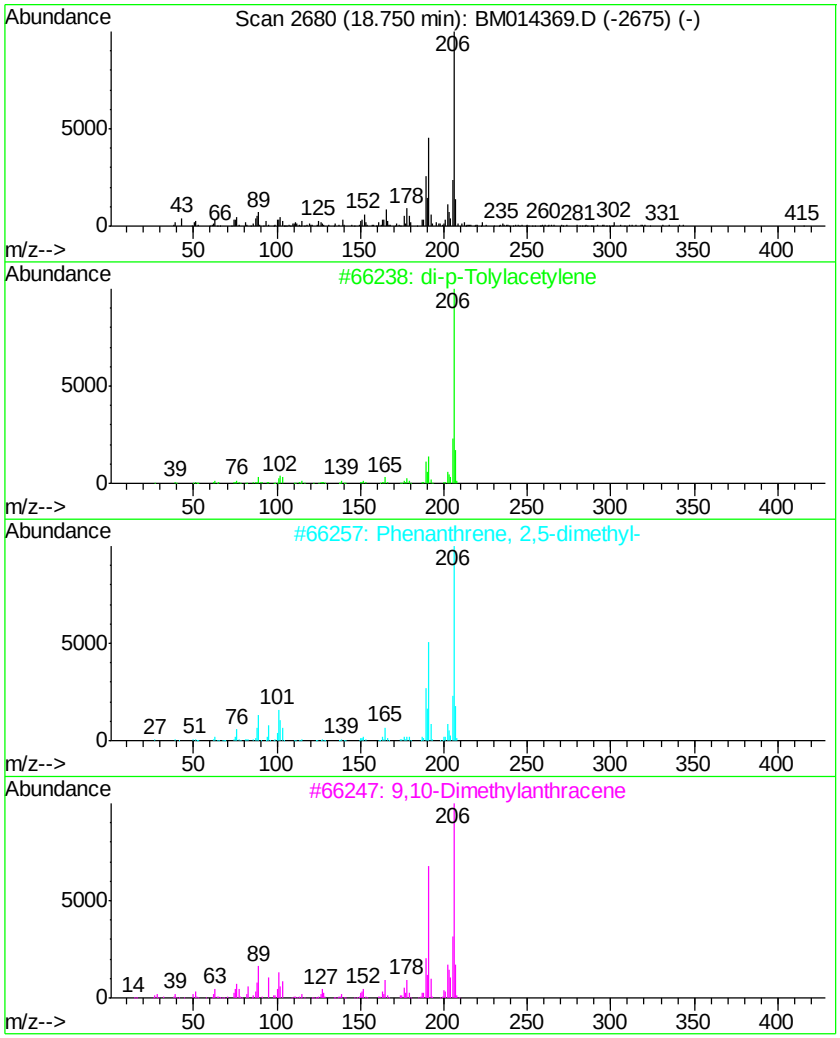
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

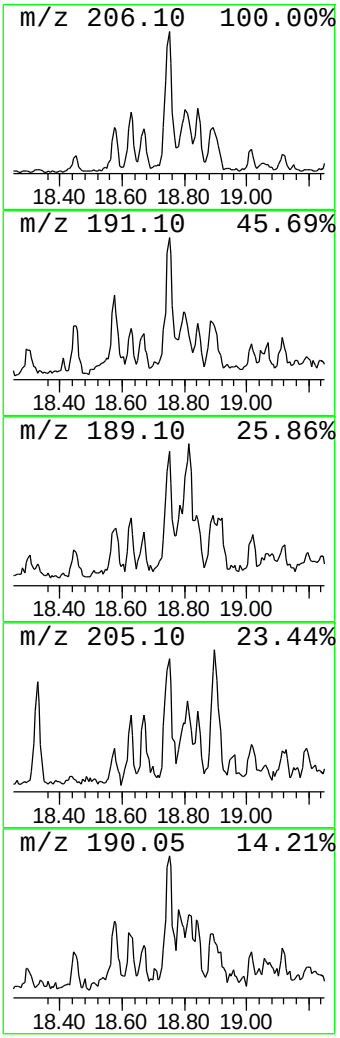
****

Peak Number 19 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	5.37 ng/ul	603751	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





Library Search Compound Report

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Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

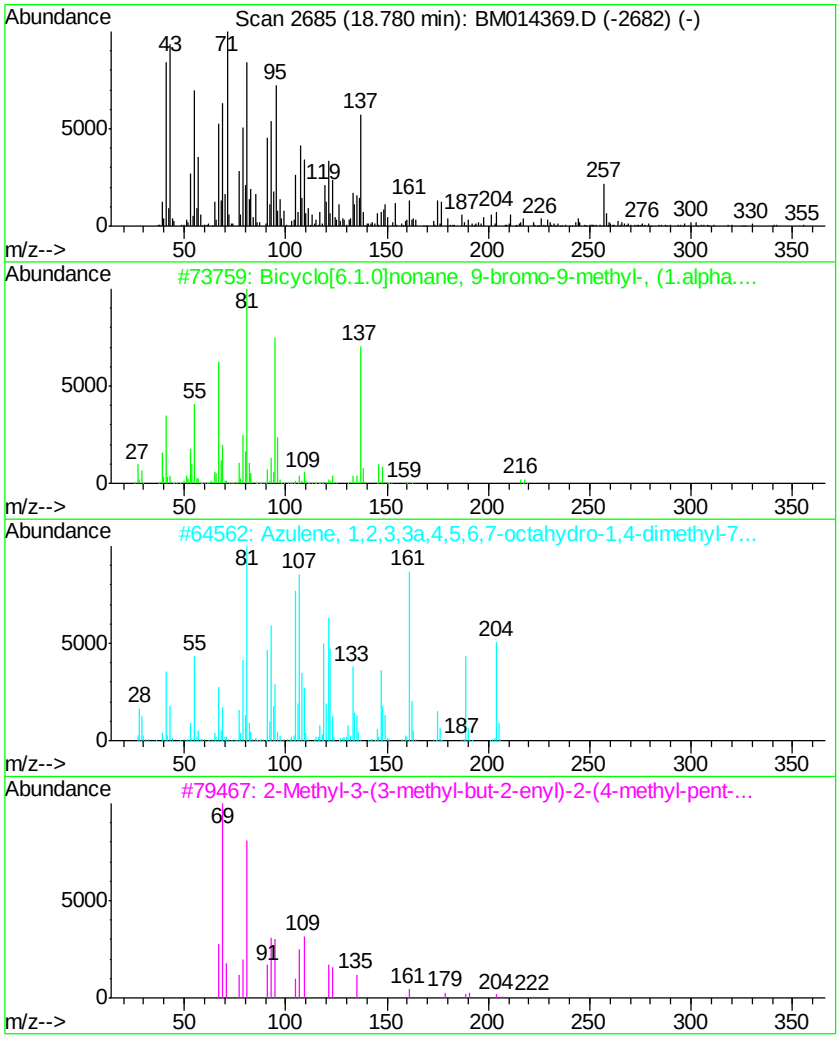
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

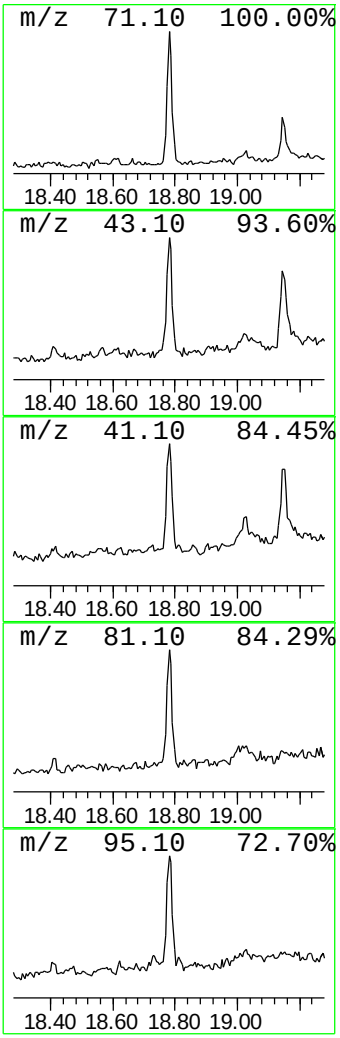
****

Peak Number 20 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	15.23 ng/ul	1711050	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[6.1.0]nonane, 9-bromo-9-...	216	C10H17Br	059474-03-2	41
2	Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	38
3	2-Methyl-3-(3-methyl-but-2-enyl)...	222	C15H26O	1000144-10-2	30
4	4,8,12,16-Octadecatetraen-1-ol, ...	318	C22H38O	1000142-00-0	25
5	Phytol	296	C20H40O	000150-86-7	25





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Instrument : BNA_M
ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

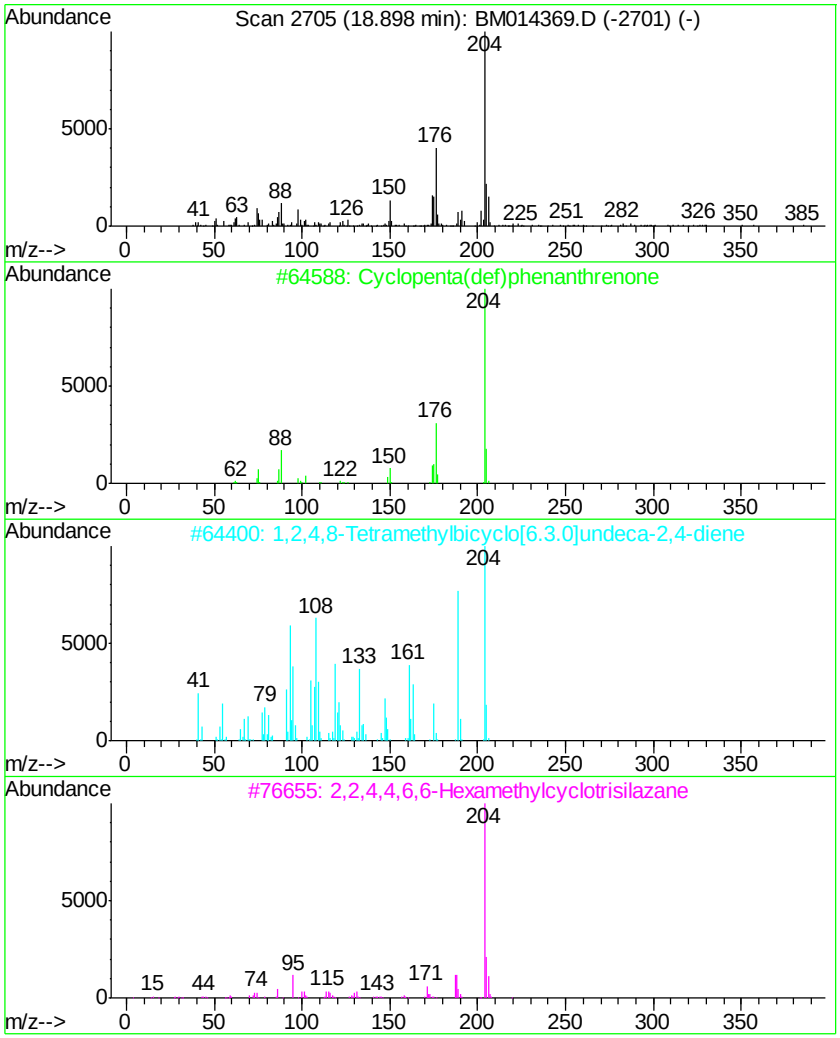
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

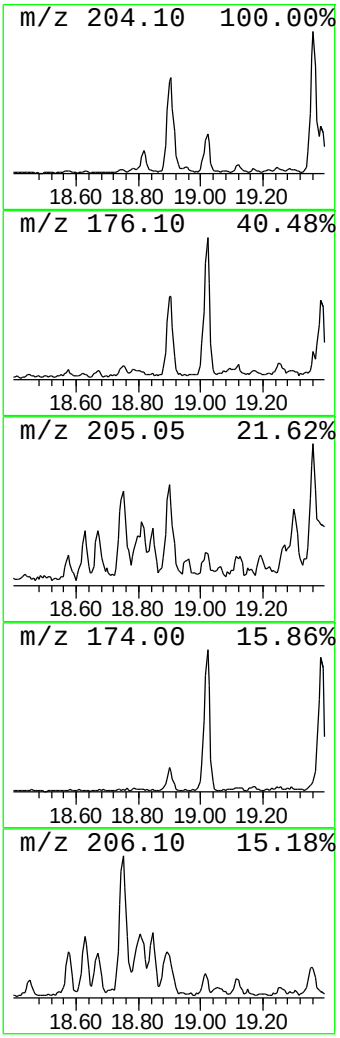
****

Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	6.12 ng/ul	687523	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	2,2,4,4,6,6-Hexamethylcyclotrisi...	219	C6H21N3Si3	001009-93-4	46
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	42
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	38





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Instrument : BNA_M
ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

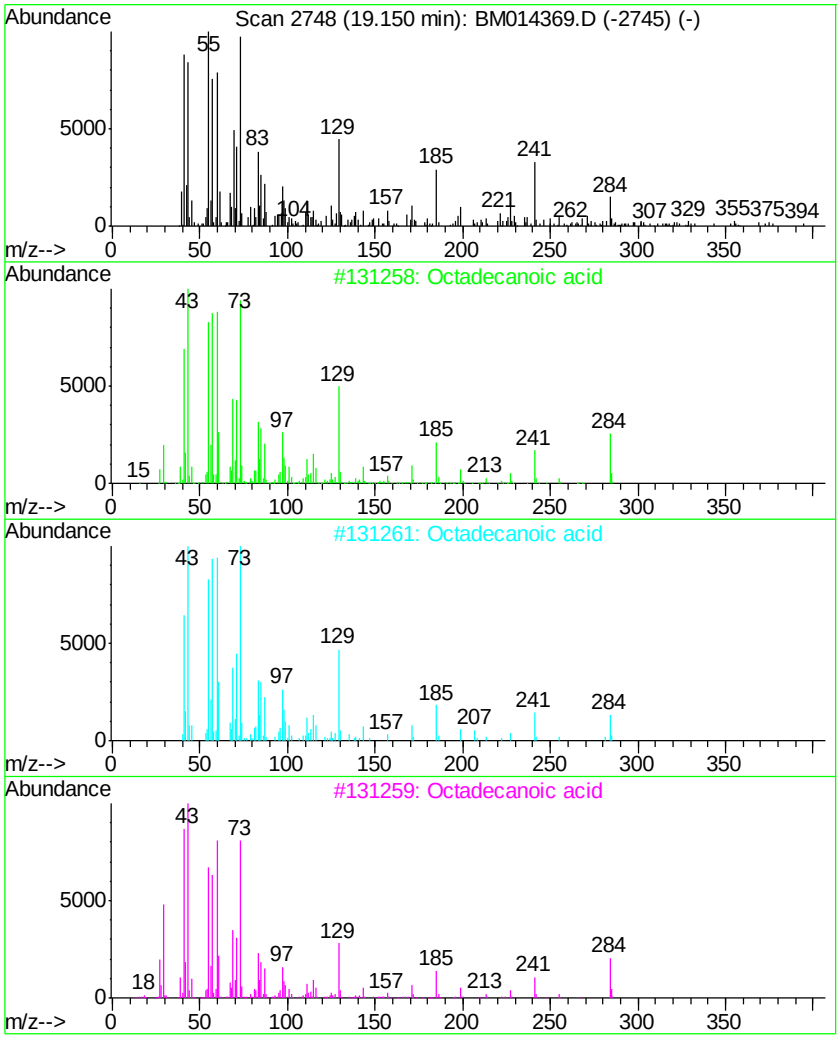
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

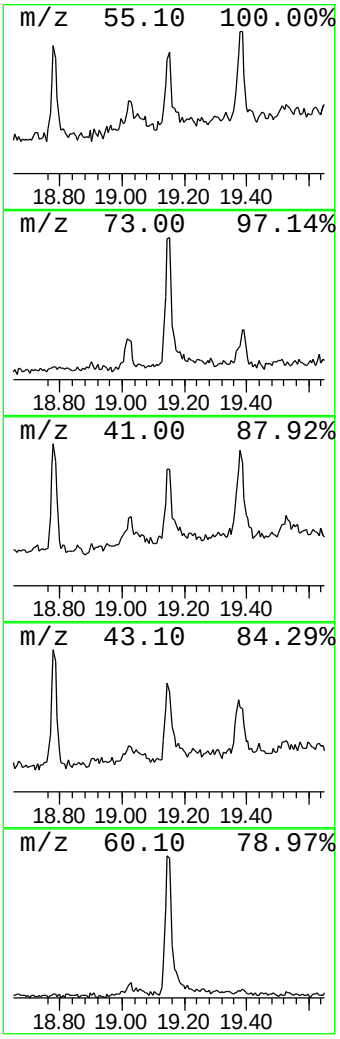
****

Peak Number 22 Octadecanoic acid Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	2.11 ng/ul	791381	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Library Search Compound Report

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Operator : SJ/JU
Sample : J1631-09
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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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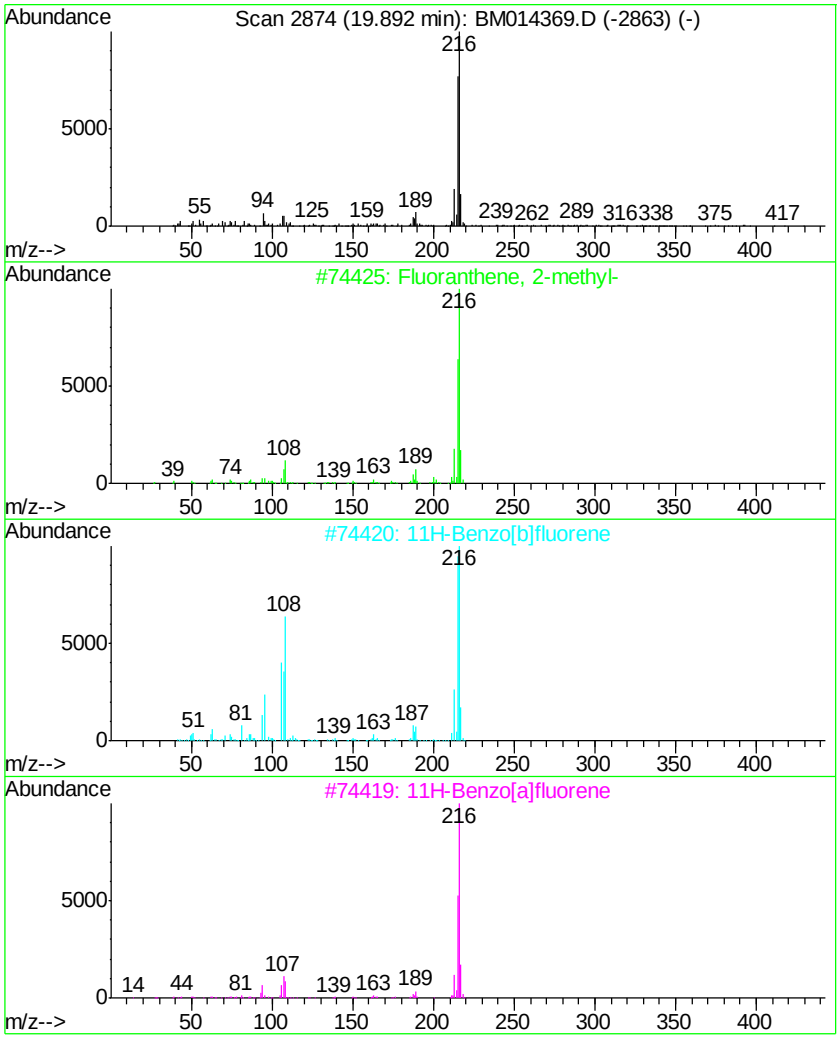
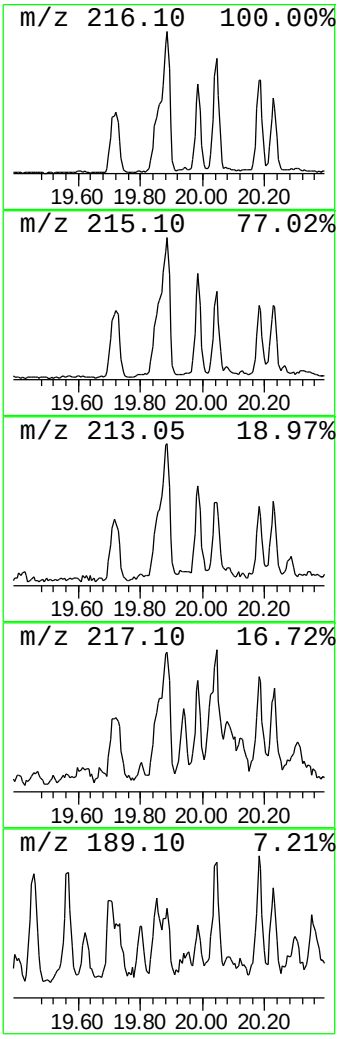
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	6.19 ng/ul	2320150	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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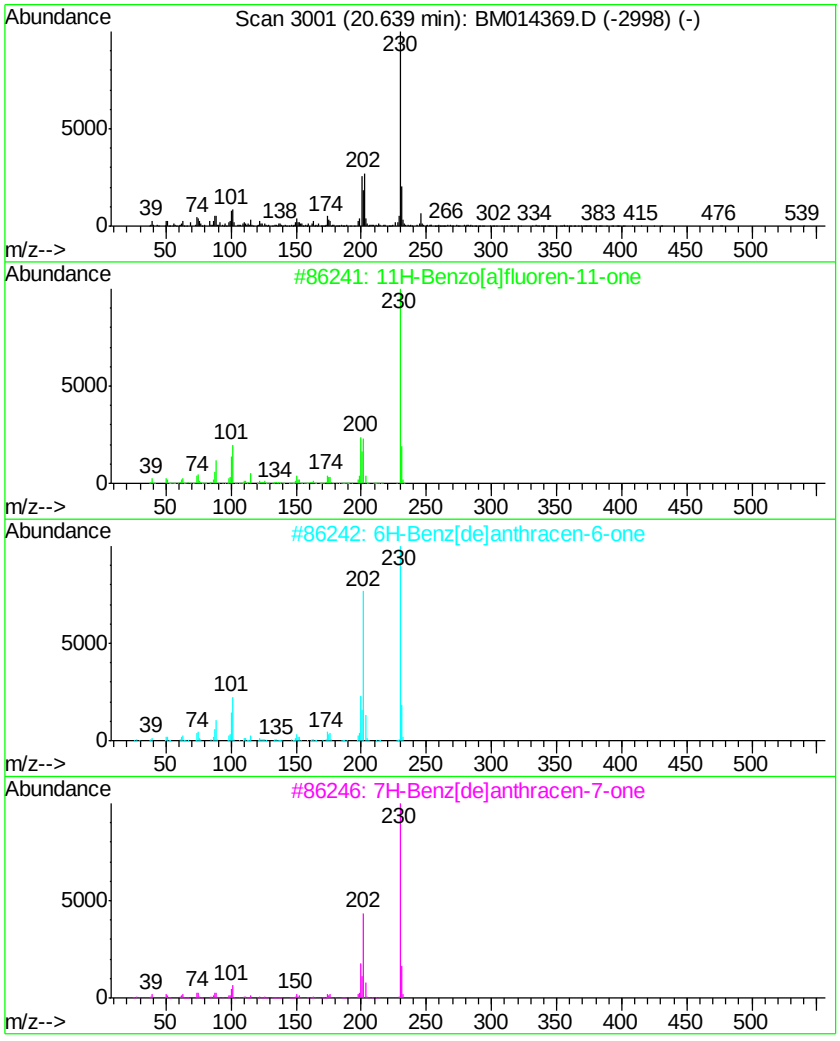
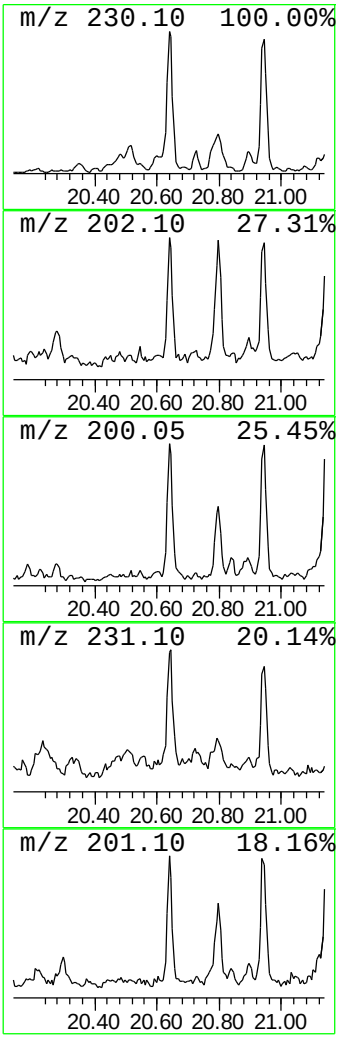
Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	3.03 ng/ul	1136510	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80





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Instrument : BNA_M
ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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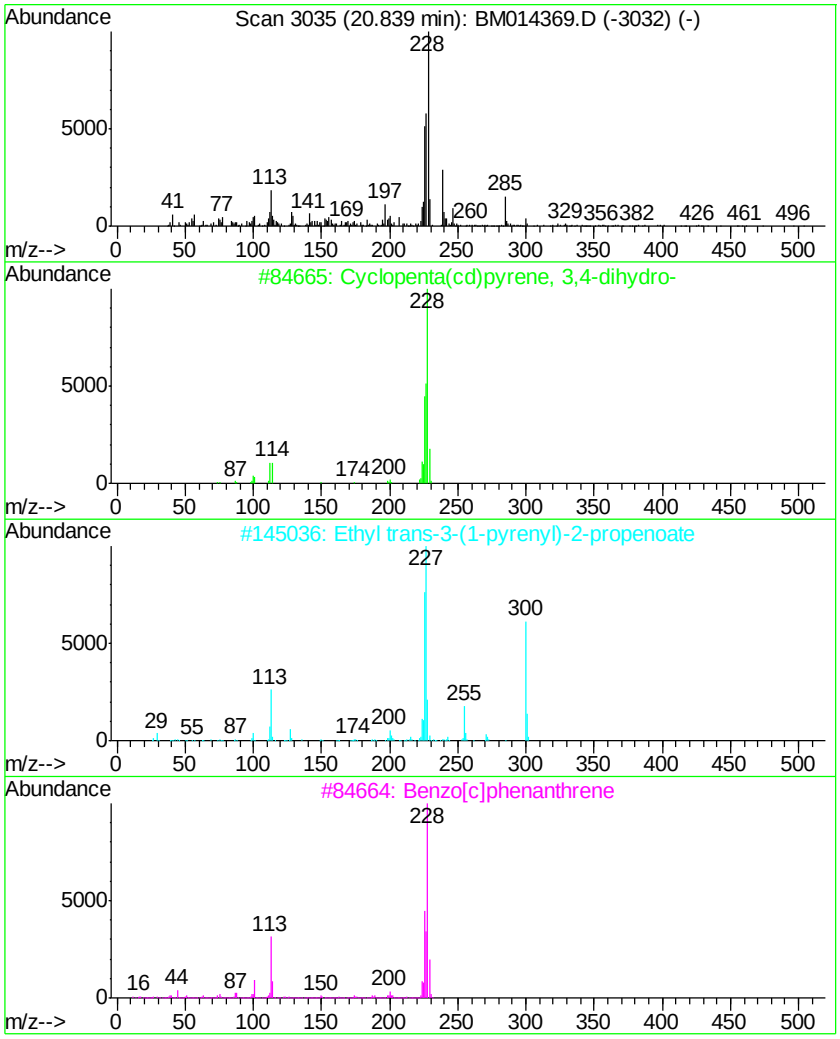
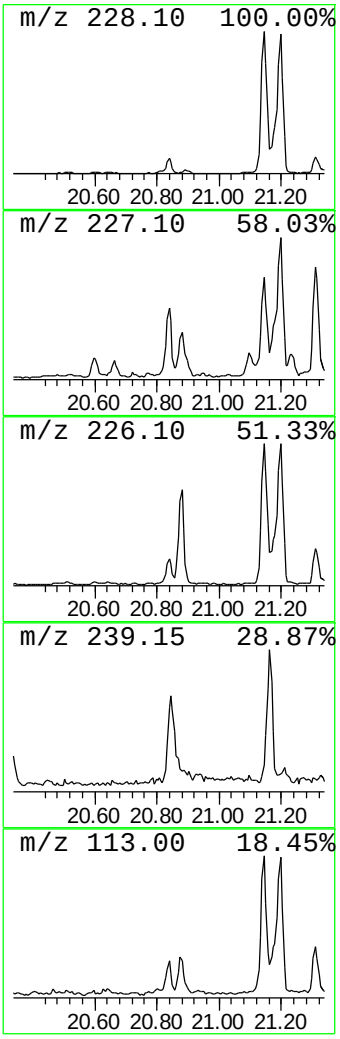
Peak Number 25 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.61 ng/ul	977835	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	43
2	Ethyl trans-3-(1-pyrenyl)-2-prop...	300	C21H16O2	1000326-14-5	41
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
4	Octahydroanthracen, 3,9-dimethyl...	426	C28H42O3	1000213-77-5	38
5	2-(4-Methoxyphenyl)benzoic acid	228	C14H12O3	1000305-27-1	38





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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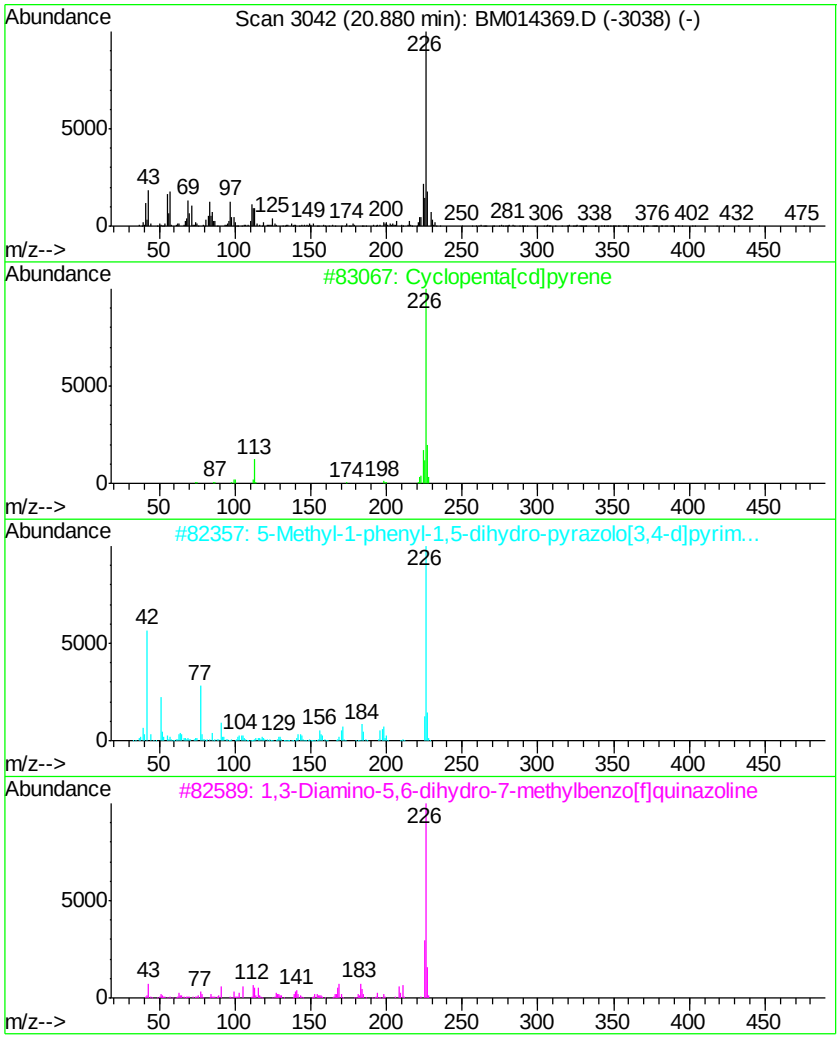
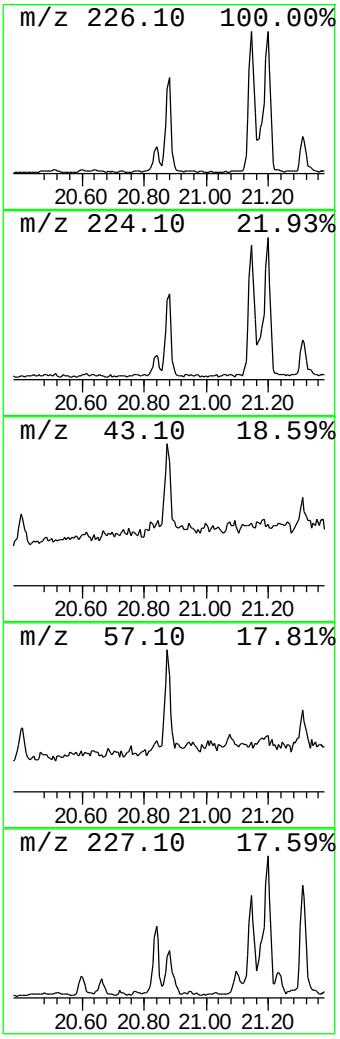
Peak Number 26 Cyclopenta[cd]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	4.92 ng/ul	1842870	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	47
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





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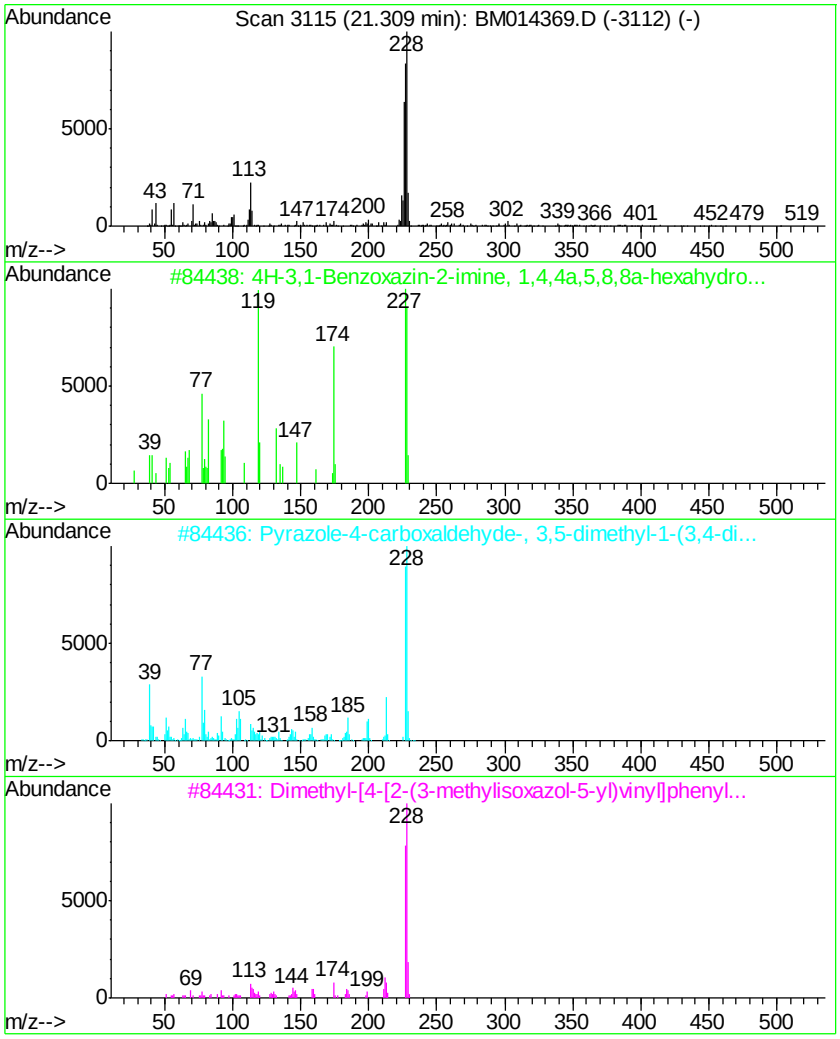
Quant Title : SVOA CALIBRATION

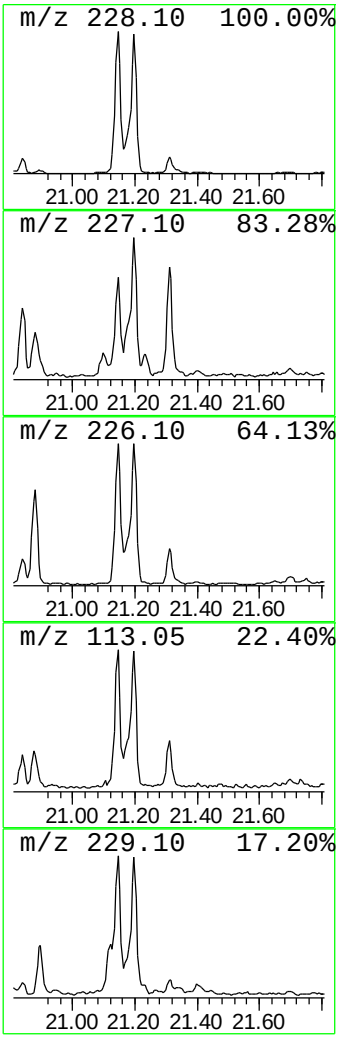
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 4H-3,1-Benzoxazin-2-imine, ... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.43 ng/ul	911637	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	64
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	46





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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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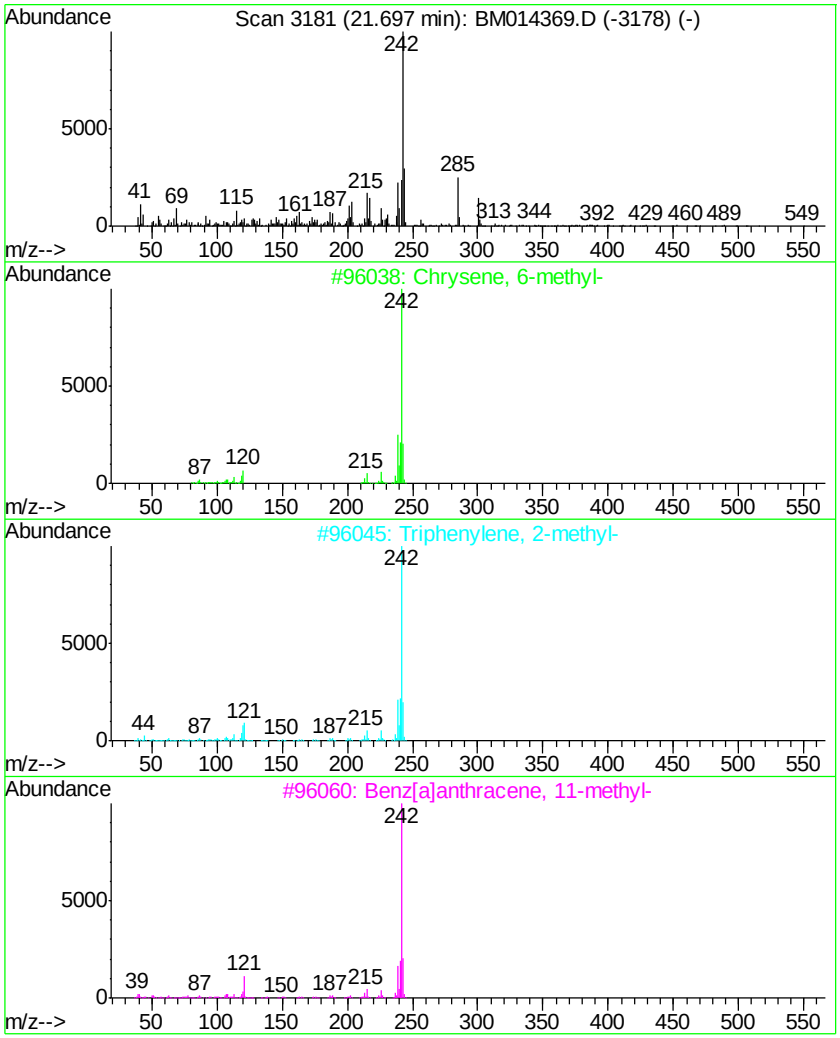
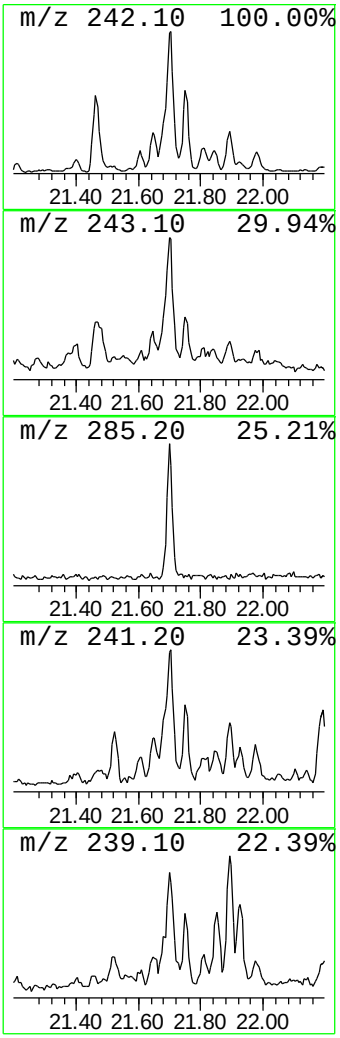
Peak Number 29 Chrysene, 6-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	4.10 ng/ul	1536210	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	001705-85-7	78
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	78
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	78
4	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	64
5	Benz[a]anthracene, 5-methyl-	242	C19H14	002319-96-2	64





Tentatively Identified Compound (LSC) summary

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Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	4.68	3.0	ng/ul	184581	1	7.53	1234750	20.0
o-Cymene	7.65	3.9	ng/ul	239995	1	7.53	1234750	20.0
(DEL) Alkane: Str...	15.04	3.2	ng/ul	374548	3	14.18	2309410	20.0
(DEL) Alkane: Str...	15.92	4.3	ng/ul	485767	4	16.94	2247420	20.0
Benzenamine, 2-ch...	16.12	2.3	ng/ul	257777	4	16.94	2247420	20.0
9H-Fluoren-9-one	16.61	2.9	ng/ul	323204	4	16.94	2247420	20.0
(DEL) Alkane: Str...	16.70	3.7	ng/ul	411970	4	16.94	2247420	20.0
Naphtho[2,1-b]thi...	16.76	3.5	ng/ul	394093	4	16.94	2247420	20.0
Benzo[h]quinoline	17.14	3.1	ng/ul	345644	4	16.94	2247420	20.0
unknown-01	17.53	2.1	ng/ul	236442	4	16.94	2247420	20.0
Phenanthrene, 2-m...	17.82	6.9	ng/ul	772712	4	16.94	2247420	20.0
1H-Cyclopropa[l]p...	17.86	20.0	ng/ul	2243950	4	16.94	2247420	20.0
4H-Cyclopenta[def...	18.02	13.7	ng/ul	1535320	4	16.94	2247420	20.0
Anthracene, 9-met...	18.05	4.7	ng/ul	522247	4	16.94	2247420	20.0
unknown-02	18.22	3.0	ng/ul	331220	4	16.94	2247420	20.0
5,16[1',2']:8,13[...	18.33	4.0	ng/ul	449164	4	16.94	2247420	20.0
Benzo[c]cinnoline	18.38	5.1	ng/ul	571080	4	16.94	2247420	20.0
di-p-Tolylacetylene	18.75	5.4	ng/ul	603751	4	16.94	2247420	20.0
unknown-03	18.78	15.2	ng/ul	1711050	4	16.94	2247420	20.0
Cyclopenta(def)ph...	18.90	6.1	ng/ul	687523	4	16.94	2247420	20.0
Octadecanoic acid	19.15	2.1	ng/ul	791381	5	21.16	7498040	20.0
Fluoranthene, 2-m...	19.89	6.2	ng/ul	2320150	5	21.16	7498040	20.0
11H-Benzo[a]fluor...	20.64	3.0	ng/ul	1136510	5	21.16	7498040	20.0
unknown-04	20.84	2.6	ng/ul	977835	5	21.16	7498040	20.0
Cyclopenta[cd]pyrene	20.88	4.9	ng/ul	1842870	5	21.16	7498040	20.0
4H-3,1-Benzoxazin...	21.31	2.4	ng/ul	911637	5	21.16	7498040	20.0
Chrysene, 6-methyl-	21.70	4.1	ng/ul	1536210	5	21.16	7498040	20.0