LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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	3.105	17	20	28	rVB2	56014	84079	1.42%	0.073%
2	3.605	101	105	111	rVB	67618	91544	1.55%	0.079%
3	4.681	284	288	300	rVB2	125263	278178	4.71%	0.240%
4	5.952	500	504	512	rVB	50270	81043	1.37%	0.070%
5	6.728	629	636	651	rBV	1184528	2167106	36.71%	1.871%
6	6.881	656	662	673	rVV	918411	1394932	23.63%	1.204%
7	7.069	687	694	704	rBV	1332865	2096739	35.52%	1.810%
8	7.528	765	772	780	rBV	750050	1224623	20.74%	1.057%
9	8.251	889	895	905	rBV	1376187	2284422	38.70%	1.972%
10	8.687	961	969	980	rBV	1369607	2228090	37.74%	1.923%
11	9.398	1083	1090	1105	rBV	1162112	2003885	33.94%	1.730%
12	9.940	1175	1182	1194	rBV	1588824	2862134	48.48%	2.471%
13	10.298	1235	1243	1248	rBV	1068417	1751013	29.66%	1.512%
14	10.345	1248	1251	1256	rVB	70690	108820	1.84%	0.094%
15	10.457	1263	1270	1287	rBV	680852	1490533	25.25%	1.287%
16	12.198	1559	1566	1571	rVB2	48920	81466	1.38%	0.070%
17	13.486	1778	1785	1793	rBV3	264276	453625	7.68%	0.392%
18	13.610	1800	1806	1811	rVV	3098566	4710373	79.79%	4.066%
19	13.657	1811	1814	1819	rVB	839295	1074558	18.20%	0.928%
20	13.875	1843	1851	1864	rVB	3341602	5134823	86.98%	4.433%
21	14.086	1882	1887	1892	rVB2	91039	112271	1.90%	0.097%
22	14.186	1892	1904	1910	rBV2	1401497	2600872	44.06%	2.245%
23	14.251	1910	1915	1918	rVV	271720	384555	6.51%	0.332%
24	14.280	1918	1920	1926	rVB4	119143	138896	2.35%	0.120%
25	14.451	1935	1949	1968	rBV	600829	1622197	27.48%	1.400%
26	14.592	1968	1973	1979	rBV2	217289	325423	5.51%	0.281%
27	14.863	2015	2019	2027	rBV3	131608	181561	3.08%	0.157%
28	14.992	2034	2041	2044	rBV5	43058	75473	1.28%	0.065%
29	15.045	2044	2050	2052	rVV3	143207	228279	3.87%	0.197%
30	15.075	2052	2055	2064	rVV	257276	377521	6.39%	0.326%
31	15.192	2068	2075	2080	rVV	3755459	5270444	89.28%	4.550%
32	15.245	2080	2084	2091	rVB2	234974	378768	6.42%	0.327%
33	15.345	2095	2101	2108	rBV2	350859	630020	10.67%	0.544%
34	15.427	2109	2115	2116	rVV6	66859	102380	1.73%	0.088%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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

35	15.451	2116	2119	2123	rVB5	73224	117516	1.99%	0.101%
36	15.545	2130	2135	2142	rBV5	92683	205899	3.49%	0.178%
37	15.686	2155	2159	2167	rVB2	101807	218287	3.70%	0.188%
38	15.916	2193	2198	2205	rBV3	155419	307746	5.21%	0.266%
39	16.251	2244	2255	2260	rBV5	91372	241095	4.08%	0.208%
40	16.304	2260	2264	2269	rVB4	48550	92041	1.56%	0.079%
41	16.521	2298	2301	2306	rVB4	81832	94531	1.60%	0.082%
42	16.610	2311	2316	2321	rVB	207818	292977	4.96%	0.253%
43	16.698	2323	2331	2337	rBV6	132892	340947	5.78%	0.294%
44	16.763	2338	2342	2350	rVB	206335	322764	5.47%	0.279%
45	16.857	2354	2358	2363	rVB7	59108	93394	1.58%	0.081%
46	16.945	2365	2373	2376	rBV	1419630	2083685	35.30%	1.799%
47	16.986	2376	2380	2385	rVV	3512985	5028775	85.18%	4.341%
48	17.045	2385	2390	2394	rVV	3602099	5119753	86.72%	4.420%
49	17.080	2394	2396	2402	rVV	645200	775479	13.14%	0.669%
50	17.145	2403	2407	2417	rVB2	98705	200905	3.40%	0.173%
51	17.363	2436	2444	2450	rBV2	311209	633156	10.73%	0.547%
52	17.468	2455	2462	2468	rVV5	88582	205978	3.49%	0.178%
53	17.533	2469	2473	2480	rVB7	73775	152318	2.58%	0.131%
54	17.739	2503	2508	2514	rVB5	117008	198427	3.36%	0.171%
55	17.821	2514	2522	2525	rBV	412487	708402	12.00%	0.612%
56	17.857	2525	2528	2537	rVV2	1028828	1930867	32.71%	1.667%
57	17.951	2541	2544	2549	rVV	172707	261329	4.43%	0.226%
58	18.015	2549	2555	2559	rVV3	510112	980387	16.61%	0.846%
59	18.051	2559	2561	2567	rVB	271044	336626	5.70%	0.291%
60	18.139	2572	2576	2580	rBV6	100662	183180	3.10%	0.158%
61	18.327	2603	2608	2613	rVV	302029	416353	7.05%	0.359%
62	18.380	2613	2617	2622	rVV	400628	561747	9.52%	0.485%
63	18.580	2648	2651	2655	rVB3	91680	107451	1.82%	0.093%
64	18.627	2656	2659	2662	rVB	79736	83566	1.42%	0.072%
65	18.668	2662	2666	2671	rVB6	86118	137178	2.32%	0.118%
66	18.751	2672	2680	2684	rBV2	224181	437345	7.41%	0.378%
67	18.898	2698	2705	2714	rVB3	291627	710444	12.03%	0.613%
68	19.015	2720	2725	2731	rBV	4457729	5903483	100.00%	5.096%
69	19.068	2731	2734	2739	rVB3	185266	266529	4.51%	0.230%
70	19.145	2744	2747	2750	rBV3	121762	150160	2.54%	0.130%
71	19.357	2777	2783	2785	rBV2	3666457	5261252	89.12%	4.542%

LSC Area Percent Report

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Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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
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Peak separation: 5

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

72	19.386	2785	2788	2796	rVV	3982191	4794539	81.22%	4.139%
73	19.457	2797	2800	2806	rVB2	201655	313424	5.31%	0.271%
74	19.568	2815	2819	2824	rVB	210570	297731	5.04%	0.257%
75	19.633	2826	2830	2835	rVB2	175740	266553	4.52%	0.230%
76	19.710	2838	2843	2844	rBV2	209102	308425	5.22%	0.266%
77	19.857	2863	2868	2869	rBV3	166410	277165	4.69%	0.239%
78	19.880	2869	2872	2880	rVB2	380594	628470	10.65%	0.543%
79	19.986	2887	2890	2893	rVB2	184473	226910	3.84%	0.196%
80	20.039	2895	2899	2904	rVB3	245892	404460	6.85%	0.349%
81	20.180	2921	2923	2927	rVB2	153663	158427	2.68%	0.137%
82	20.227	2928	2931	2937	rVB3	204502	344652	5.84%	0.298%
83	20.639	2998	3001	3007	rBV	342837	418851	7.09%	0.362%
84	20.798	3025	3028	3031	rBV2	286185	357262	6.05%	0.308%
85	20.839	3032	3035	3037	rVV	256967	319421	5.41%	0.276%
86	20.874	3037	3041	3048	rVV2	1318756	1823471	30.89%	1.574%
87	20.939	3049	3052	3058	rVB	329911	441510	7.48%	0.381%
88	21.151	3082	3088	3092	rBV2	1847947	3720687	63.03%	3.212%
89	21.192	3092	3095	3100	rVB	1470594	1751153	29.66%	1.512%
90	21.309	3112	3115	3119	rBV2	349226	403269	6.83%	0.348%
91	21.733	3184	3187	3189	rBV	554171	673343	11.41%	0.581%
92	21.756	3189	3191	3196	rVB5	736000	922495	15.63%	0.796%
93	22.174	3259	3262	3266	rVB3	413150	526103	8.91%	0.454%
94	22.668	3341	3346	3353	rBV2	2448092	5434573	92.06%	4.692%
95	23.150	3423	3428	3431	rBV	544161	919687	15.58%	0.794%
96	23.198	3431	3436	3440	rVV	2091959	3537923	59.93%	3.054%
97	23.239	3440	3443	3452	rVB	977715	1720737	29.15%	1.485%
98	23.333	3454	3459	3463	rBV	725980	1160703	19.66%	1.002%
99	23.815	3536	3541	3548	rVB	1379994	2475191	41.93%	2.137%
100	25.497	3821	3827	3837	rVB3	774144	2015869	34.15%	1.740%

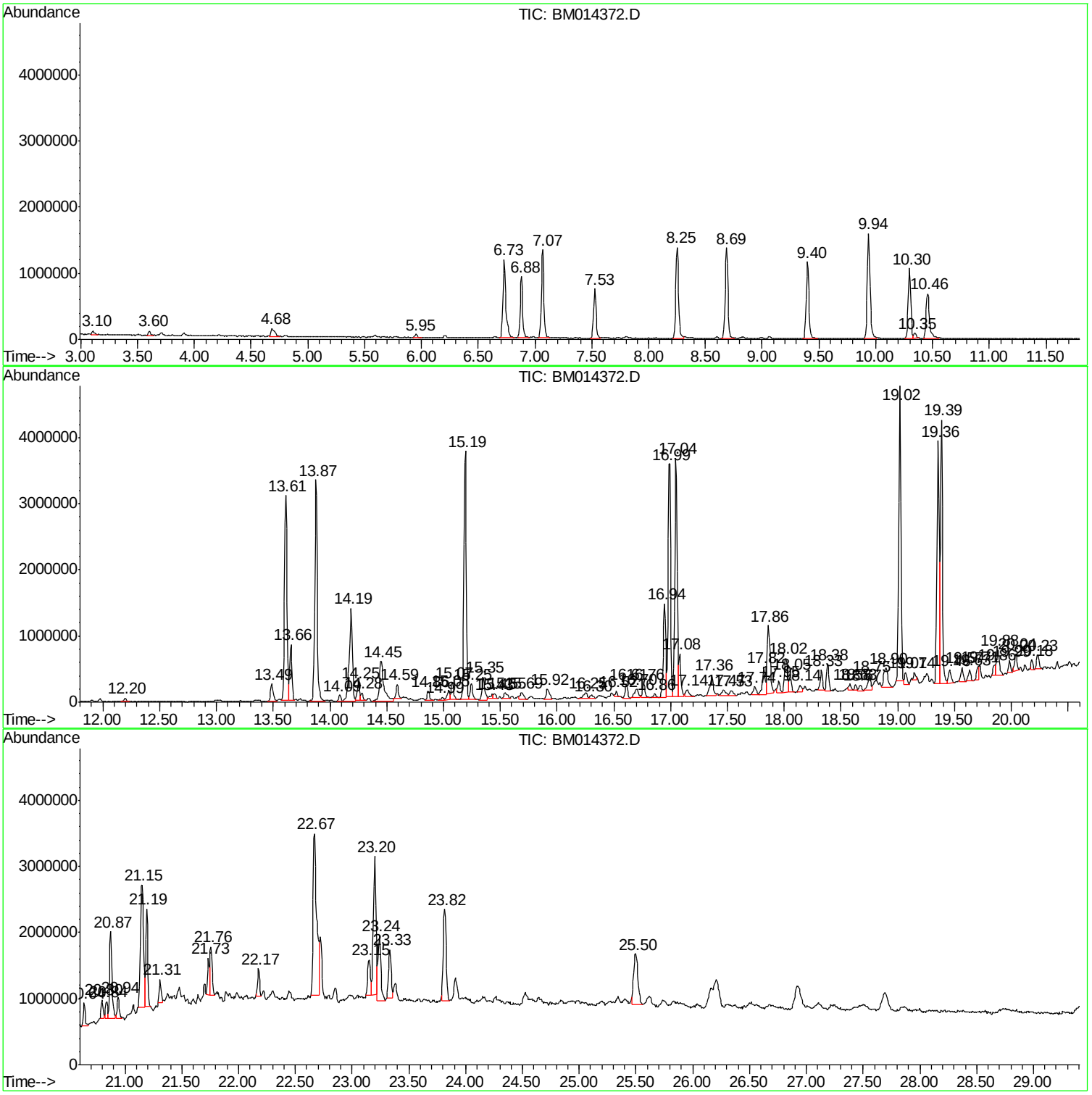
Sum of corrected areas: 115835622

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5Z8

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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Instrument : BNA_M
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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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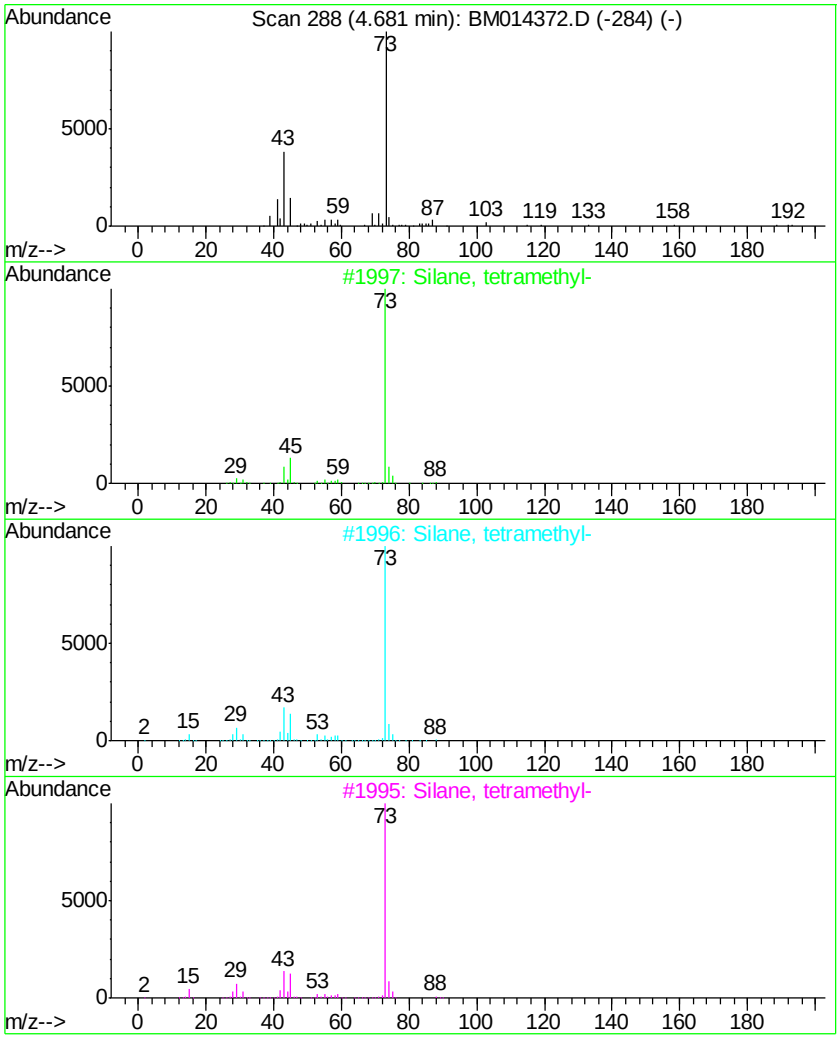
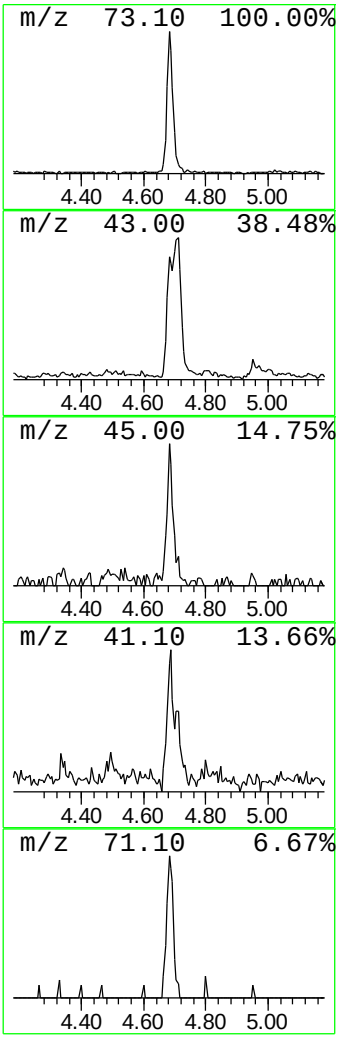
Peak Number 1 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	4.54 ng/ul	278178	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	40
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	33
4	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	25
5	1,3-Dioxolane, 2-butyl-	130	C7H14O2	004360-76-3	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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

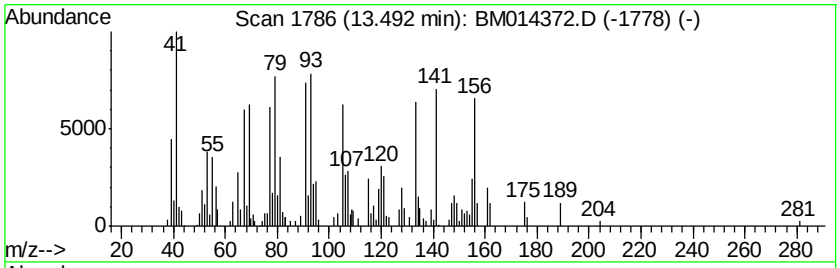
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

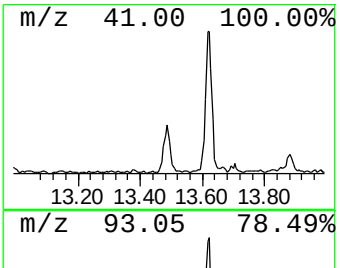
****

Peak Number 2 Caryophyllene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	3.49 ng/ul	453625	Acenaphthene-d10	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	80
2	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	68
3	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	53
4	Caryophyllene	204	C15H24	000087-44-5	52
5	(+)-2-Carene, 4-.alpha.-isoprope...	176	C13H20	1000151-26-0	43





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Instrument : BNA_M
ClientSampleId : BE5Z8

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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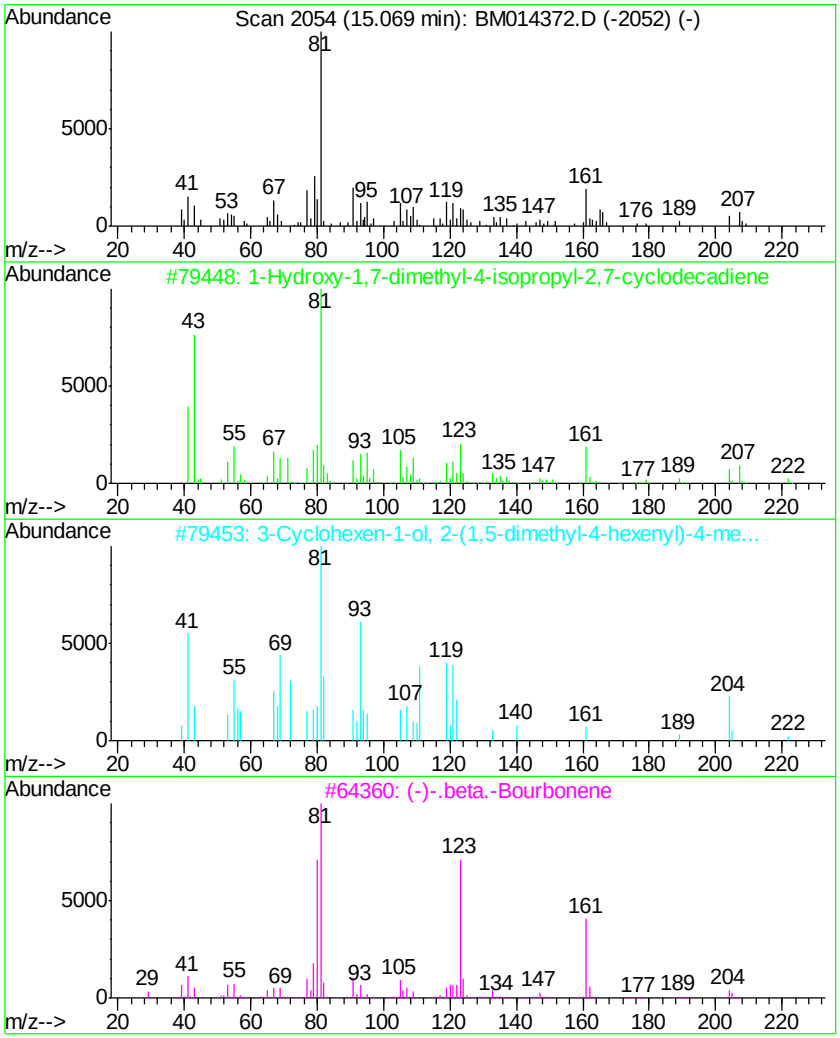
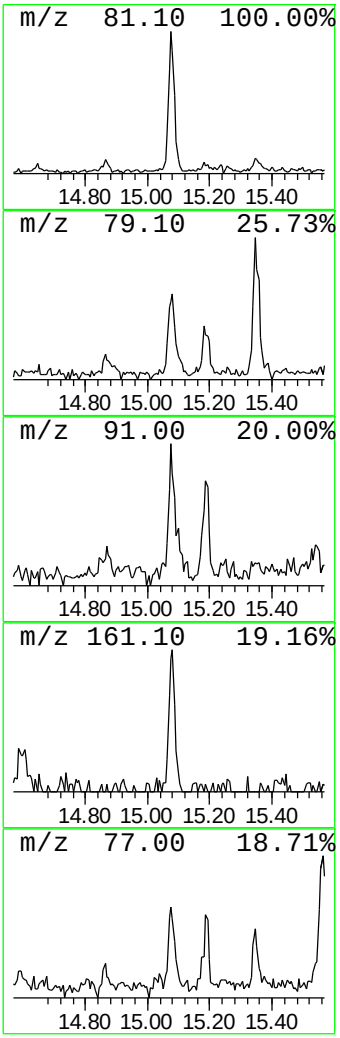
Peak Number 3 1-Hydroxy-1,7-dimethyl-4-is... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.90 ng/ul	377521	Acenaphthene-d10	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxy-1,7-dimethyl-4-isoprop...	222	C15H26O	072120-50-4	97
2	3-Cyclohexen-1-ol, 2-(1,5-dimeth...	222	C15H26O	074810-24-5	62
3	(-)-.beta.-Bourbonene	204	C15H24	005208-59-3	47
4	(-)-.beta.-Bourbonene	204	C15H24	005208-59-3	47
5	6,11-Undecadiene, 1-acetoxy-3,7-...	252	C16H28O2	1000150-66-0	47





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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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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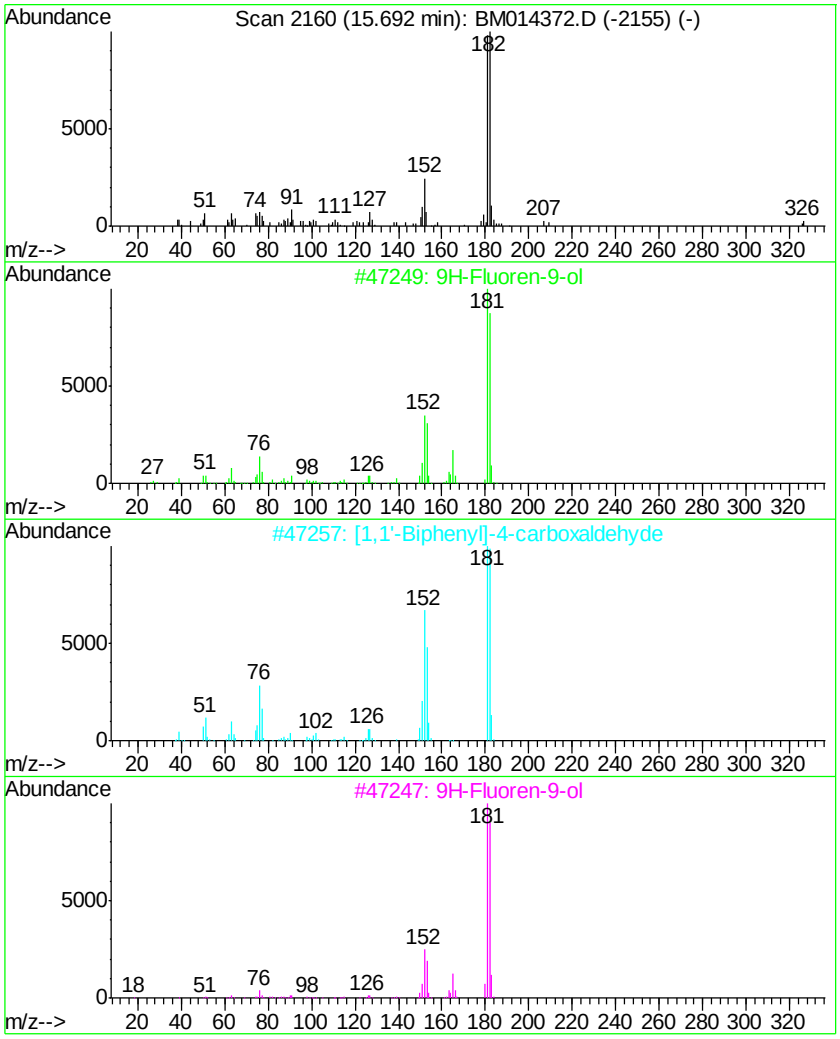
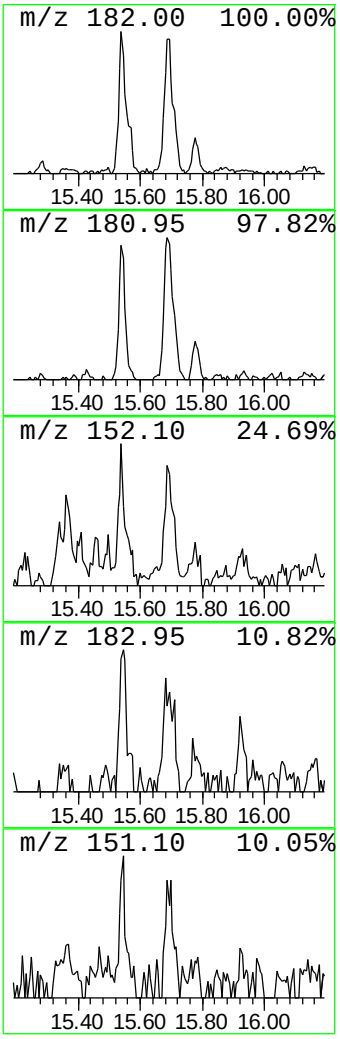
Peak Number 4 9H-Fluoren-9-ol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.10 ng/ul	218287	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
5	1-Methylcarbazole	181	C13H11N	006510-65-2	47





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

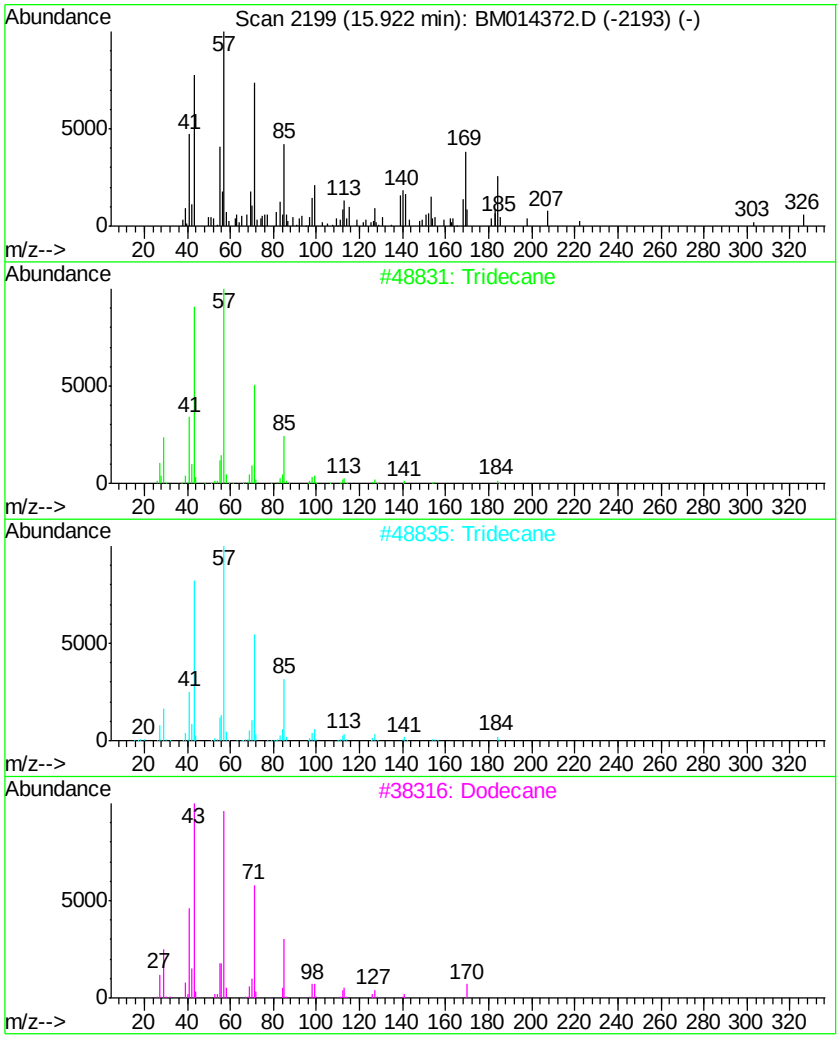
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

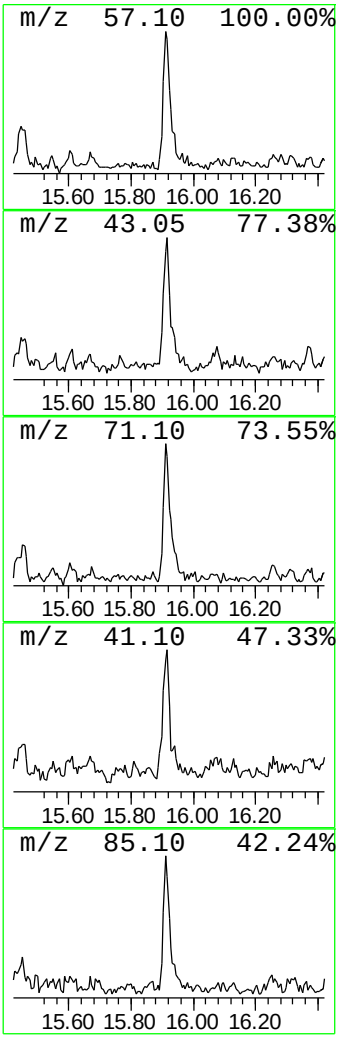
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.95 ng/ul	307746	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Tridecane	184	C13H28	000629-50-5	87
3	Dodecane	170	C12H26	000112-40-3	81
4	Dodecane	170	C12H26	000112-40-3	81
5	Tridecane	184	C13H28	000629-50-5	80





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

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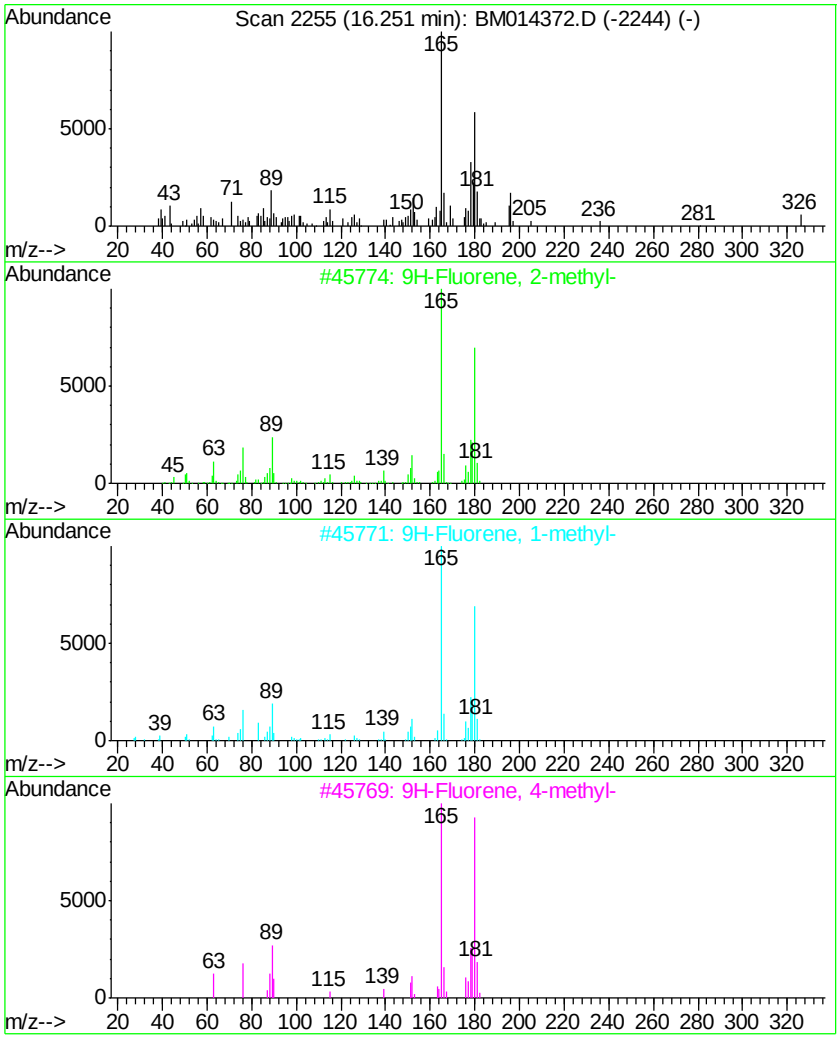
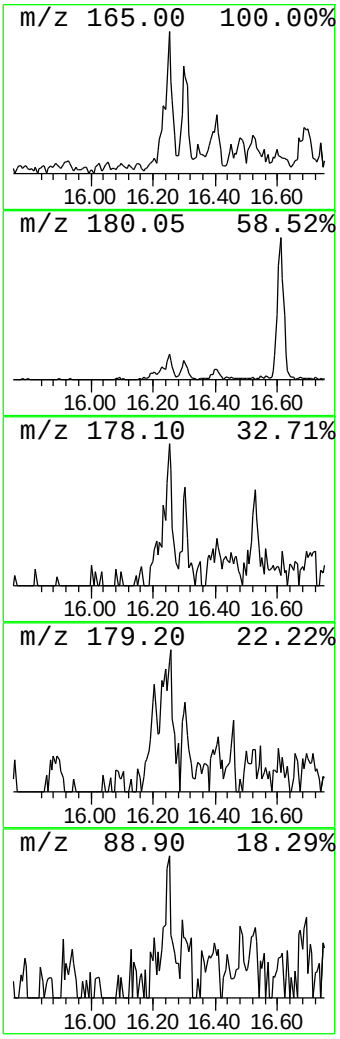
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	2.31 ng/ul	241095	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83





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Quant Title : SVOA CALIBRATION

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

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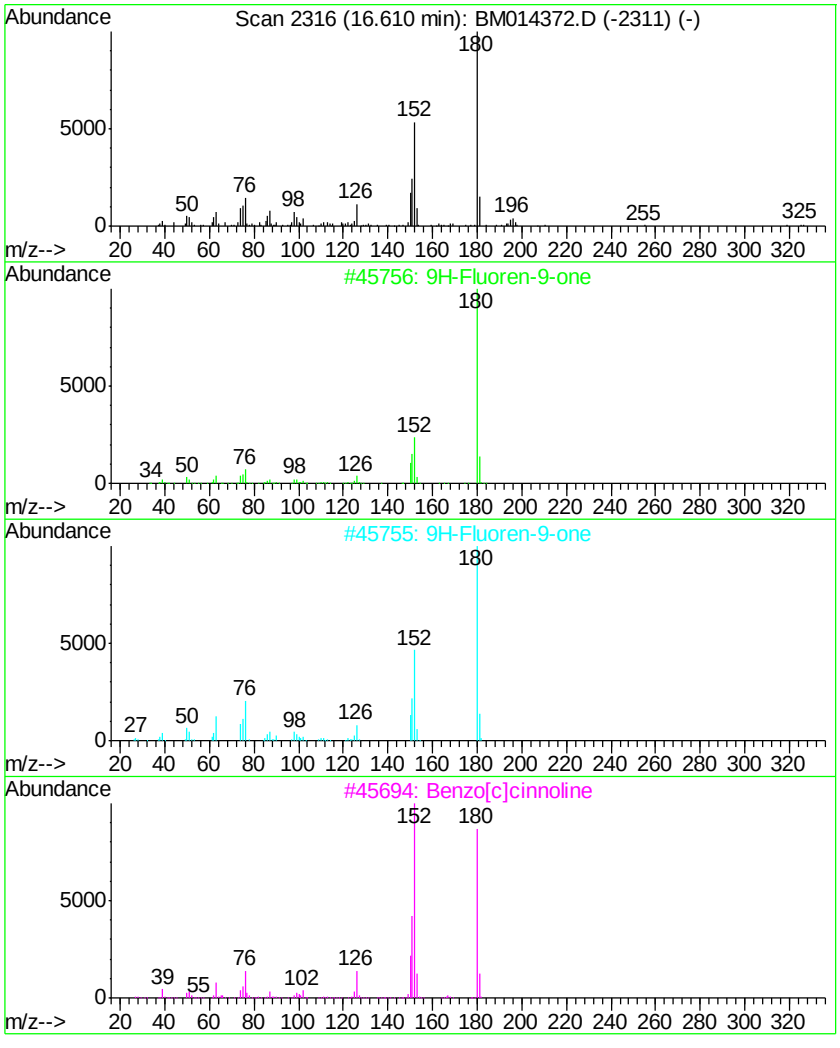
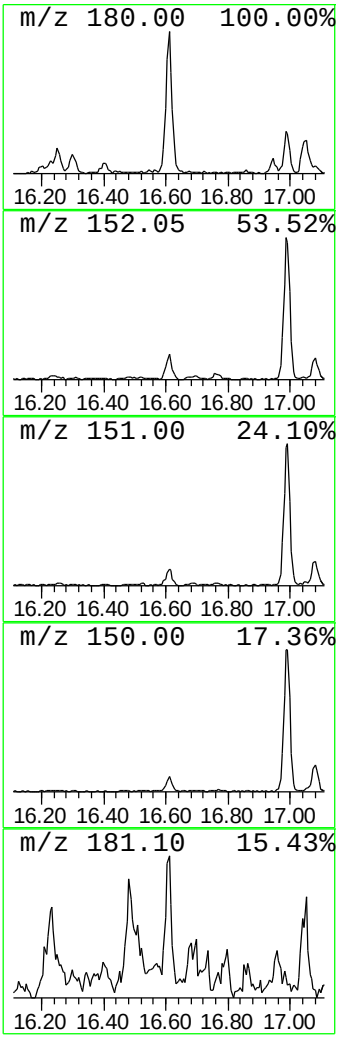
Peak Number 7 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.81 ng/ul	292977	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78





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Quant Title : SVOA CALIBRATION

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

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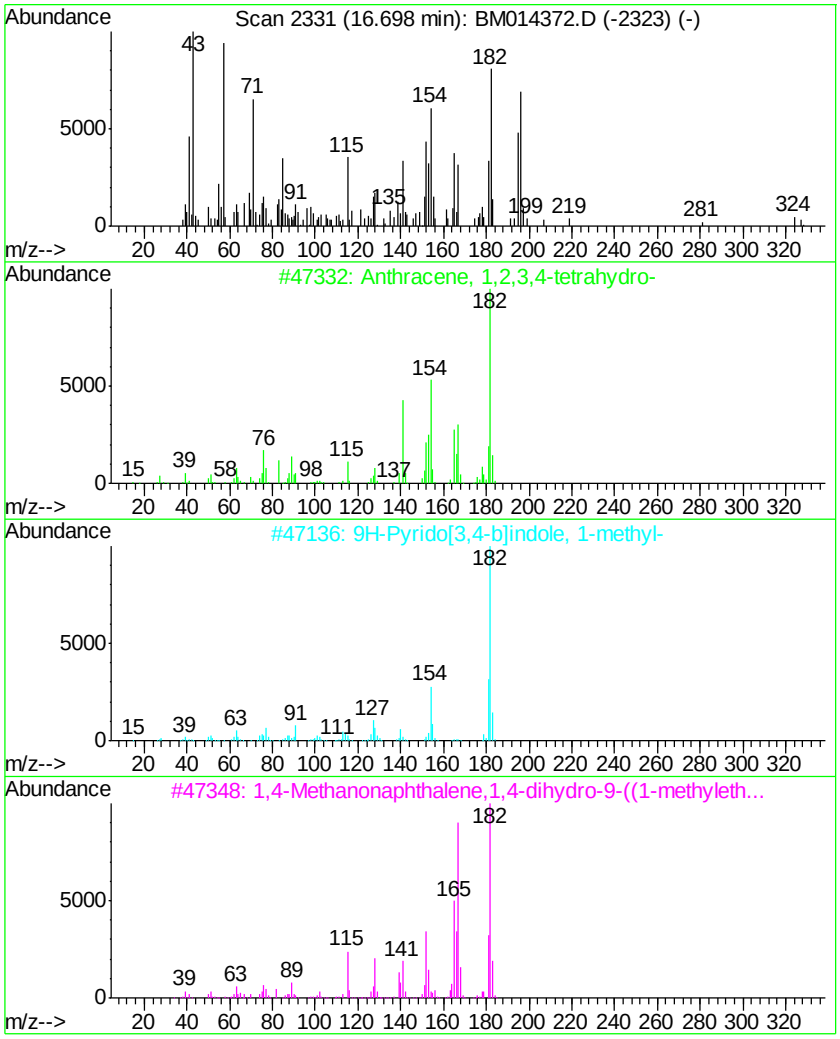
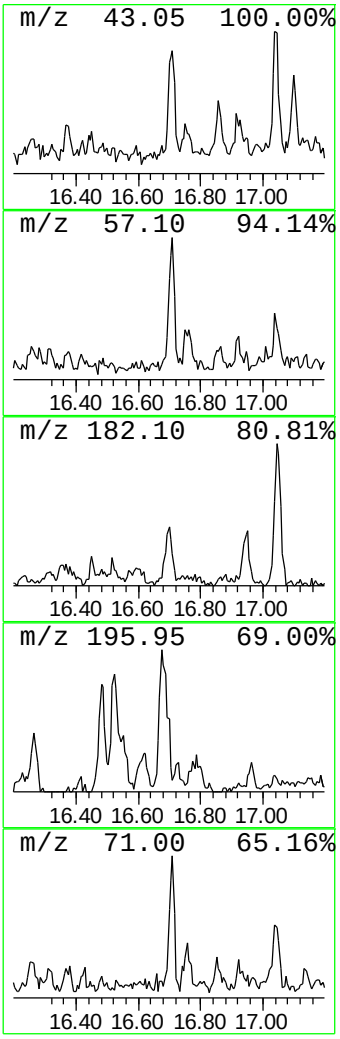
Peak Number 8 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	3.27 ng/ul	340947	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	58
2	9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	41
3	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	41
4	9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	38
5	3-Aminocarbazole	182	C12H10N2	006377-12-4	38





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Quant Title : SVOA CALIBRATION

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

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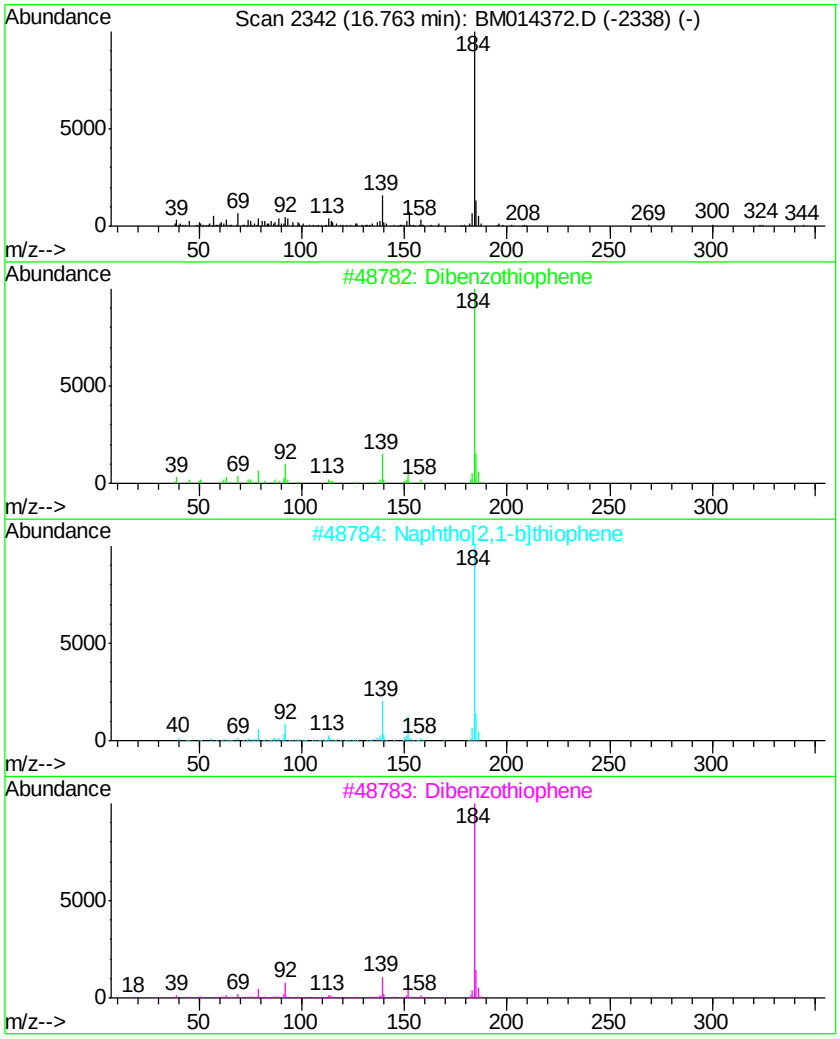
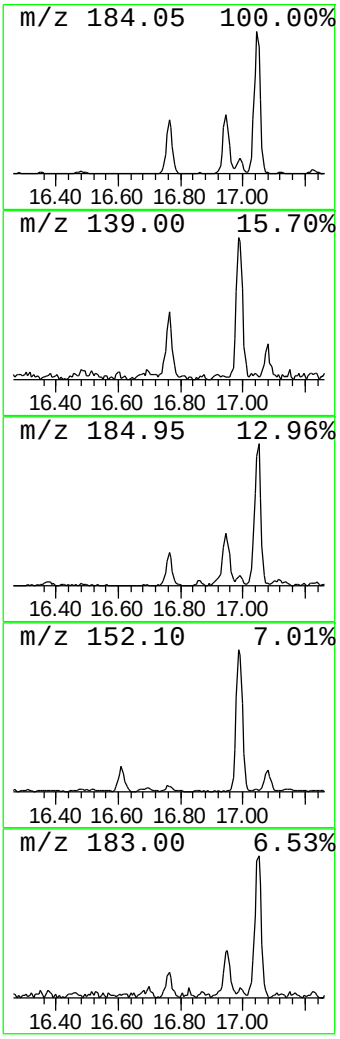
Peak Number 9 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.10 ng/ul	322764	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





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Quant Title : SVOA CALIBRATION

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

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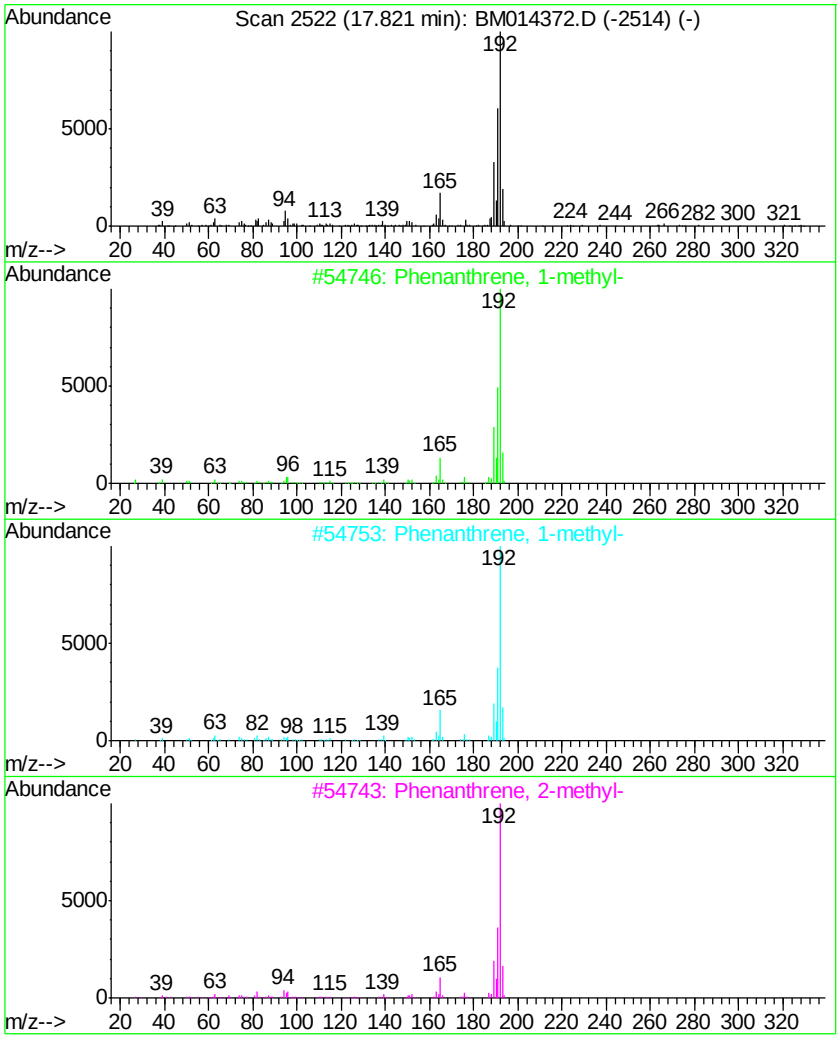
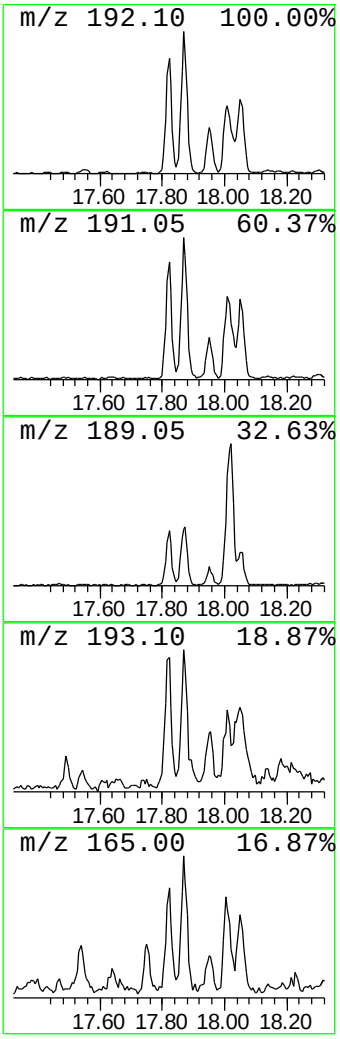
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.80 ng/ul	708402	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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

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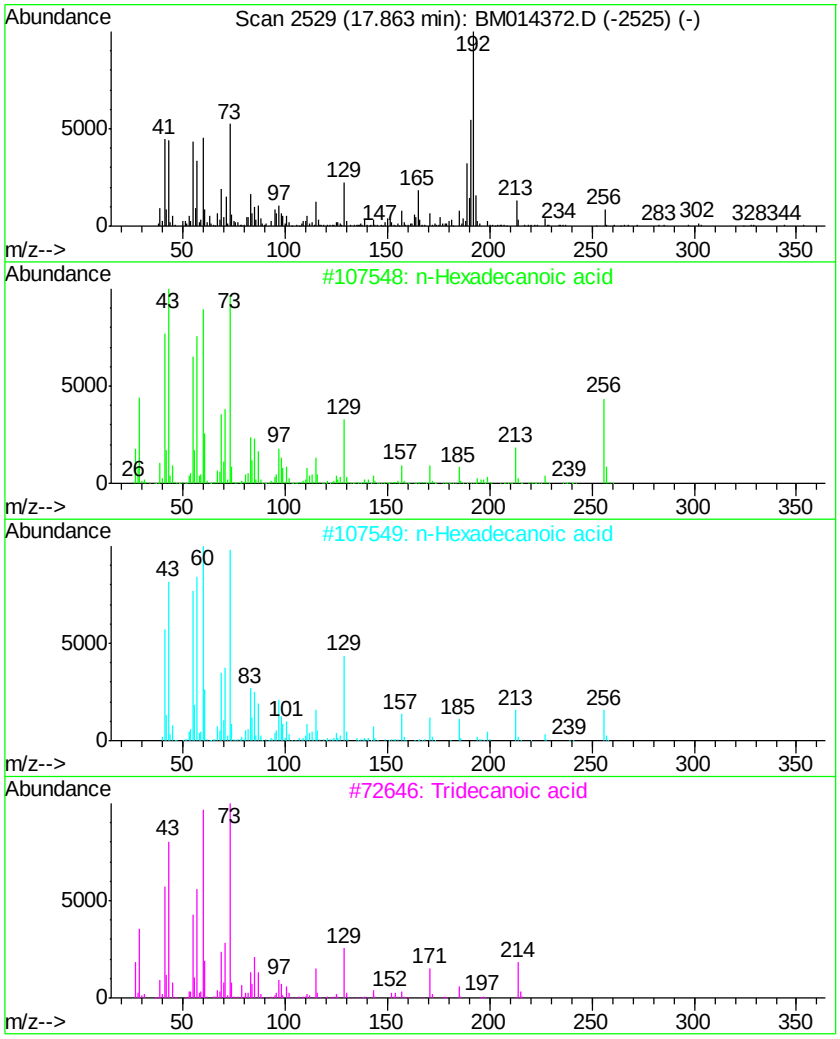
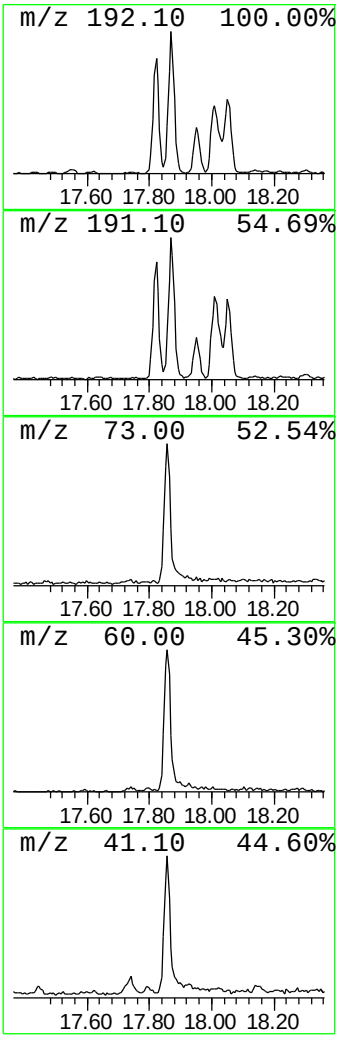
Peak Number 11 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	18.53 ng/ul	1930870	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	78
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	58





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

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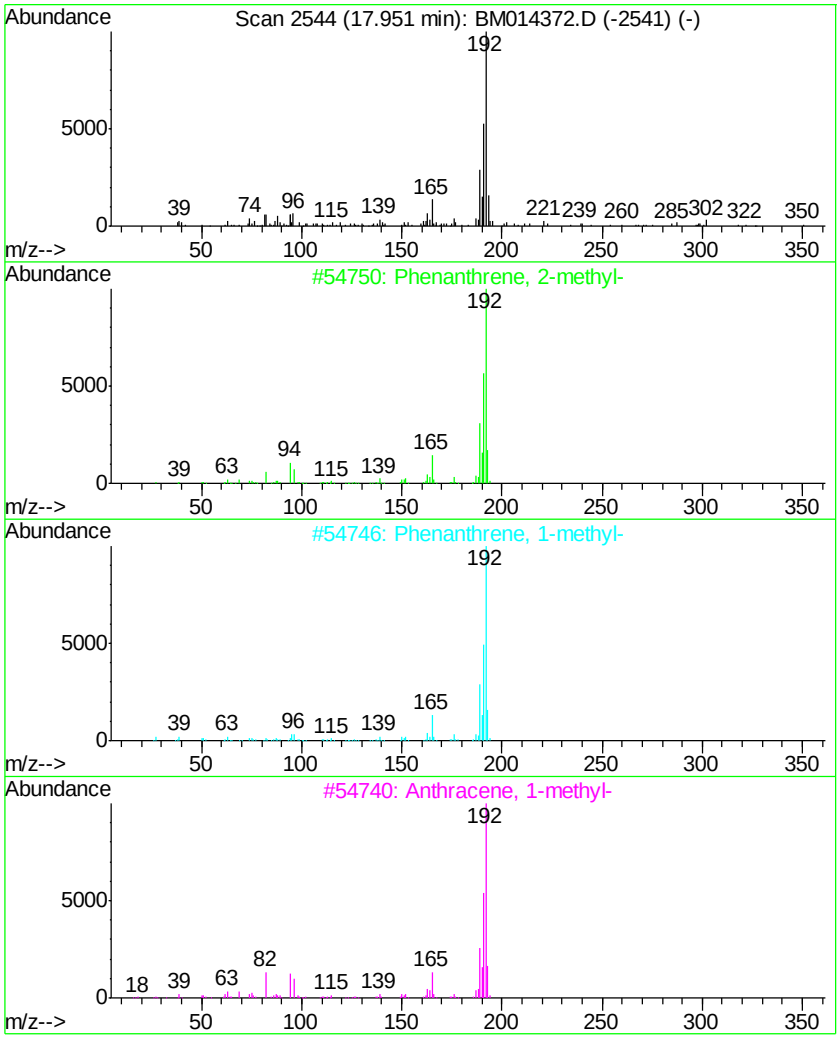
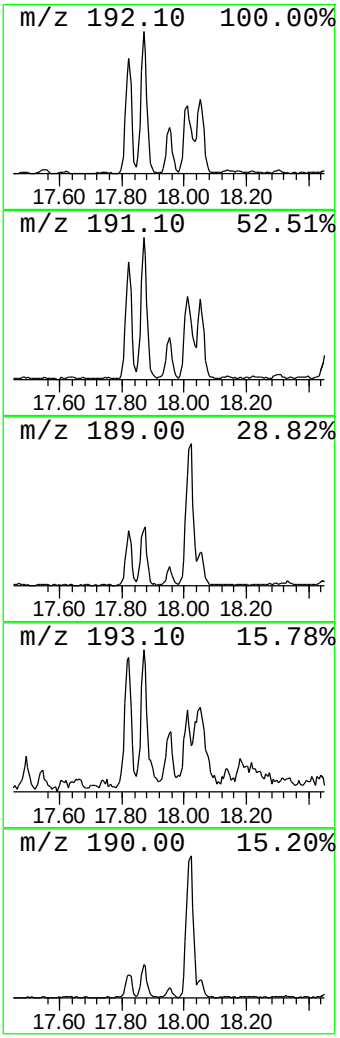
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.51 ng/ul	261329	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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

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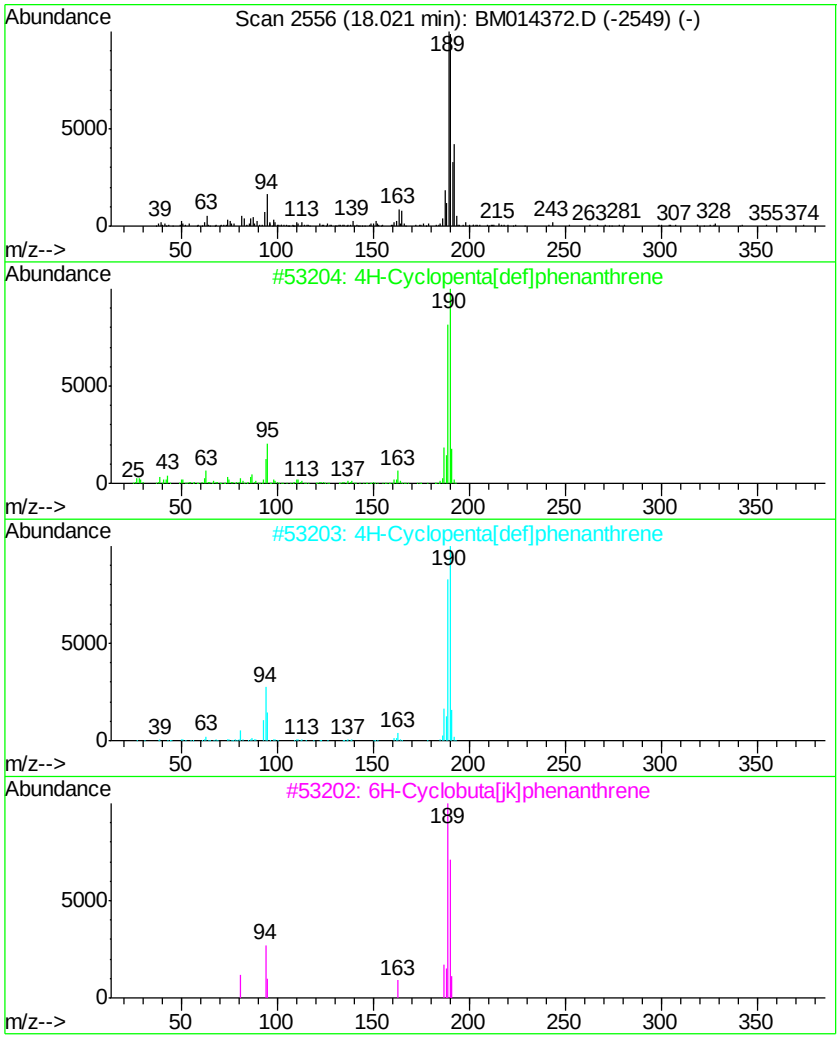
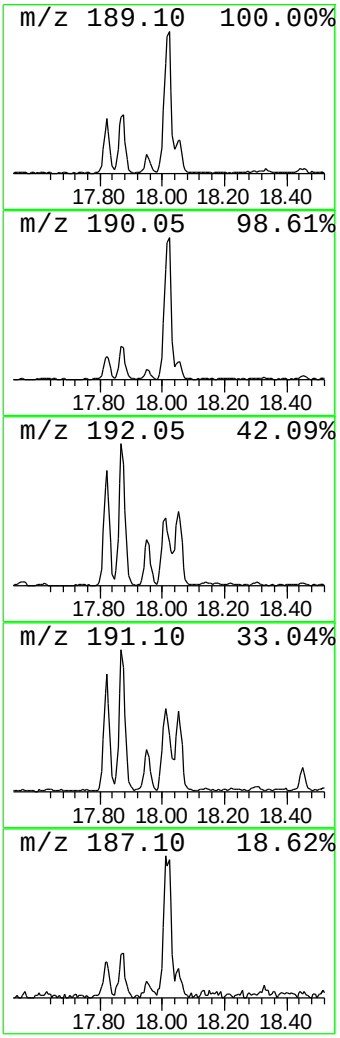
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	9.41 ng/ul	980387	Phenanthrene-d10	16.95

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	62
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





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TIC Integration Parameters: LSCINT.P

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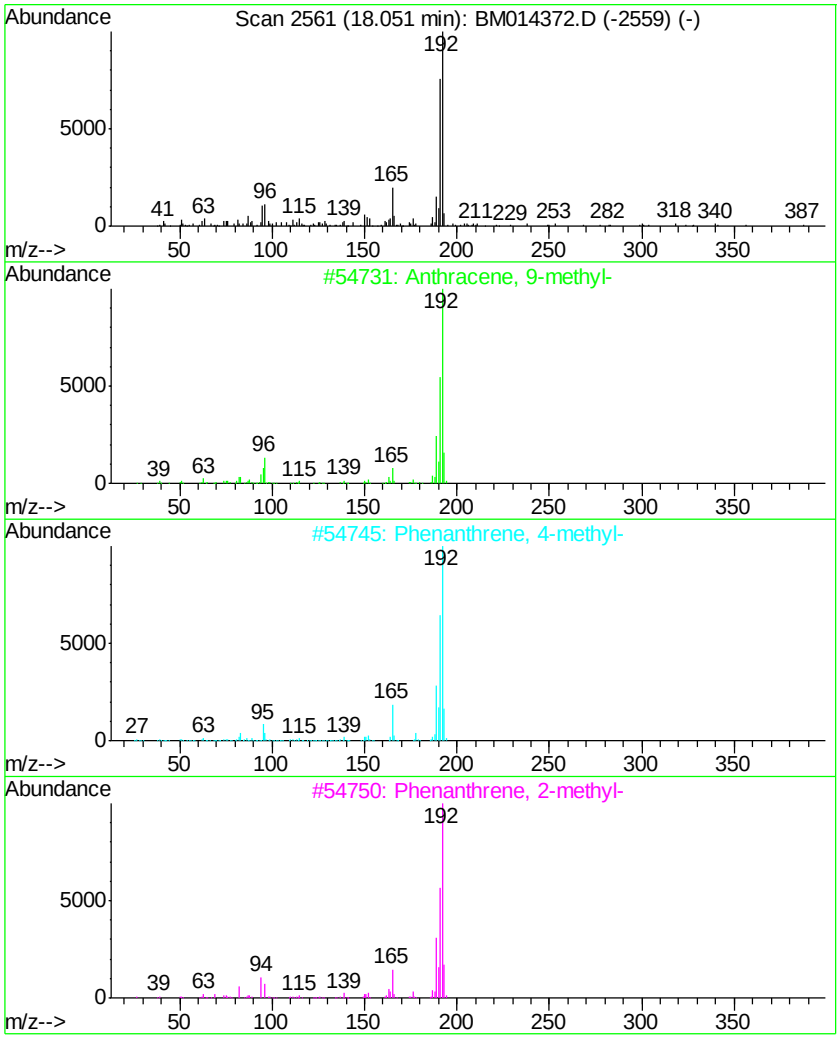
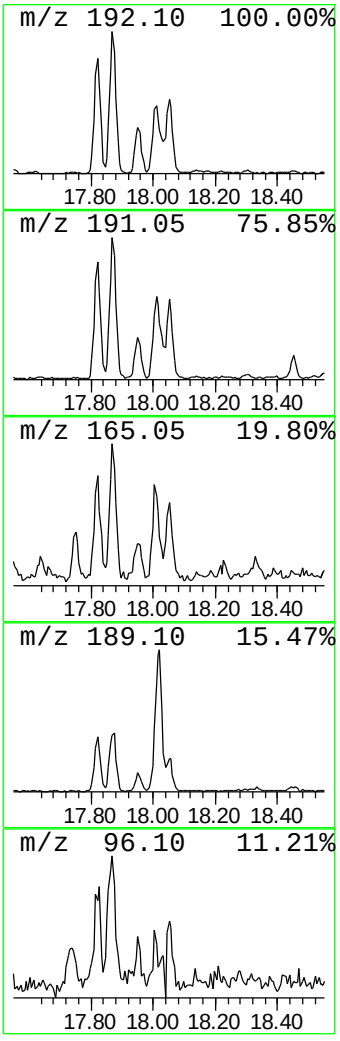
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.23 ng/ul	336626	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72





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Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.00 ng/ul	416353	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
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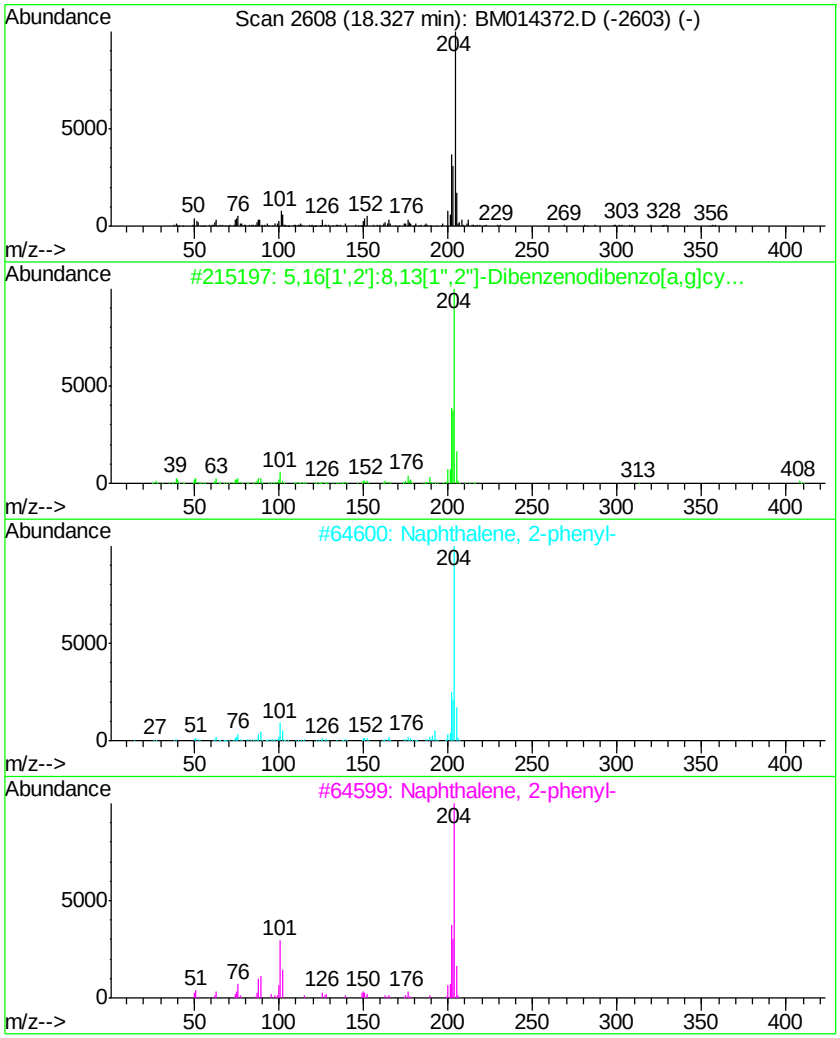

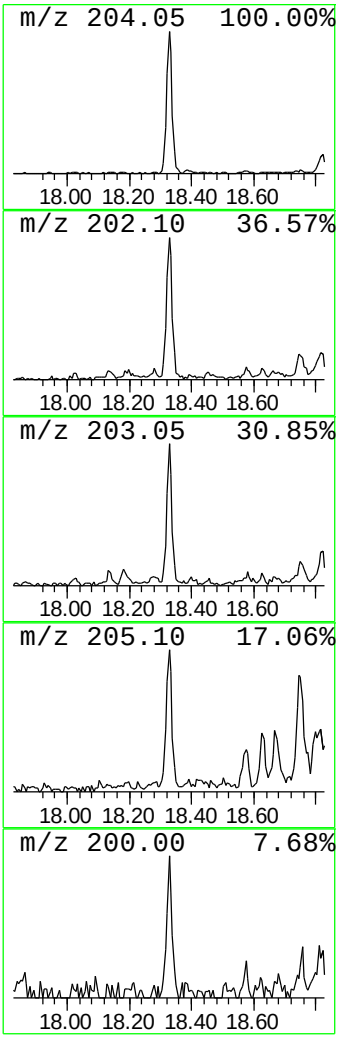

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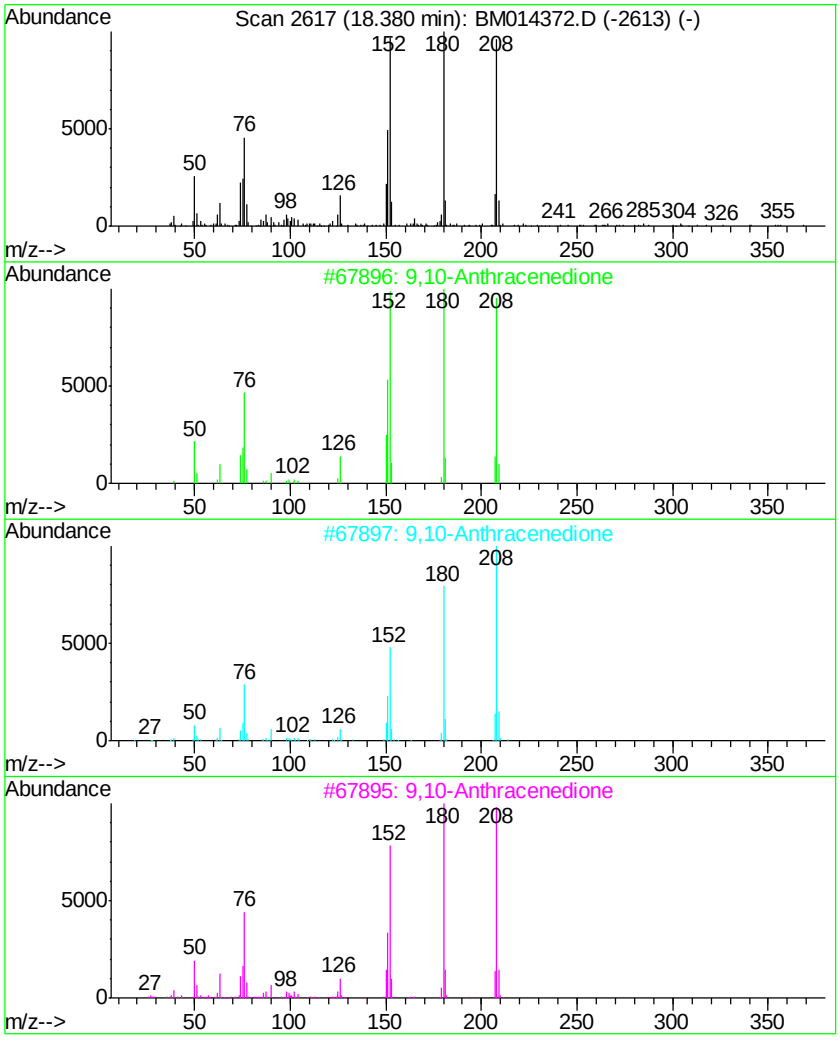
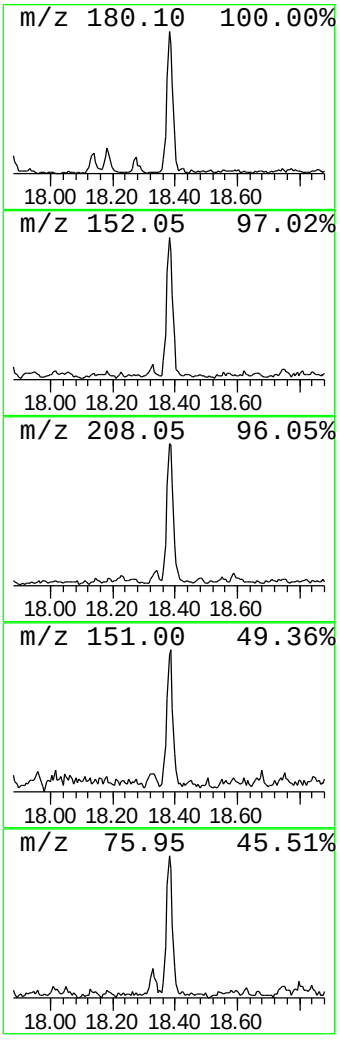
Peak Number 16 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	5.39 ng/ul	561747	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Quant Title : SVOA CALIBRATION

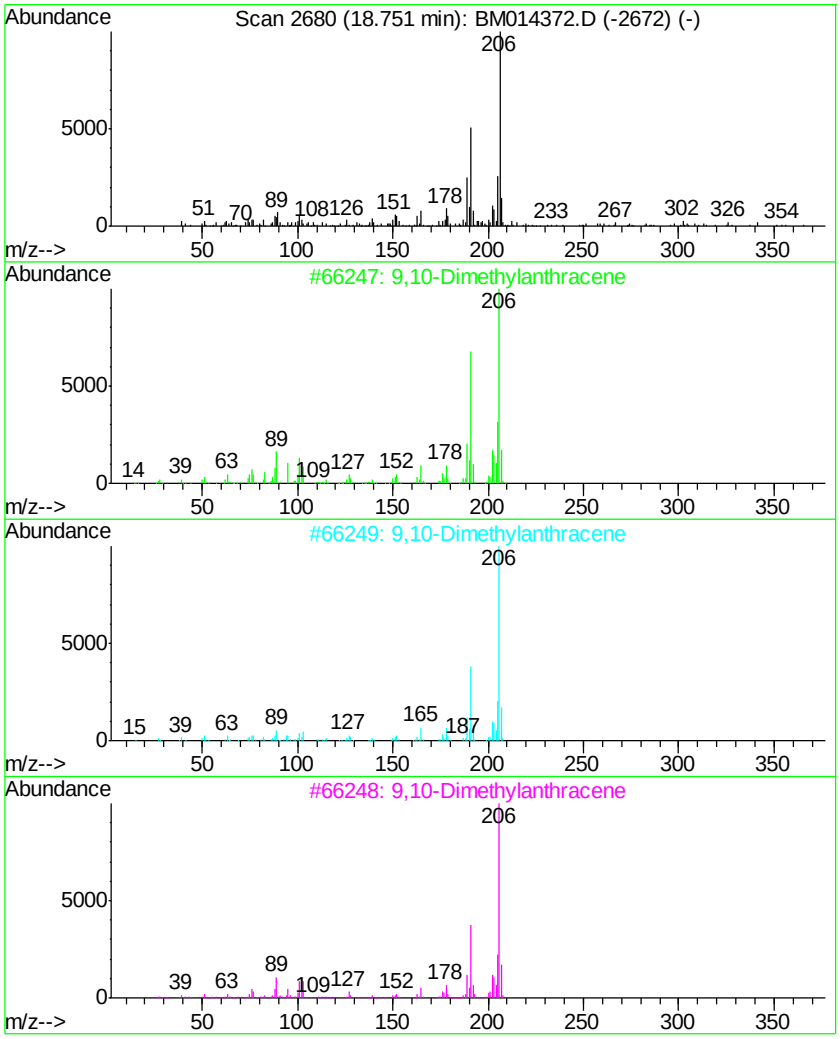
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

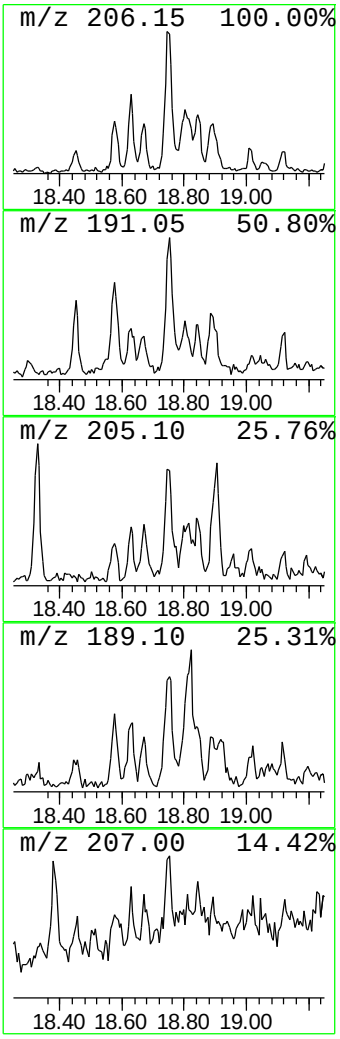
****

Peak Number 17 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	4.20 ng/ul	437345	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83





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Data File : BM014372.D
Acq On : 27 Feb 2018 00:35
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

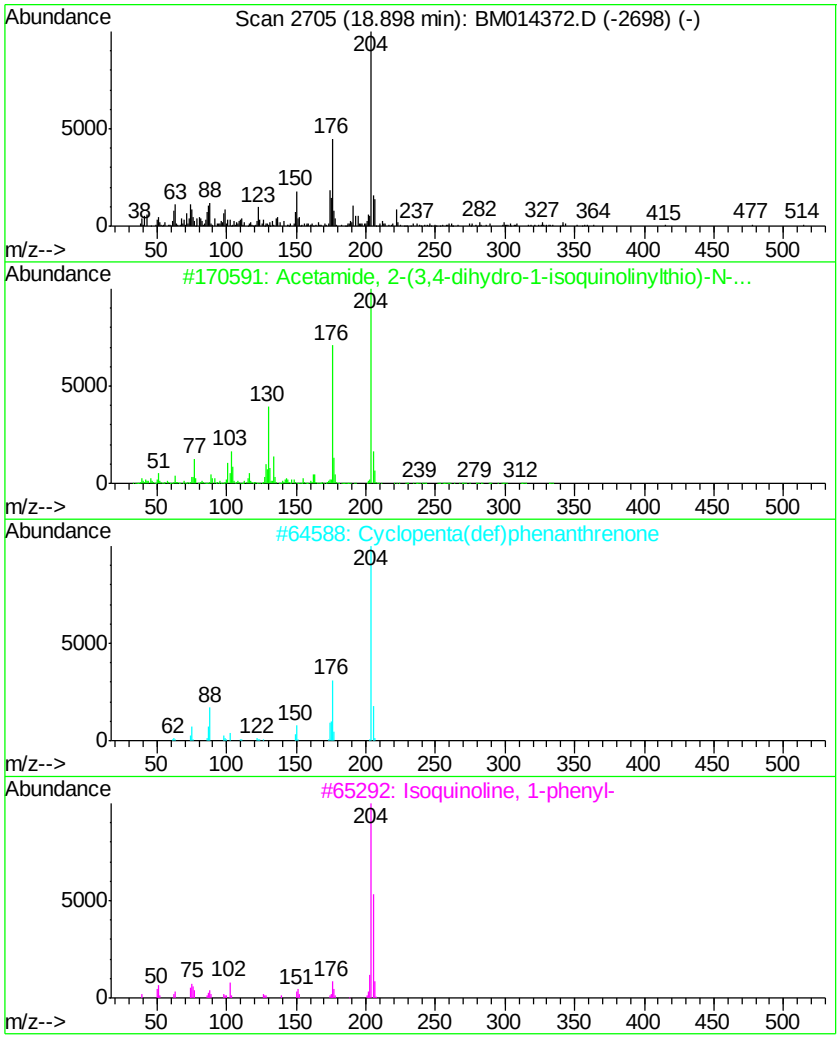
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

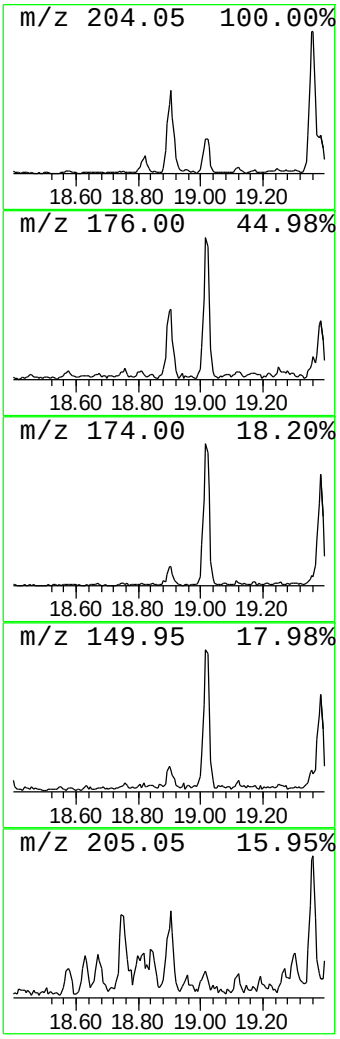
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Acetamide, 2-(3,4-dihydro-1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	6.82 ng/ul	710444	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	64
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
3	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	59
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
5	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	52





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Instrument : BNA_M
ClientSampleId : BE5Z8

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Quant Title : SVOA CALIBRATION

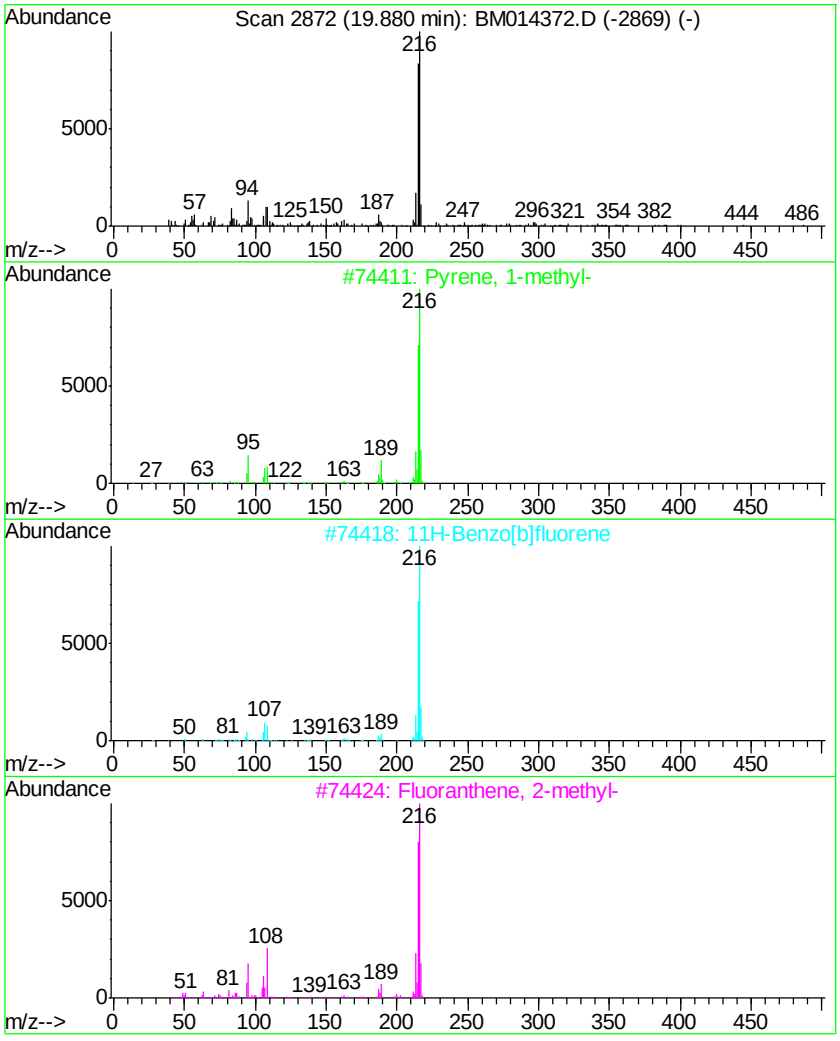
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

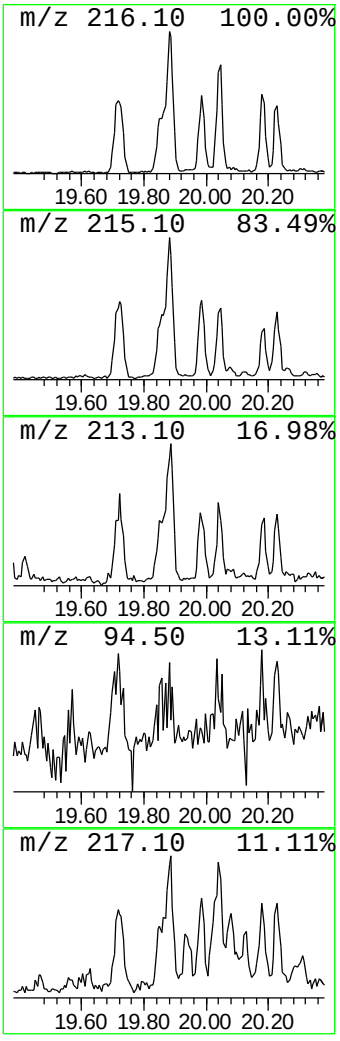
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	3.38 ng/ul	628470	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Quant Title : SVOA CALIBRATION

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

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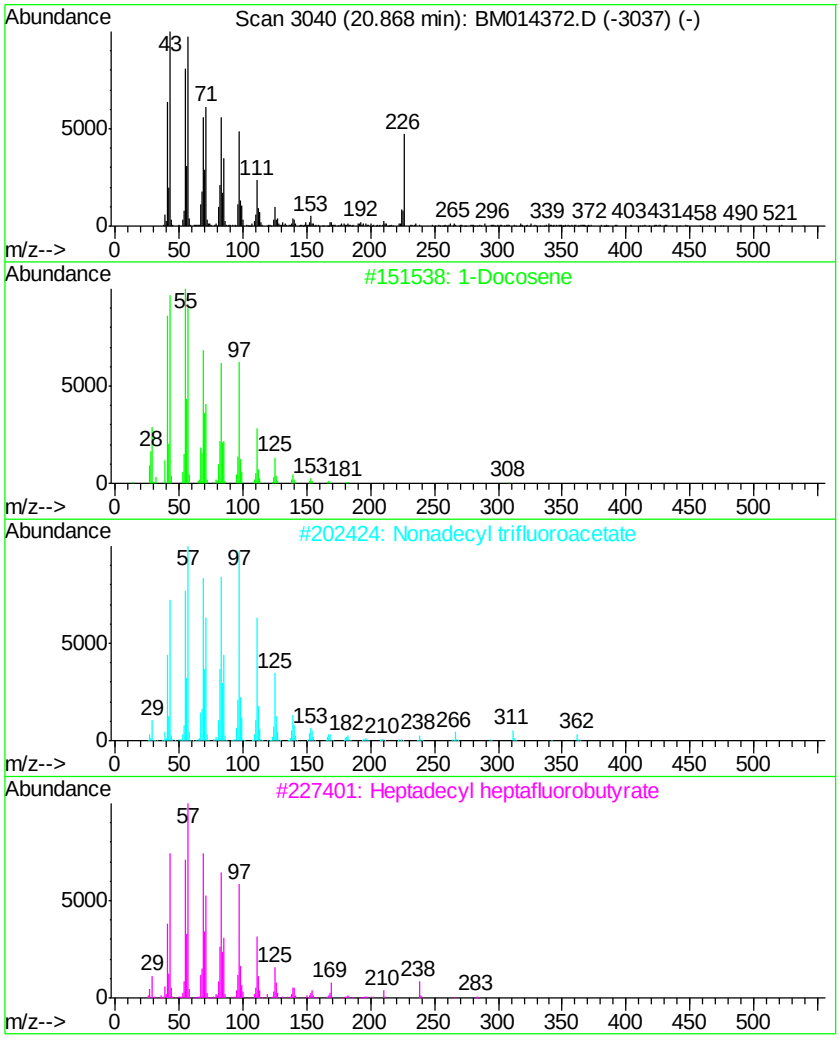
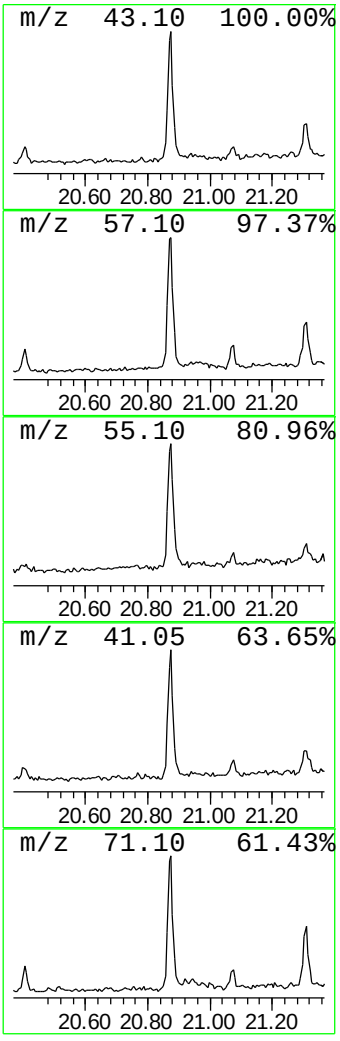
Peak Number 22 (DEL) Alkane: Cyclic20.87 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	9.80 ng/ul	1823470	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	96
2	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	76
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	76
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	76
5	17-Pentatriacontene	491	C35H70	006971-40-0	68





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Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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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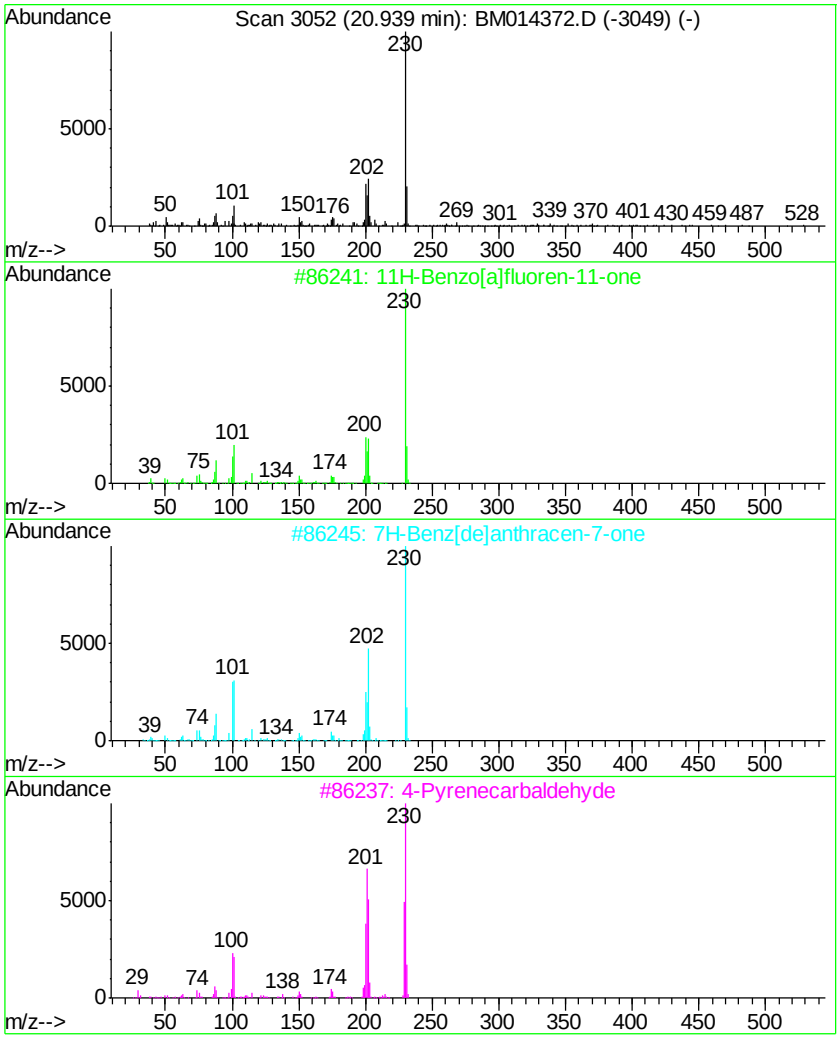
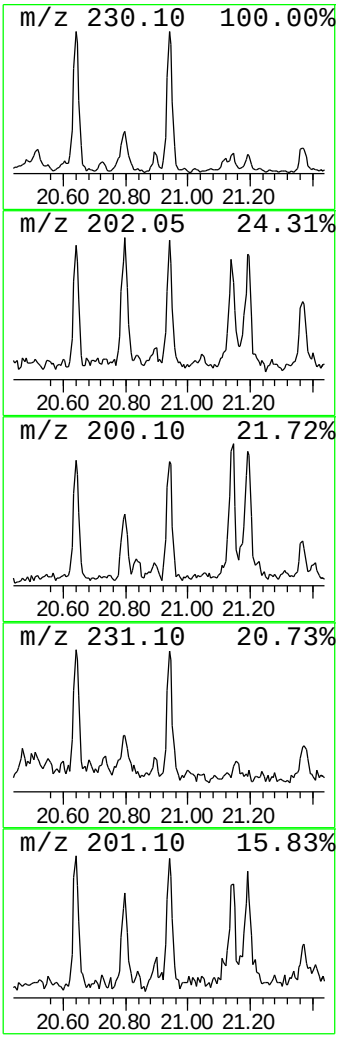
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.37 ng/ul	441510	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	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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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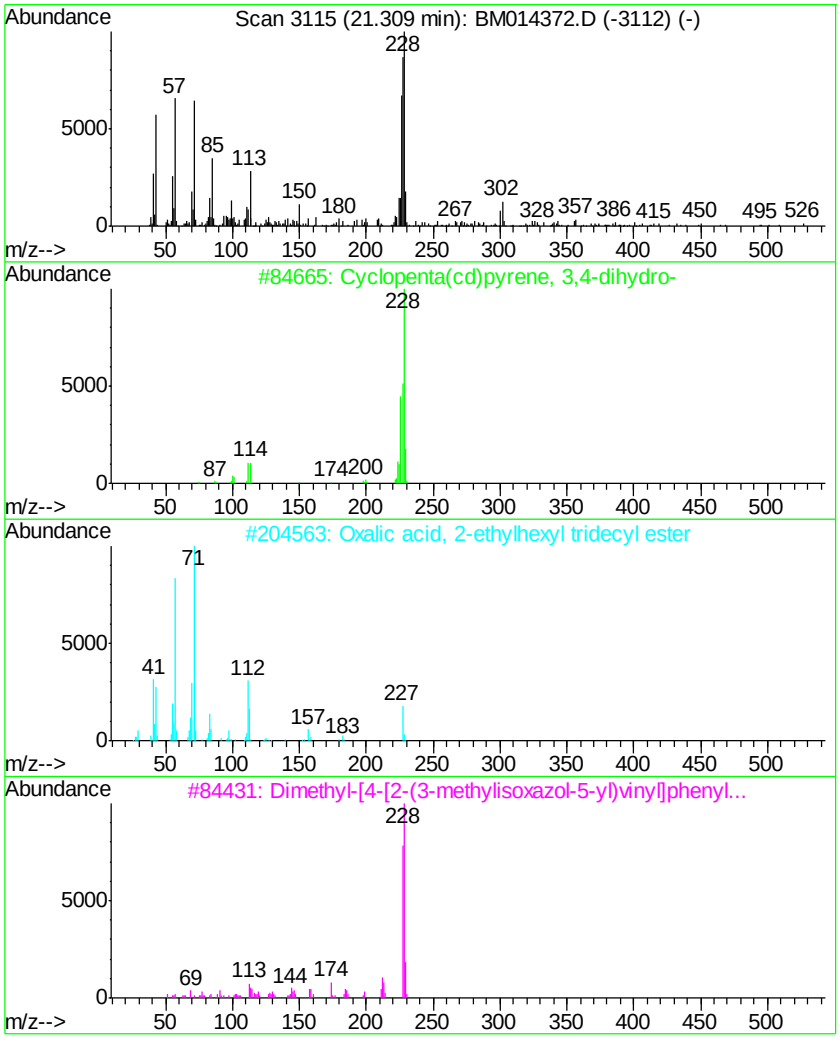
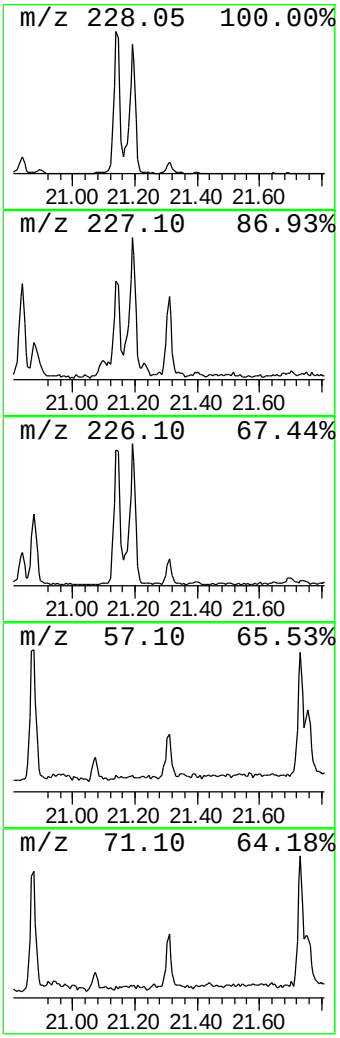
Peak Number 24 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.17 ng/ul	403269	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	41
2	Oxalic acid, 2-ethylhexyl tridec...	384	C23H44O4	1000309-39-6	35
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	30
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	30
5	Triphenylene	228	C18H12	000217-59-4	25





Library Search Compound Report

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Operator : SJ/JU
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Quant Title : SVOA CALIBRATION

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

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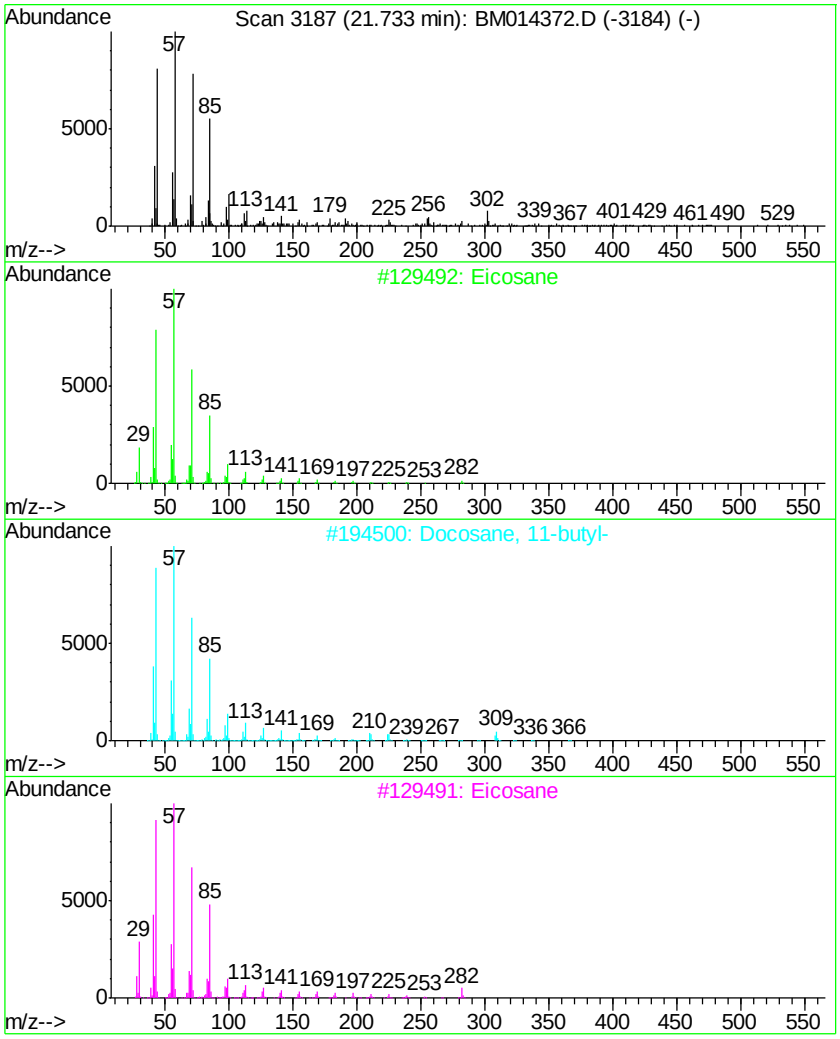
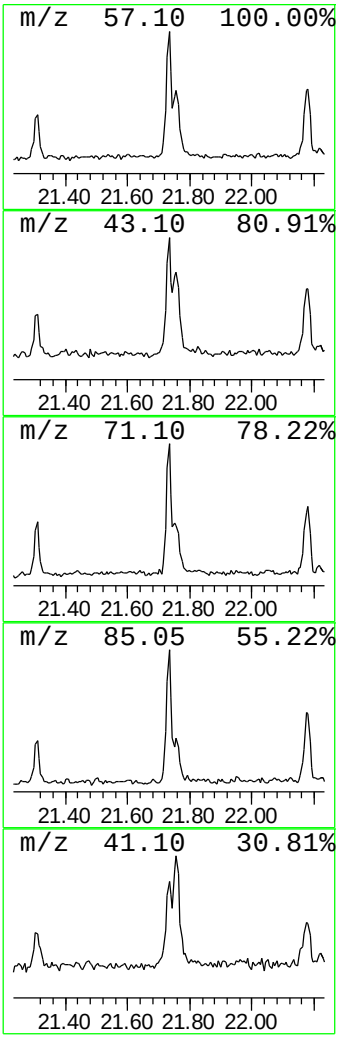
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	3.62 ng/ul	673343	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3	Eicosane	282	C20H42	000112-95-8	87
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	62





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Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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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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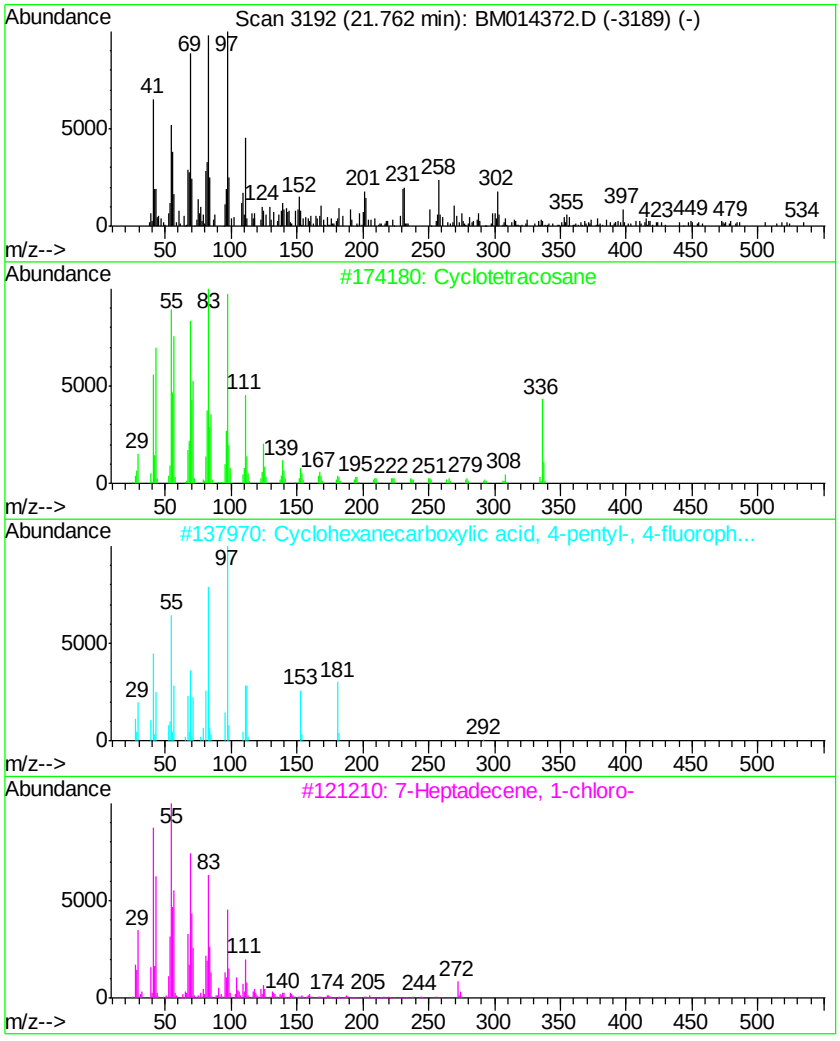
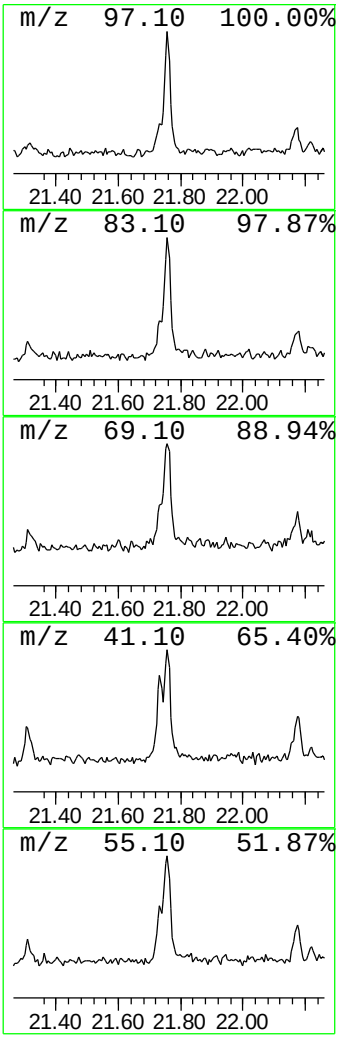
Peak Number 26 (DEL) Alkane: Cyclic21.76 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	4.96 ng/ul	922495	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	64
2	Cyclohexanecarboxylic acid, 4-pe...	292	C18H25FO2	079912-83-7	58
3	7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	55
4	7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	55
5	Hexadecanoic acid, 2-hydroxy-, m...	286	C17H34O3	016742-51-1	53





Library Search Compound Report

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Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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Quant Title : SVOA CALIBRATION

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

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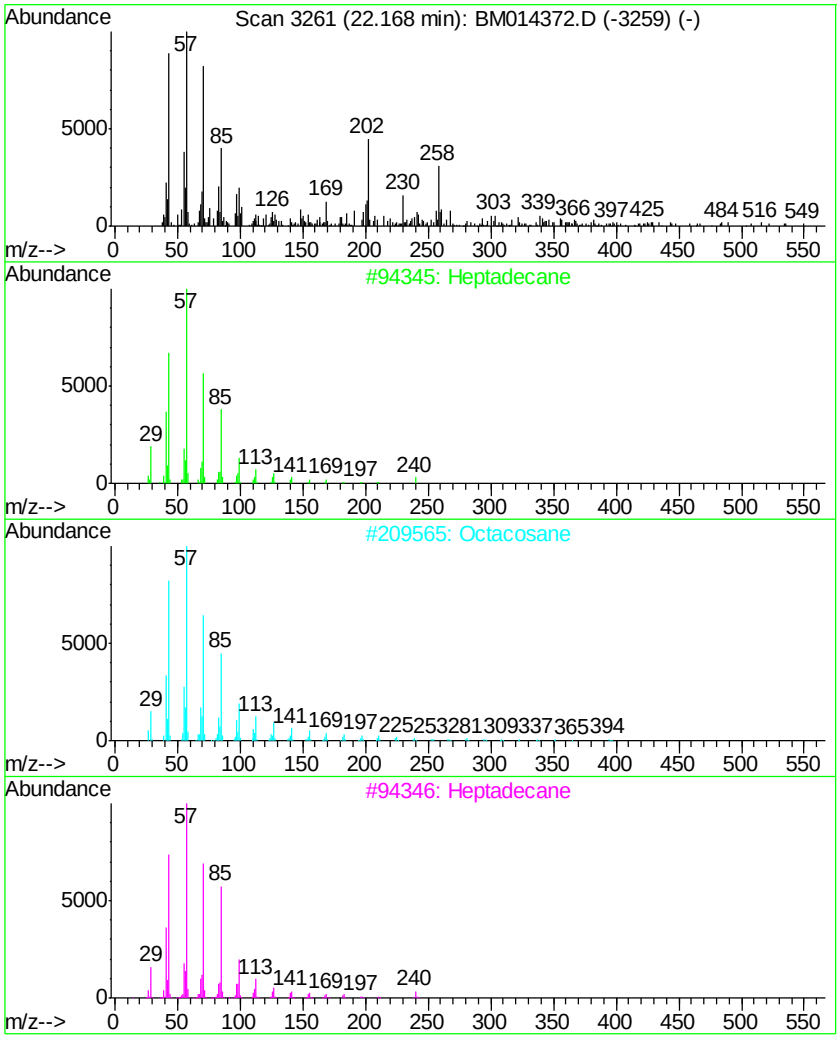
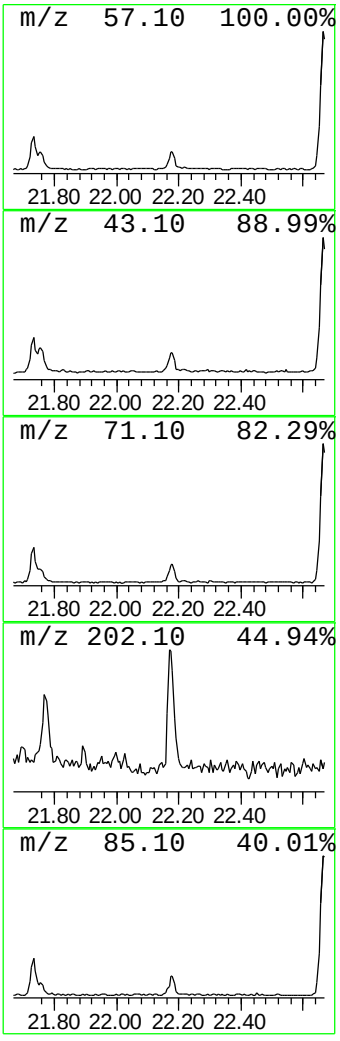
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	2.83 ng/ul	526103	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	83
2	Octacosane	394	C28H58	000630-02-4	83
3	Heptadecane	240	C17H36	000629-78-7	83
4	Tetracosane	338	C24H50	000646-31-1	78
5	Octadecane	254	C18H38	000593-45-3	78





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Sample : J1646-20
Misc :
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Instrument : BNA_M
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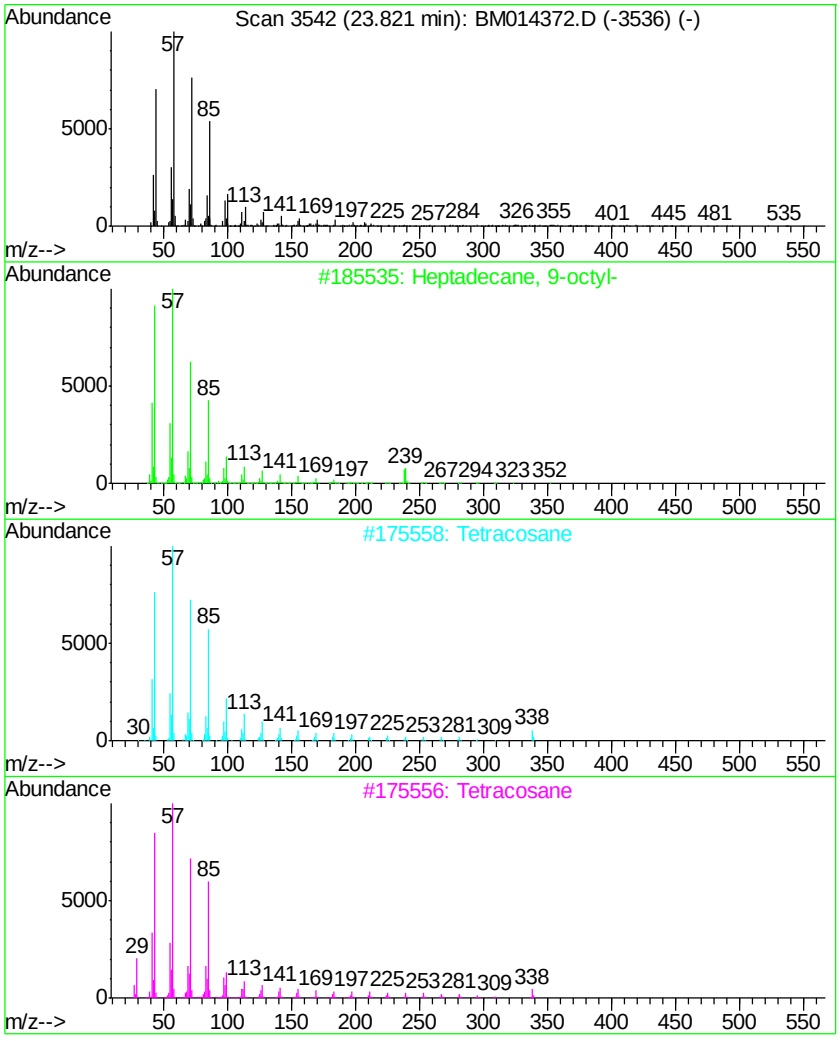
Quant Title : SVOA CALIBRATION

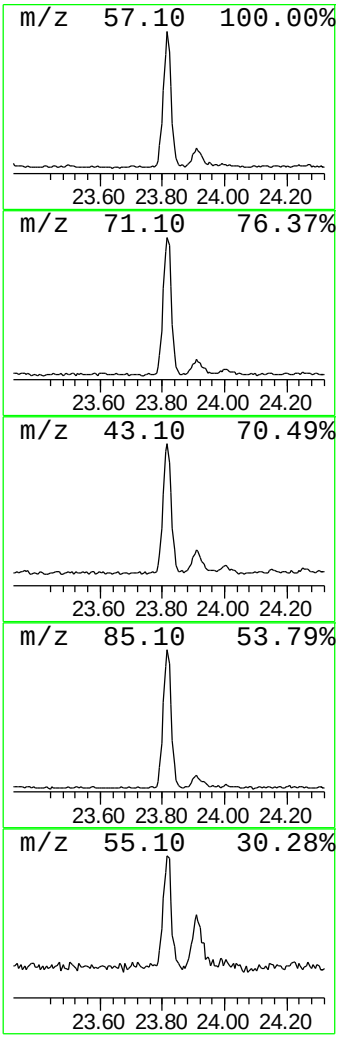
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.82	42.65 ng/ul	2475190	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
2	Tetracosane	338	C24H50	000646-31-1	93
3	Tetracosane	338	C24H50	000646-31-1	93
4	Heptacosane	380	C27H56	000593-49-7	92
5	Heptadecane	240	C17H36	000629-78-7	91





Tentatively Identified Compound (LSC) summary

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Sample : J1646-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	4.68	4.5	ng/ul	278178	1	7.53	1224620	20.0
Caryophyllene	13.49	3.5	ng/ul	453625	3	14.19	2600870	20.0
1-Hydroxy-1,7-dim...	15.07	2.9	ng/ul	377521	3	14.19	2600870	20.0
9H-Fluoren-9-ol	15.69	2.1	ng/ul	218287	4	16.95	2083690	20.0
(DEL) Alkane: Str...	15.92	3.0	ng/ul	307746	4	16.95	2083690	20.0
9H-Fluorene, 2-me...	16.25	2.3	ng/ul	241095	4	16.95	2083690	20.0
9H-Fluoren-9-one	16.61	2.8	ng/ul	292977	4	16.95	2083690	20.0
Anthracene, 1,2,3...	16.70	3.3	ng/ul	340947	4	16.95	2083690	20.0
Dibenzothiophene	16.76	3.1	ng/ul	322764	4	16.95	2083690	20.0
Phenanthrene, 1-m...	17.82	6.8	ng/ul	708402	4	16.95	2083690	20.0
n-Hexadecanoic acid	17.86	18.5	ng/ul	1930870	4	16.95	2083690	20.0
Phenanthrene, 2-m...	17.95	2.5	ng/ul	261329	4	16.95	2083690	20.0
4H-Cyclopenta[def...	18.02	9.4	ng/ul	980387	4	16.95	2083690	20.0
Anthracene, 9-met...	18.05	3.2	ng/ul	336626	4	16.95	2083690	20.0
5,16[1',2']:8,13[...	18.33	4.0	ng/ul	416353	4	16.95	2083690	20.0
9,10-Anthracenedione	18.38	5.4	ng/ul	561747	4	16.95	2083690	20.0
9,10-Dimethylanth...	18.75	4.2	ng/ul	437345	4	16.95	2083690	20.0
Acetamide, 2-(3,4...	18.90	6.8	ng/ul	710444	4	16.95	2083690	20.0
Pyrene, 1-methyl-	19.88	3.4	ng/ul	628470	5	21.16	3720690	20.0
(DEL) Alkane: Cyc...	20.87	9.8	ng/ul	1823470	5	21.16	3720690	20.0
11H-Benzo[a]fluor...	20.94	2.4	ng/ul	441510	5	21.16	3720690	20.0
unknown-02	21.31	2.2	ng/ul	403269	5	21.16	3720690	20.0
(DEL) Alkane: Str...	21.73	3.6	ng/ul	673343	5	21.16	3720690	20.0
(DEL) Alkane: Cyc...	21.76	5.0	ng/ul	922495	5	21.16	3720690	20.0
(DEL) Alkane: Str...	22.17	2.8	ng/ul	526103	5	21.16	3720690	20.0
(DEL) Alkane: Str...	23.82	42.6	ng/ul	2475190	6	23.33	1160700	20.0