LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014390.D
Acq On : 27 Feb 2018 19:38
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 14 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	24	rVB3	34947	53552	1.10%	0.062%
2	3.599	100	104	109	rVB2	40185	60041	1.24%	0.070%
3	3.905	153	156	161	rVB5	31566	48709	1.00%	0.057%
4	4.681	284	288	291	rBV	72746	118871	2.45%	0.138%
5	5.951	499	504	508	rBV4	32389	52701	1.09%	0.061%
6	6.728	630	636	650	rVB	714230	1317075	27.13%	1.533%
7	6.875	655	661	672	rBV	562837	853889	17.59%	0.994%
8	7.063	686	693	702	rBV	850305	1300641	26.79%	1.514%
9	7.522	765	771	781	rBV	483270	772668	15.92%	0.899%
10	8.251	887	895	905	rBV	799165	1366402	28.15%	1.590%
11	8.681	960	968	978	rBV	826568	1364486	28.11%	1.588%
12	9.398	1081	1090	1101	rBV	679307	1231540	25.37%	1.433%
13	9.939	1175	1182	1199	rBV	901678	1724497	35.52%	2.007%
14	10.292	1234	1242	1248	rBV	659476	1062182	21.88%	1.236%
15	10.339	1248	1250	1255	rVB	42405	57786	1.19%	0.067%
16	10.457	1261	1270	1288	rBV	426345	993438	20.46%	1.156%
17	13.480	1778	1784	1792	rBV4	154824	278435	5.74%	0.324%
18	13.604	1799	1805	1810	rBV	1937827	2791936	57.51%	3.249%
19	13.651	1810	1813	1819	rVB	505066	652090	13.43%	0.759%
20	13.874	1839	1851	1864	rBV	2006331	3234136	66.62%	3.764%
21	14.080	1879	1886	1891	rBV2	61184	98571	2.03%	0.115%
22	14.180	1891	1903	1910	rVV2	858014	1642456	33.83%	1.911%
23	14.245	1910	1914	1917	rVV	182118	260039	5.36%	0.303%
24	14.274	1917	1919	1925	rVB4	63675	82988	1.71%	0.097%
25	14.451	1935	1949	1963	rBV	430855	1112681	22.92%	1.295%
26	14.592	1968	1973	1978	rBV2	145958	225271	4.64%	0.262%
27	14.863	2014	2019	2027	rVB3	78899	120078	2.47%	0.140%
28	15.039	2043	2049	2052	rBV3	73848	133839	2.76%	0.156%
29	15.074	2052	2055	2064	rVB2	140380	207271	4.27%	0.241%
30	15.186	2067	2074	2079	rBV	2398399	3303817	68.06%	3.845%
31	15.239	2079	2083	2088	rVB	151494	235258	4.85%	0.274%
32	15.351	2096	2102	2108	rBV3	180717	327923	6.76%	0.382%
33	15.539	2129	2134	2142	rBV2	65613	141951	2.92%	0.165%
34	15.686	2156	2159	2167	rVB3	66489	123765	2.55%	0.144%

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Misc :
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Instrument : BNA_M
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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	15.910	2192	2197	2206	rBV4	90274	190128	3.92%	0.221%
36	16.251	2253	2255	2261	rVB6	43652	59340	1.22%	0.069%
37	16.363	2269	2274	2278	rBV7	34227	76356	1.57%	0.089%
38	16.480	2291	2294	2297	rBV5	48204	64248	1.32%	0.075%
39	16.521	2297	2301	2304	rVB4	54195	72132	1.49%	0.084%
40	16.610	2311	2316	2322	rVB2	134503	208699	4.30%	0.243%
41	16.698	2323	2331	2337	rBV9	91610	221468	4.56%	0.258%
42	16.762	2337	2342	2349	rVB	138349	224929	4.63%	0.262%
43	16.857	2354	2358	2363	rVB7	39015	62274	1.28%	0.072%
44	16.945	2364	2373	2376	rBV	1056201	1540865	31.74%	1.793%
45	16.986	2376	2380	2385	rVV	2628924	3486136	71.82%	4.057%
46	17.045	2385	2390	2394	rVV2	2456115	3658706	75.37%	4.258%
47	17.074	2394	2395	2401	rVV	464641	511798	10.54%	0.596%
48	17.145	2402	2407	2417	rVB5	74037	163014	3.36%	0.190%
49	17.362	2435	2444	2451	rBV3	239368	499283	10.29%	0.581%
50	17.468	2455	2462	2464	rBV4	61852	105424	2.17%	0.123%
51	17.533	2469	2473	2481	rVB10	50474	96445	1.99%	0.112%
52	17.739	2504	2508	2513	rVB5	73018	116774	2.41%	0.136%
53	17.821	2517	2522	2524	rVV	288369	419409	8.64%	0.488%
54	17.857	2524	2528	2537	rVV2	633825	1300790	26.80%	1.514%
55	17.951	2540	2544	2549	rVB	128161	187442	3.86%	0.218%
56	18.015	2549	2555	2559	rBV2	399272	732814	15.10%	0.853%
57	18.051	2559	2561	2567	rVB2	201165	233469	4.81%	0.272%
58	18.133	2571	2575	2580	rBV8	89373	173773	3.58%	0.202%
59	18.186	2580	2584	2587	rVB6	49613	74930	1.54%	0.087%
60	18.327	2603	2608	2613	rVB	208978	316270	6.52%	0.368%
61	18.380	2613	2617	2622	rVB	325355	463929	9.56%	0.540%
62	18.627	2656	2659	2662	rVV2	52382	60882	1.25%	0.071%
63	18.662	2663	2665	2669	rVB3	65596	86124	1.77%	0.100%
64	18.745	2676	2679	2683	rBV2	127177	176509	3.64%	0.205%
65	18.874	2698	2701	2702	rBV2	148736	133659	2.75%	0.156%
66	19.015	2720	2725	2730	rBV	3843922	4854328	100.00%	5.649%
67	19.068	2731	2734	2739	rVB5	117293	168203	3.47%	0.196%
68	19.145	2744	2747	2750	rBV3	75135	96207	1.98%	0.112%
69	19.239	2759	2763	2764	rBV3	88673	113227	2.33%	0.132%
70	19.356	2777	2783	2785	rBV2	3225916	4555770	93.85%	5.302%
71	19.386	2785	2788	2796	rVV	3061948	3947258	81.31%	4.594%

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Integrator: RTE
Smoothing : OFF Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	19.456	2796	2800	2805	rVB2	149208	226916	4.67%	0.264%
73	19.568	2815	2819	2823	rVB	168197	215392	4.44%	0.251%
74	19.633	2827	2830	2834	rVB	162658	219699	4.53%	0.256%
75	19.715	2838	2844	2851	rBV3	184782	471989	9.72%	0.549%
76	19.880	2863	2872	2880	rBV	358027	859904	17.71%	1.001%
77	19.986	2886	2890	2893	rBV2	202071	247979	5.11%	0.289%
78	20.039	2897	2899	2903	rVB	238315	309474	6.38%	0.360%
79	20.180	2921	2923	2927	rVB	141894	169740	3.50%	0.198%
80	20.233	2928	2932	2936	rVB2	227306	339565	7.00%	0.395%
81	20.639	2998	3001	3008	rVB	330164	412686	8.50%	0.480%
82	20.803	3025	3029	3032	rBV2	246811	344352	7.09%	0.401%
83	20.839	3032	3035	3037	rVV	280285	325701	6.71%	0.379%
84	20.868	3037	3040	3048	rVV3	1101374	1639880	33.78%	1.908%
85	20.939	3050	3052	3062	rVB	374466	527030	10.86%	0.613%
86	21.145	3083	3087	3092	rBV2	1771613	3530907	72.74%	4.109%
87	21.192	3092	3095	3099	rVB	1406147	1726937	35.58%	2.010%
88	21.309	3112	3115	3119	rBV	376433	409857	8.44%	0.477%
89	21.733	3184	3187	3188	rBV2	456243	493387	10.16%	0.574%
90	21.750	3188	3190	3197	rVB3	691801	859417	17.70%	1.000%
91	22.174	3260	3262	3266	rVB2	397014	490930	10.11%	0.571%
92	22.662	3340	3345	3349	rBV	2258742	3896854	80.28%	4.535%
93	23.150	3424	3428	3432	rBV	467519	812233	16.73%	0.945%
94	23.203	3432	3437	3441	rVV2	1993941	3407590	70.20%	3.966%
95	23.244	3441	3444	3453	rVB	1048999	1680296	34.61%	1.955%
96	23.339	3455	3460	3464	rBV	682217	1123561	23.15%	1.308%
97	23.815	3536	3541	3549	rVB	1440044	2551506	52.56%	2.969%
98	25.503	3823	3828	3836	rVB3	750648	1831911	37.74%	2.132%

Sum of corrected areas: 85929688

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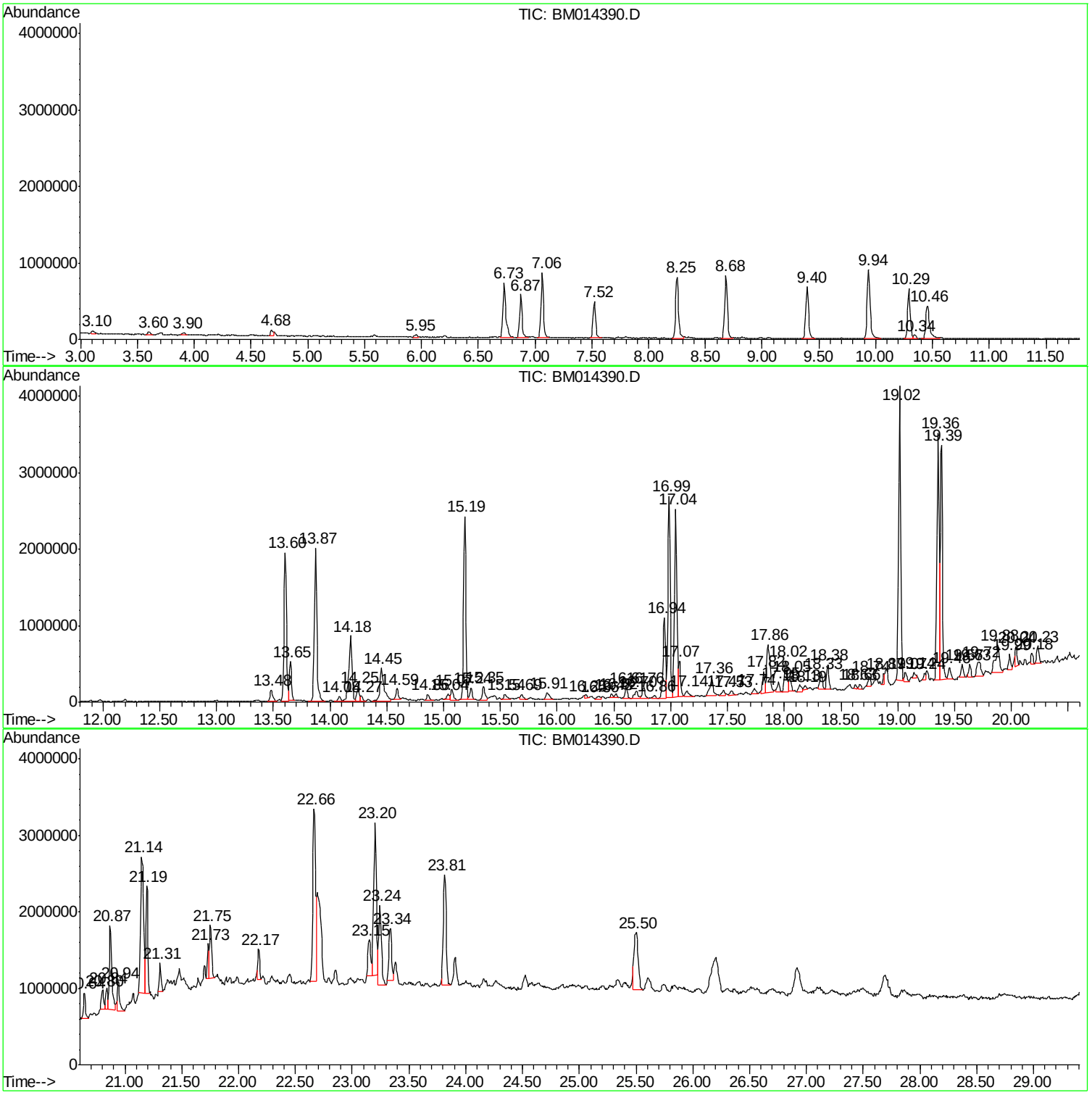
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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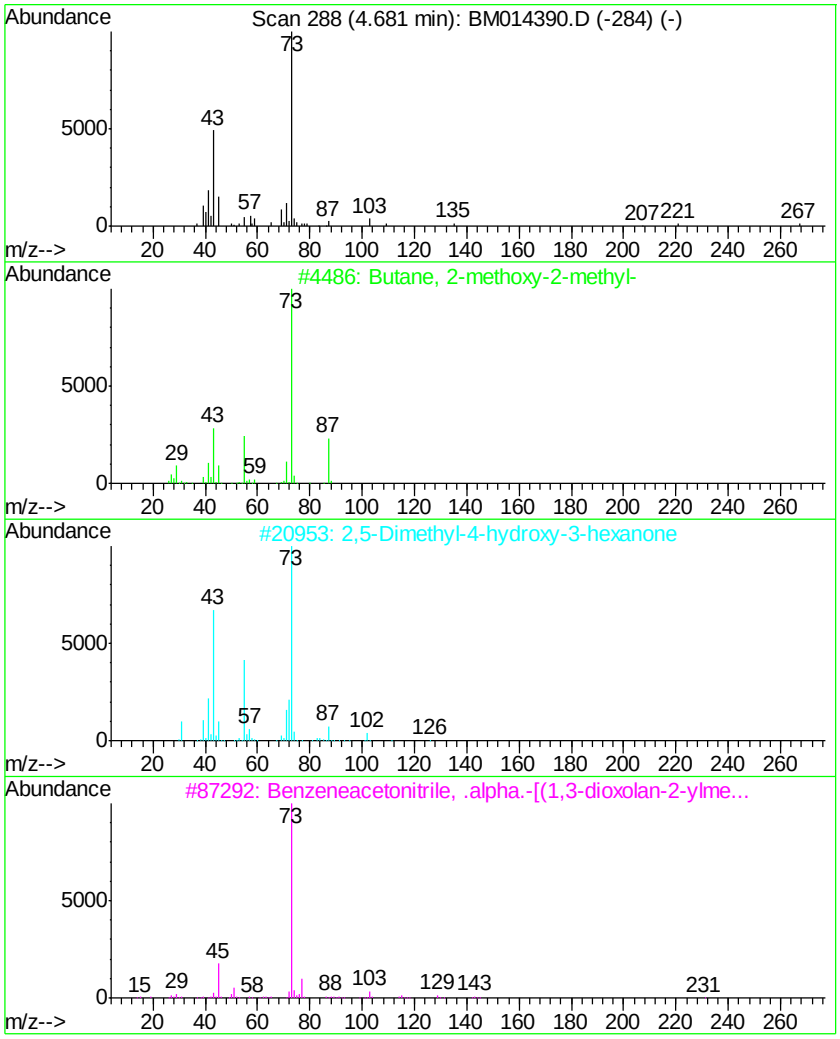
TIC Integration Parameters: LSCINT.P

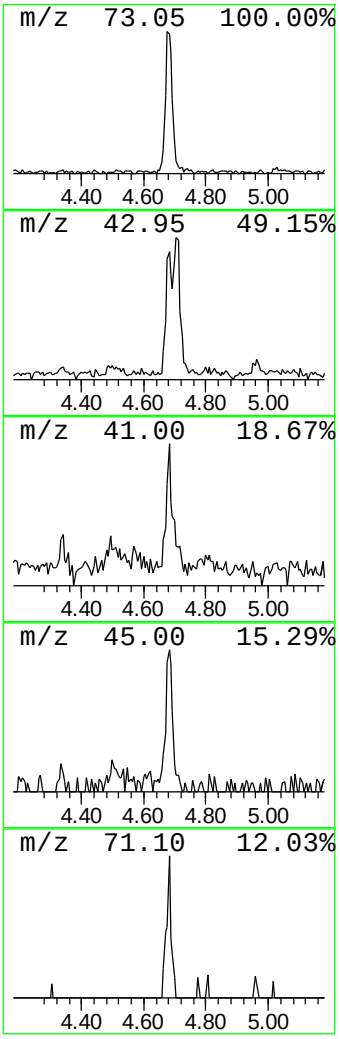
****

Peak Number 1 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	3.08 ng/ul	118871	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	42
2	2,5-Dimethyl-4-hydroxy-3-hexanone	144	C8H16O2	000815-77-0	28
3	Benzeneacetonitrile, .alpha.-[(1...	232	C12H12N2O3	074782-23-3	25
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	25
5	Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	1000223-34-1	16





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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
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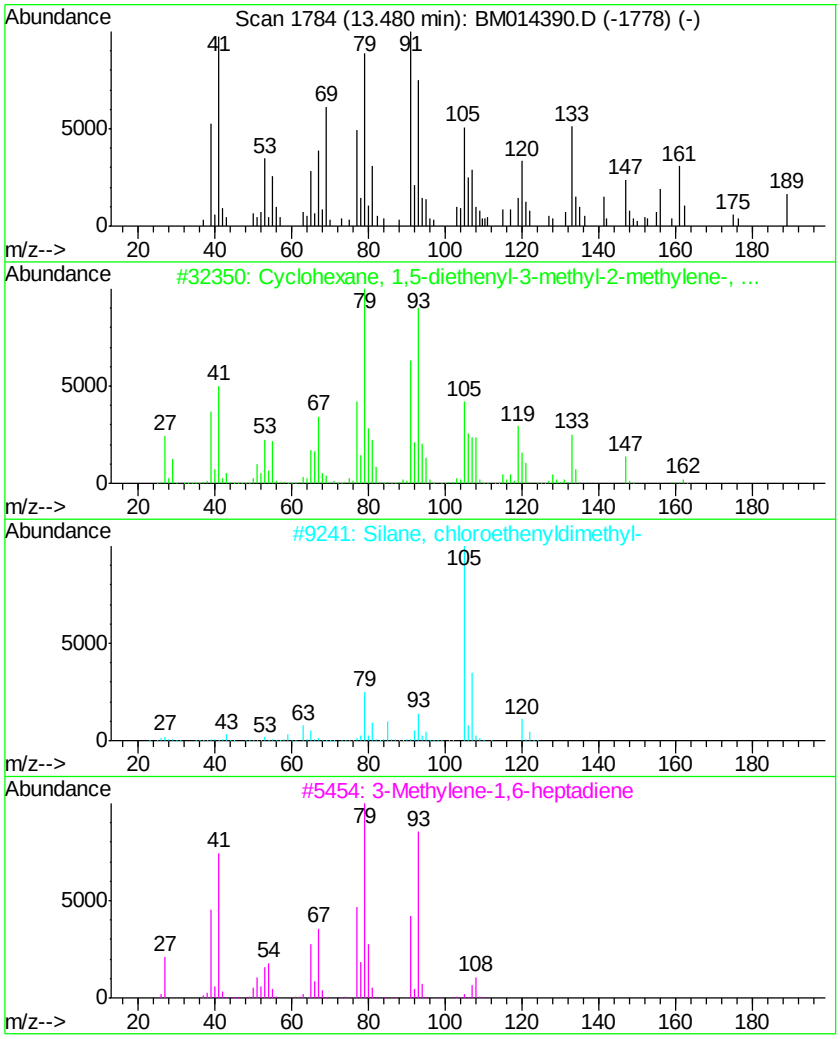
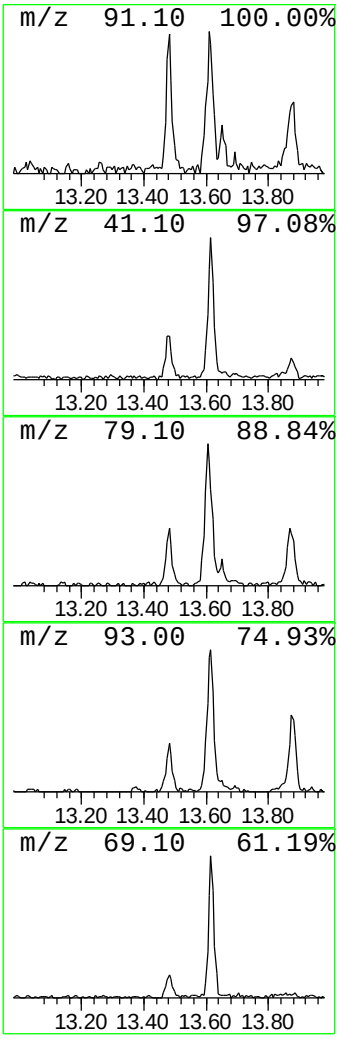
****

Peak Number 2 Cyclohexane, 1,5-diethenyl-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	3.39 ng/ul	278435	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,5-diethenyl-3-met...	162	C12H18	074742-35-1	74
2	Silane, chloroethenyldimethyl-	120	C4H9ClSi	001719-58-0	46
3	3-Methylene-1,6-heptadiene	108	C8H12	016626-48-5	45
4	Silane, chloroethenyldimethyl-	120	C4H9ClSi	001719-58-0	43
5	1,4-Methanophthalazine, 1,4,4a,7...	176	C11H16N2	1000221-84-9	41





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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
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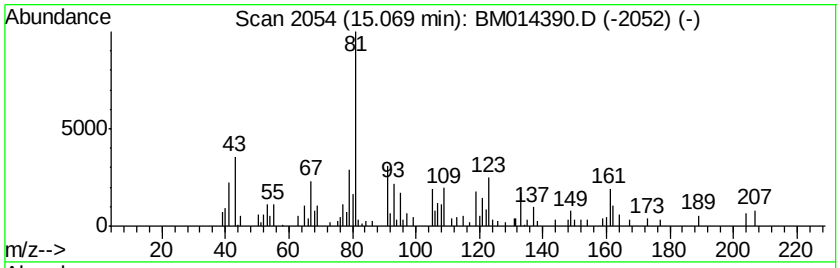
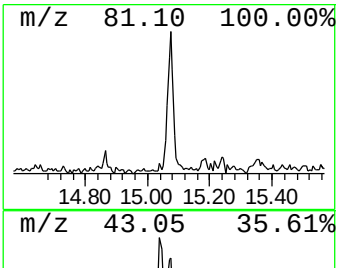
Peak Number 3 3-Oxatricyclo[3.2.1.0(2,4)]... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.52 ng/ul	207271	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxatricyclo[3.2.1.0(2,4)]octan...	110	C7H10O	003146-39-2	58
2	Bornyl bromide	216	C10H17Br	004443-48-5	50
3	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	50
4	di-t-Butylacetylene	138	C10H18	017530-24-4	50
5	Fenchol, exo-	154	C10H18O	022627-95-8	47





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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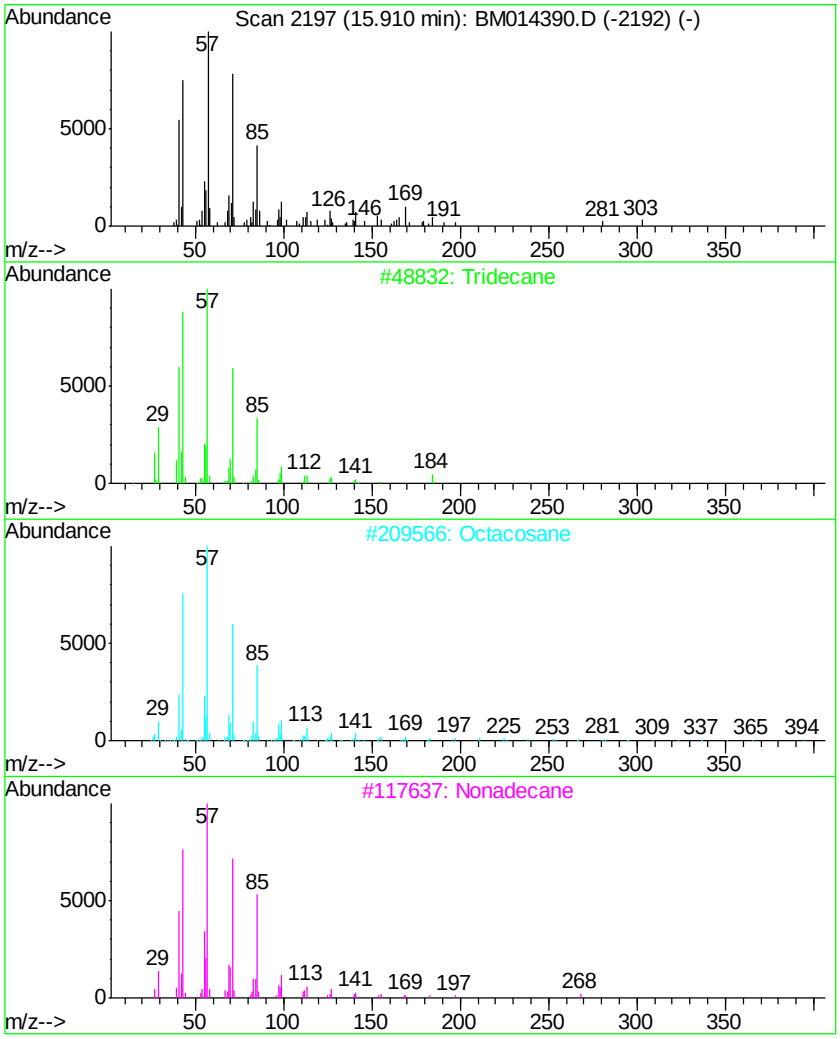
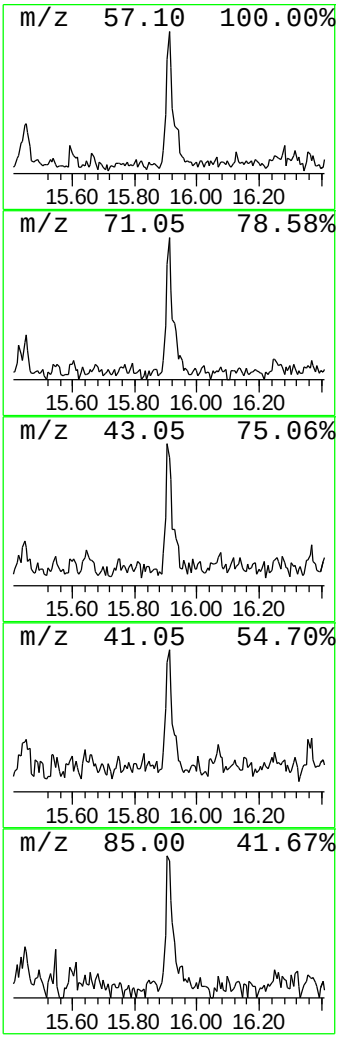
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.47 ng/ul	190128	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Octacosane	394	C28H58	000630-02-4	83
3	Nonadecane	268	C19H40	000629-92-5	81
4	Heptacosane	380	C27H56	000593-49-7	80
5	Heptacosane	380	C27H56	000593-49-7	80





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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

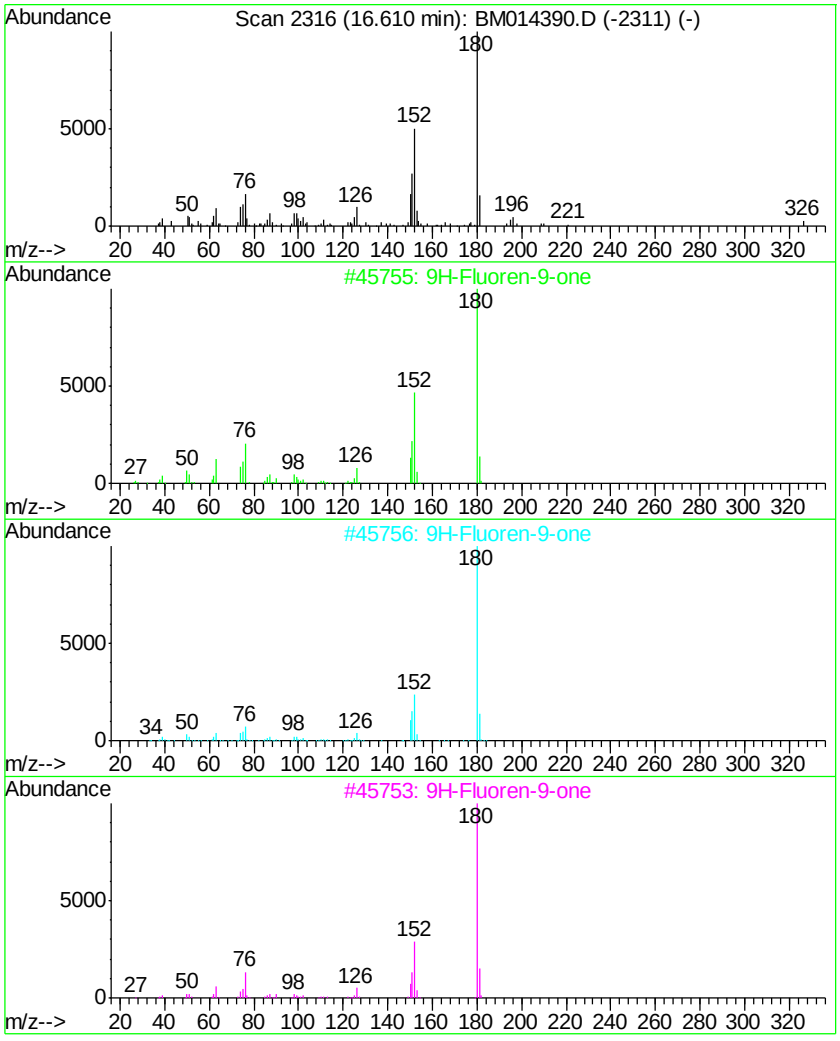
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

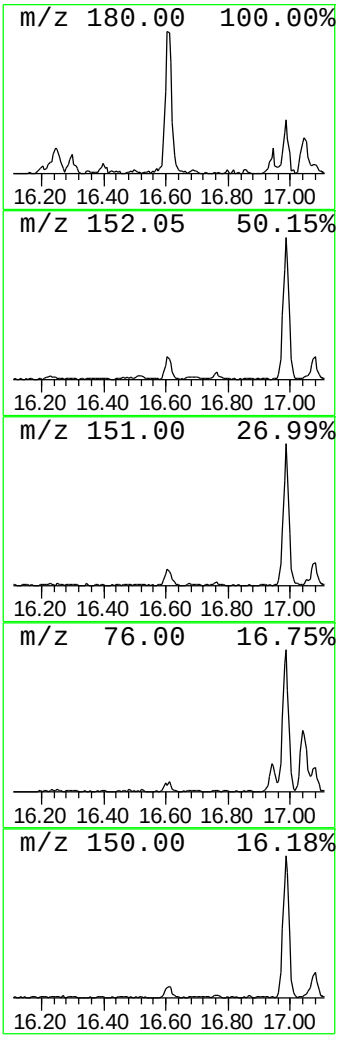
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.71 ng/ul	208699	Phenanthrene-d10	16.94

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	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Diphenic anhydride	224	C14H8O3	006050-13-1	91





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Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 14 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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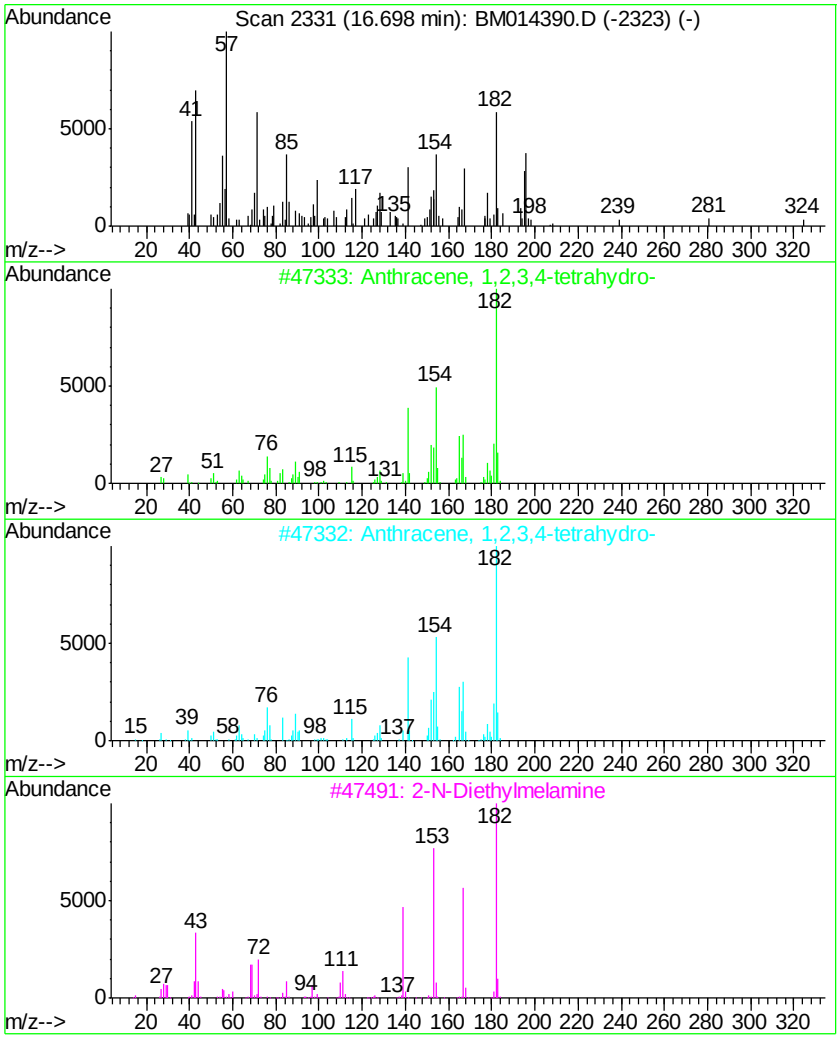
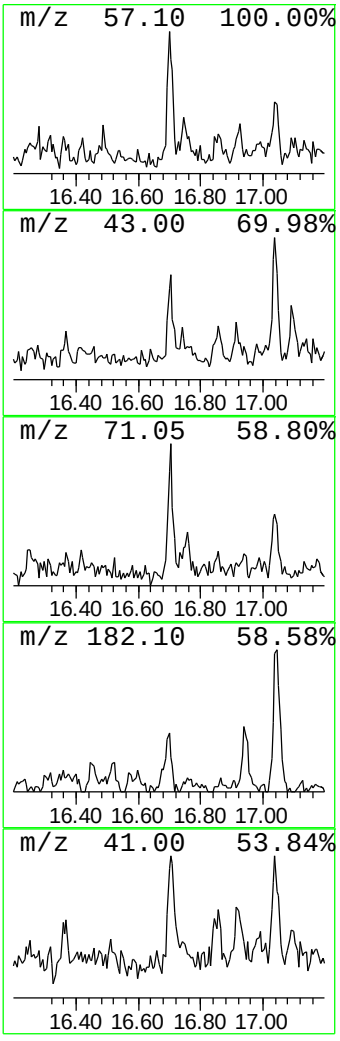
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.87 ng/ul	221468	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	53
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	53
3	2-N-Diethylmelamine	182	C7H14N6	002073-31-6	27
4	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	27
5	5-Chloro-4,6-dimethyl-2-oxo-1,2-...	182	C8H7ClN2O	1000300-46-7	22





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Operator : SJ/JU
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Misc :
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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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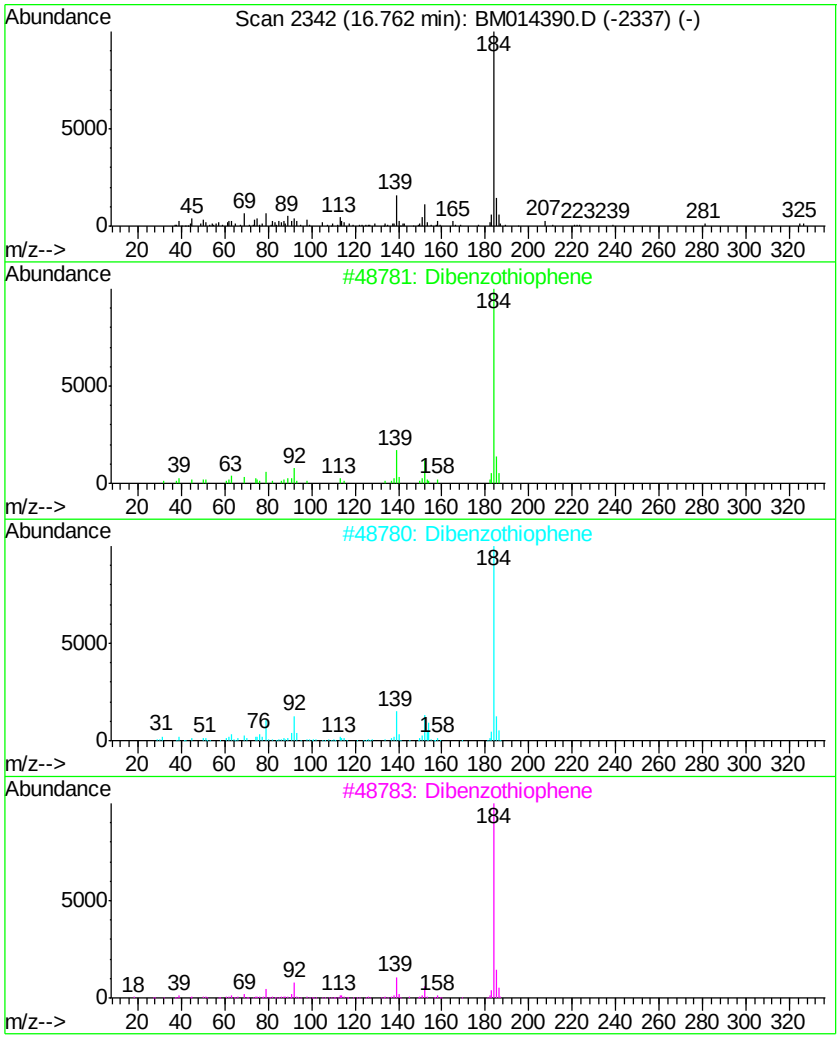
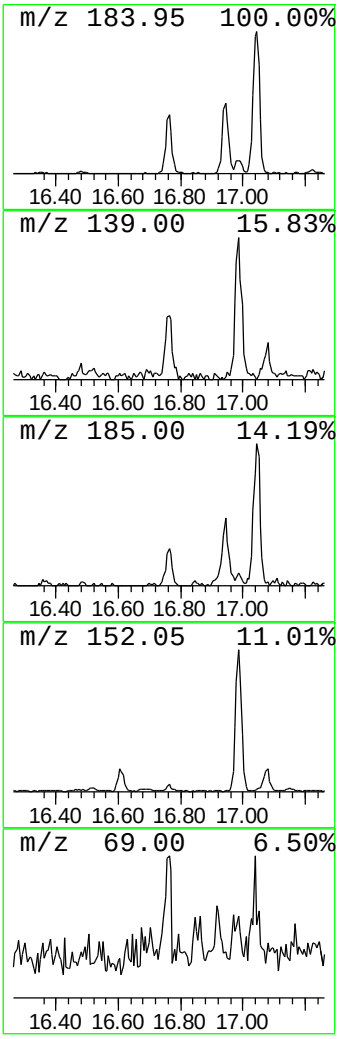
Peak Number 7 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.92 ng/ul	224929	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Misc :
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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

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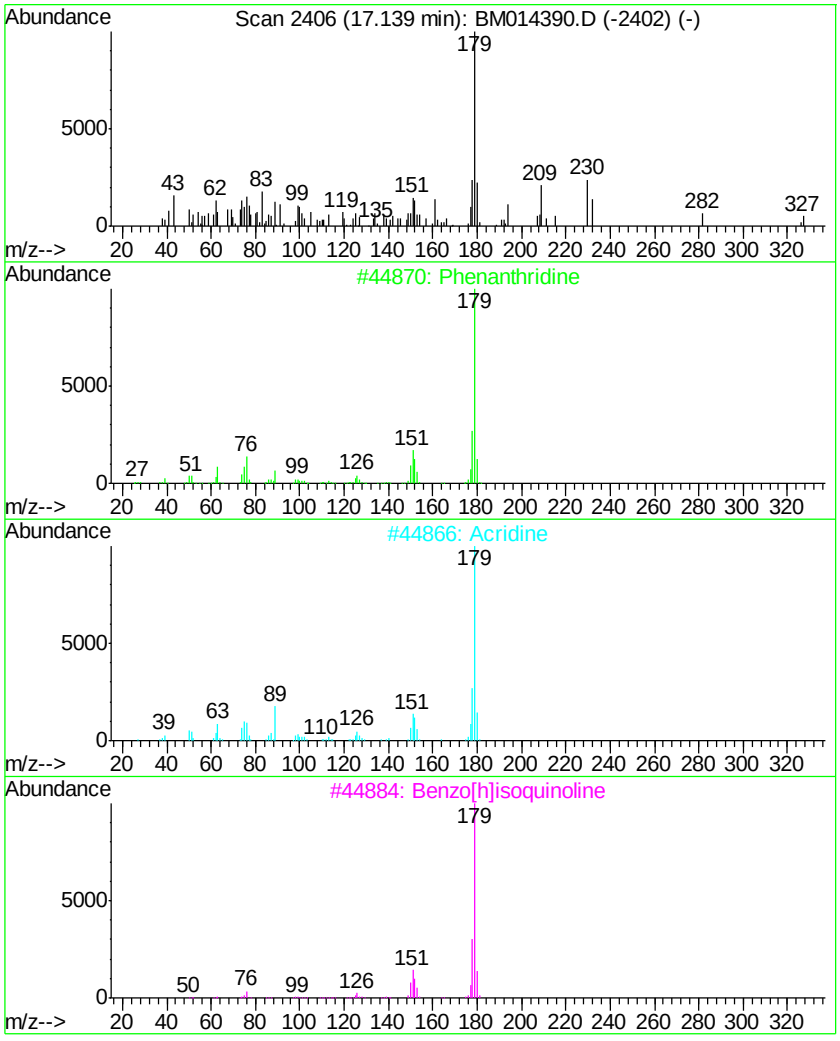
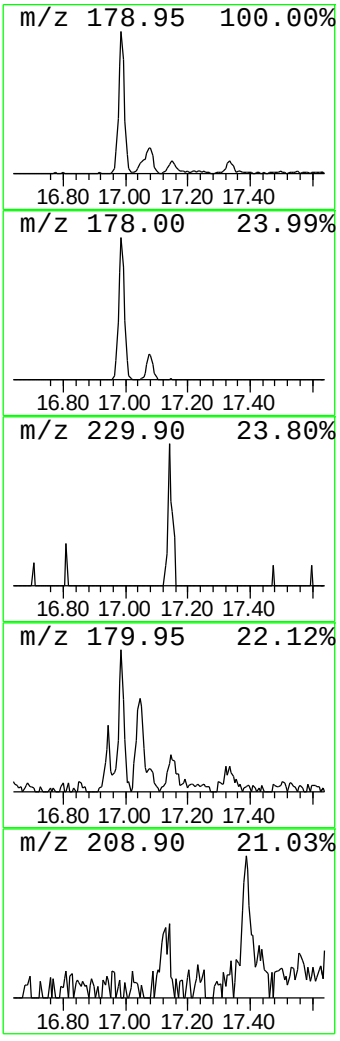
Peak Number 8 Phenanthridine Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.12 ng/ul	163014	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	64
2	Acridine	179	C13H9N	000260-94-6	64
3	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	64
4	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	64
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	60





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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

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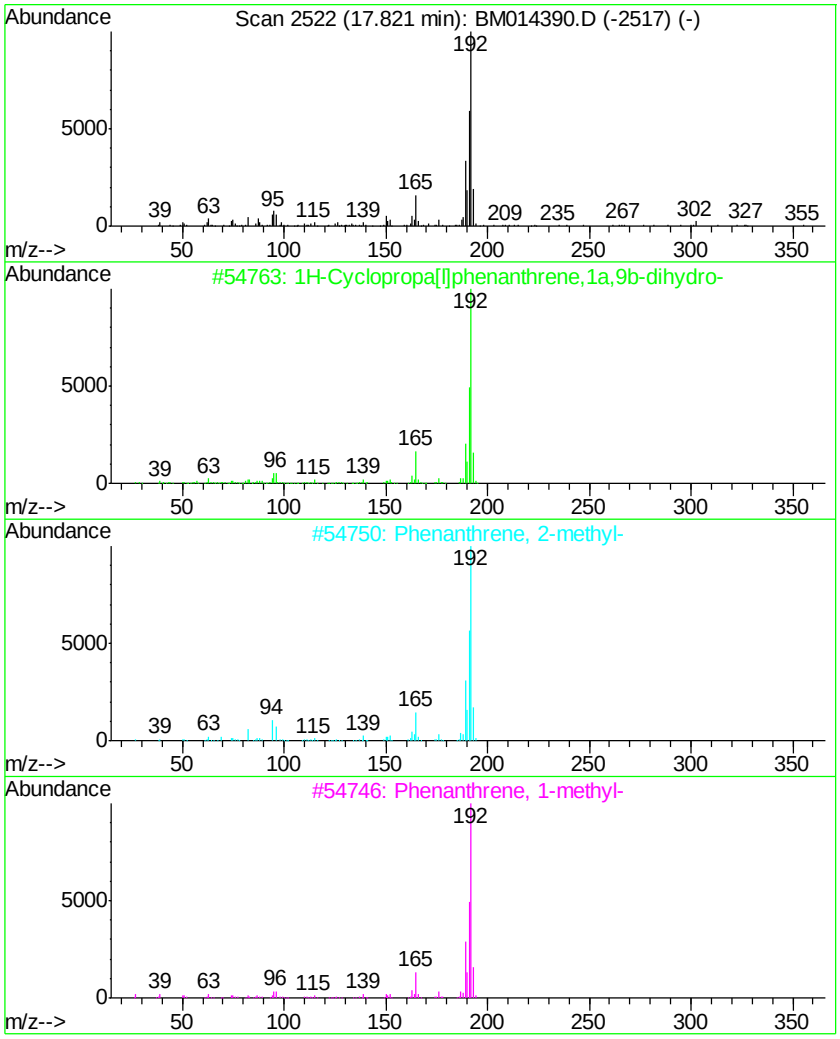
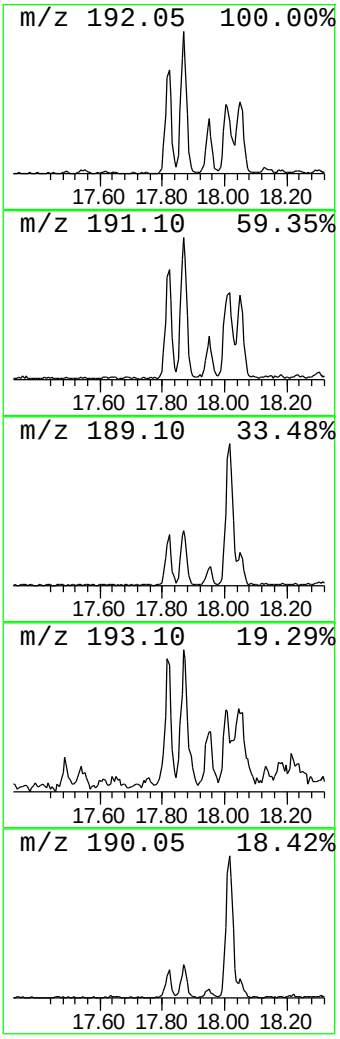
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	5.44 ng/ul	419409	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Library Search Compound Report

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Sample : J1646-20
Misc :
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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

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Peak Number 10 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	16.88 ng/ul	1300790	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
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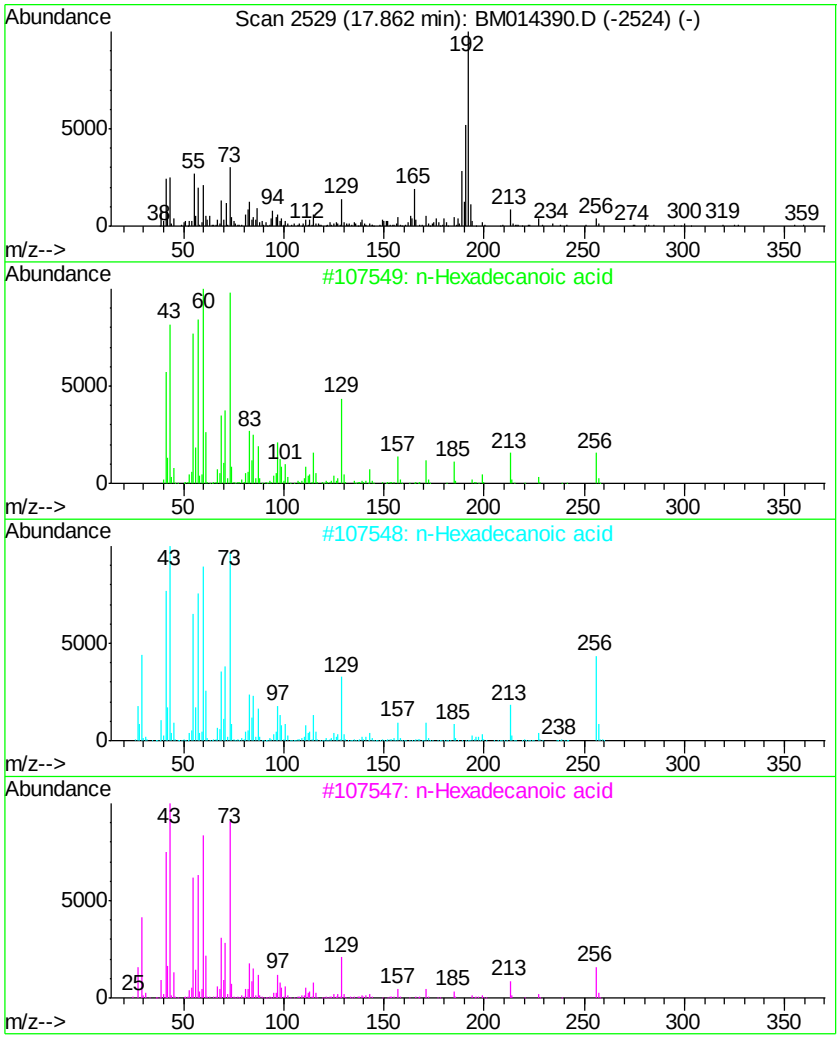

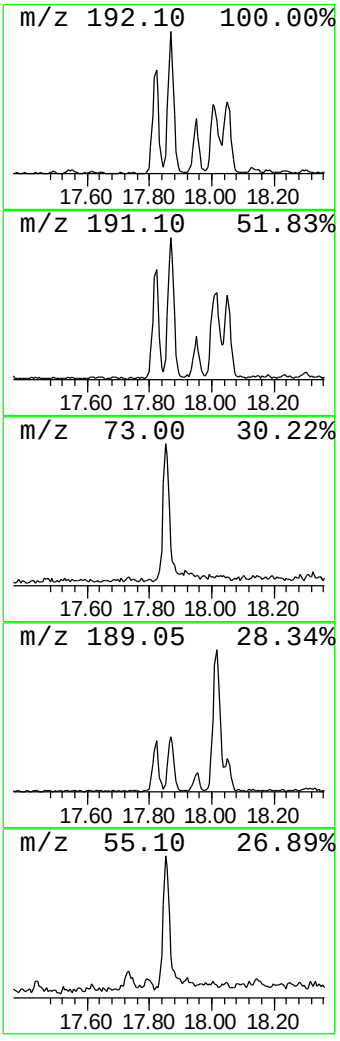

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ALS Vial : 14 Sample Multiplier: 1

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 11 Phenanthrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.43 ng/ul	187442	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
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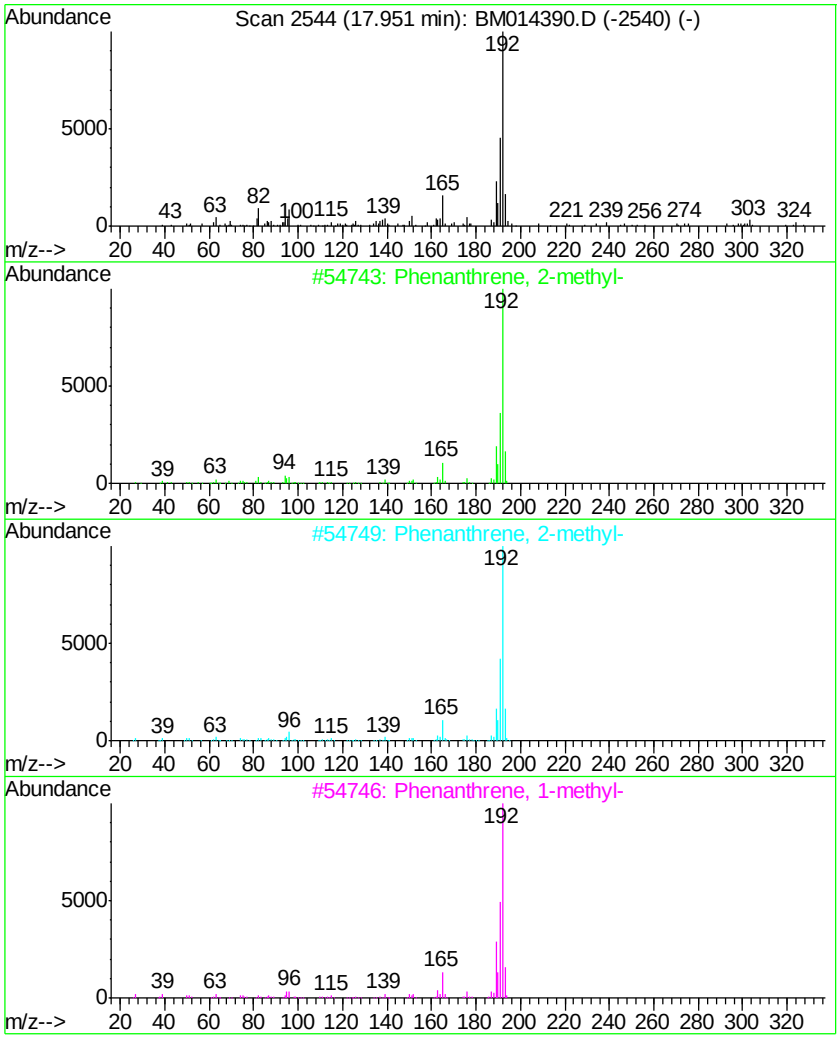

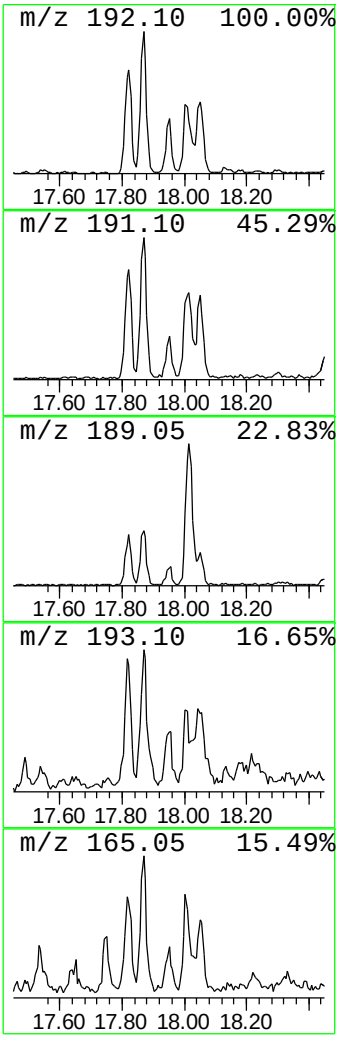

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Sample : J1646-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

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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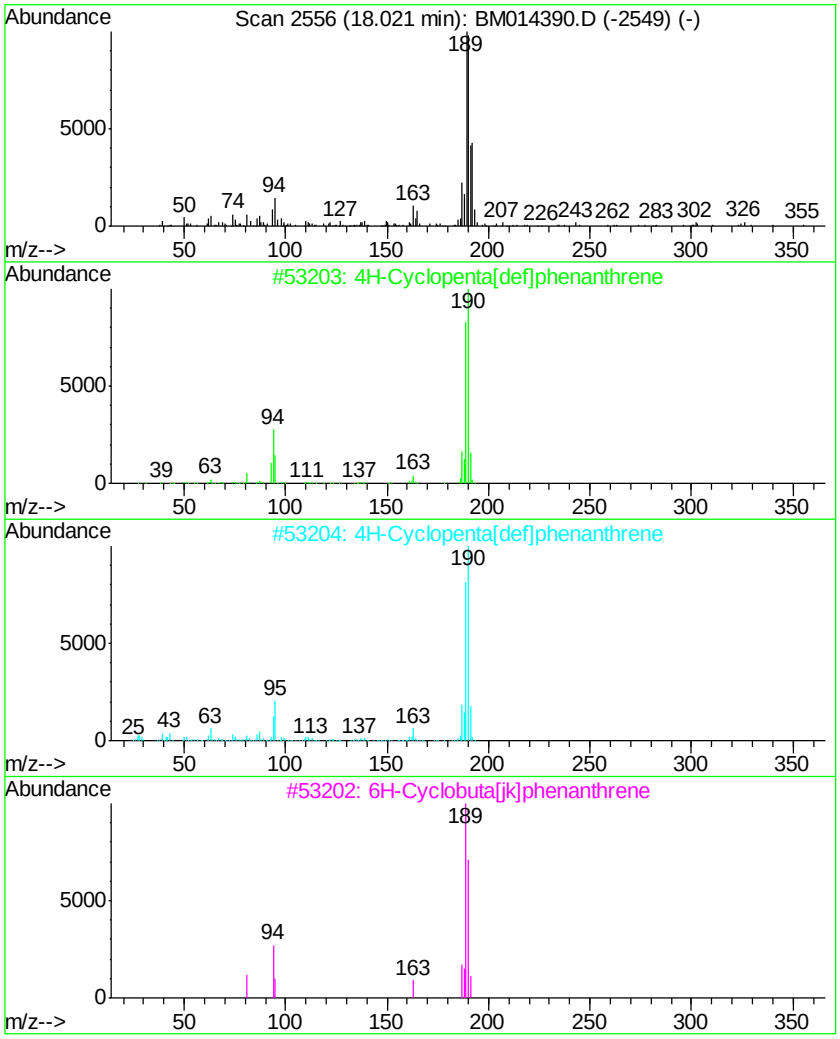
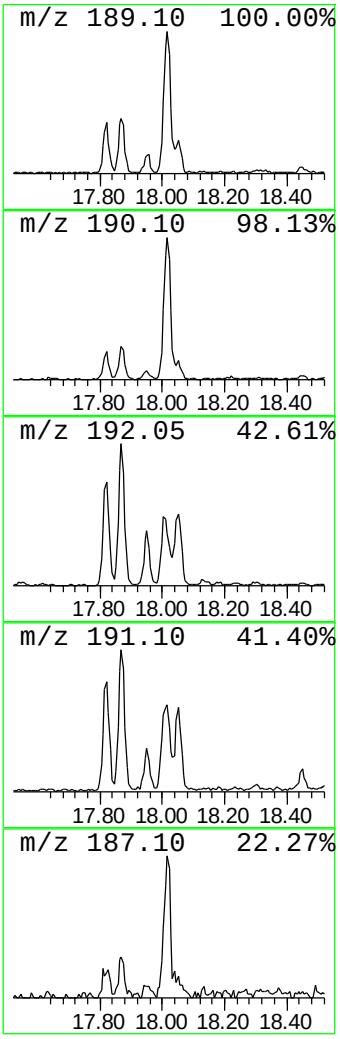
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	9.51 ng/ul	732814	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	6-Bromo-9-phenanthrene diazometh...	324	C16H9BrN2O	1000254-49-2	14





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Sample : J1646-20
Misc :
ALS Vial : 14 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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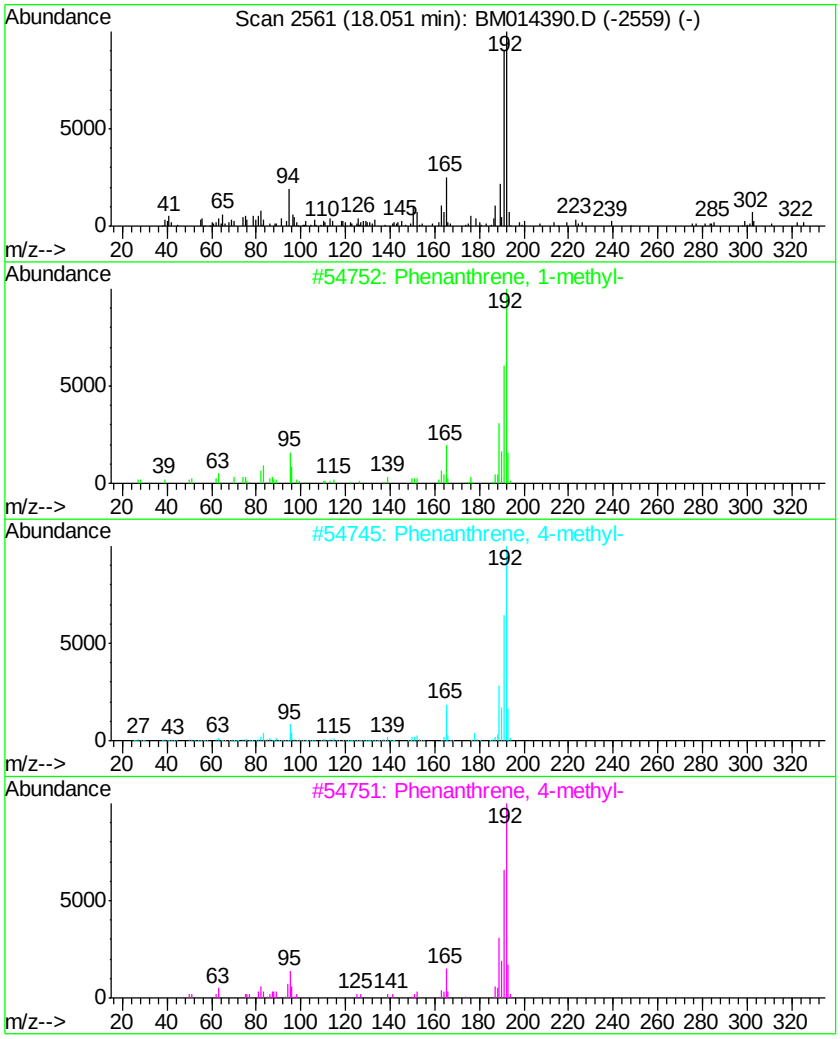
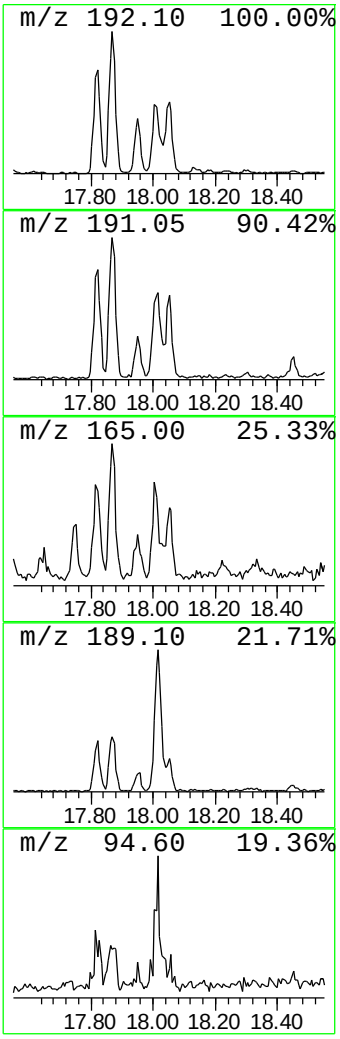
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.03 ng/ul	233469	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	58
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	53
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	49





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Quant Title : SVOA CALIBRATION

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

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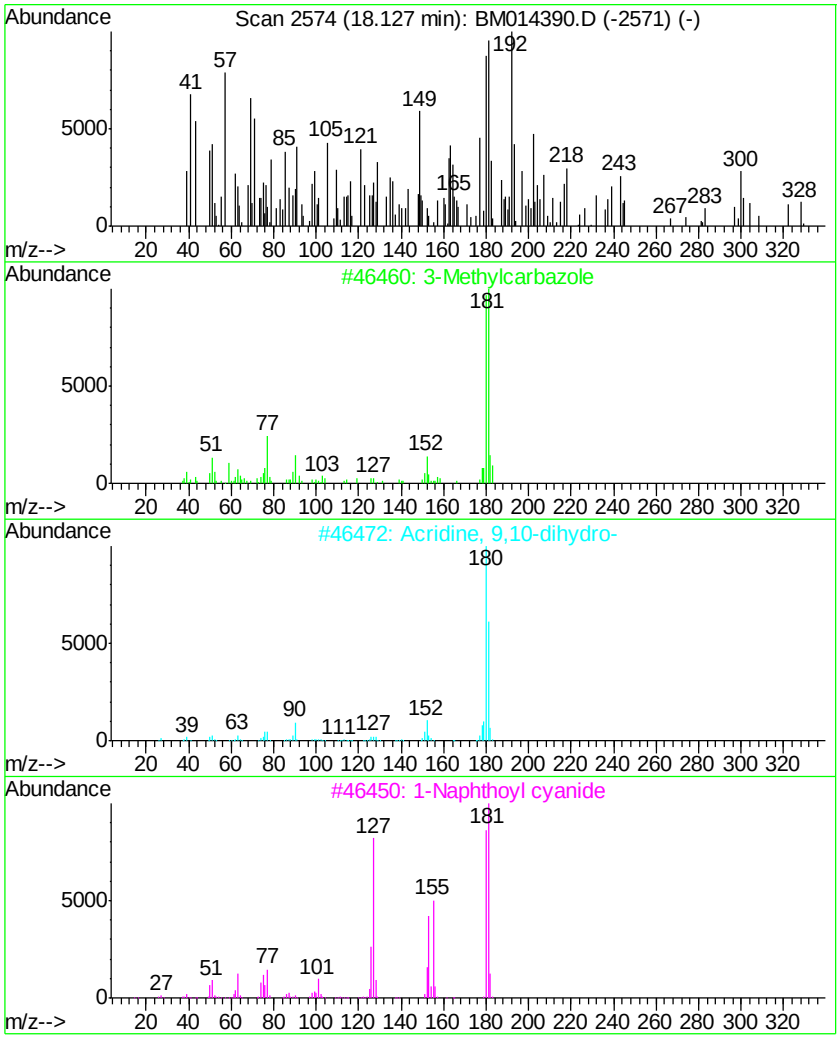
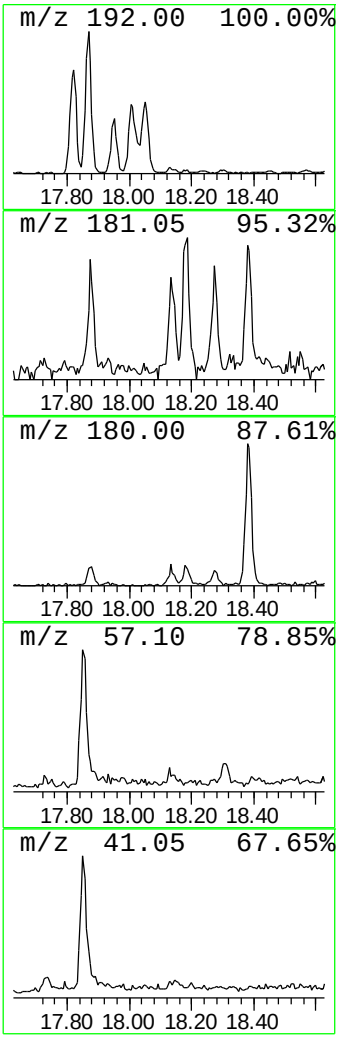
Peak Number 14 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.26 ng/ul	173773	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	38
2	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	38
3	1-Naphthoyl cyanide	181	C12H7NO	014271-86-4	25
4	5H-Indeno[1,2-b]pyridine, 4-methyl-	181	C13H11N	064292-01-9	18
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	18





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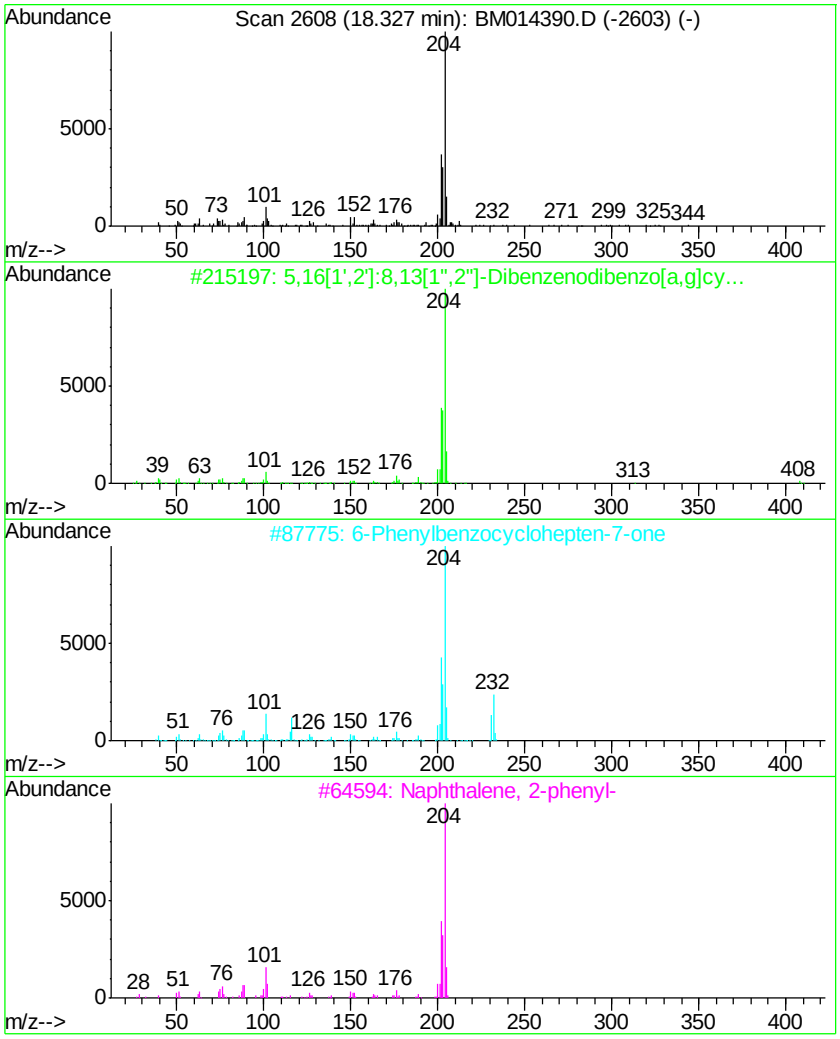
Quant Title : SVOA CALIBRATION

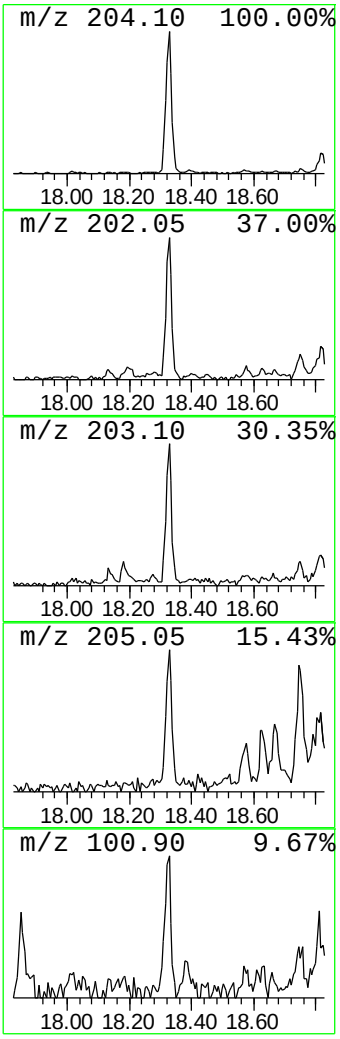
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.11 ng/ul	316270	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	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





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Quant Title : SVOA CALIBRATION

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

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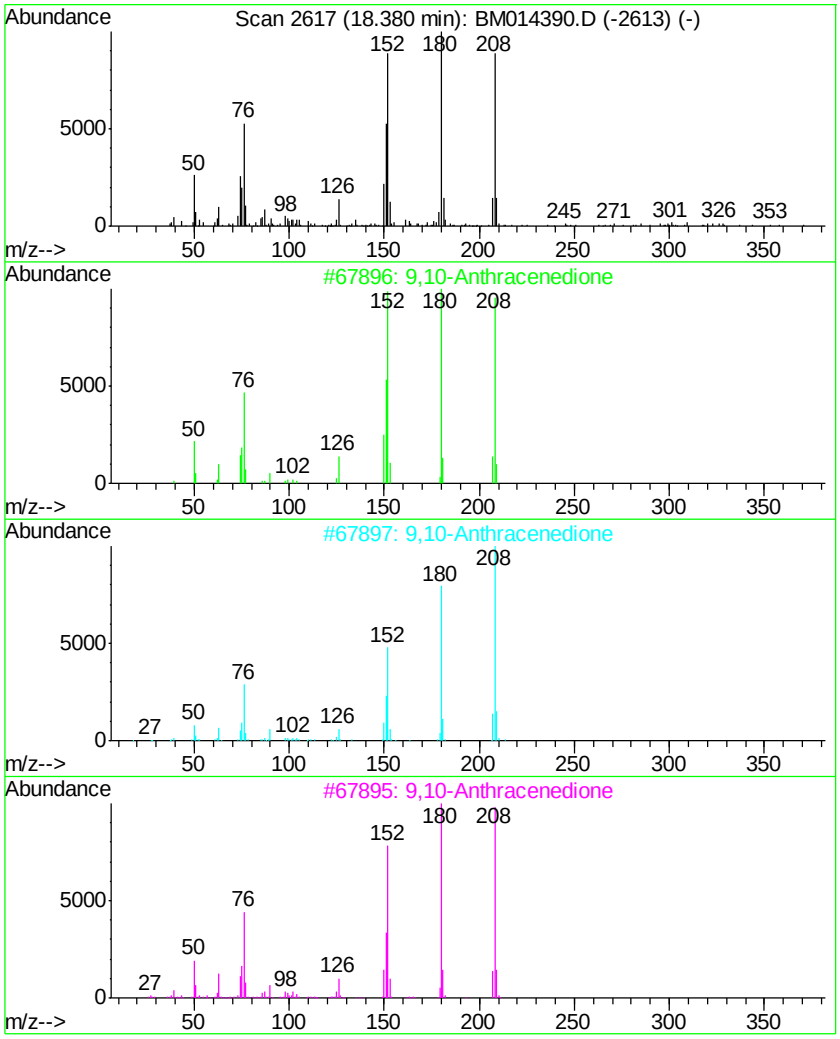
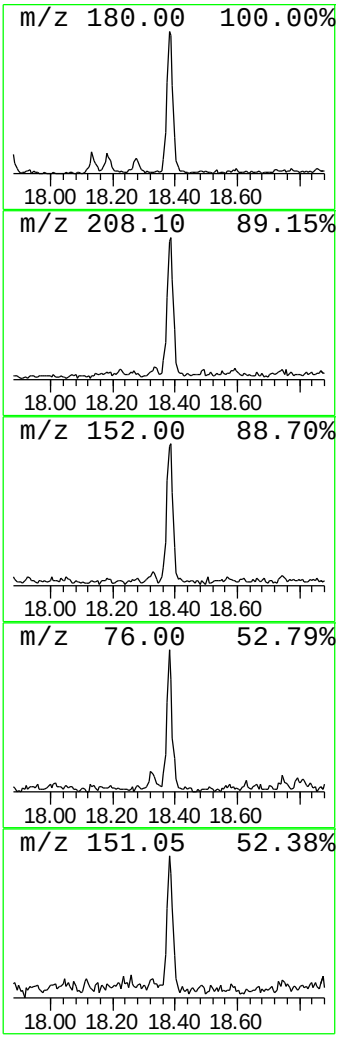
Peak Number 16 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.02 ng/ul	463929	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Sample : J1646-20
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ALS Vial : 14 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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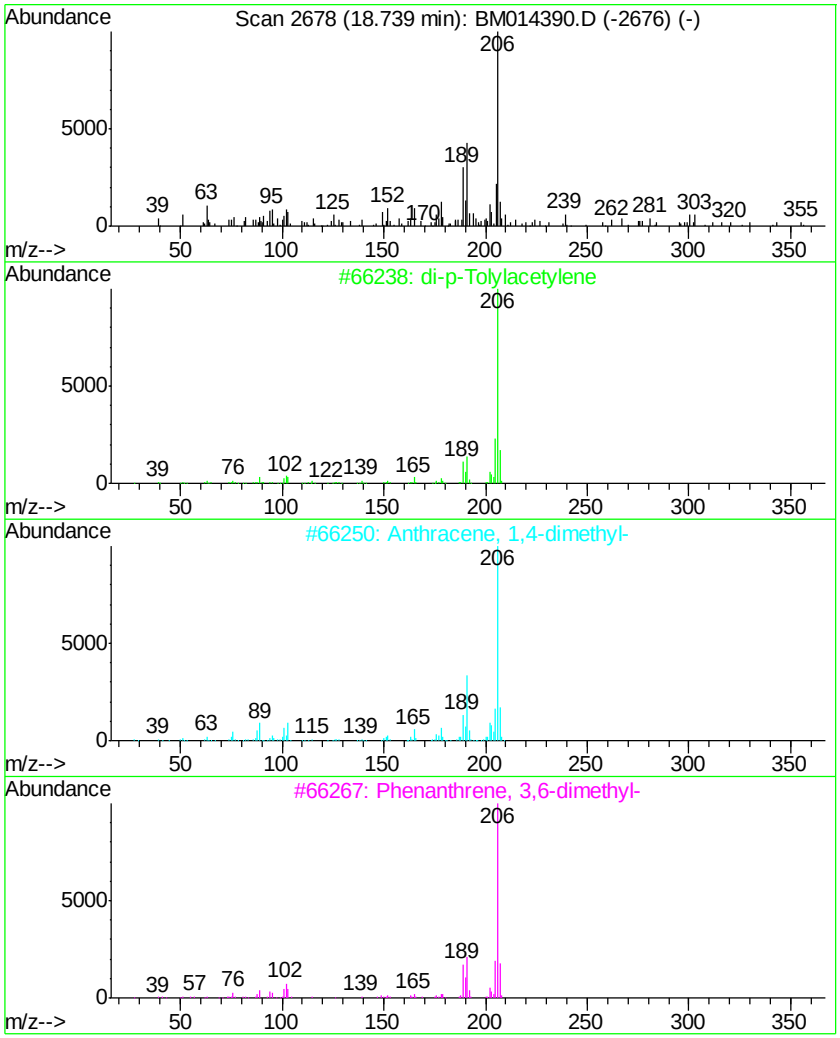
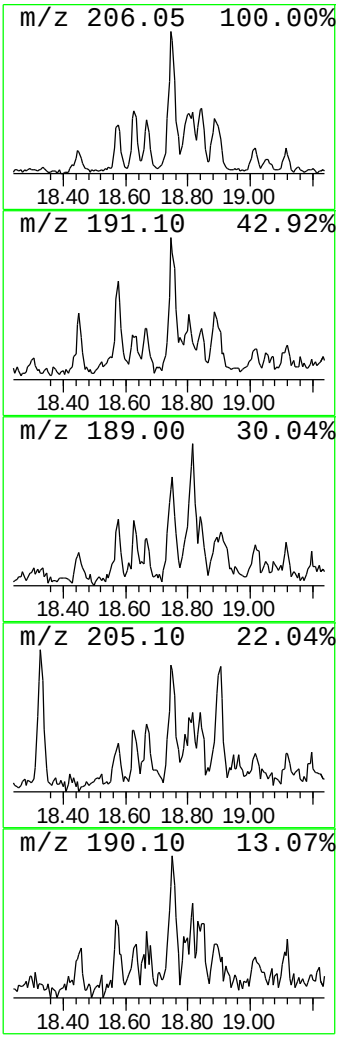
Peak Number 17 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.29 ng/ul	176509	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	76
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	76





Library Search Compound Report

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Data File : BM014390.D
Acq On : 27 Feb 2018 19:38
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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Quant Title : SVOA CALIBRATION

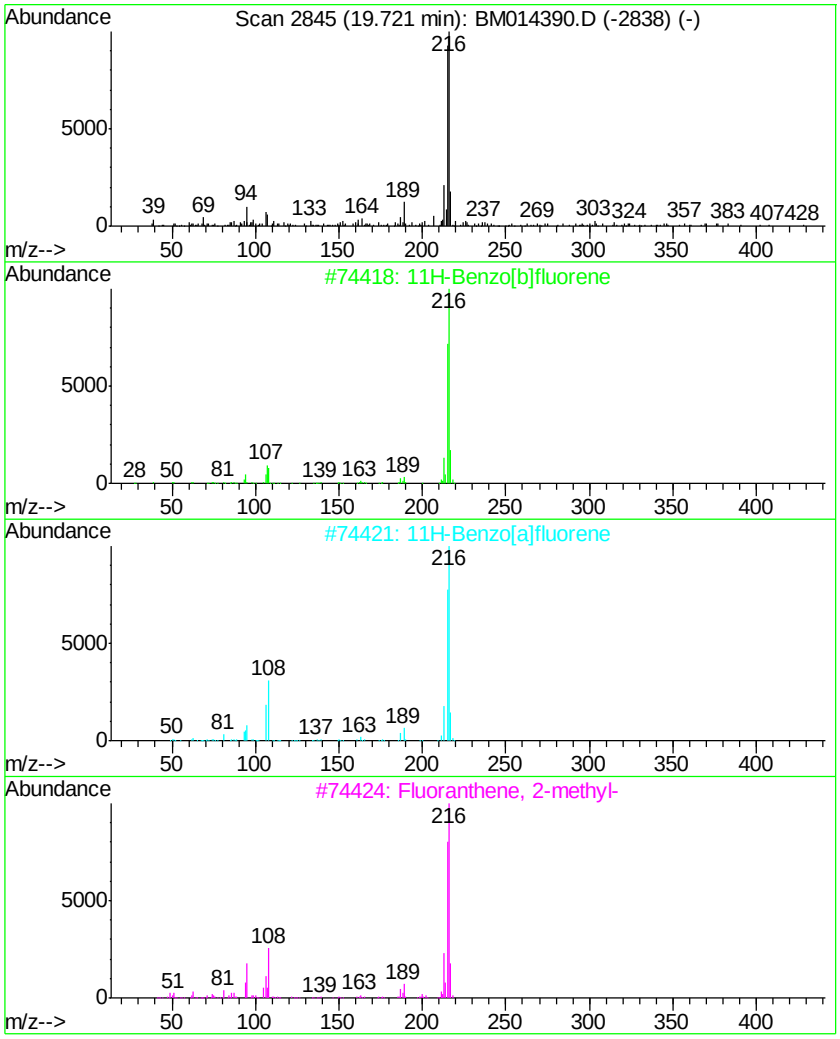
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

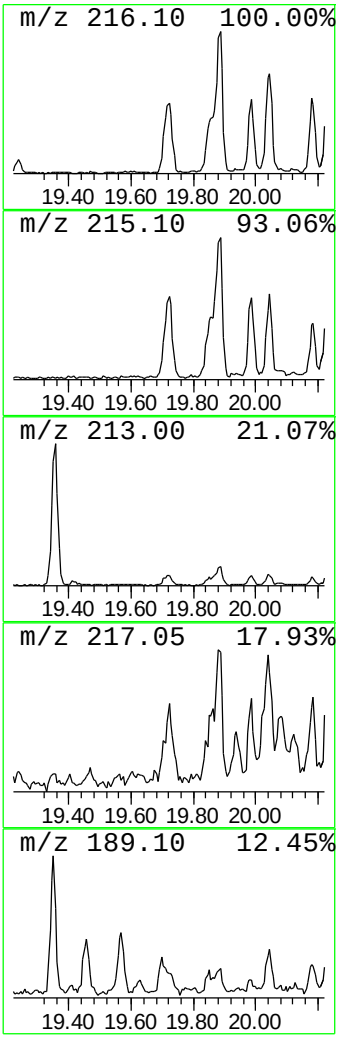
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.67 ng/ul	471989	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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Sample : J1646-20
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z8

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

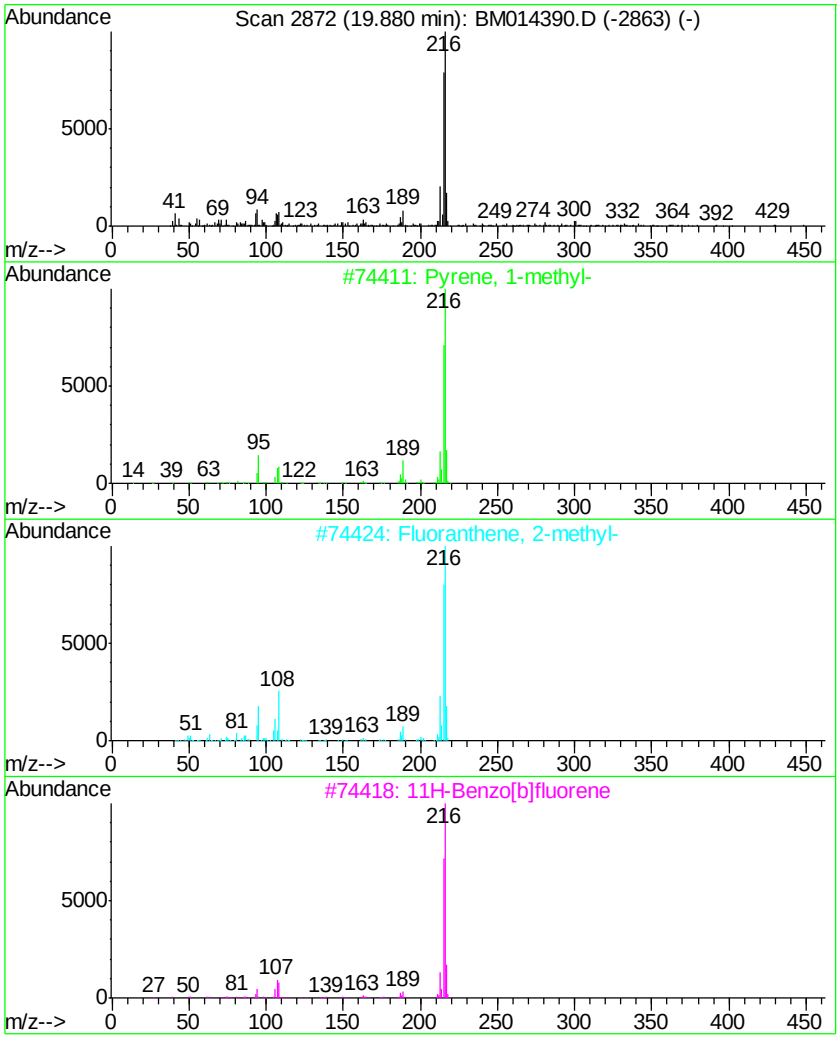
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

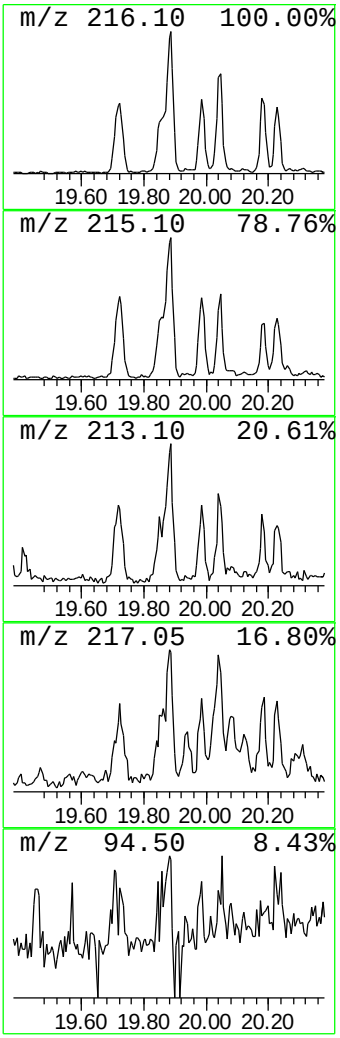
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	4.87 ng/ul	859904	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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ALS Vial : 14 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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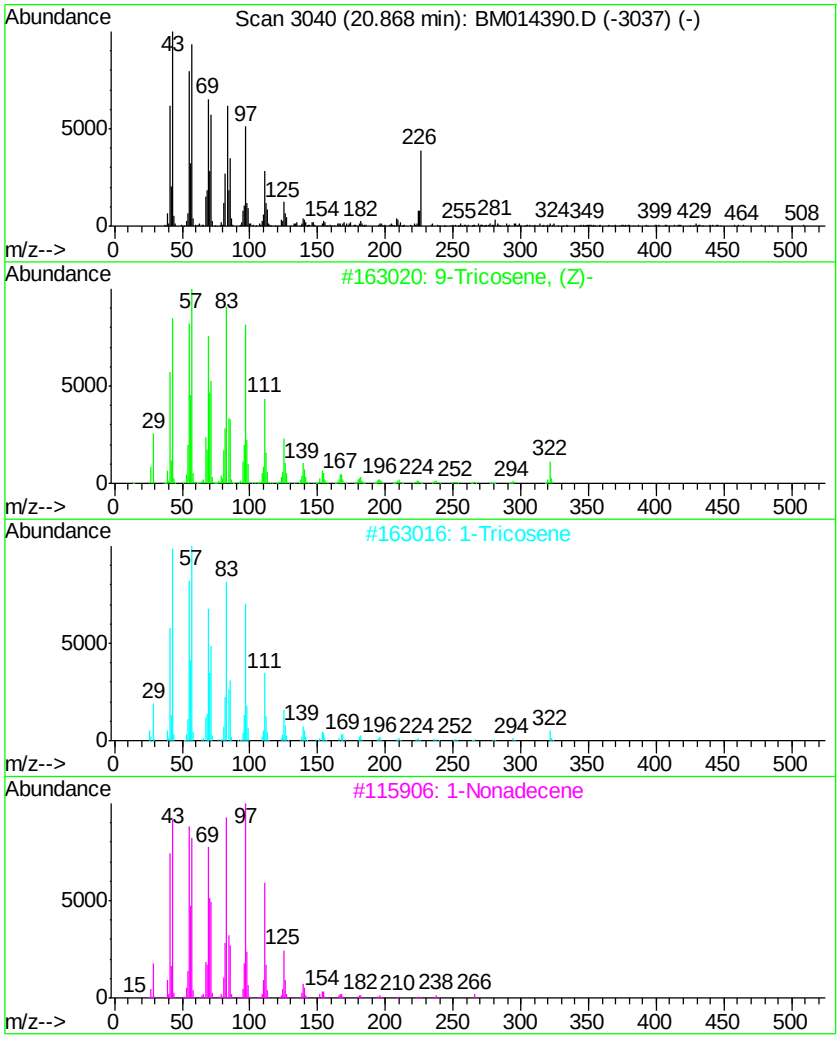
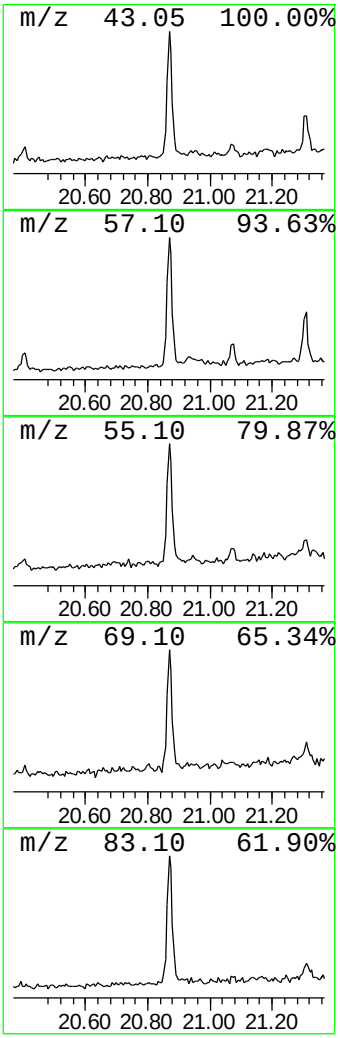
Peak Number 21 (DEL) Alkane: Cyclic20.87 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	9.29 ng/ul	1639880	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
2	1-Tricosene	322	C23H46	018835-32-0	96
3	1-Nonadecene	266	C19H38	018435-45-5	95
4	Cyclooctacosane	392	C28H56	000297-24-5	91
5	Cyclohexadecane	224	C16H32	000295-65-8	87





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ALS Vial : 14 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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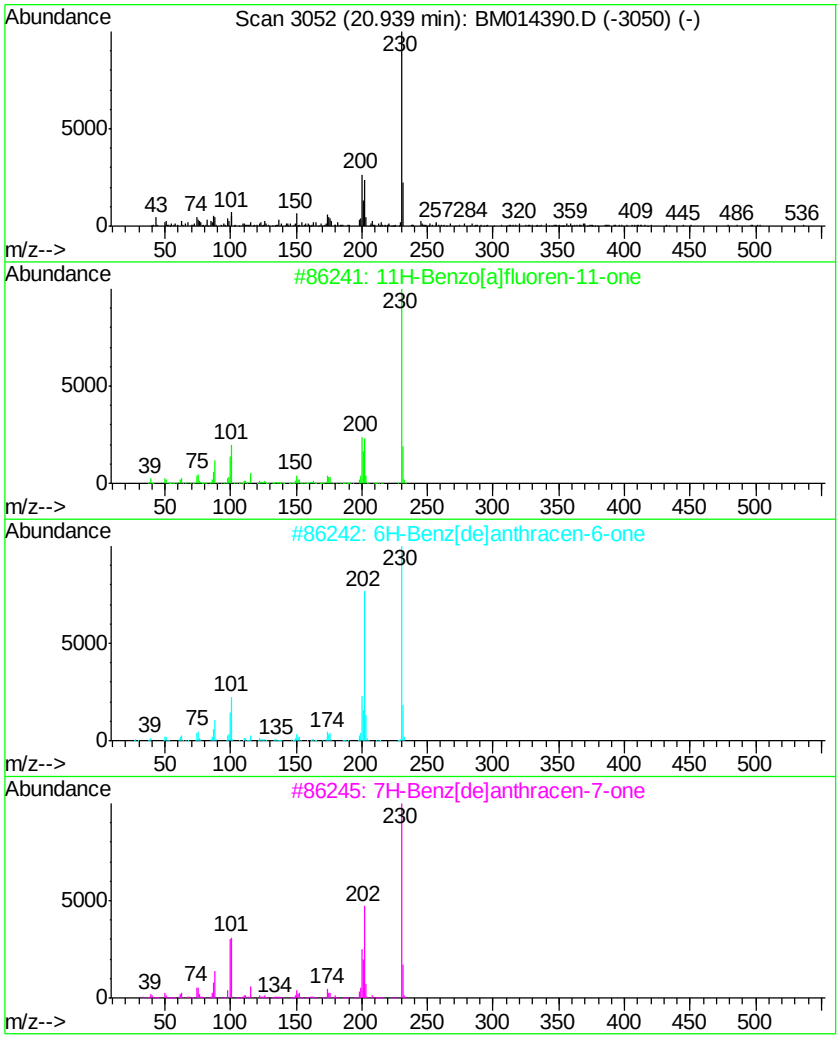
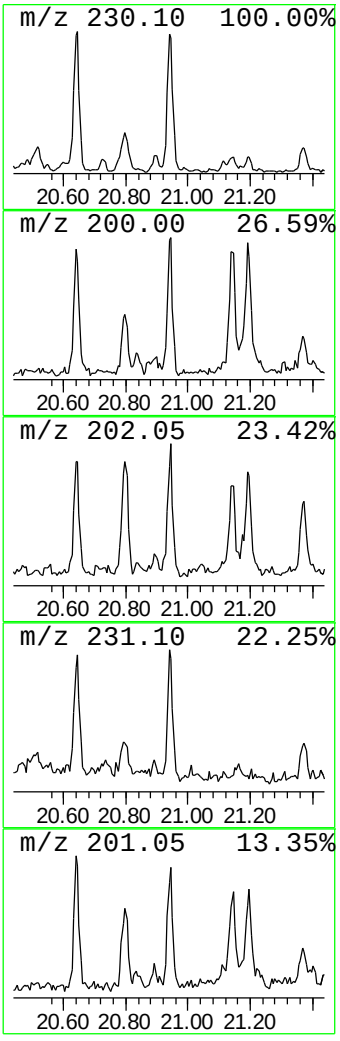
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.99 ng/ul	527030	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	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





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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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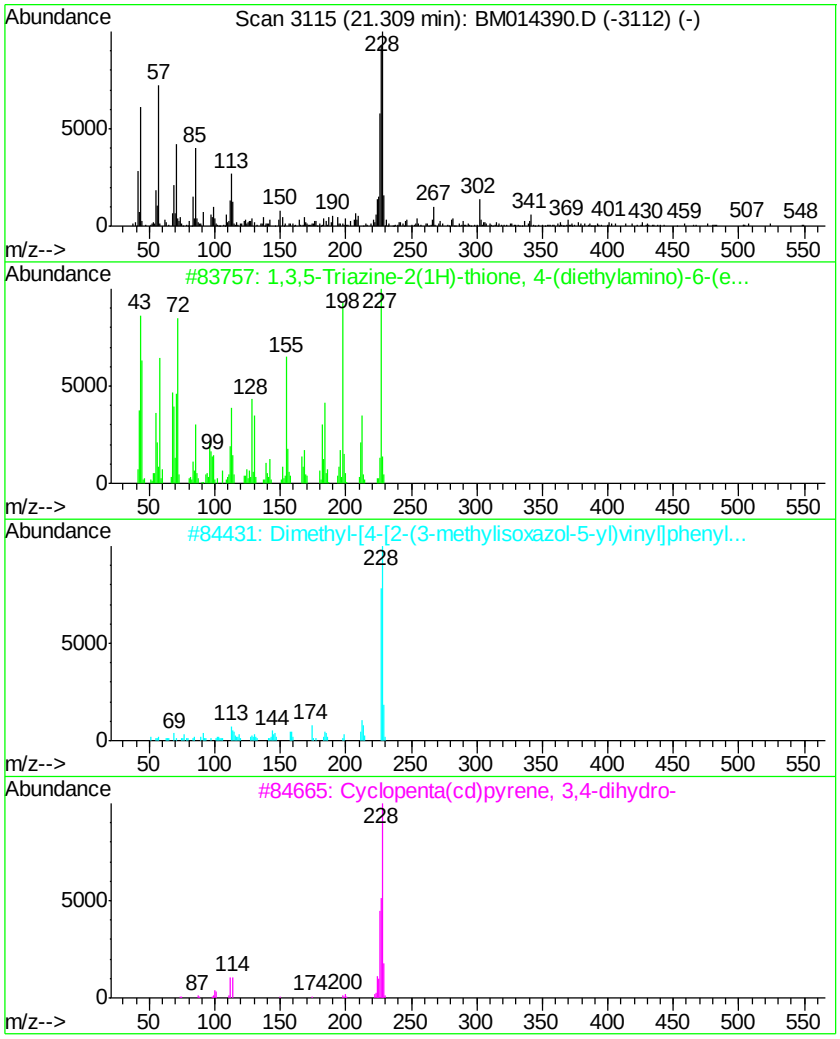
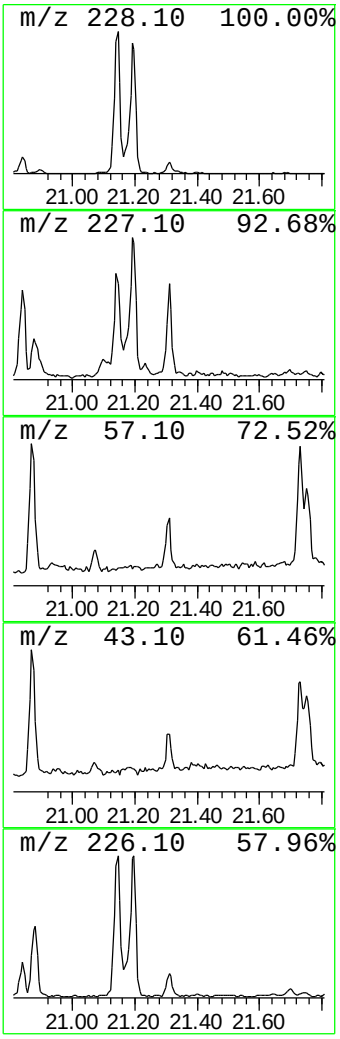
Peak Number 23 1,3,5-Triazine-2(1H)-thione... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.32 ng/ul	409857	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	86
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	43
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38





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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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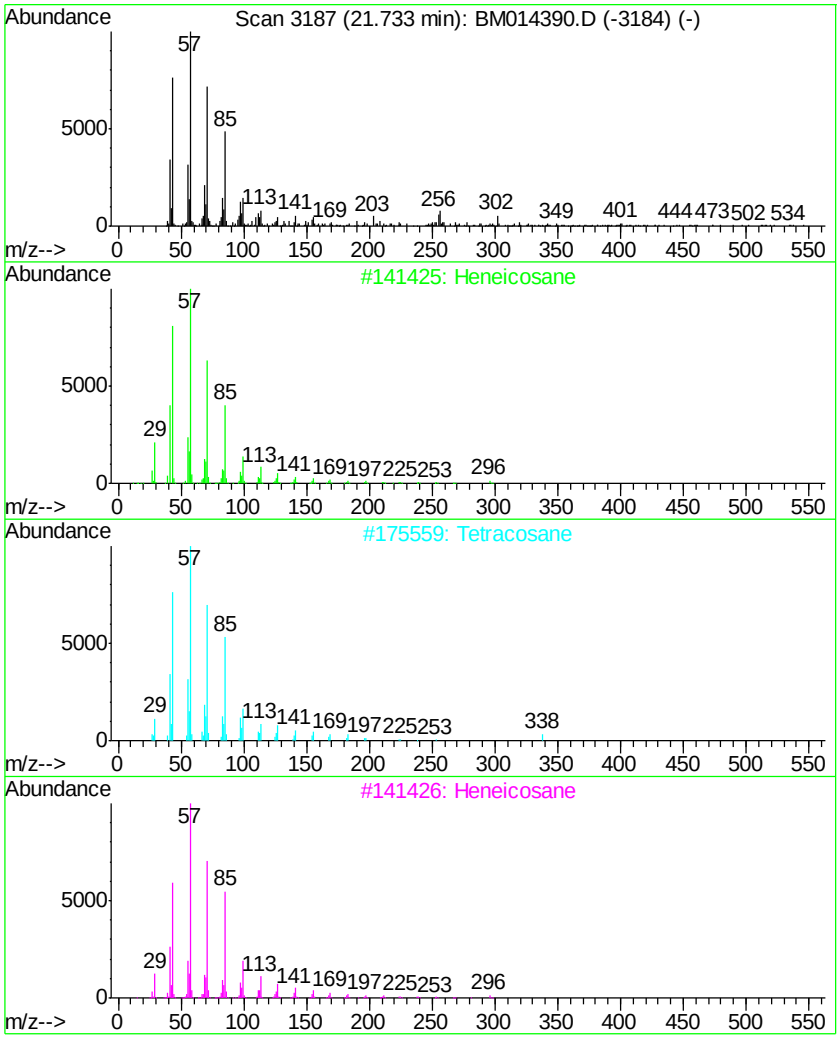
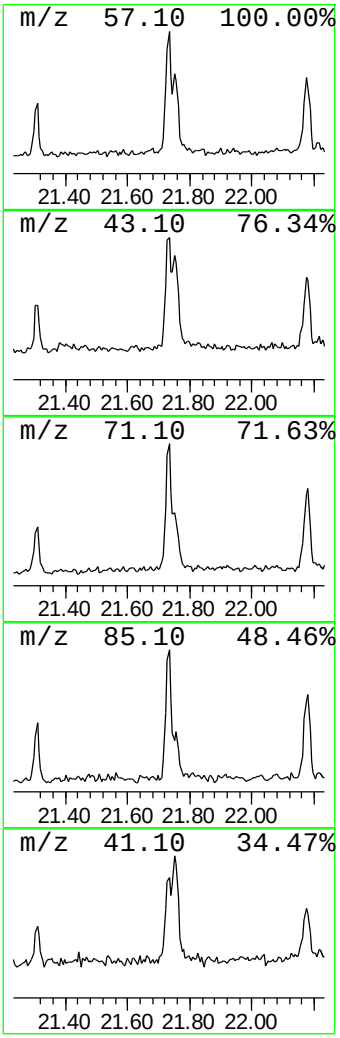
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	2.79 ng/ul	493387	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Tetracosane	338	C24H50	000646-31-1	97
3	Heneicosane	296	C21H44	000629-94-7	95
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	94





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Sample : J1646-20
Misc :
ALS Vial : 14 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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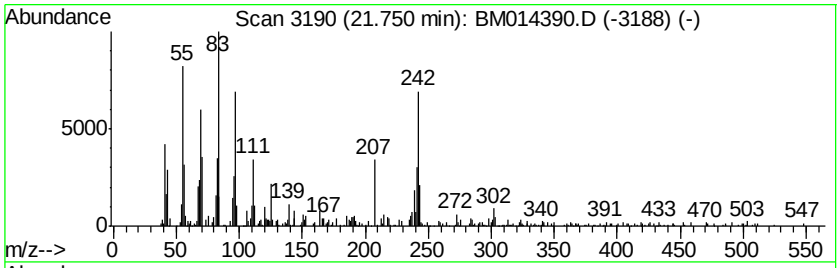
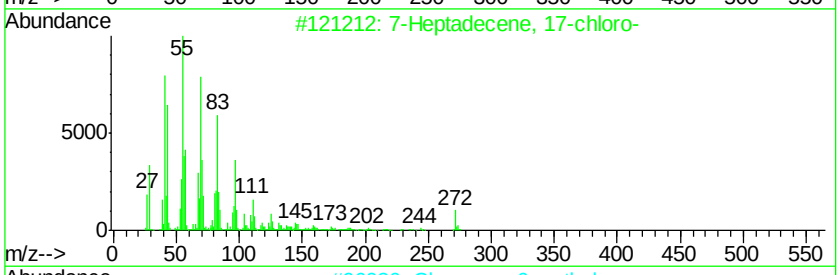
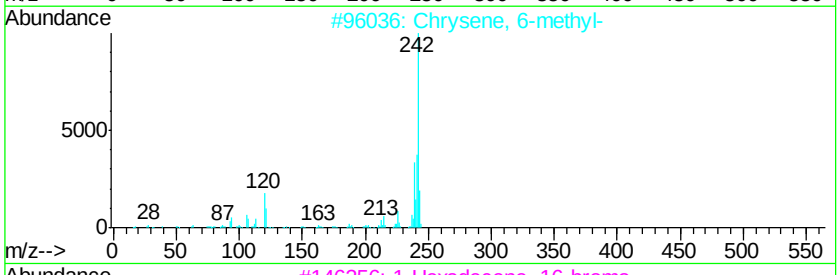
Peak Number 25 unknown-03 Concentration Rank 9

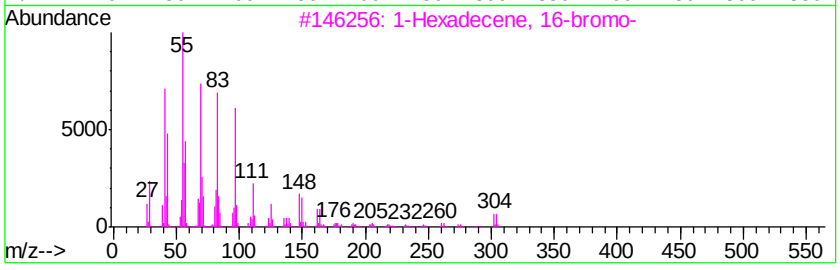
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	4.87 ng/ul	859417	Chrysene-d12	21.16

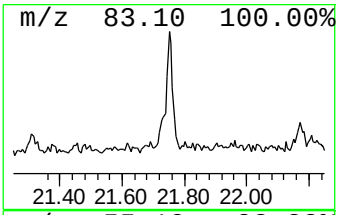
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	43
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	35
3	1-Hexadecene, 16-bromo-	302	C16H31Br	118625-56-2	30
4	Behenic alcohol	326	C22H46O	000661-19-8	25
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	25

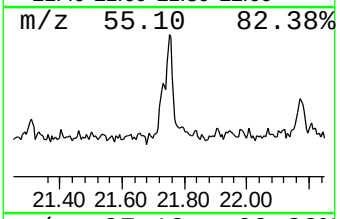


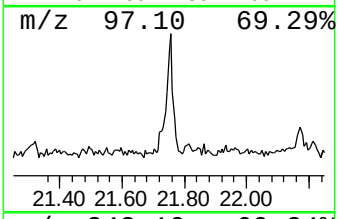


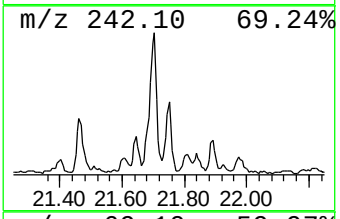


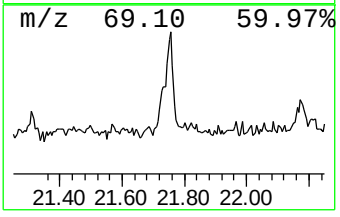












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Sample : J1646-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

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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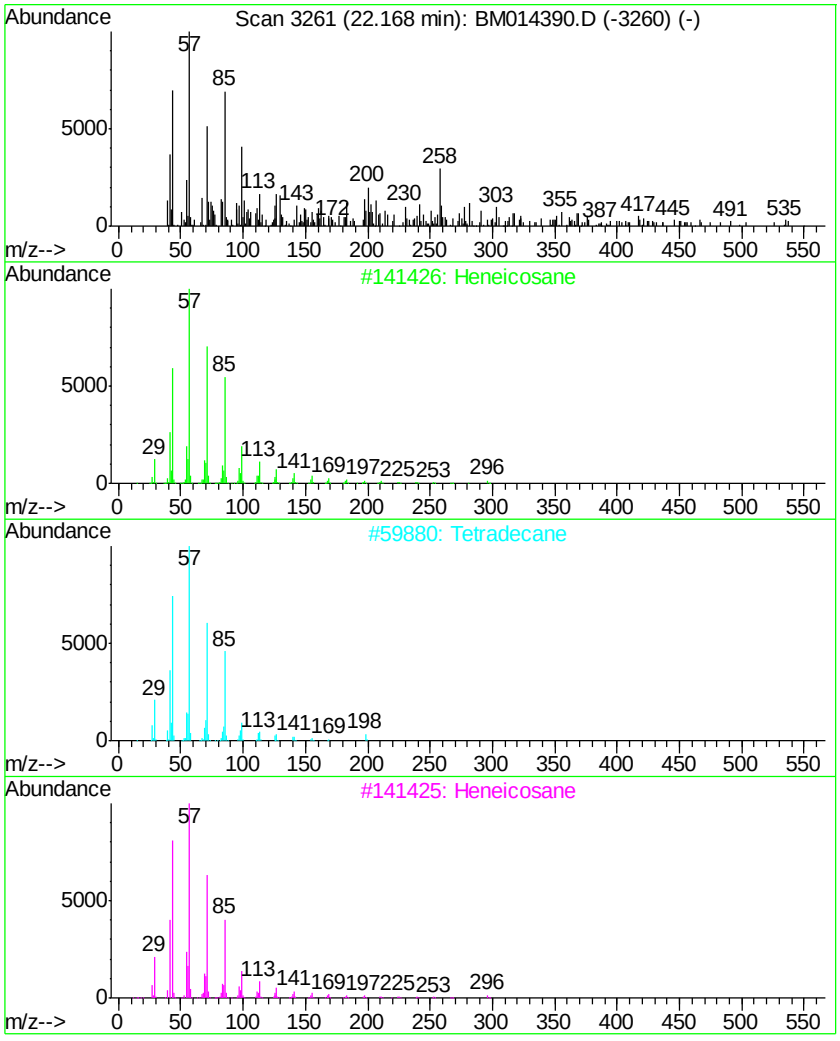
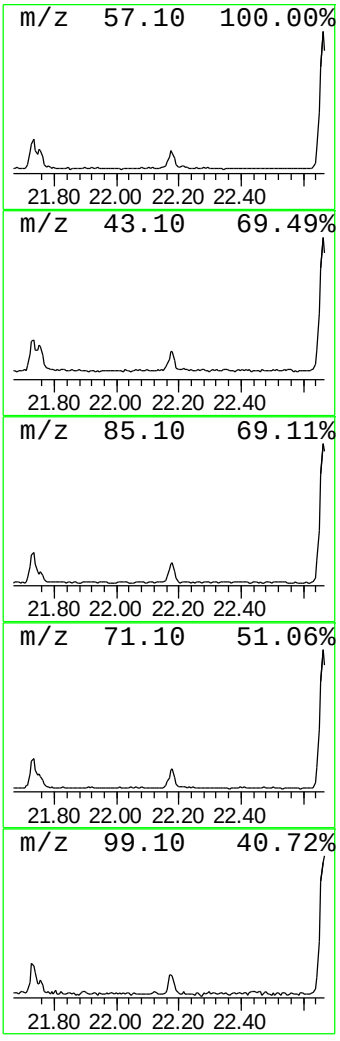
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	2.78 ng/ul	490930	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	92
2	Tetradecane	198	C14H30	000629-59-4	90
3	Heneicosane	296	C21H44	000629-94-7	86
4	Docosane	310	C22H46	000629-97-0	86
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	62





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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

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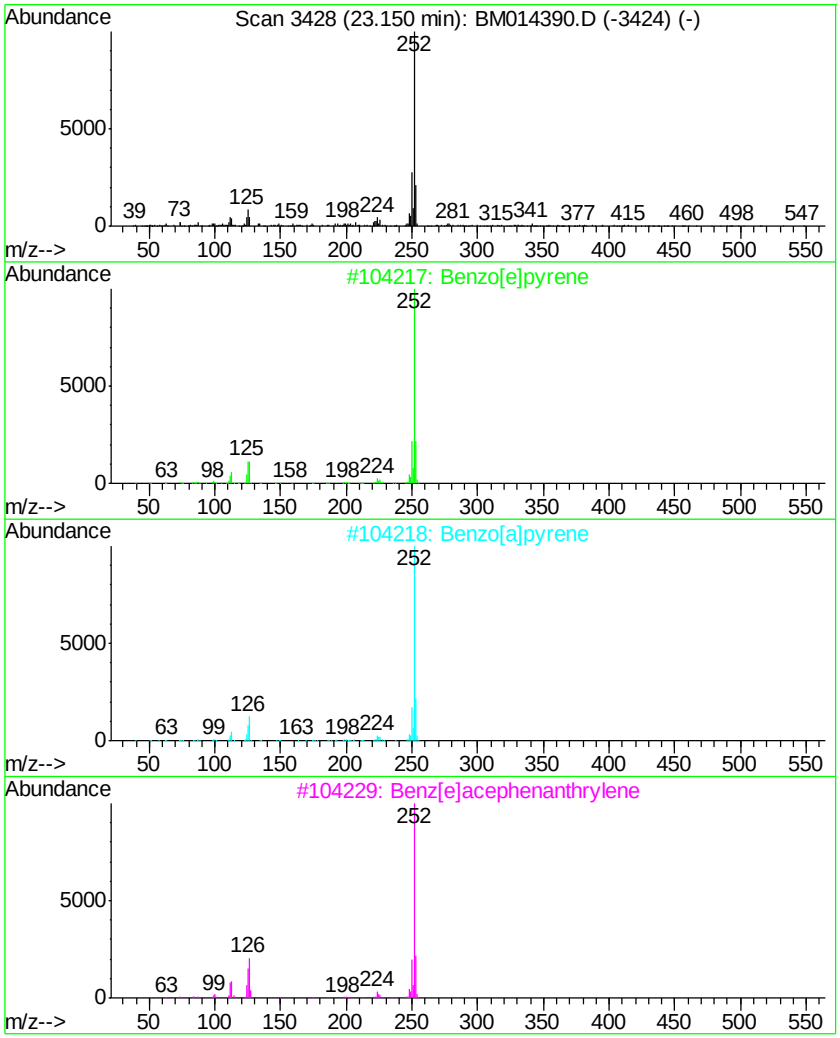
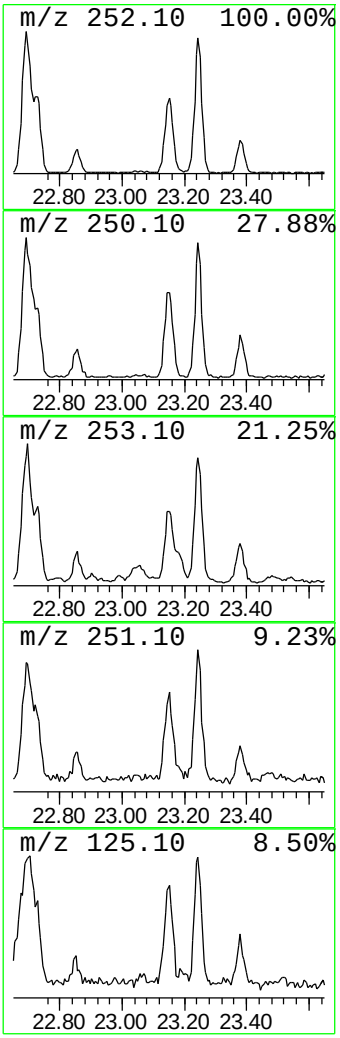
Peak Number 27 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	14.46 ng/ul	812233	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





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Quant Title : SVOA CALIBRATION

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

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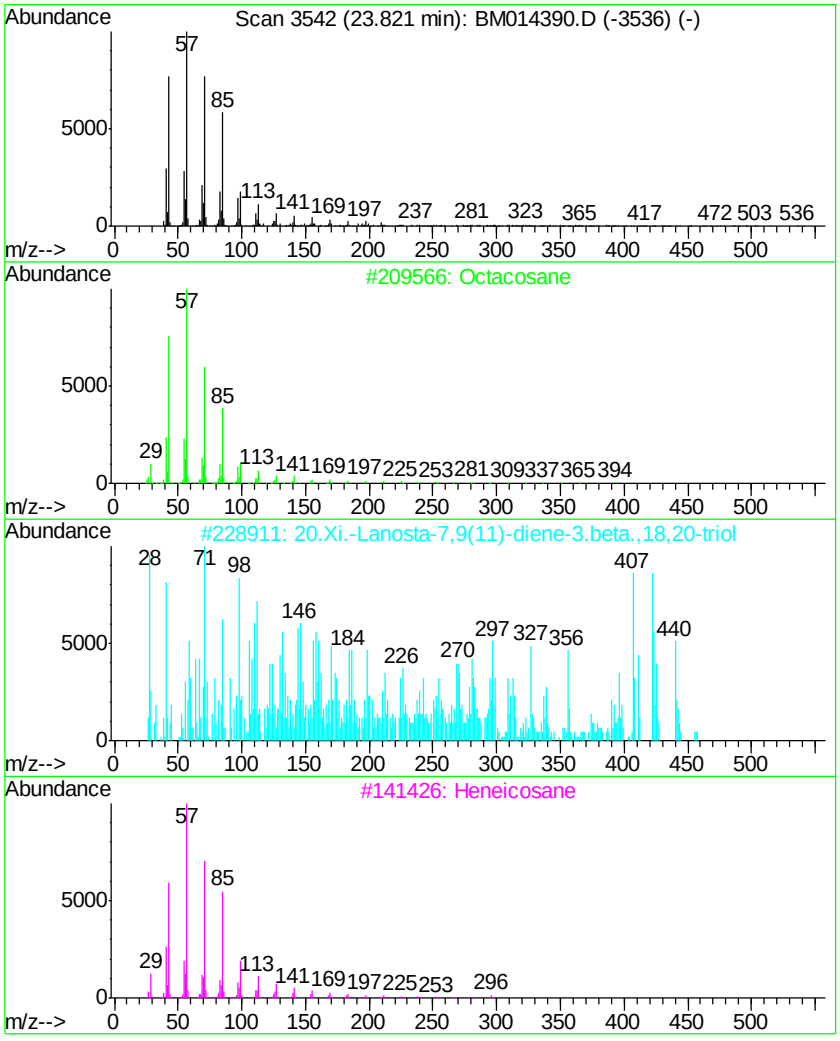
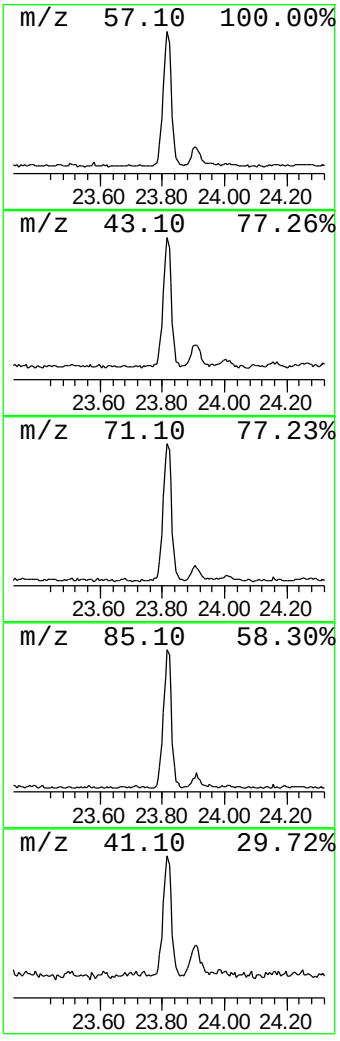
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.82	45.42 ng/ul	2551510	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	98
2	20.Xi.-Lanosta-7,9(11)-diene-3.b...	458	C30H50O3	025116-58-9	96
3	Heneicosane	296	C21H44	000629-94-7	96
4	Tricosane	324	C23H48	000638-67-5	95
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95





Tentatively Identified Compound (LSC) summary

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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	3.1	ng/ul	118871	1	7.52	772668	20.0
Cyclohexane, 1,5-...	13.48	3.4	ng/ul	278435	3	14.18	1642460	20.0
3-Oxatricyclo[3.2...	15.07	2.5	ng/ul	207271	3	14.18	1642460	20.0
(DEL) Alkane: Str...	15.91	2.5	ng/ul	190128	4	16.94	1540870	20.0
9H-Fluoren-9-one	16.61	2.7	ng/ul	208699	4	16.94	1540870	20.0
Anthracene, 1,2,3...	16.70	2.9	ng/ul	221468	4	16.94	1540870	20.0
Dibenzothiophene	16.76	2.9	ng/ul	224929	4	16.94	1540870	20.0
Phenanthridine	17.14	2.1	ng/ul	163014	4	16.94	1540870	20.0
1H-Cyclopropa[l]p...	17.82	5.4	ng/ul	419409	4	16.94	1540870	20.0
n-Hexadecanoic acid	17.86	16.9	ng/ul	1300790	4	16.94	1540870	20.0
Phenanthrene, 2-m...	17.95	2.4	ng/ul	187442	4	16.94	1540870	20.0
4H-Cyclopenta[def...	18.02	9.5	ng/ul	732814	4	16.94	1540870	20.0
Phenanthrene, 1-m...	18.05	3.0	ng/ul	233469	4	16.94	1540870	20.0
unknown-02	18.13	2.3	ng/ul	173773	4	16.94	1540870	20.0
5,16[1',2']:8,13[...	18.33	4.1	ng/ul	316270	4	16.94	1540870	20.0
9,10-Anthracenedione	18.38	6.0	ng/ul	463929	4	16.94	1540870	20.0
di-p-Tolylacetylene	18.74	2.3	ng/ul	176509	4	16.94	1540870	20.0
11H-Benzo[b]fluorene	19.72	2.7	ng/ul	471989	5	21.16	3530910	20.0
Pyrene, 1-methyl-	19.88	4.9	ng/ul	859904	5	21.16	3530910	20.0
(DEL) Alkane: Cyc...	20.87	9.3	ng/ul	1639880	5	21.16	3530910	20.0
11H-Benzo[a]fluor...	20.94	3.0	ng/ul	527030	5	21.16	3530910	20.0
1,3,5-Triazine-2(...	21.31	2.3	ng/ul	409857	5	21.16	3530910	20.0
(DEL) Alkane: Str...	21.73	2.8	ng/ul	493387	5	21.16	3530910	20.0
unknown-03	21.75	4.9	ng/ul	859417	5	21.16	3530910	20.0
(DEL) Alkane: Str...	22.17	2.8	ng/ul	490930	5	21.16	3530910	20.0
Benzo[e]pyrene	23.15	14.5	ng/ul	812233	6	23.34	1123560	20.0
(DEL) Alkane: Str...	23.82	45.4	ng/ul	2551510	6	23.34	1123560	20.0