LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

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-BM041918.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	4.264	110	115	124	rVB	344852	484306	2.32%	0.209%
2	5.516	322	328	333	rBV2	139615	248234	1.19%	0.107%
3	6.475	483	491	497	rBV3	116885	252105	1.21%	0.109%
4	7.663	686	693	703	rBV2	1230474	2411983	11.53%	1.039%
5	7.846	713	724	731	rBV	941327	1547841	7.40%	0.667%
6	8.063	754	761	767	rBV	1157123	1947432	9.31%	0.839%
7	8.175	776	780	790	rVB3	116999	220775	1.06%	0.095%
8	8.546	837	843	857	rVB	1372642	2320013	11.09%	1.000%
9	9.093	924	936	947	rBV	124686	286321	1.37%	0.123%
10	9.240	955	961	969	rVB	1174388	1939837	9.28%	0.836%
11	9.722	1036	1043	1057	rBV	1117403	2033341	9.72%	0.876%
12	10.457	1153	1168	1176	rBV	889499	1592868	7.62%	0.686%
13	10.993	1251	1259	1267	rVB	1400520	2367397	11.32%	1.020%
14	11.393	1319	1327	1332	rBV	1770548	3173467	15.18%	1.368%
15	11.440	1332	1335	1340	rVV	207448	322071	1.54%	0.139%
16	11.510	1340	1347	1364	rVB	623502	1162875	5.56%	0.501%
17	13.010	1595	1602	1610	rVB	284573	451130	2.16%	0.194%
18	13.222	1632	1638	1645	rBV	228775	374014	1.79%	0.161%
19	14.316	1819	1824	1831	rVB3	84206	212401	1.02%	0.092%
20	14.469	1844	1850	1854	rBV	172634	297834	1.42%	0.128%
21	14.533	1854	1861	1865	rVV	2346736	3370568	16.12%	1.453%
22	14.581	1865	1869	1876	rVB	674199	1038876	4.97%	0.448%
23	14.845	1907	1914	1928	rBV2	2797197	5055086	24.17%	2.178%
24	14.992	1931	1939	1944	rVB	219158	364441	1.74%	0.157%
25	15.145	1959	1965	1972	rVB2	2513876	3760730	17.98%	1.621%
26	15.298	1985	1991	1999	rBV3	411768	658033	3.15%	0.284%
27	15.533	2026	2031	2036	rVB2	149498	260640	1.25%	0.112%
28	15.739	2059	2066	2071	rBV3	112331	245790	1.18%	0.106%
29	15.933	2094	2099	2104	rVB	315481	524888	2.51%	0.226%
30	16.122	2125	2131	2136	rBV	3349986	4881432	23.34%	2.104%
31	16.216	2143	2147	2153	rVB	580229	803529	3.84%	0.346%
32	16.604	2209	2213	2221	rVB	148718	297849	1.42%	0.128%
33	16.804	2239	2247	2252	rBV	609098	1266403	6.06%	0.546%
34	17.163	2298	2308	2313	rBV8	81564	275808	1.32%	0.119%

LSC Area Percent Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

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 >
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Title : SVOA CALIBRATION

35	17.427	2350	2353	2360	rVB4	127981	236600	1.13%	0.102%
36	17.510	2363	2367	2373	rBV2	144865	215135	1.03%	0.093%
37	17.569	2373	2377	2382	rBV2	223437	393747	1.88%	0.170%
38	17.698	2392	2399	2404	rVB2	139196	268573	1.28%	0.116%
39	17.857	2420	2426	2430	rBV	2951979	4456863	21.31%	1.921%
40	17.898	2430	2433	2437	rVV	2111551	2724973	13.03%	1.174%
41	17.951	2437	2442	2446	rVV2	3320706	4974721	23.79%	2.144%
42	17.986	2446	2448	2454	rVB	1115772	1364177	6.52%	0.588%
43	18.245	2488	2492	2497	rBV2	209189	309139	1.48%	0.133%
44	18.574	2543	2548	2553	rBV2	537493	785973	3.76%	0.339%
45	18.686	2562	2567	2570	rBV2	1464921	2179637	10.42%	0.939%
46	18.757	2575	2579	2584	rVB	638602	883531	4.23%	0.381%
47	18.839	2588	2593	2597	rVB	460510	640126	3.06%	0.276%
48	18.910	2598	2605	2608	rBV3	681521	1437874	6.88%	0.620%
49	19.186	2647	2652	2656	rBV2	393182	634567	3.03%	0.273%
50	19.233	2656	2660	2664	rBV	355158	469285	2.24%	0.202%
51	19.515	2705	2708	2715	rVB	268233	307634	1.47%	0.133%
52	19.592	2716	2721	2727	rBV3	585672	1256766	6.01%	0.542%
53	19.739	2741	2746	2751	rBV2	843662	1397202	6.68%	0.602%
54	19.863	2761	2767	2772	rVB	7338246	9546261	45.65%	4.114%
55	19.915	2772	2776	2780	rBV3	652631	984121	4.71%	0.424%
56	20.186	2816	2822	2824	rBV2	4462284	6722516	32.15%	2.897%
57	20.221	2824	2828	2833	rVV	8022250	11467488	54.84%	4.942%
58	20.274	2833	2837	2843	rVB	671739	1035189	4.95%	0.446%
59	20.386	2853	2856	2860	rVB	533032	661707	3.16%	0.285%
60	20.451	2861	2867	2872	rVB2	647076	1203927	5.76%	0.519%
61	20.533	2874	2881	2886	rBV3	1215599	2779000	13.29%	1.198%
62	20.668	2896	2904	2912	rVB3	1689631	4747547	22.70%	2.046%
63	20.851	2927	2935	2938	rBV2	1237980	2348332	11.23%	1.012%
64	20.910	2942	2945	2952	rVB2	577105	824687	3.94%	0.355%
65	20.986	2953	2958	2962	rBV	2191968	3106619	14.86%	1.339%
66	21.027	2962	2965	2972	rVB2	961858	1618938	7.74%	0.698%
67	21.227	2995	2999	3001	rBV2	374970	636046	3.04%	0.274%
68	21.421	3027	3032	3038	rBV	1501326	2202692	10.53%	0.949%
69	21.592	3052	3061	3064	rBV4	2670772	4953381	23.69%	2.135%
70	21.662	3070	3073	3077	rBV2	1440503	1862906	8.91%	0.803%
71	21.709	3077	3081	3091	rVB2	1137728	2112285	10.10%	0.910%

LSC Area Percent Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

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 >
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Title : SVOA CALIBRATION

72	21.804	3094	3097	3099	rBV	611416	776385	3.71%	0.335%
73	21.927	3113	3118	3124	rBV2	6244517	14782855	70.69%	6.371%
74	21.980	3124	3127	3132	rVB	5232851	7484630	35.79%	3.225%
75	22.115	3146	3150	3155	rBV3	778072	1320097	6.31%	0.569%
76	22.280	3175	3178	3182	rBV2	604344	808611	3.87%	0.348%
77	22.539	3215	3222	3227	rBV	2128853	4187599	20.02%	1.805%
78	22.598	3228	3232	3237	rVB2	1347745	2025998	9.69%	0.873%
79	22.756	3256	3259	3266	rBV2	650890	1304659	6.24%	0.562%
80	23.686	3409	3417	3423	rBV	7929219	20911941	100.00%	9.012%
81	23.874	3444	3449	3460	rVB	1224685	2314126	11.07%	0.997%
82	24.227	3503	3509	3515	rBV	5003948	10781503	51.56%	4.646%
83	24.286	3515	3519	3523	rVV2	2545491	5088626	24.33%	2.193%
84	24.339	3523	3528	3535	rVB	4513168	8772951	41.95%	3.781%
85	24.445	3541	3546	3551	rBV	1874776	3646335	17.44%	1.571%
86	24.503	3551	3556	3563	rVB3	1687477	3756105	17.96%	1.619%
87	27.039	3978	3987	3999	rVB	2965588	9389034	44.90%	4.046%
88	27.844	4116	4124	4132	rVB	1572852	4495080	21.50%	1.937%

Sum of corrected areas: 232047018

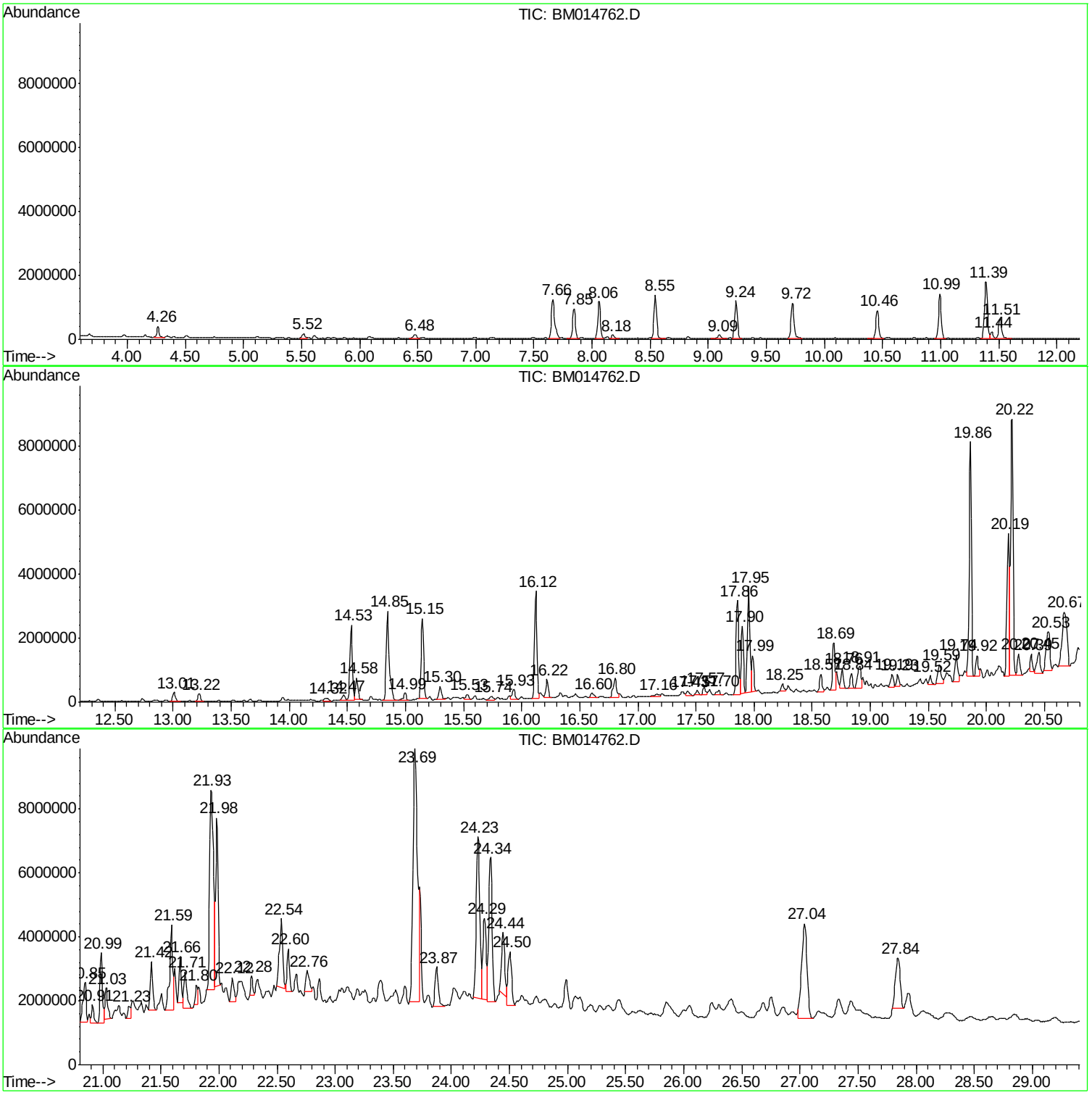
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

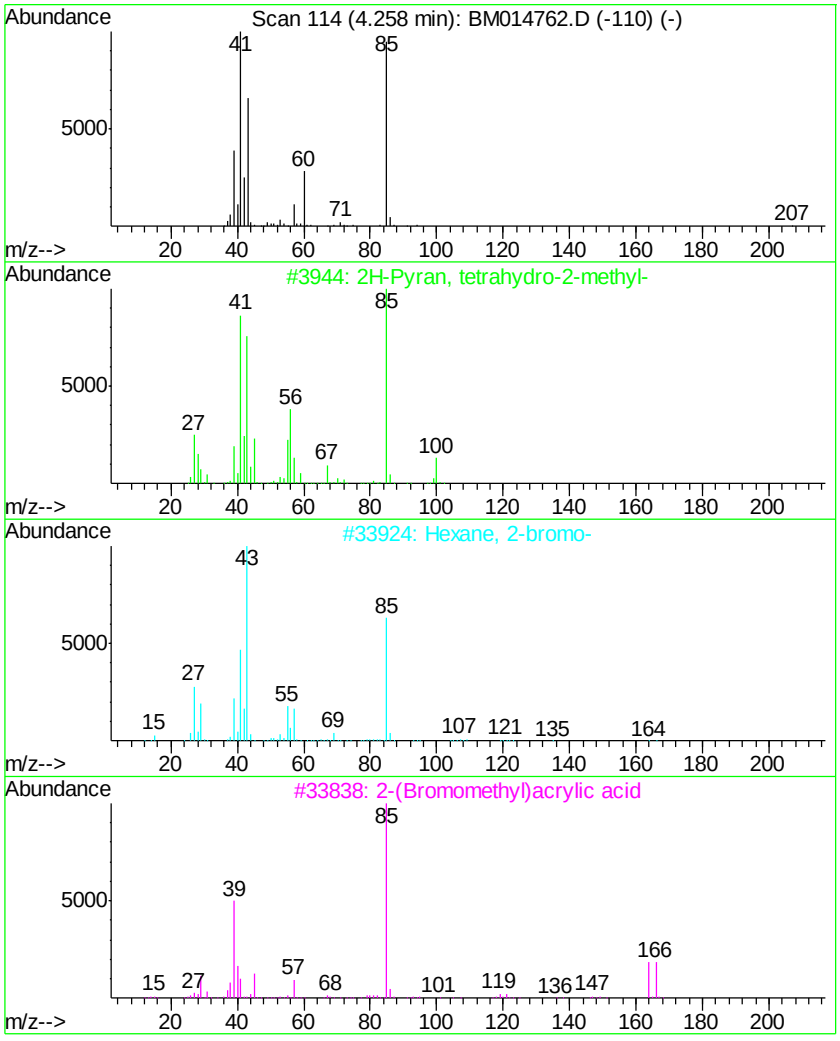
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

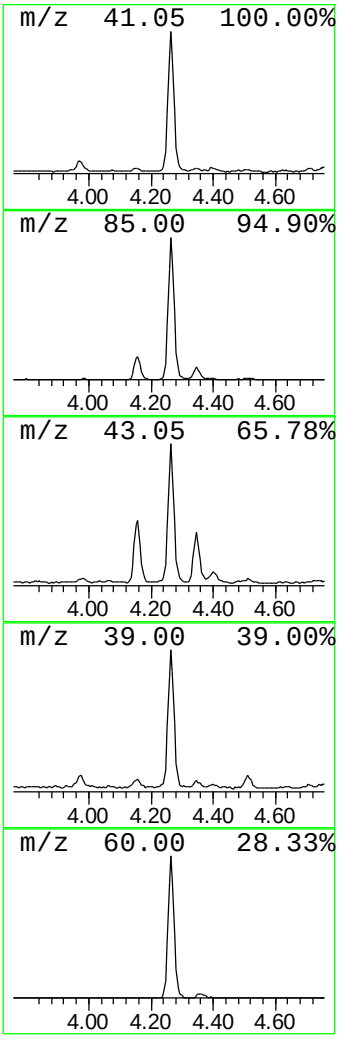
****

Peak Number 1 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	4.18 ng/ul	484306	1,4-Dichlorobenzene-d4	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	50
2	Hexane, 2-bromo-	164	C6H13Br	003377-86-4	43
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40
4	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	33
5	Methacrylamide	85	C4H7NO	000079-39-0	28





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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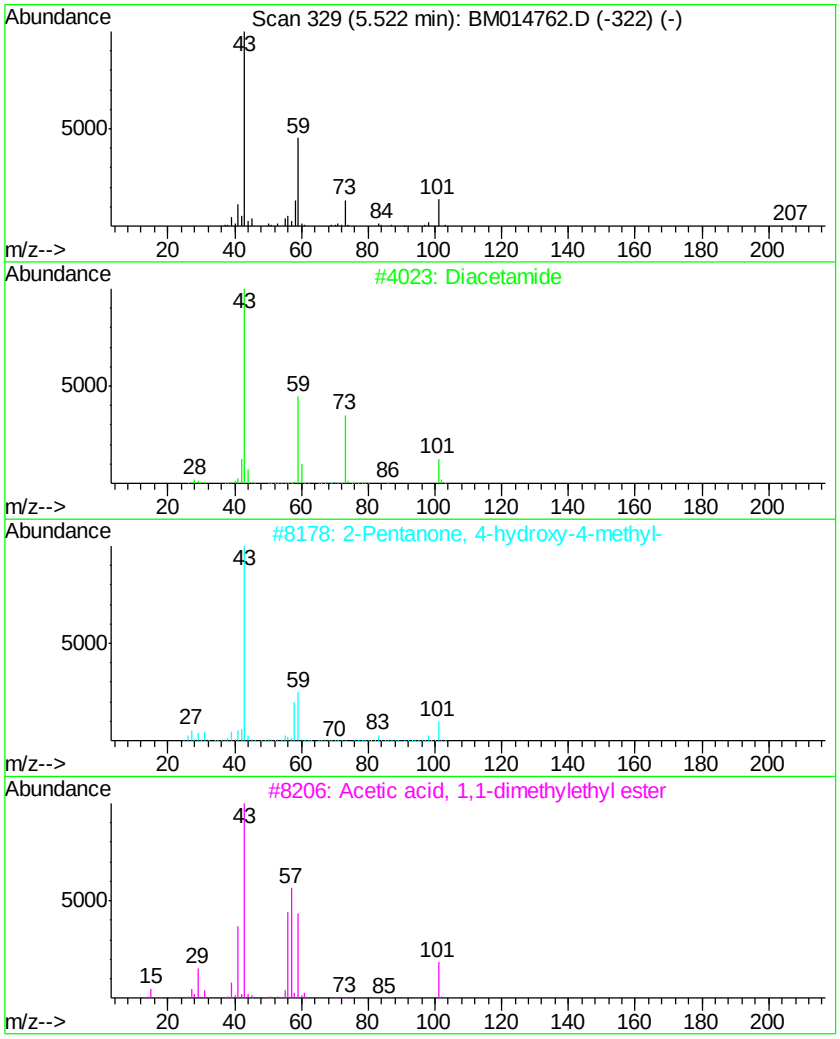
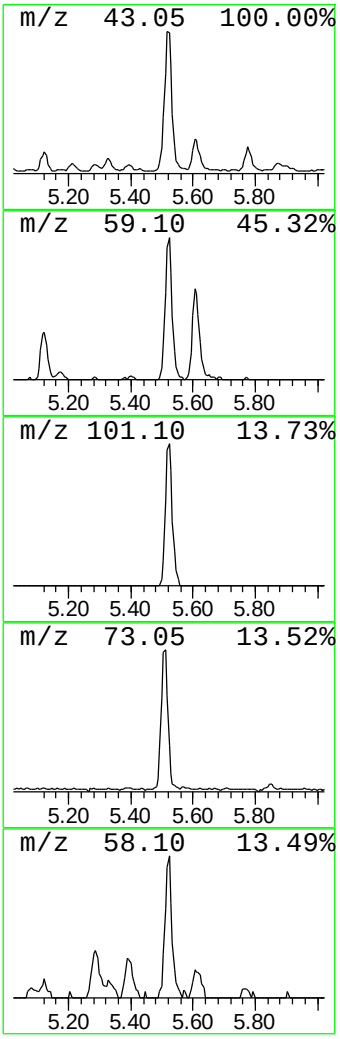
Peak Number 2 Diacetamide Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	2.14 ng/ul	248234	1,4-Dichlorobenzene-d4	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diacetamide	101	C4H7NO2	000625-77-4	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	33
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	33
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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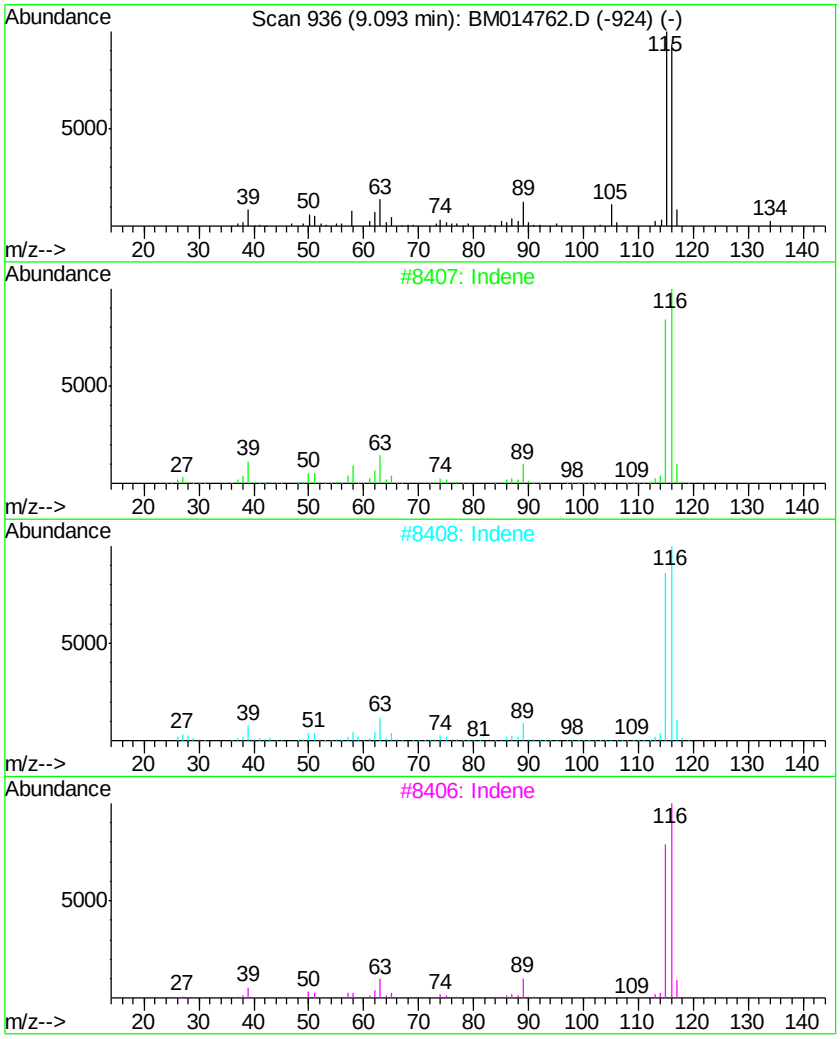
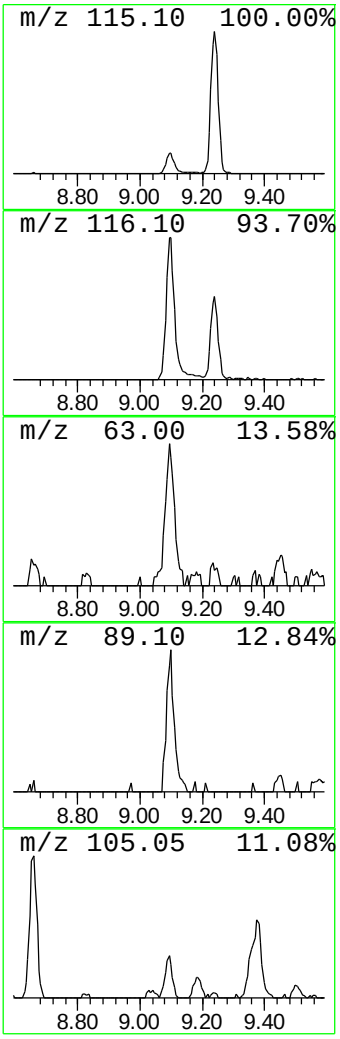
Peak Number 4 Indene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	2.47 ng/ul	286321	1,4-Dichlorobenzene-d4	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
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Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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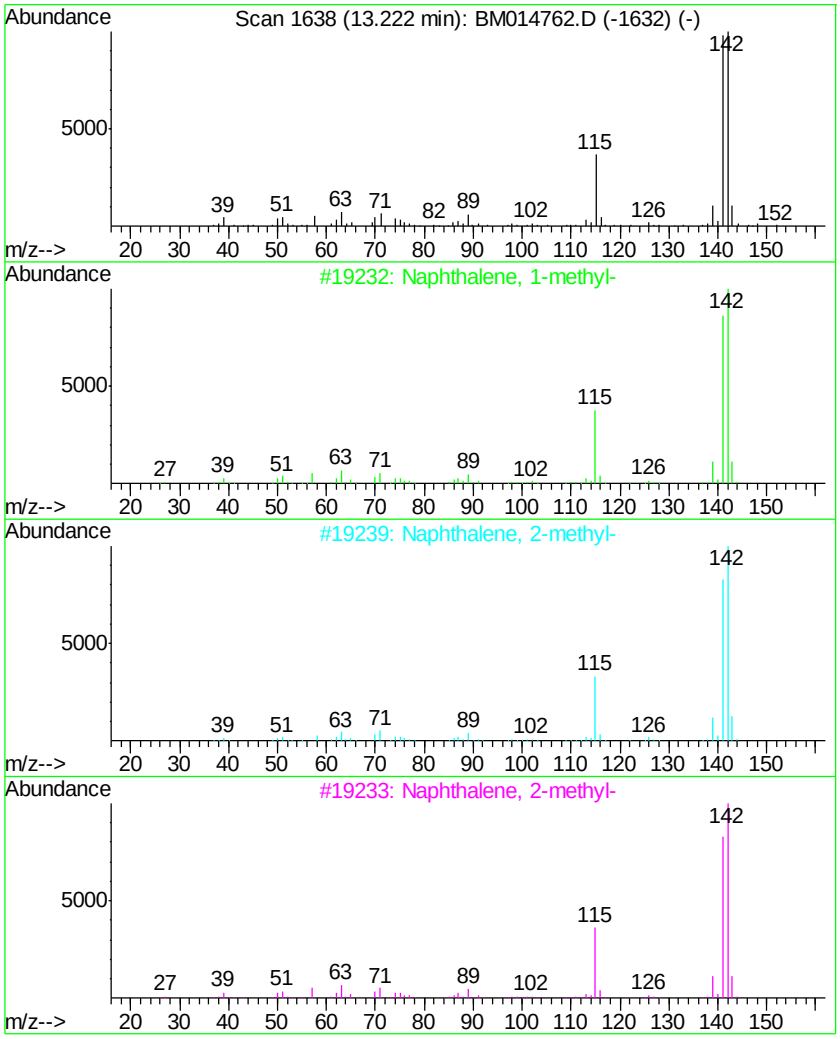
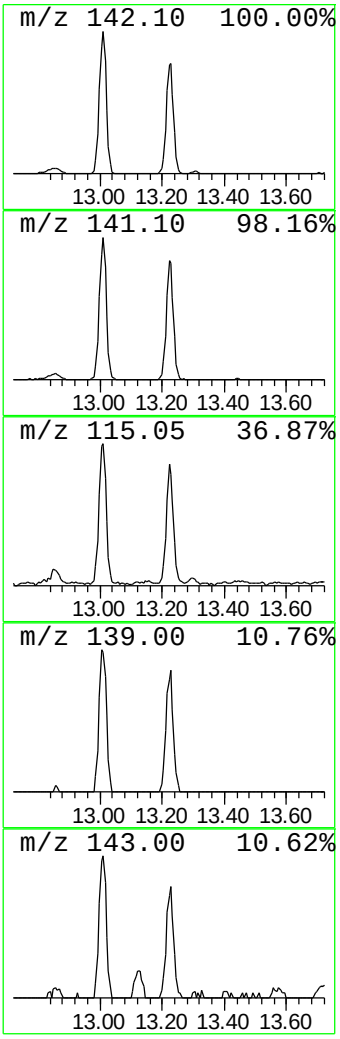
Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.36 ng/ul	374014	Naphthalene-d8	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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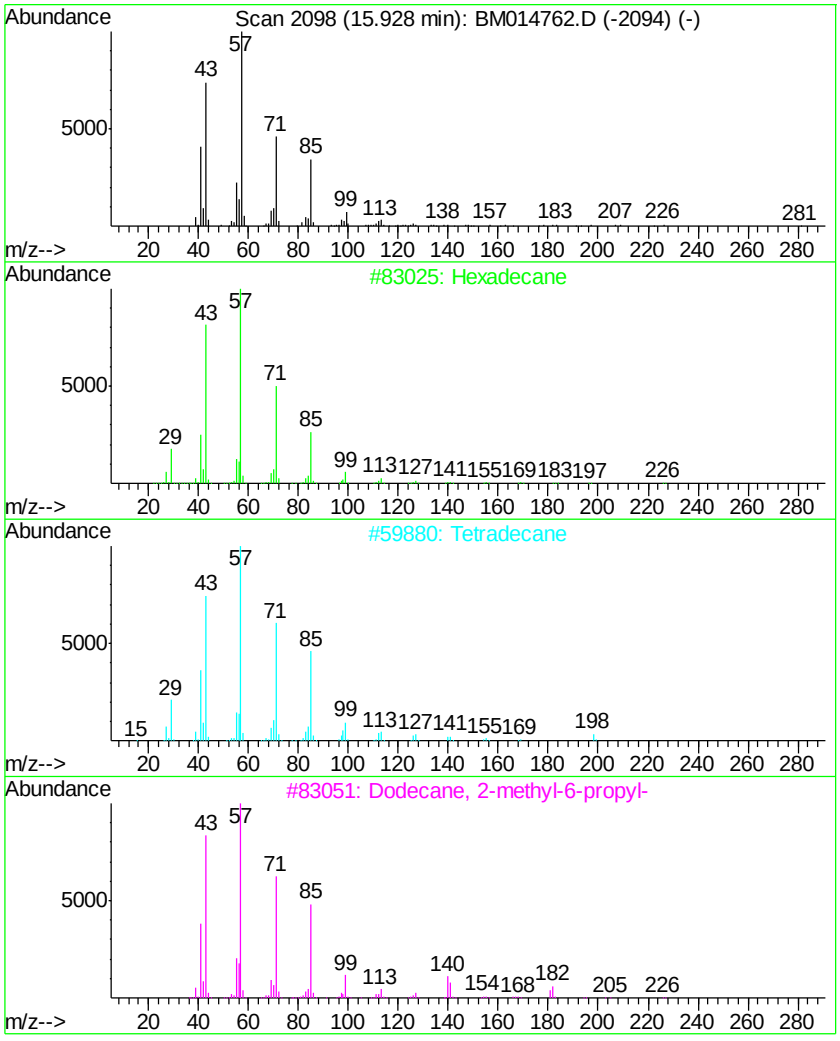
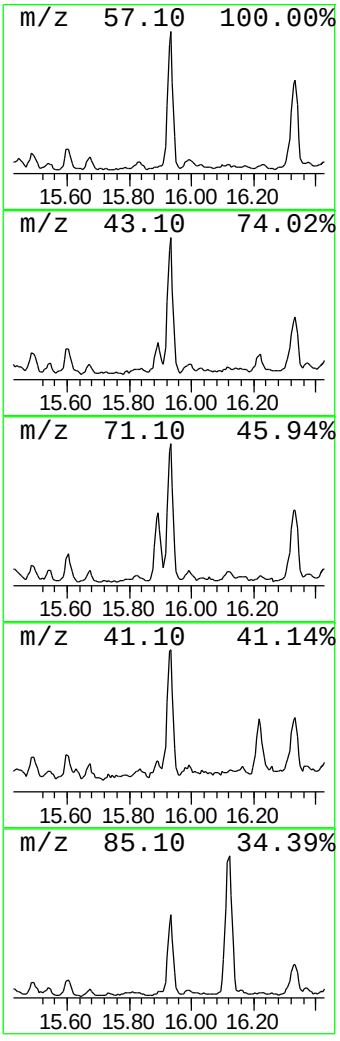
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.79 ng/ul	524888	Acenaphthene-d10	15.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Tetradecane	198	C14H30	000629-59-4	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Decane, 3-methyl-	156	C11H24	013151-34-3	74





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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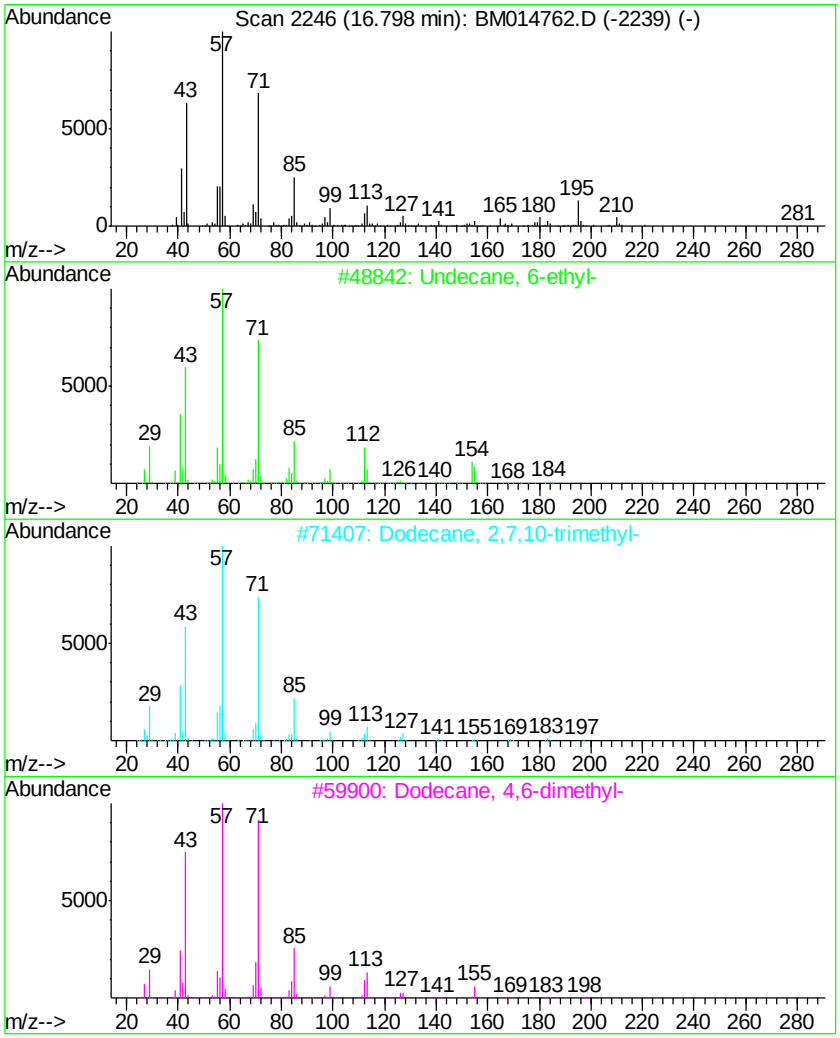
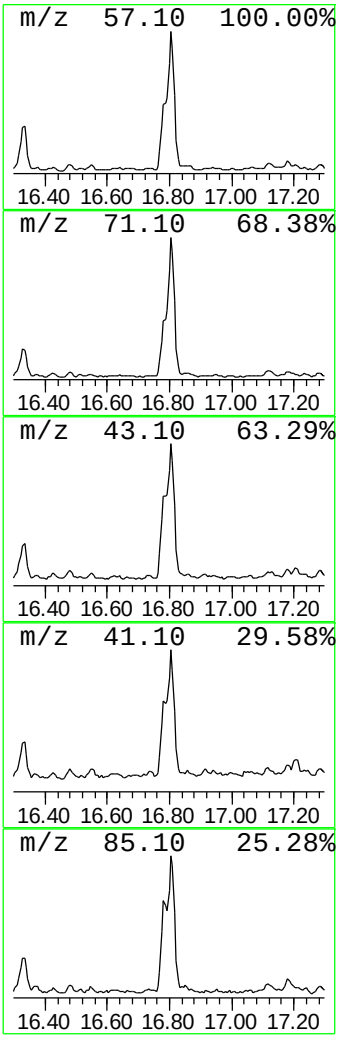
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	5.68 ng/ul	1266400	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	74
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	68





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Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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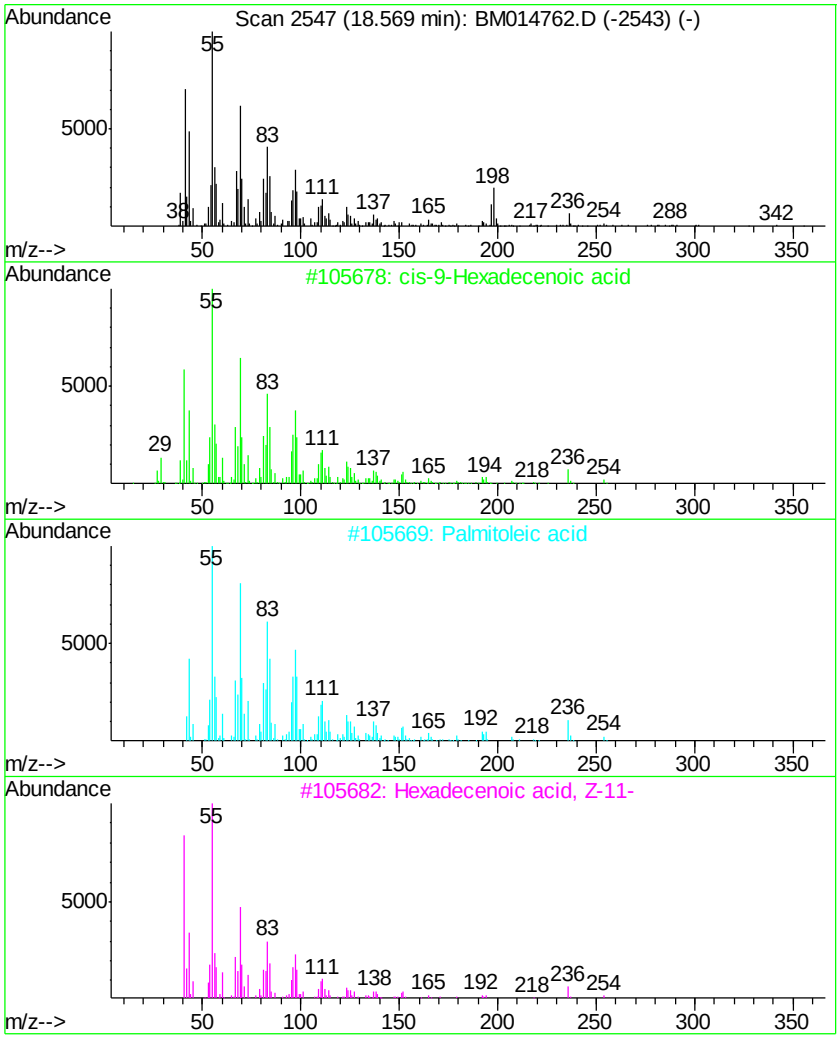
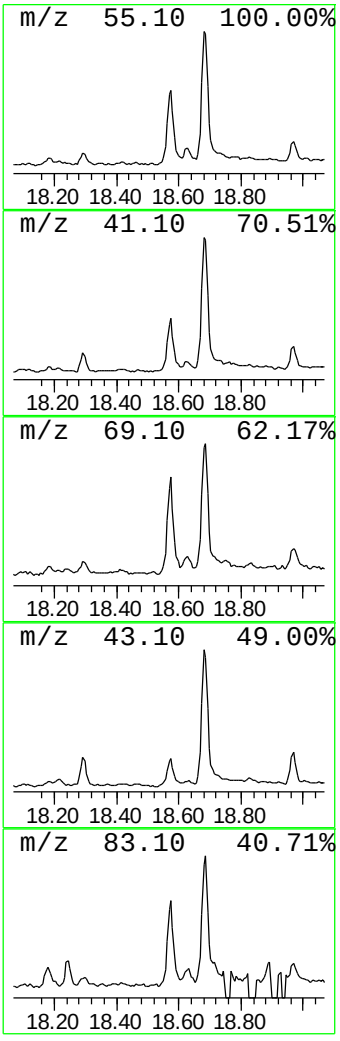
Peak Number 8 cis-9-Hexadecenoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.53 ng/ul	785973	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	99
2	Palmitoleic acid	254	C16H30O2	000373-49-9	95
3	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	94
4	9-Hexadecenoic acid	254	C16H30O2	002091-29-4	87
5	13-Borabicyclo[7.3.0]tridecane, ...	236	C15H29BO	1000156-41-7	86





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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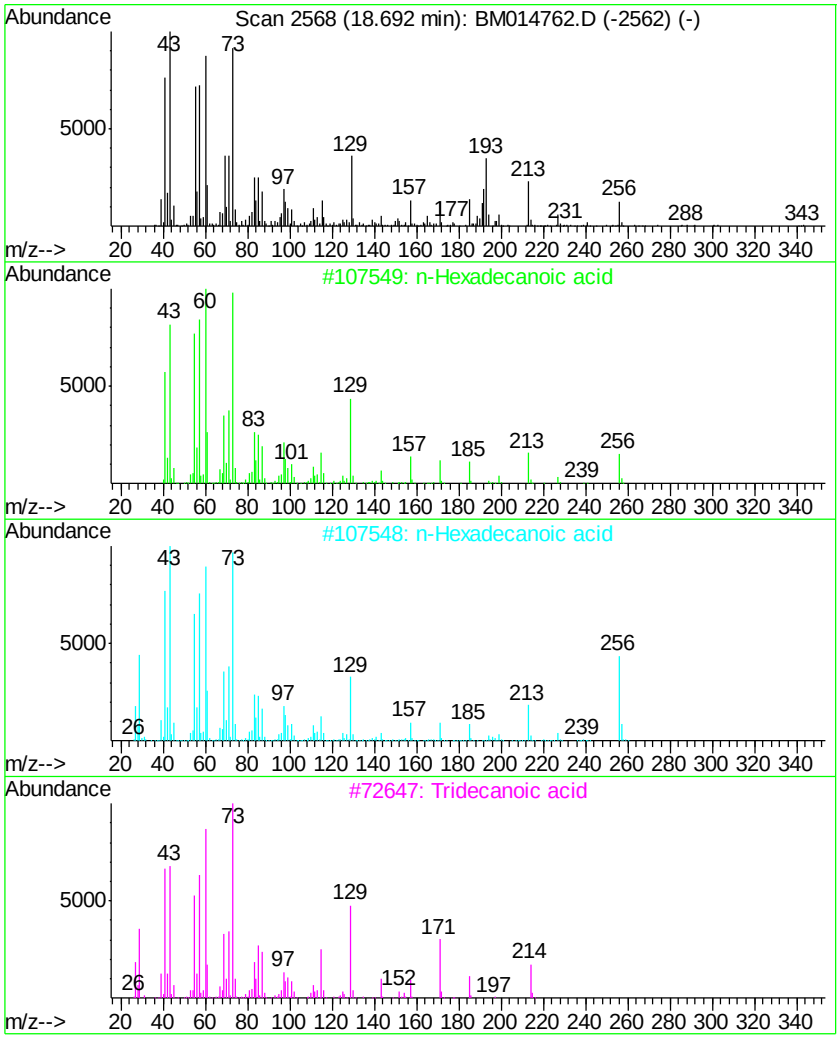
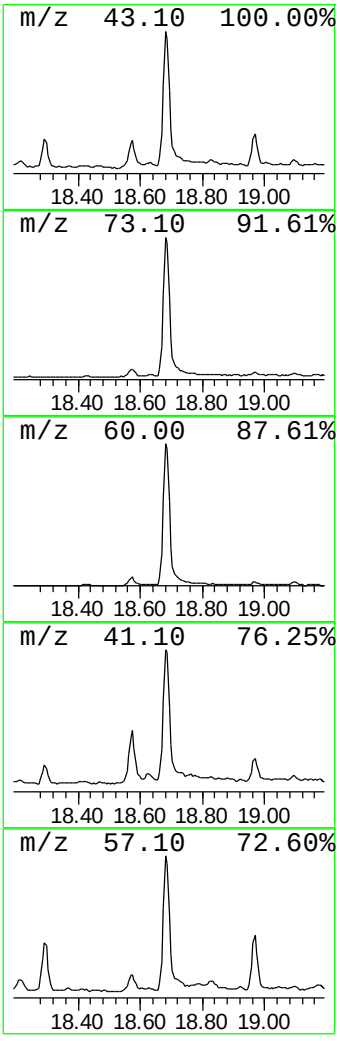
Peak Number 9 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	9.78 ng/ul	2179640	Phenanthrene-d10	17.86

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	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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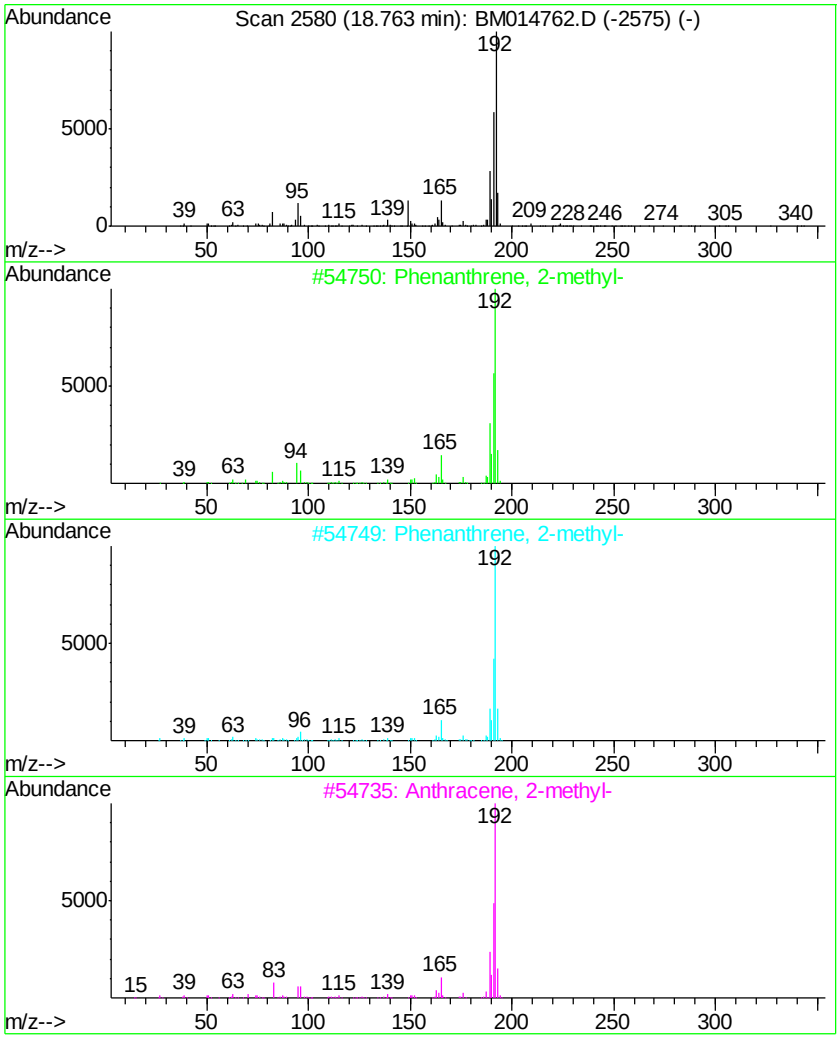
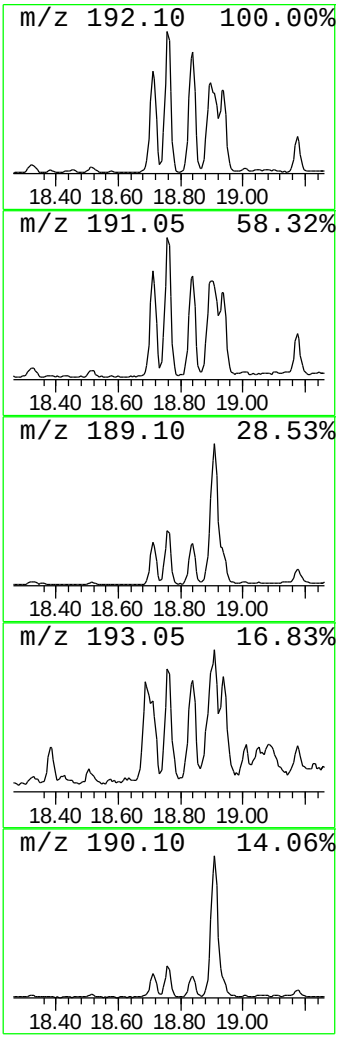
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	3.96 ng/ul	883531	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Instrument : BNA_M
ClientSampleId : C0AC1

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Quant Title : SVOA CALIBRATION

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

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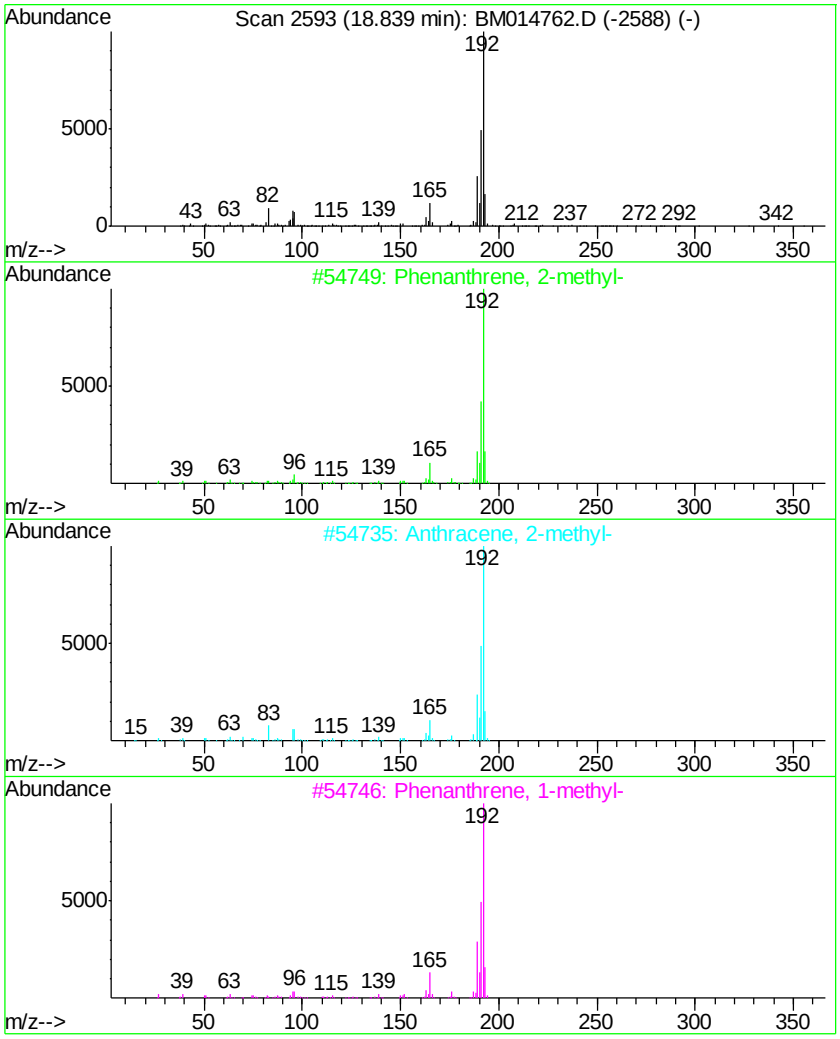
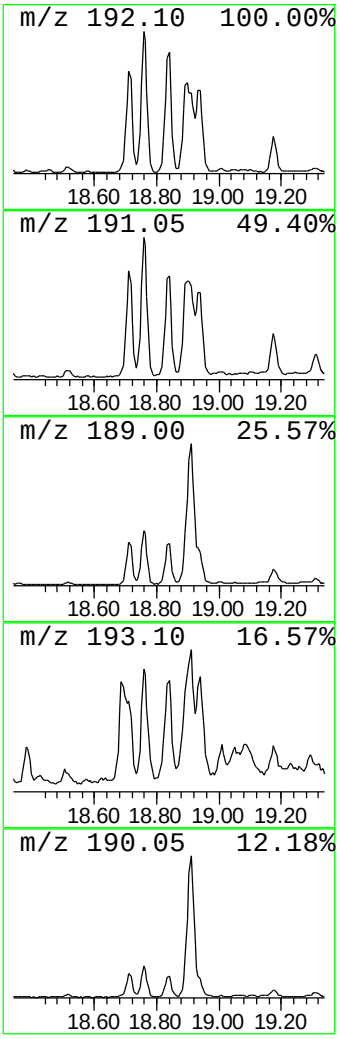
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.87 ng/ul	640126	Phenanthrene-d10	17.86

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





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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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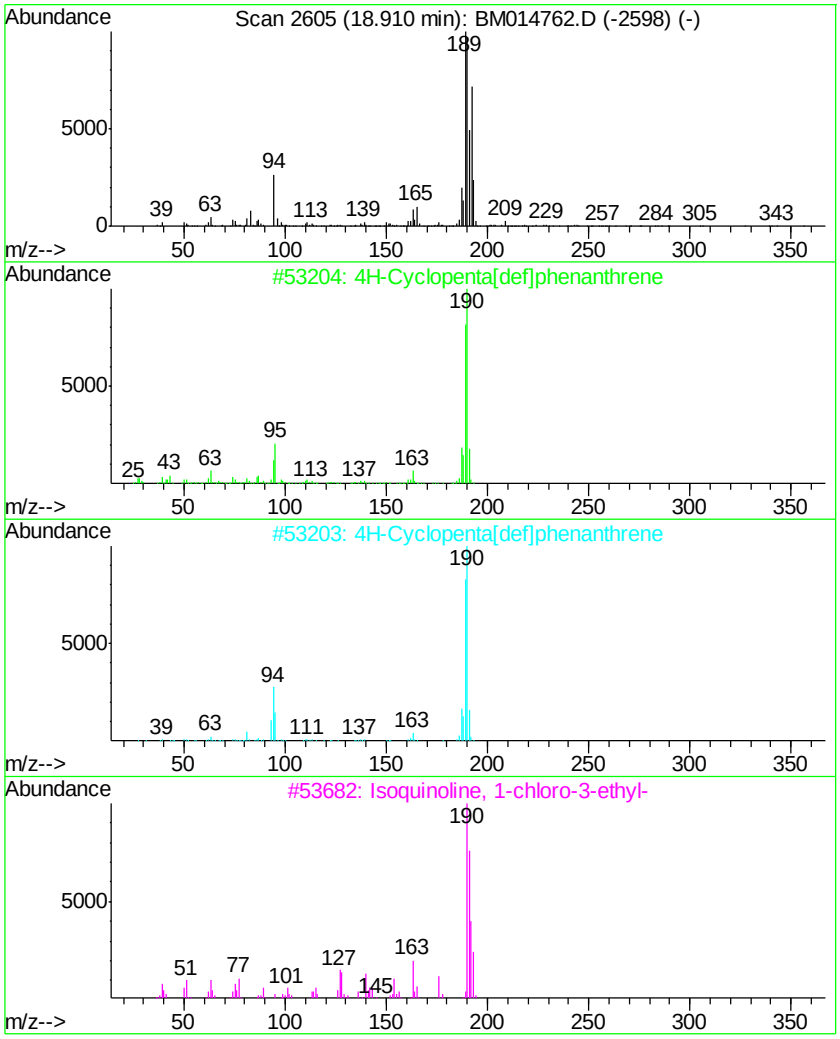
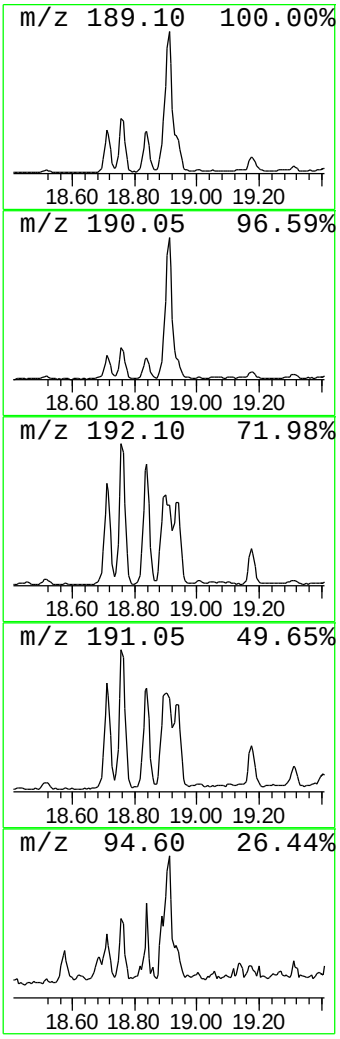
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	6.45 ng/ul	1437870	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	38
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

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Quant Title : SVOA CALIBRATION

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

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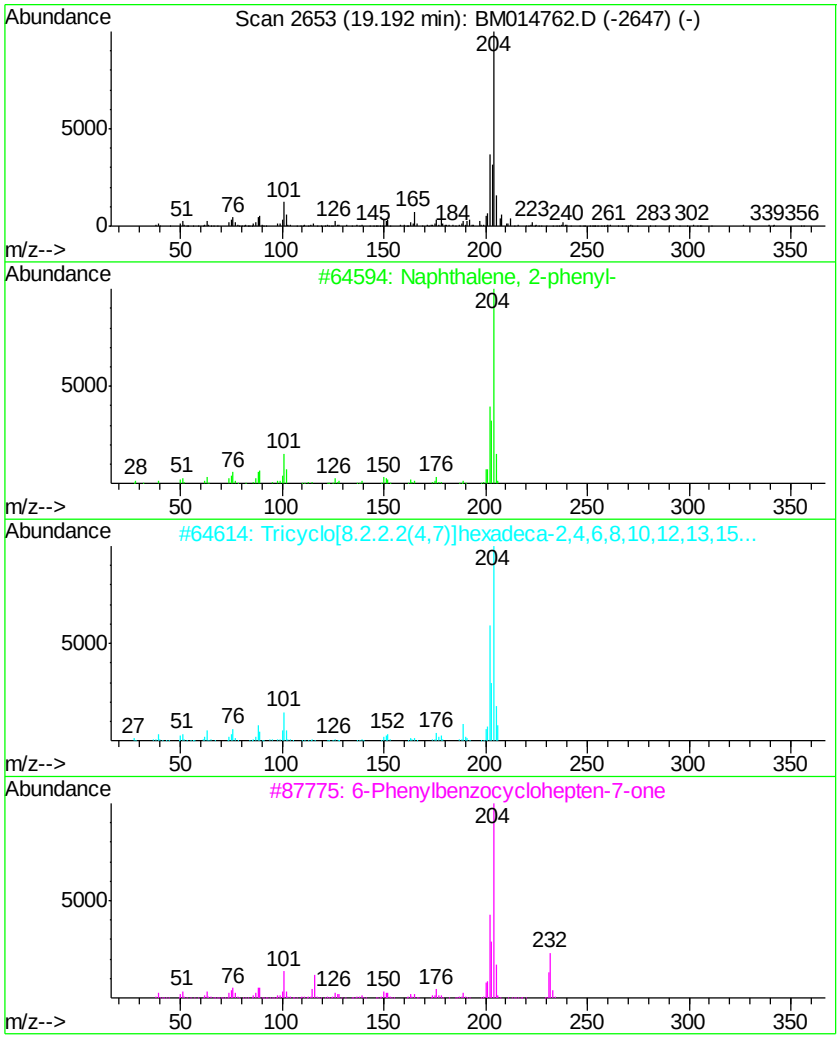
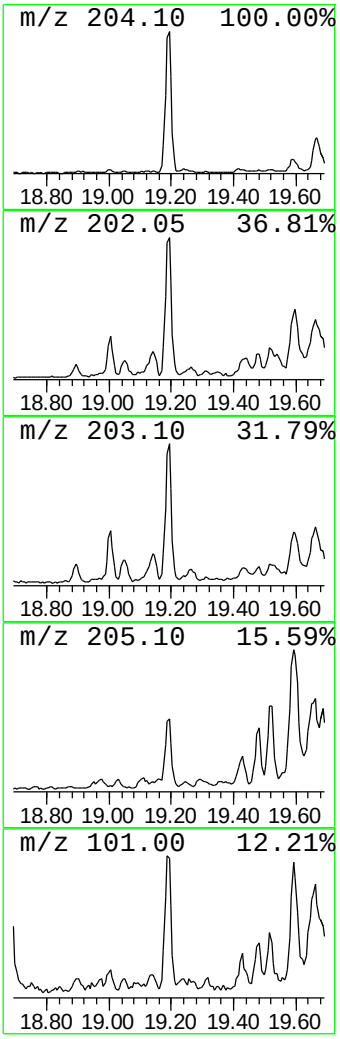
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	2.85 ng/ul	634567	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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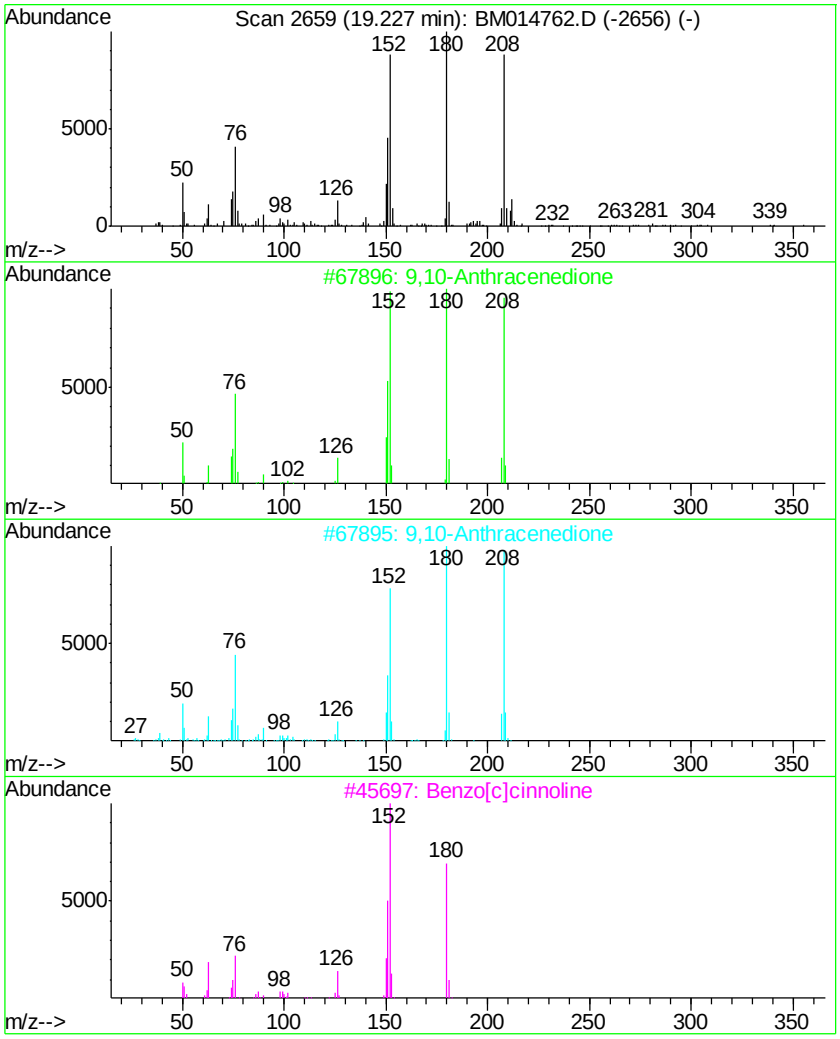
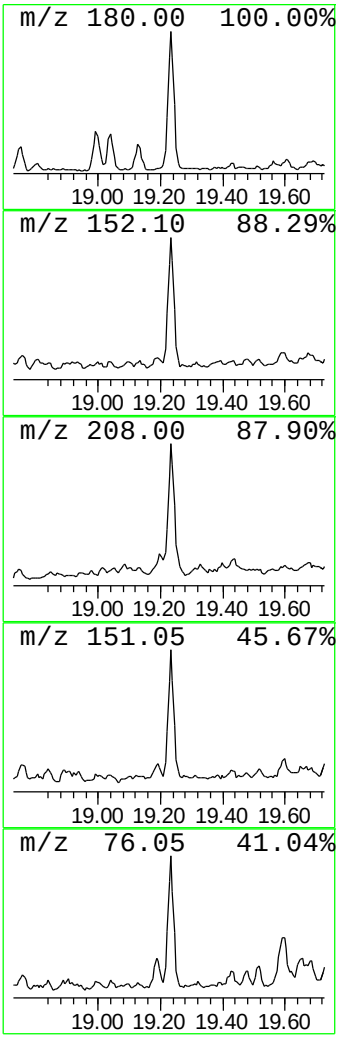
Peak Number 14 9,10-Anthracenedione Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.11 ng/ul	469285	Phenanthrene-d10	17.86

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	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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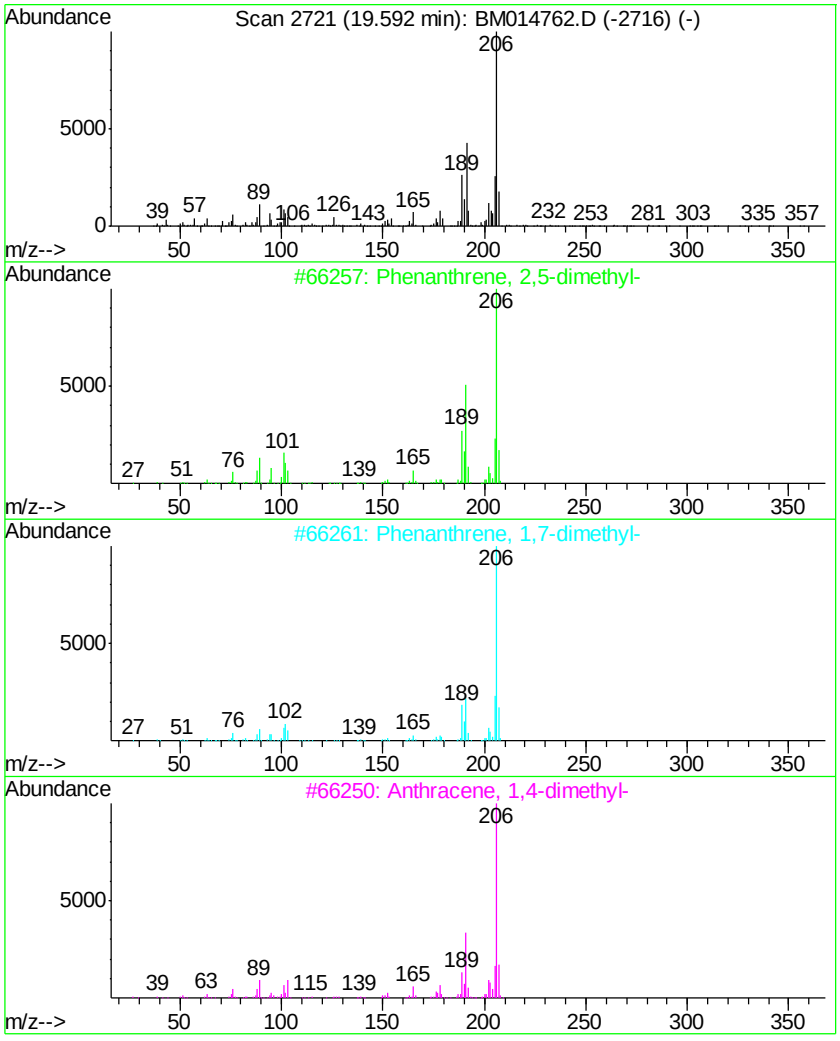
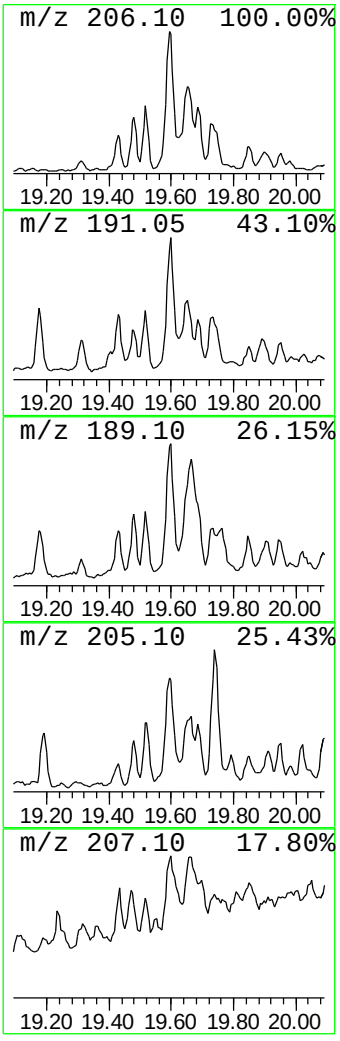
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	5.64 ng/ul	1256770	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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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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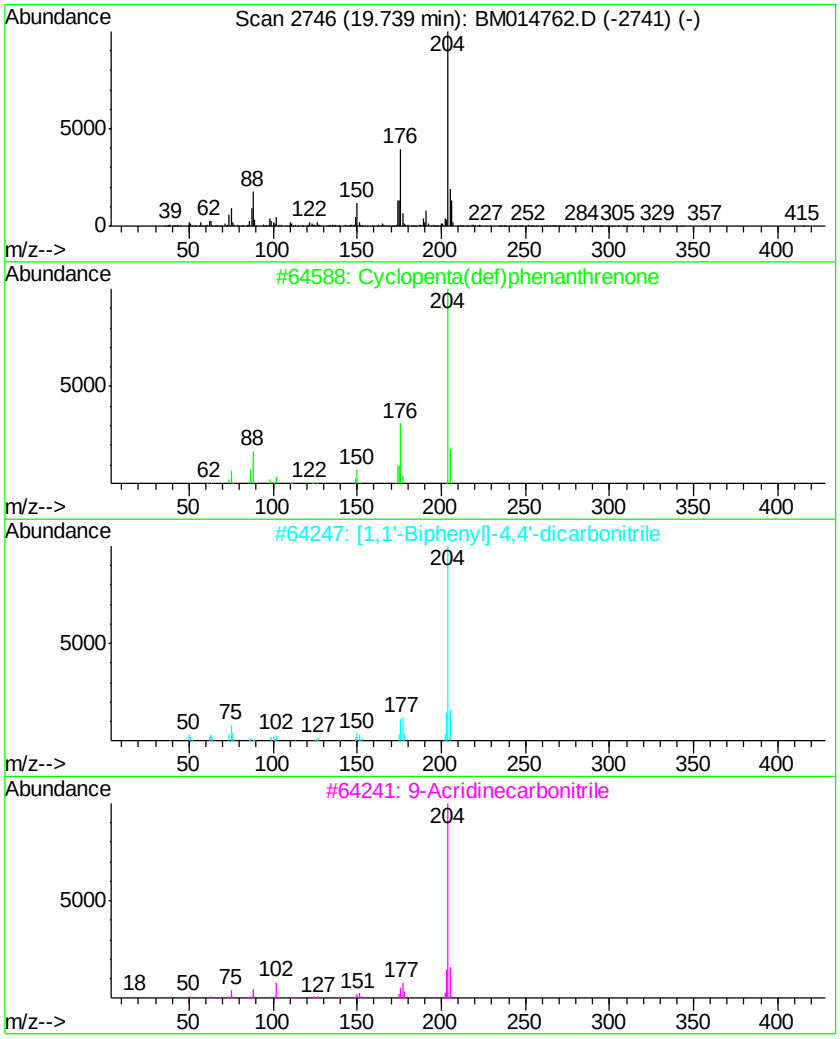
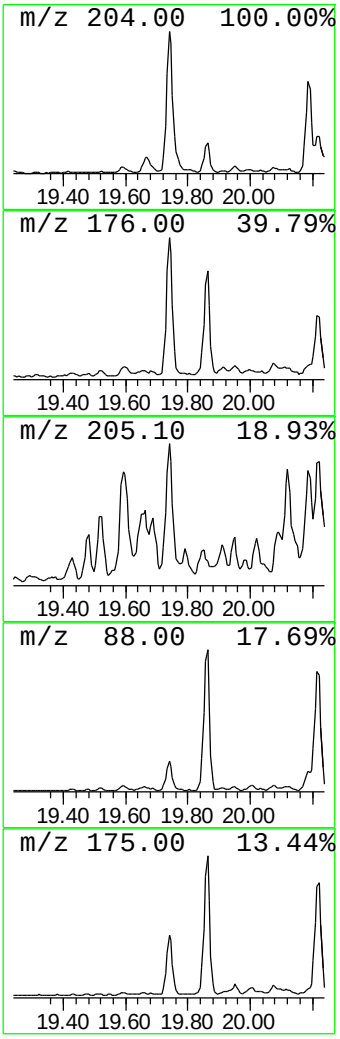
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	6.27 ng/ul	1397200	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Sample : J2434-06
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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 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	3.76 ng/ul	2779000	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
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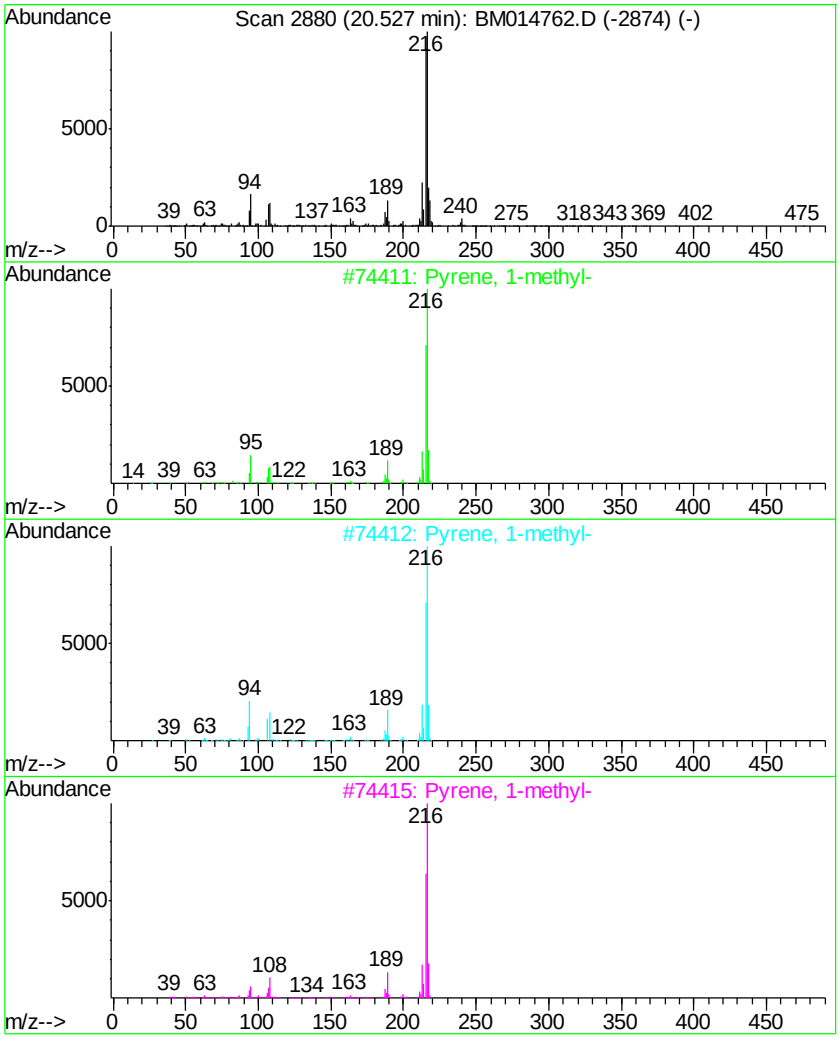

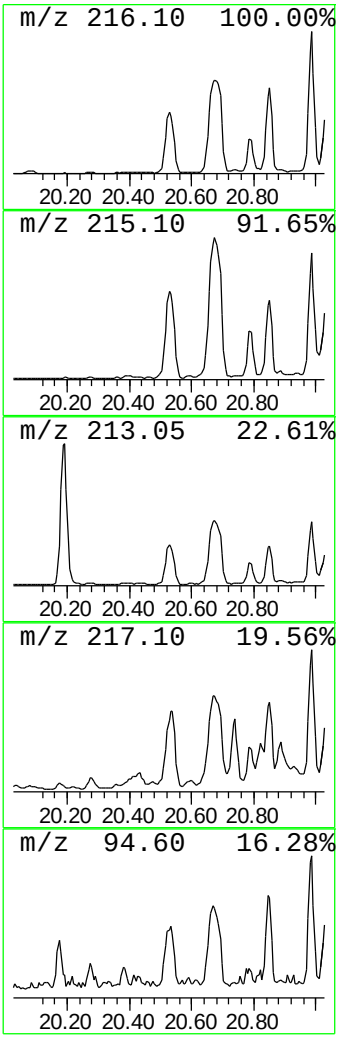

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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

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Quant Title : SVOA CALIBRATION

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

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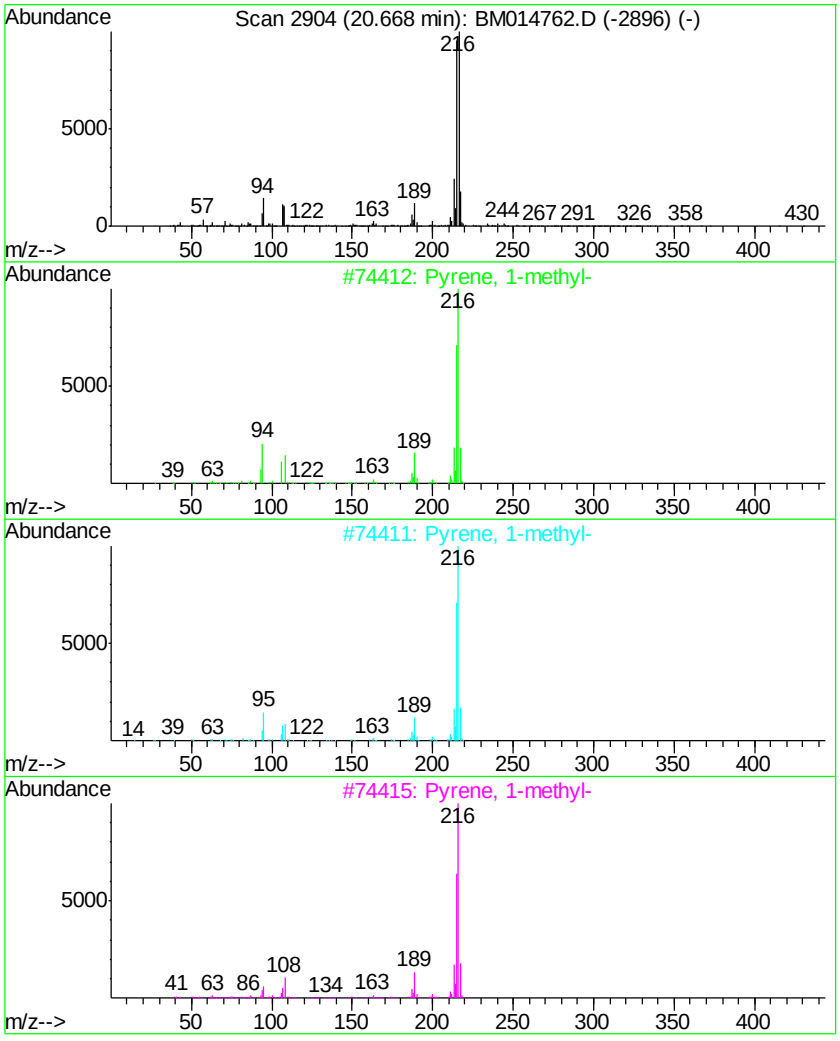
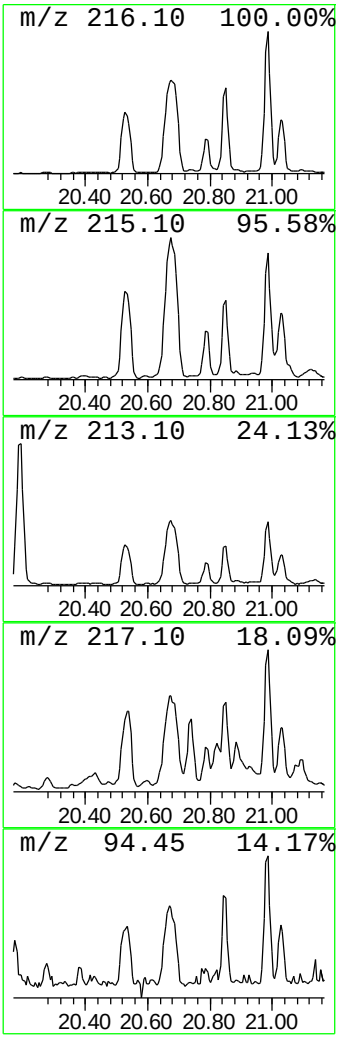
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	6.42 ng/ul	4747550	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

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Quant Title : SVOA CALIBRATION

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

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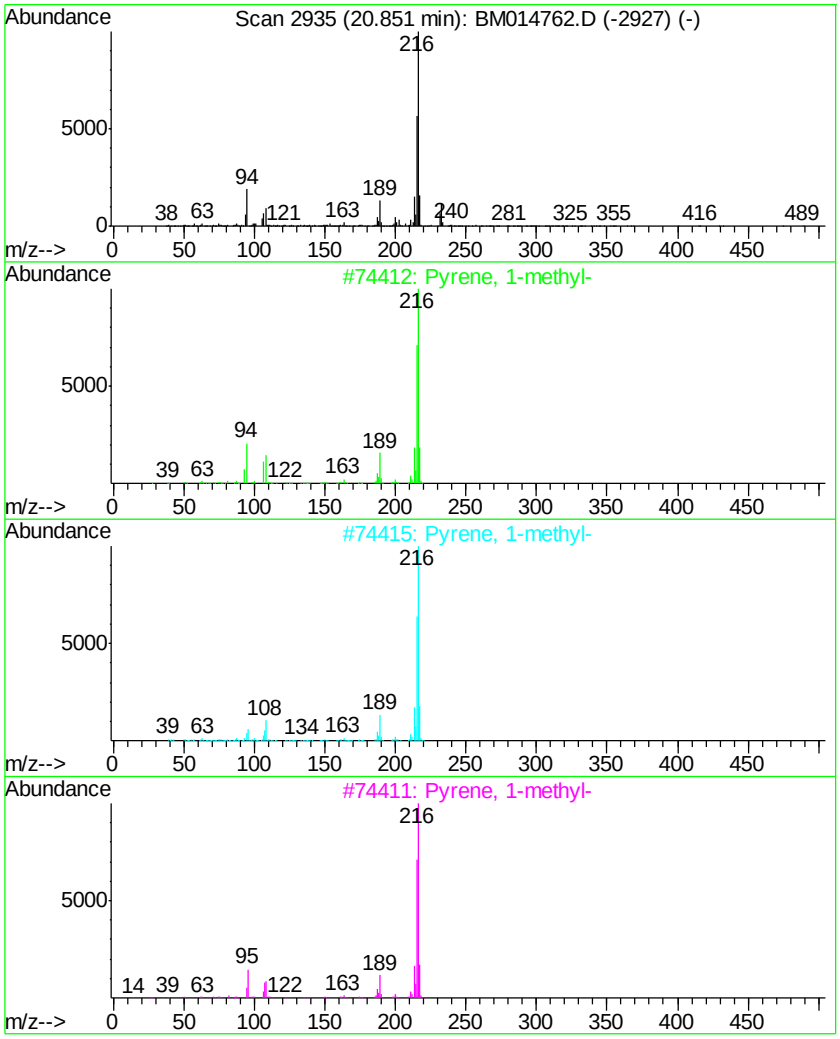
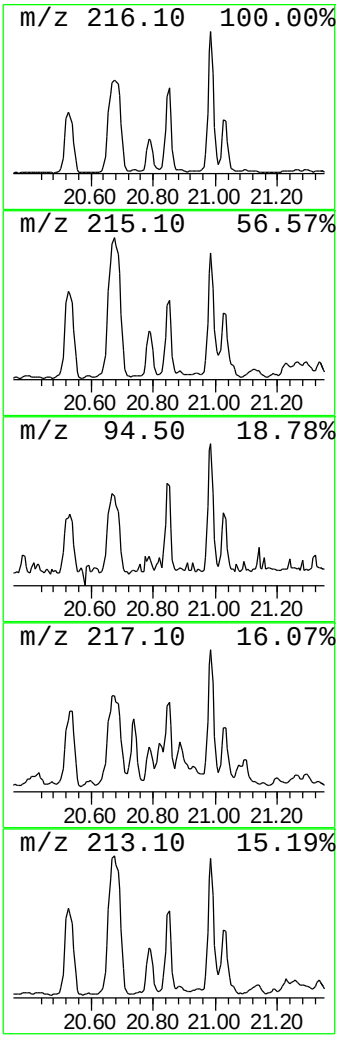
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	3.18 ng/ul	2348330	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

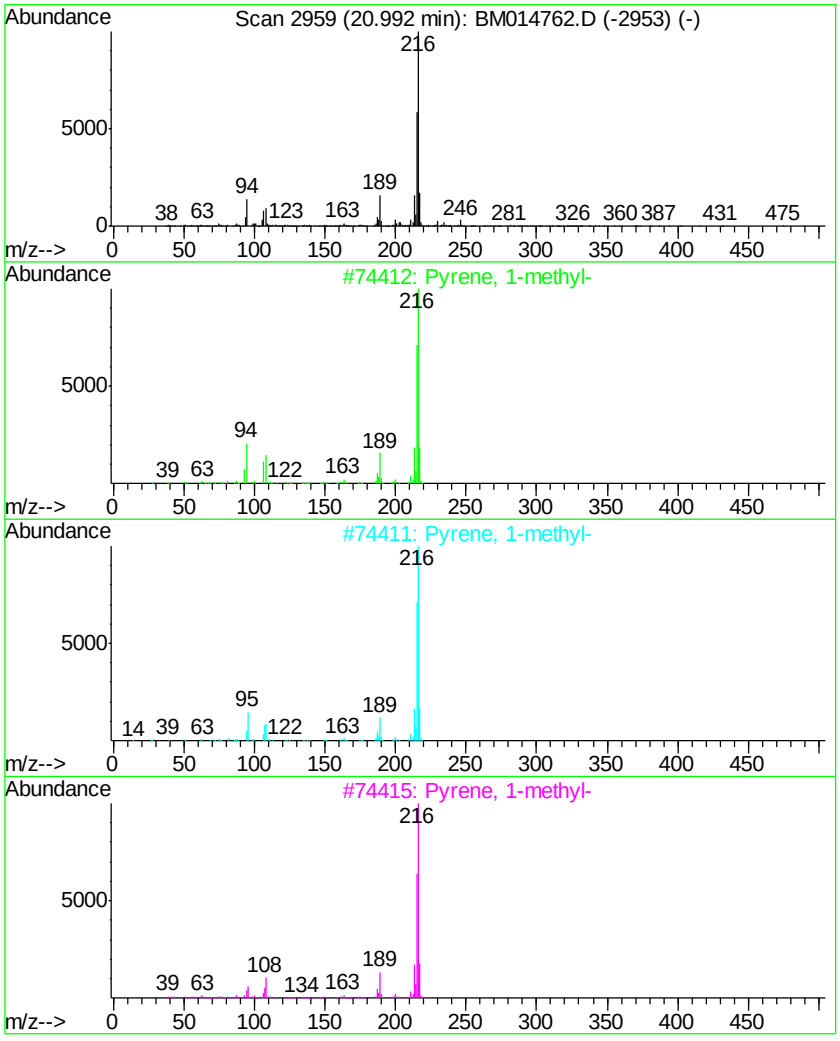
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

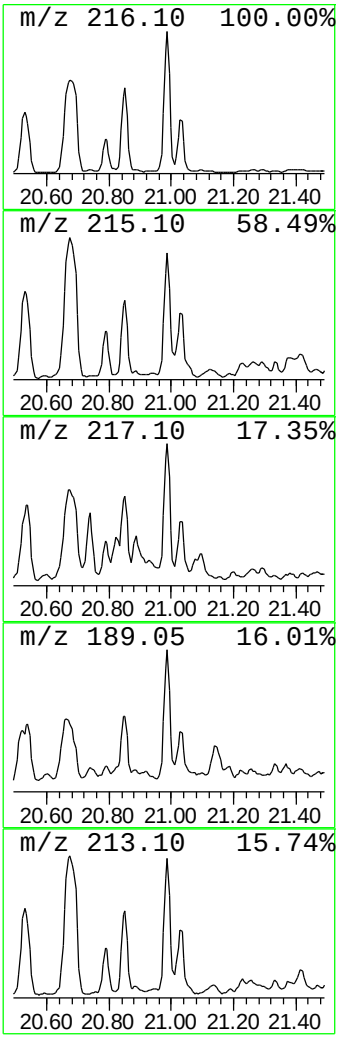
****

Peak Number 20 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	4.20 ng/ul	3106620	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	99
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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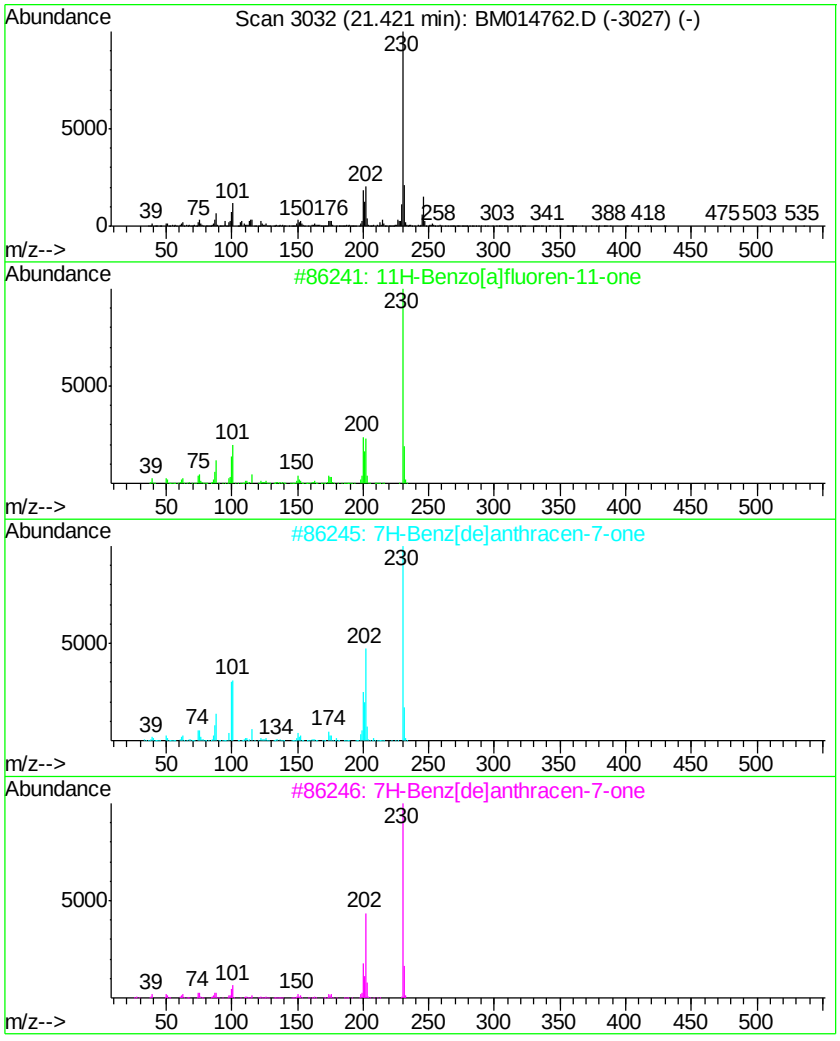
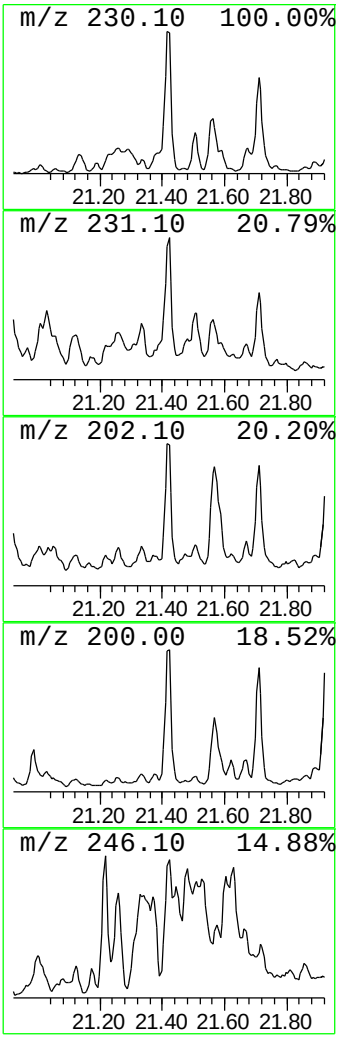
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.98 ng/ul	2202690	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86





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Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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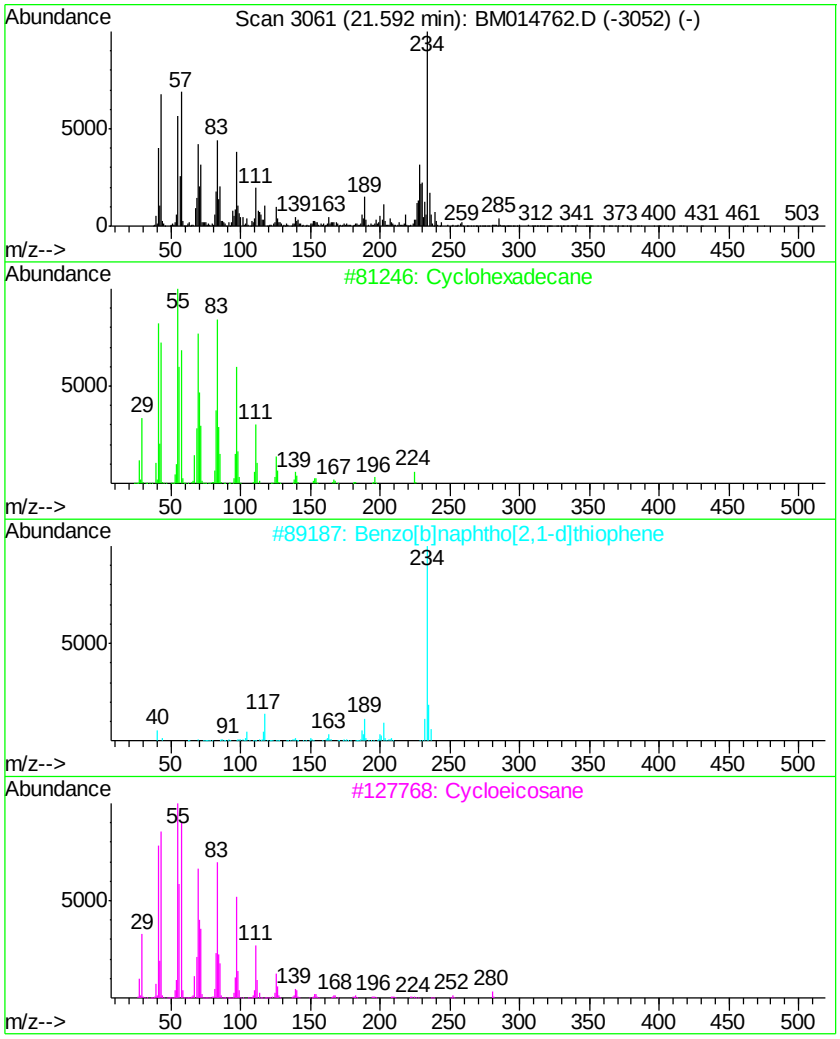
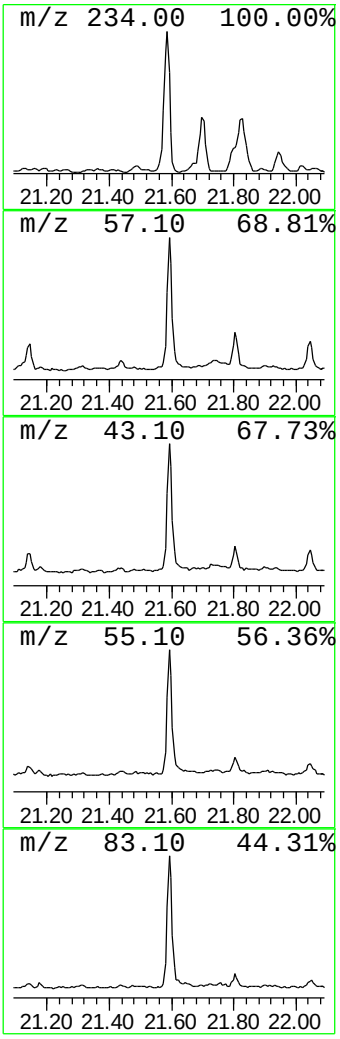
Peak Number 23 (DEL) Alkane: Cyclic21.59 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	6.70 ng/ul	4953380	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	92
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Cycloeicosane	280	C20H40	000296-56-0	78
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	72
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70





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Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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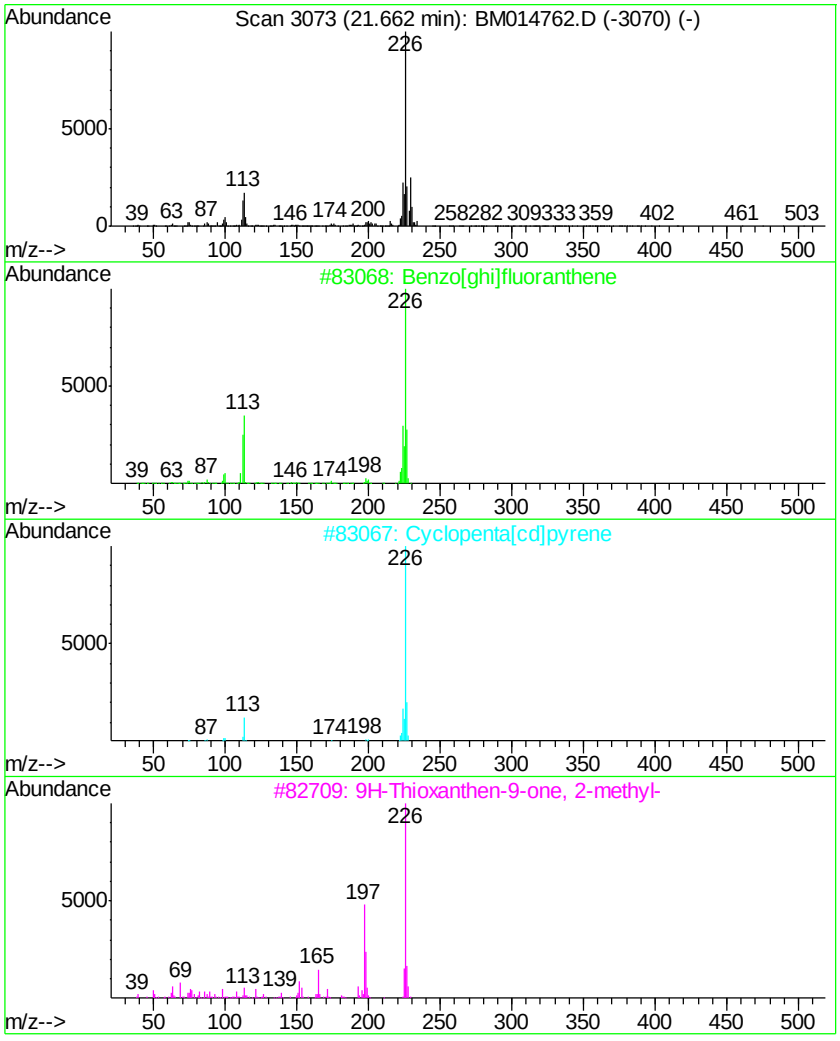
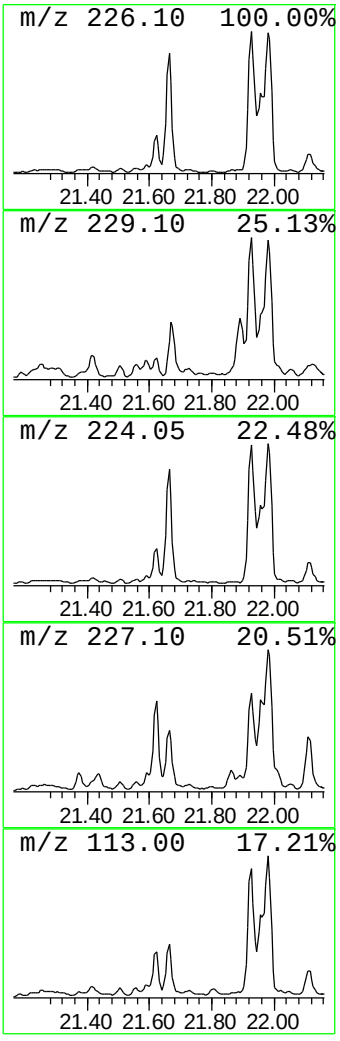
Peak Number 24 Benzo[ghi]fluoranthene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	2.52 ng/ul	1862910	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	86
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	49
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	47
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47





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Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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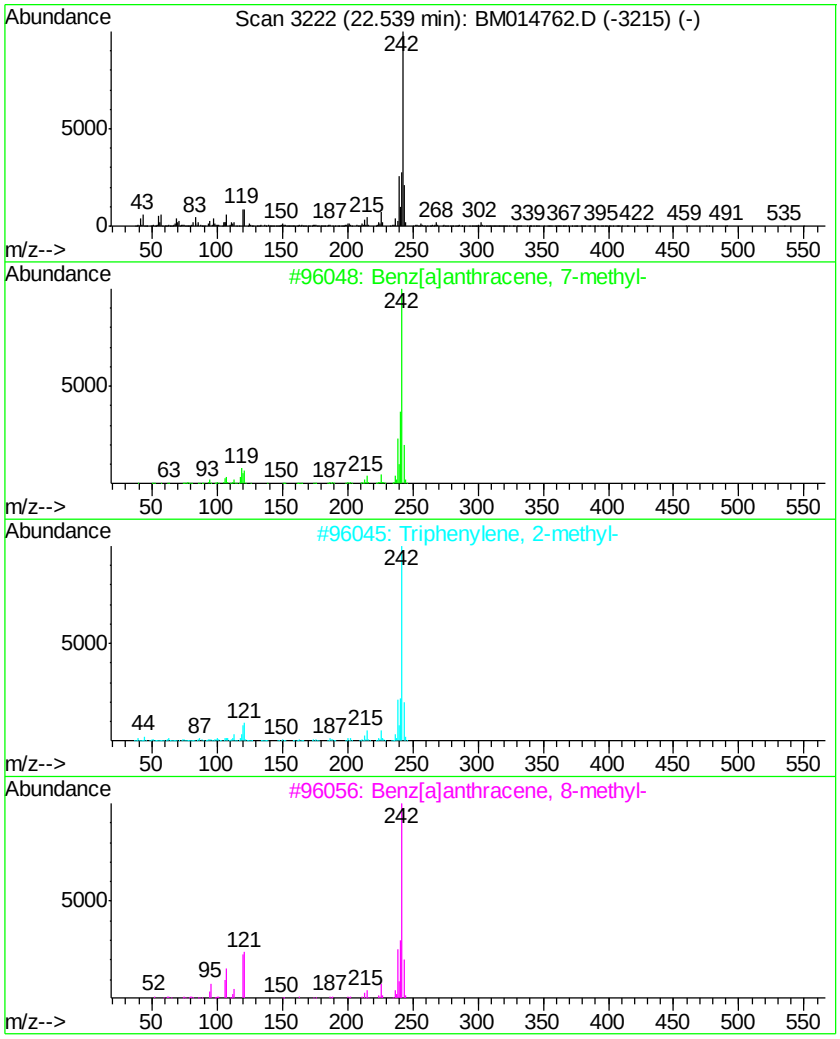
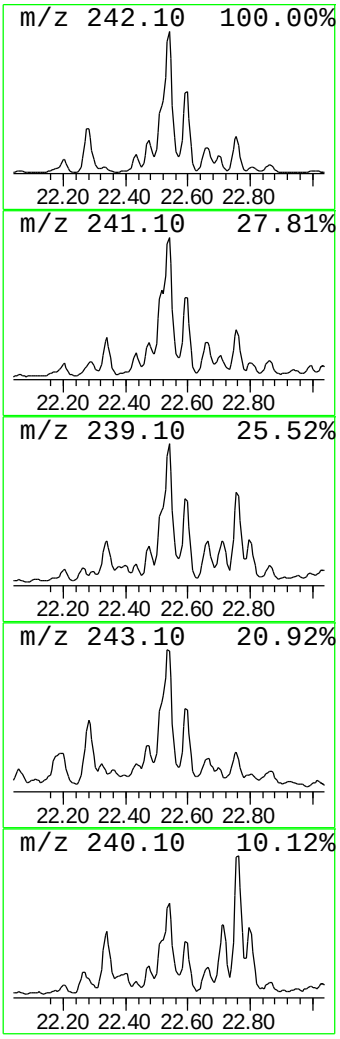
Peak Number 26 Benz[a]anthracene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	5.67 ng/ul	4187600	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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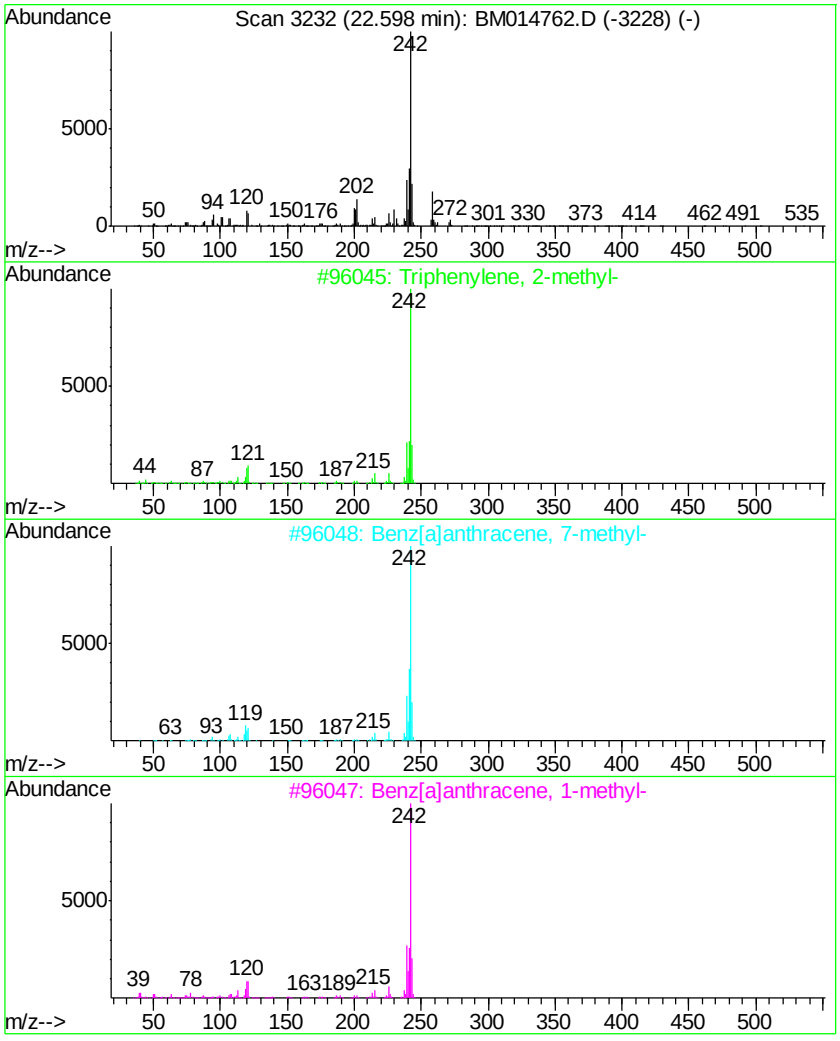
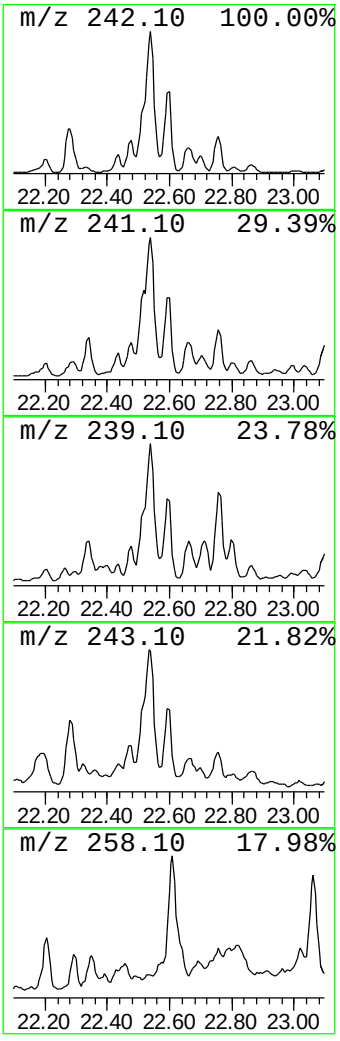
Peak Number 27 Triphenylene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.60	2.74 ng/ul	2026000	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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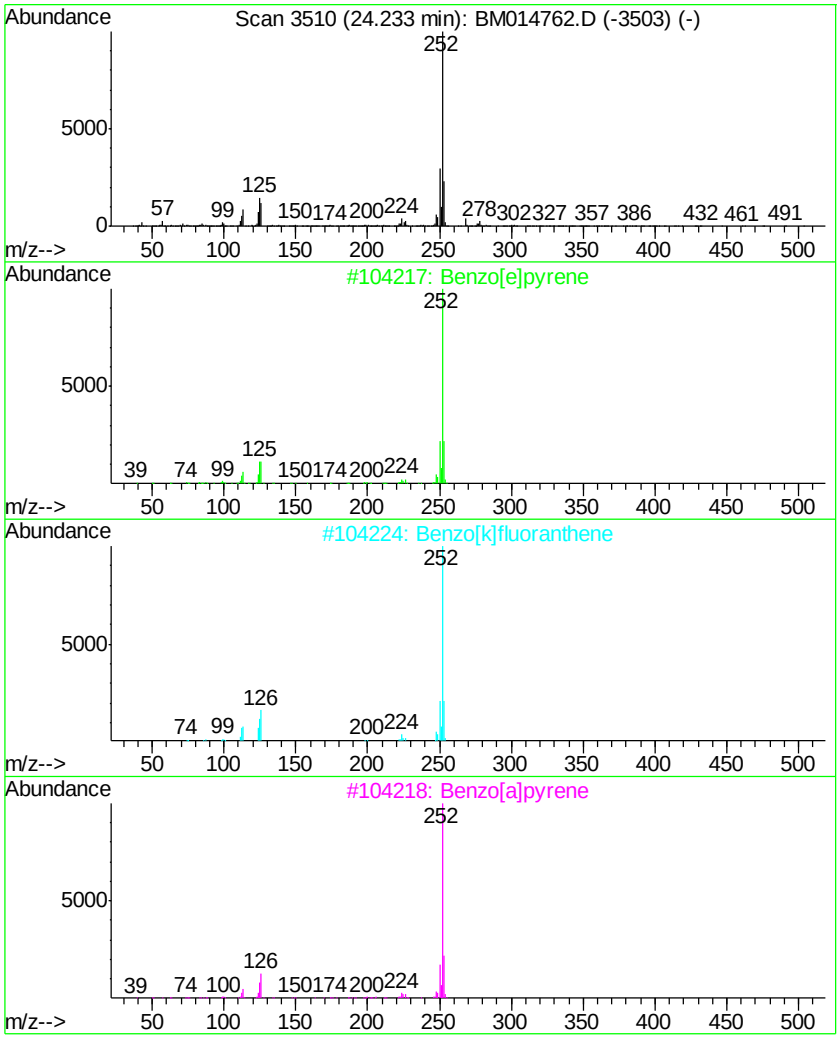
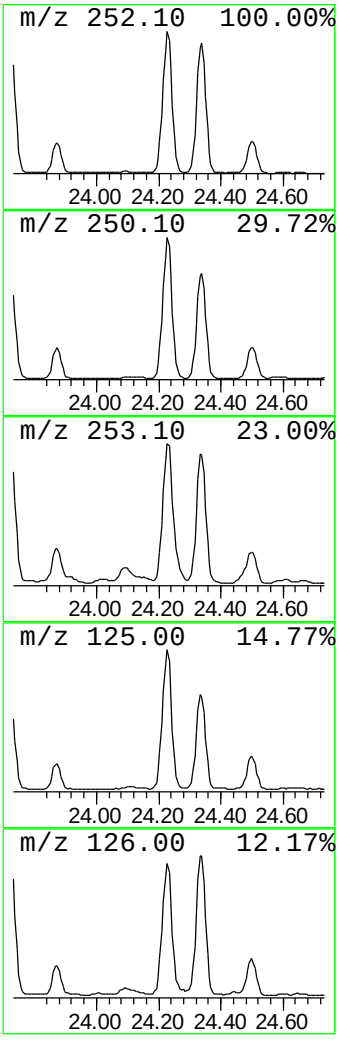
Peak Number 29 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.23	59.14 ng/ul	10781500	Perylene-d12	24.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.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
2H-Pyran, tetrahy...	4.26	4.2	ng/ul	484306	1	8.55	2320010	20.0
Diacetamide	5.52	2.1	ng/ul	248234	1	8.55	2320010	20.0
Indene	9.09	2.5	ng/ul	286321	1	8.55	2320010	20.0
Naphthalene, 1-me...	13.22	2.4	ng/ul	374014	2	11.39	3173470	20.0
(DEL) Alkane: Str...	15.93	2.8	ng/ul	524888	3	15.15	3760730	20.0
(DEL) Alkane: Str...	16.80	5.7	ng/ul	1266400	4	17.86	4456860	20.0
cis-9-Hexadecenoi...	18.57	3.5	ng/ul	785973	4	17.86	4456860	20.0
n-Hexadecanoic acid	18.69	9.8	ng/ul	2179640	4	17.86	4456860	20.0
Phenanthrene, 2-m...	18.76	4.0	ng/ul	883531	4	17.86	4456860	20.0
Anthracene, 2-met...	18.84	2.9	ng/ul	640126	4	17.86	4456860	20.0
4H-Cyclopenta[def...	18.91	6.5	ng/ul	1437870	4	17.86	4456860	20.0
Naphthalene, 2-ph...	19.19	2.9	ng/ul	634567	4	17.86	4456860	20.0
9,10-Anthracenedione	19.23	2.1	ng/ul	469285	4	17.86	4456860	20.0
Phenanthrene, 2,5...	19.59	5.6	ng/ul	1256770	4	17.86	4456860	20.0
Cyclopenta(def)ph...	19.74	6.3	ng/ul	1397200	4	17.86	4456860	20.0
Pyrene, 1-methyl-	20.53	3.8	ng/ul	2779000	5	21.94	14782900	20.0
11H-Benzo[b]fluorene	20.67	6.4	ng/ul	4747550	5	21.94	14782900	20.0
Fluoranthene, 2-m...	20.85	3.2	ng/ul	2348330	5	21.94	14782900	20.0
Pyrene, 4-methyl-	20.99	4.2	ng/ul	3106620	5	21.94	14782900	20.0
11H-Benzo[a]fluor...	21.42	3.0	ng/ul	2202690	5	21.94	14782900	20.0
(DEL) Alkane: Cyc...	21.59	6.7	ng/ul	4953380	5	21.94	14782900	20.0
Benzo[ghi]fluoran...	21.66	2.5	ng/ul	1862910	5	21.94	14782900	20.0
Benz[a]anthracene...	22.54	5.7	ng/ul	4187600	5	21.94	14782900	20.0
Triphenylene, 2-m...	22.60	2.7	ng/ul	2026000	5	21.94	14782900	20.0
Benzo[e]pyrene	24.23	59.1	ng/ul	10781500	6	24.44	3646340	20.0