LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

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-BM011018.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	4.716	288	294	302	rBV	76066	118463	2.58%	0.248%
2	6.763	637	642	647	rBV	62326	123080	2.68%	0.258%
3	6.922	664	669	676	rBV	54577	92888	2.02%	0.194%
4	7.110	694	701	710	rBV2	85570	159399	3.47%	0.334%
5	7.569	773	779	792	rBV	407523	734689	15.98%	1.538%
6	8.298	897	903	913	rBV4	72257	182104	3.96%	0.381%
7	8.734	971	977	984	rBV2	73901	156636	3.41%	0.328%
8	9.451	1093	1099	1111	rBV4	63636	139087	3.02%	0.291%
9	9.992	1184	1191	1207	rBV5	74740	208454	4.53%	0.436%
10	10.339	1239	1250	1255	rBV	577696	1029463	22.39%	2.154%
11	10.392	1255	1259	1268	rVB	319944	550374	11.97%	1.152%
12	10.510	1274	1279	1291	rBV5	63138	143078	3.11%	0.299%
13	11.192	1389	1395	1404	rBV2	109597	241101	5.24%	0.505%
14	11.775	1488	1494	1498	rBV2	43843	70995	1.54%	0.149%
15	11.892	1507	1514	1522	rBV5	32692	79939	1.74%	0.167%
16	12.016	1525	1535	1543	rBV	352614	599770	13.04%	1.255%
17	12.163	1551	1560	1565	rBV4	43961	103928	2.26%	0.217%
18	12.233	1566	1572	1579	rVV	223326	373100	8.11%	0.781%
19	12.780	1660	1665	1675	rVB4	38087	91758	2.00%	0.192%
20	13.039	1704	1709	1720	rVB4	128575	260224	5.66%	0.545%
21	13.245	1739	1744	1747	rBV3	48603	77563	1.69%	0.162%
22	13.380	1760	1767	1778	rVB5	76748	218190	4.74%	0.457%
23	13.539	1787	1794	1799	rBV2	139122	261989	5.70%	0.548%
24	13.592	1799	1803	1807	rVV3	87255	157379	3.42%	0.329%
25	13.639	1807	1811	1816	rVV	223334	328814	7.15%	0.688%
26	13.698	1816	1821	1827	rVB3	94103	160757	3.50%	0.336%
27	13.910	1851	1857	1861	rBV	264602	415946	9.05%	0.870%
28	14.127	1889	1894	1899	rBV	158042	211772	4.61%	0.443%
29	14.222	1901	1910	1916	rVV2	924773	1787907	38.88%	3.742%
30	14.286	1916	1921	1930	rVV	422486	654328	14.23%	1.369%
31	14.374	1931	1936	1942	rVV4	49765	85598	1.86%	0.179%
32	14.627	1974	1979	1988	rVB	645469	1018555	22.15%	2.132%
33	14.763	1996	2002	2005	rVB5	51760	86514	1.88%	0.181%
34	14.845	2012	2016	2021	rBV7	42990	78044	1.70%	0.163%

LSC Area Percent Report

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Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

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-BM011018.M
Title : SVOA CALIBRATION

35	15.004	2037	2043	2048	rBV10	37493	83554	1.82%	0.175%
36	15.086	2052	2057	2061	rVB	186708	253018	5.50%	0.530%
37	15.222	2075	2080	2085	rBV2	332375	476708	10.37%	0.998%
38	15.280	2085	2090	2095	rBV	301781	453158	9.85%	0.948%
39	15.380	2102	2107	2109	rBV5	62339	107250	2.33%	0.224%
40	15.445	2114	2118	2121	rVV3	45778	70221	1.53%	0.147%
41	15.486	2121	2125	2129	rVV3	70774	118072	2.57%	0.247%
42	15.574	2136	2140	2149	rBV2	156159	338726	7.37%	0.709%
43	15.692	2153	2160	2163	rVV	534168	721595	15.69%	1.510%
44	15.721	2163	2165	2173	rVB	152510	275799	6.00%	0.577%
45	15.951	2195	2204	2211	rBV3	228080	563224	12.25%	1.179%
46	16.016	2211	2215	2221	rVB	279539	393195	8.55%	0.823%
47	16.516	2293	2300	2303	rBV6	52896	105980	2.30%	0.222%
48	16.557	2303	2307	2310	rVV3	58456	77816	1.69%	0.163%
49	16.633	2312	2320	2329	rVB2	851609	1376019	29.92%	2.880%
50	16.739	2329	2338	2344	rBV6	233534	569484	12.38%	1.192%
51	16.792	2344	2347	2355	rVB	265598	393810	8.56%	0.824%
52	16.880	2357	2362	2366	rBV2	129943	217927	4.74%	0.456%
53	16.974	2371	2378	2381	rBV	1176058	1679548	36.52%	3.515%
54	17.015	2381	2385	2391	rVV	3225397	4598424	100.00%	9.623%
55	17.074	2391	2395	2397	rVV	472967	651717	14.17%	1.364%
56	17.110	2397	2401	2409	rVV	1187530	1773899	38.58%	3.712%
57	17.198	2410	2416	2425	rVB3	186708	351396	7.64%	0.735%
58	17.392	2441	2449	2459	rVB2	321745	721352	15.69%	1.510%
59	17.480	2460	2464	2471	rBV2	171243	309046	6.72%	0.647%
60	17.568	2475	2479	2486	rVB10	73578	131500	2.86%	0.275%
61	17.763	2508	2512	2519	rVB8	65163	121140	2.63%	0.254%
62	17.851	2522	2527	2531	rBV	201587	317571	6.91%	0.665%
63	17.904	2531	2536	2541	rVB	285680	450272	9.79%	0.942%
64	17.951	2541	2544	2548	rBV	165485	222586	4.84%	0.466%
65	17.986	2548	2550	2555	rVB2	87540	105861	2.30%	0.222%
66	18.045	2555	2560	2565	rBV2	282397	521758	11.35%	1.092%
67	18.174	2578	2582	2586	rBV	146475	165433	3.60%	0.346%
68	18.362	2609	2614	2618	rBV	172966	247722	5.39%	0.518%
69	18.415	2618	2623	2630	rVB	104041	171376	3.73%	0.359%
70	18.610	2652	2656	2662	rBV8	39818	70873	1.54%	0.148%
71	18.674	2663	2667	2670	rBV4	60021	82557	1.80%	0.173%

LSC Area Percent Report

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Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

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-BM011018.M
Title : SVOA CALIBRATION

72	18.780	2679	2685	2687	rBV6	69093	109904	2.39%	0.230%
73	18.815	2687	2691	2694	rVB2	112102	144232	3.14%	0.302%
74	18.927	2705	2710	2714	rBV	200028	306045	6.66%	0.640%
75	19.045	2724	2730	2736	rBV	3140770	4093945	89.03%	8.568%
76	19.145	2744	2747	2753	rVB	62351	92107	2.00%	0.193%
77	19.286	2762	2771	2776	rBV2	103094	212530	4.62%	0.445%
78	19.380	2781	2787	2788	rBV	888031	1116091	24.27%	2.336%
79	19.409	2788	2792	2801	rVV	2119800	3090587	67.21%	6.468%
80	19.486	2801	2805	2812	rVB2	84607	136522	2.97%	0.286%
81	19.598	2820	2824	2829	rVB	99327	133819	2.91%	0.280%
82	19.662	2831	2835	2839	rBV2	80210	123270	2.68%	0.258%
83	19.721	2839	2845	2855	rVB3	163030	368208	8.01%	0.771%
84	19.886	2867	2873	2874	rBV4	76506	141810	3.08%	0.297%
85	19.915	2874	2878	2880	rBV	68825	77011	1.67%	0.161%
86	20.015	2891	2895	2898	rBV	78851	102800	2.24%	0.215%
87	20.068	2900	2904	2908	rVB3	83479	140330	3.05%	0.294%
88	20.256	2932	2936	2939	rBV5	55226	76457	1.66%	0.160%
89	20.433	2963	2966	2969	rVB2	63060	72780	1.58%	0.152%
90	20.668	3002	3006	3010	rBV2	133622	171208	3.72%	0.358%
91	20.827	3030	3033	3036	rBV2	64861	82118	1.79%	0.172%
92	20.862	3036	3039	3042	rVV	92137	110415	2.40%	0.231%
93	20.898	3042	3045	3053	rVV2	165603	296966	6.46%	0.621%
94	20.962	3053	3056	3061	rVB2	107607	149639	3.25%	0.313%
95	21.180	3086	3093	3097	rBV2	1739643	2789312	60.66%	5.837%
96	21.215	3097	3099	3107	rVB	331699	388394	8.45%	0.813%
97	21.333	3116	3119	3123	rVB5	81998	101457	2.21%	0.212%
98	22.709	3351	3353	3359	rVB3	98297	152232	3.31%	0.319%
99	23.221	3435	3440	3446	rBV2	377900	749465	16.30%	1.568%
100	23.362	3457	3464	3472	rVB	1057739	1962260	42.67%	4.107%

Sum of corrected areas: 47783387

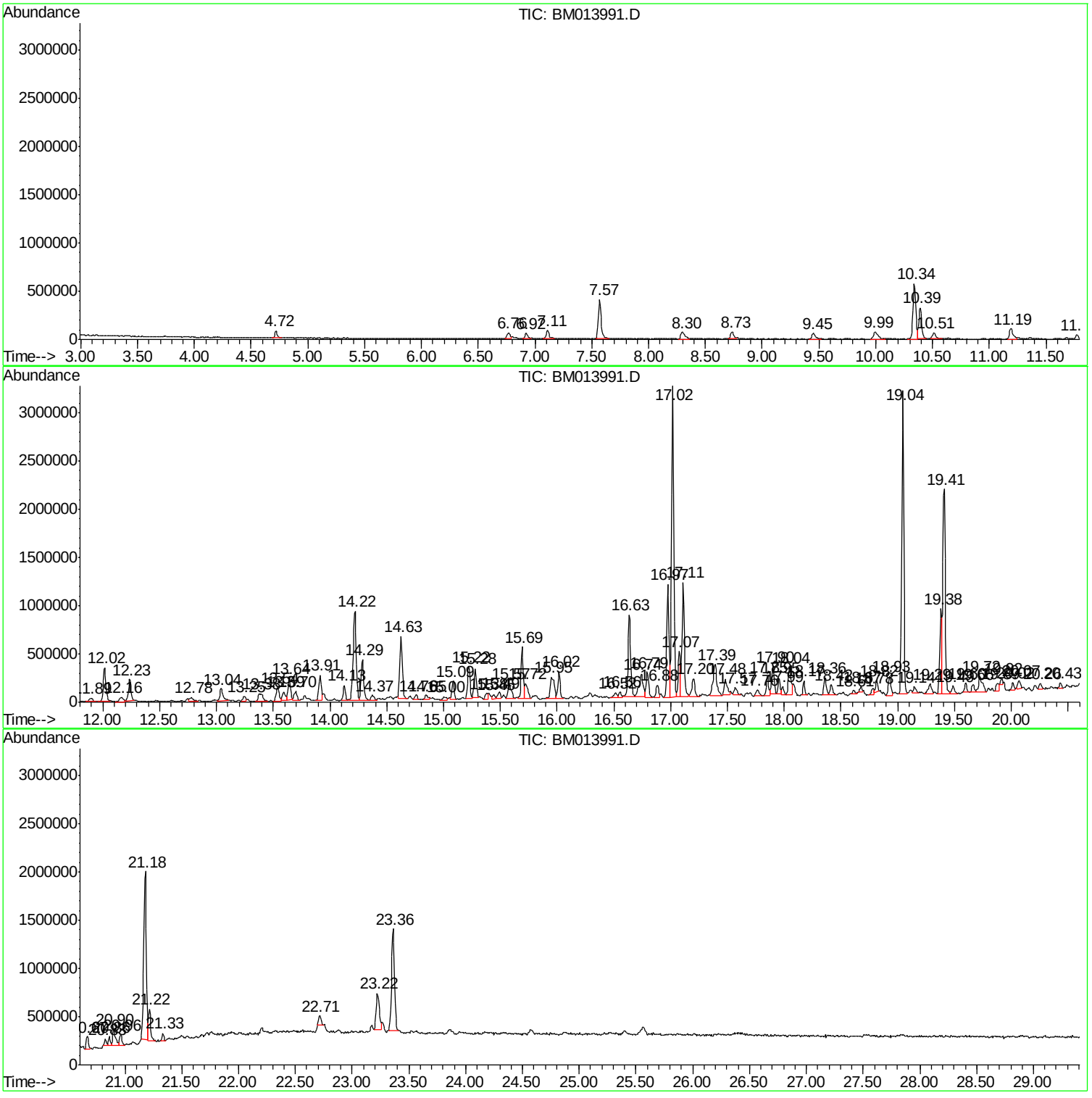
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

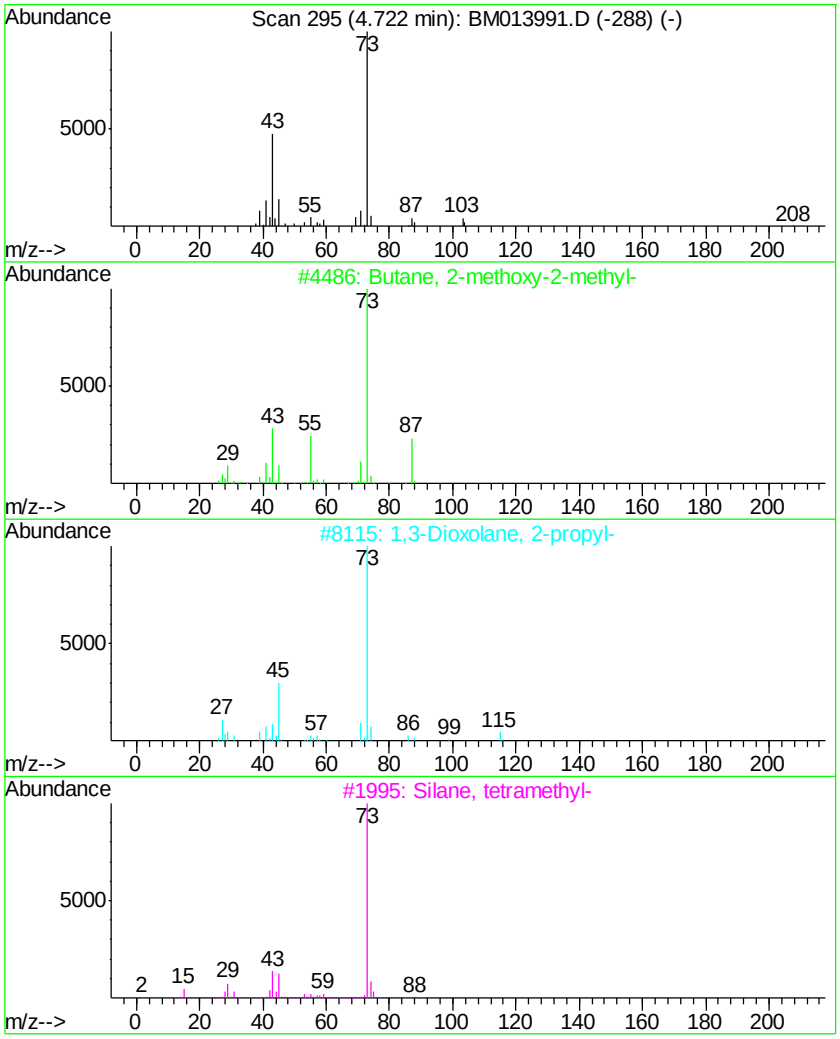
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

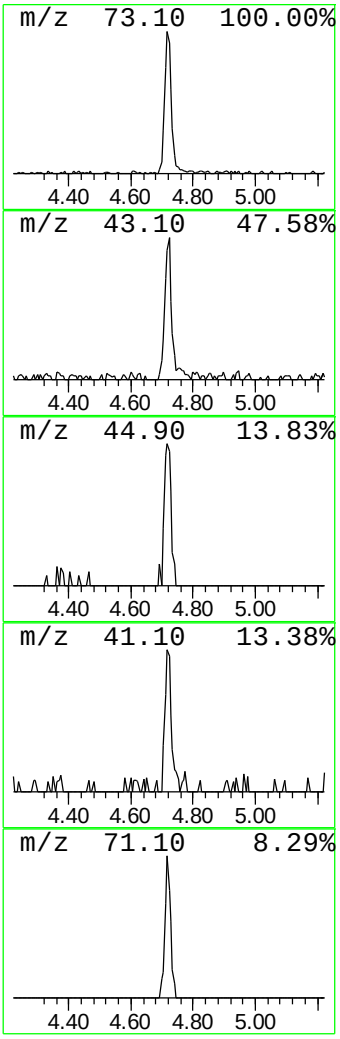
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	3.22 ng/ul	118463	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	53
2	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	50
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	36
5	1,3-Dioxolane, 2-butyl-	130	C7H14O2	004360-76-3	25





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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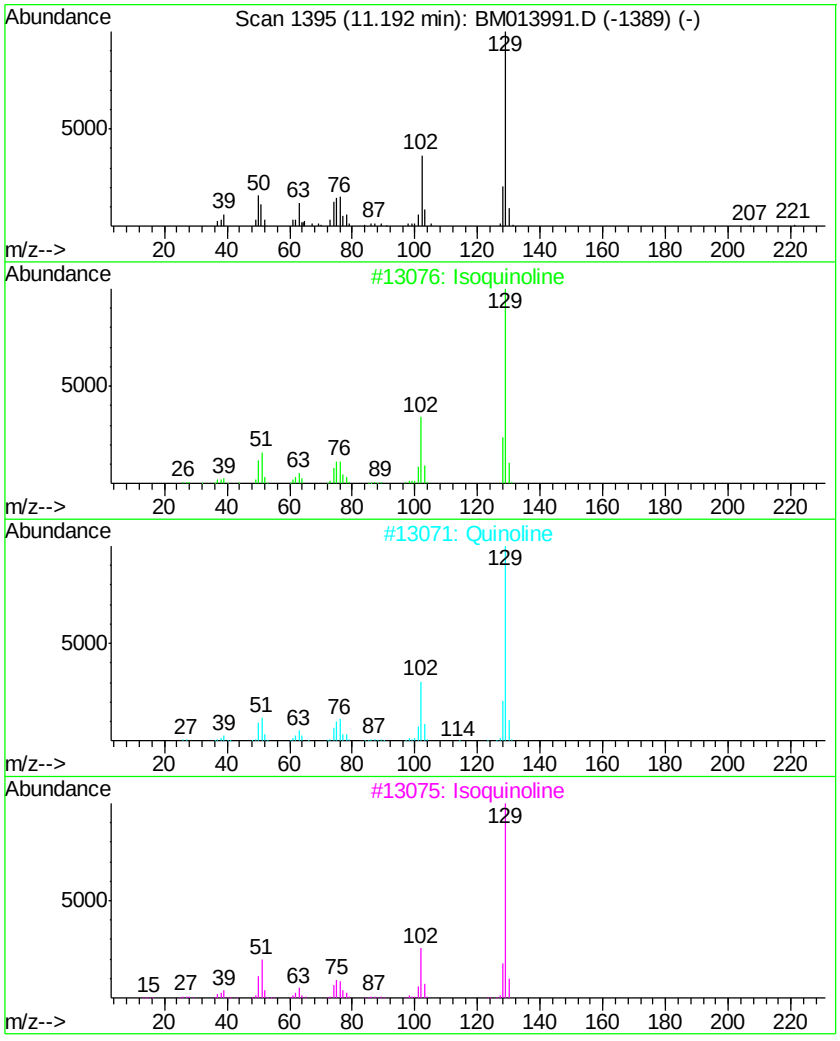
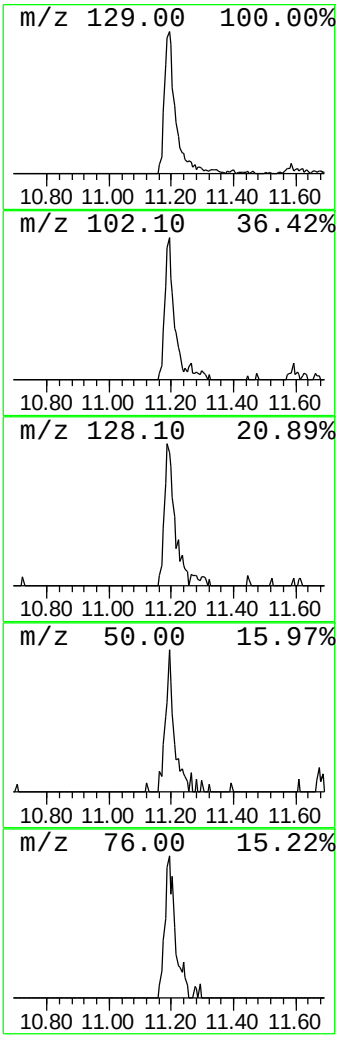
Peak Number 2 Isoquinoline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.68 ng/ul	241101	Naphthalene-d8	10.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Quinoline	129	C9H7N	000091-22-5	95
3	Isoquinoline	129	C9H7N	000119-65-3	94
4	Quinoline	129	C9H7N	000091-22-5	91
5	Quinoline	129	C9H7N	000091-22-5	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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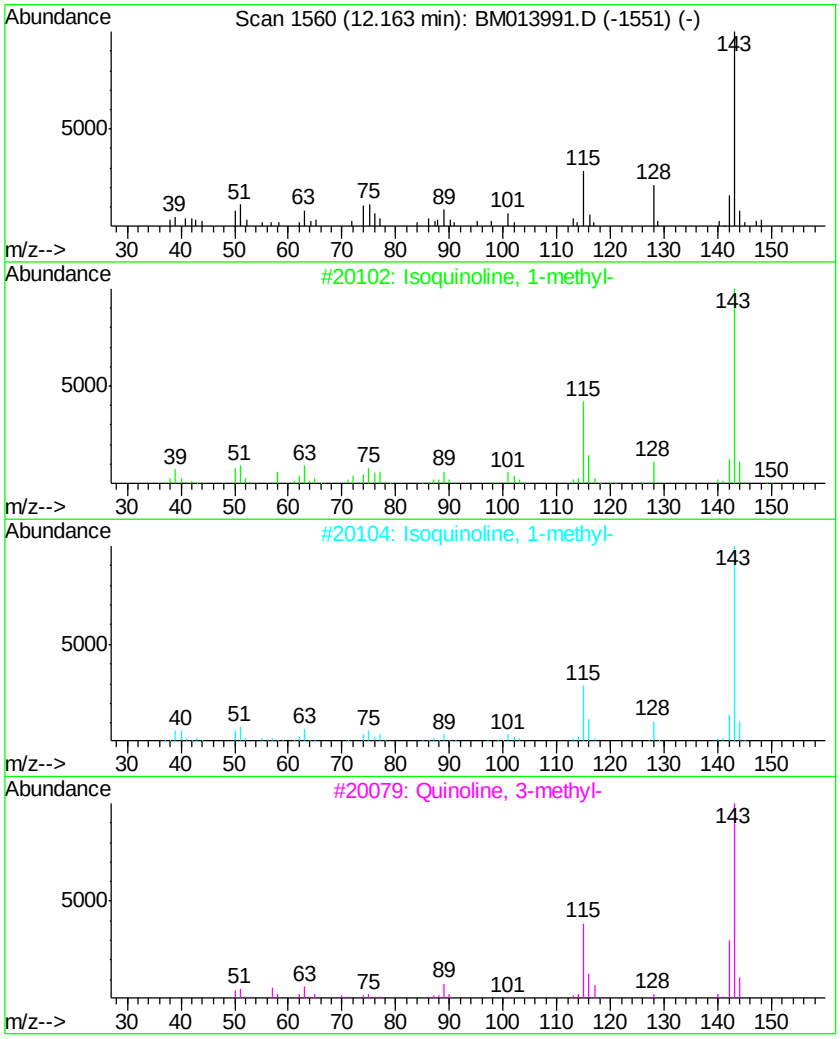
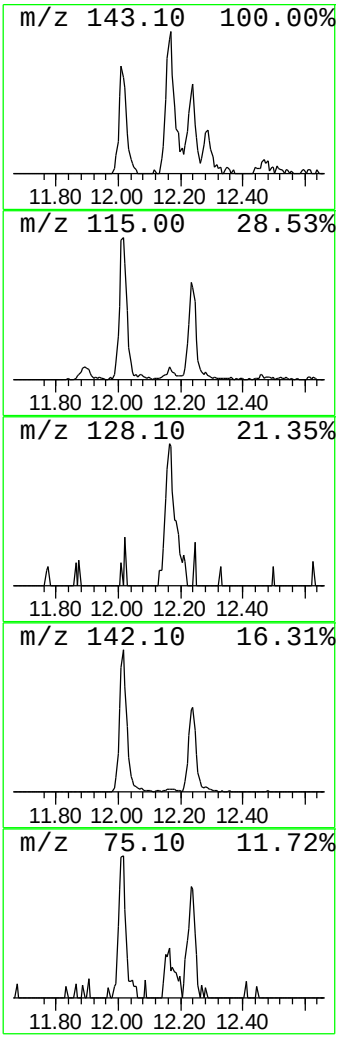
Peak Number 3 Isoquinoline, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.02 ng/ul	103928	Naphthalene-d8	10.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	72
2	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	72
3	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	64
4	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	64
5	1-Naphthalenamine	143	C10H9N	000134-32-7	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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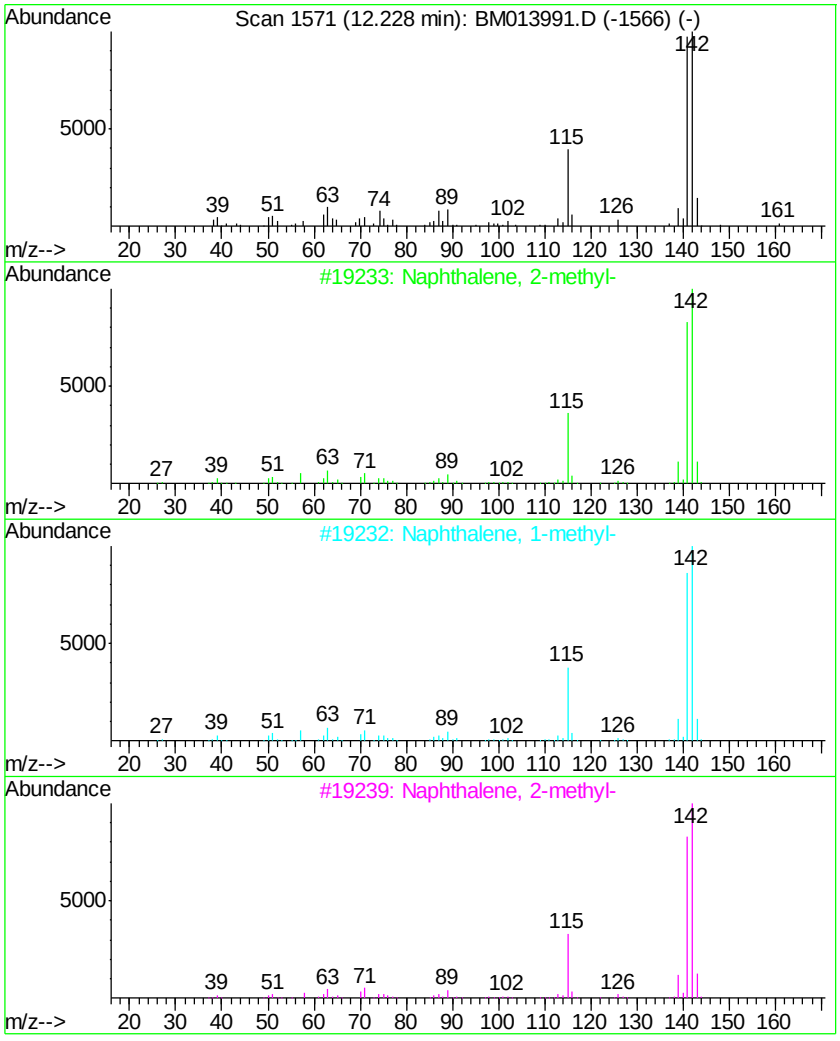
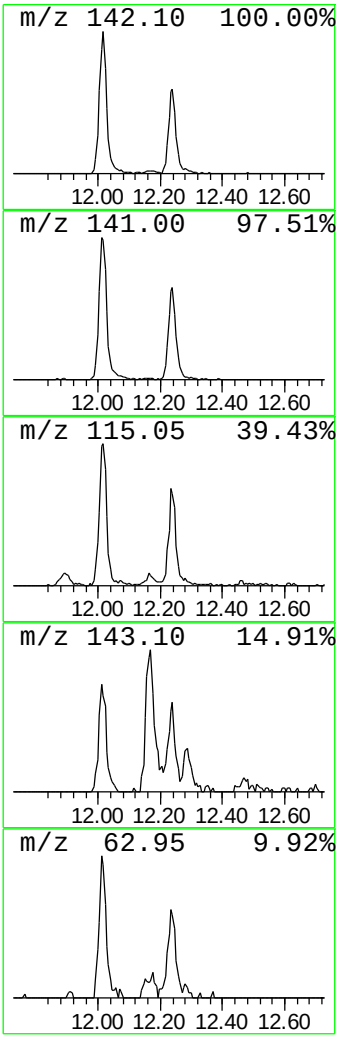
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	7.25 ng/ul	373100	Naphthalene-d8	10.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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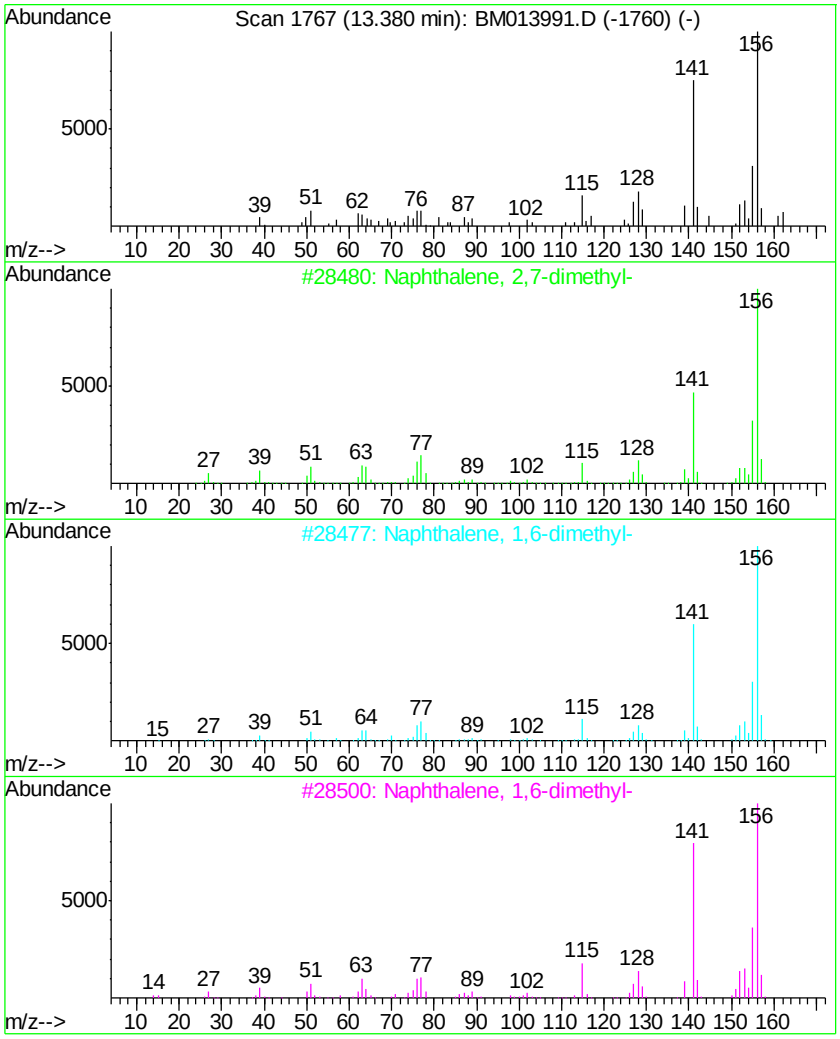
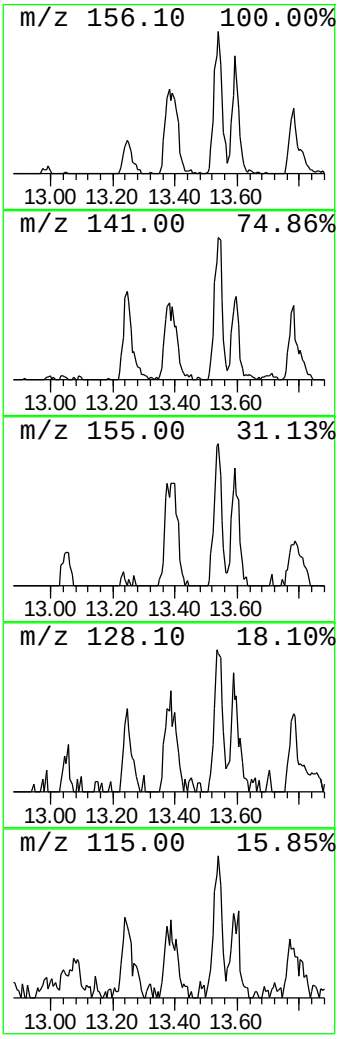
Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.44 ng/ul	218190	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

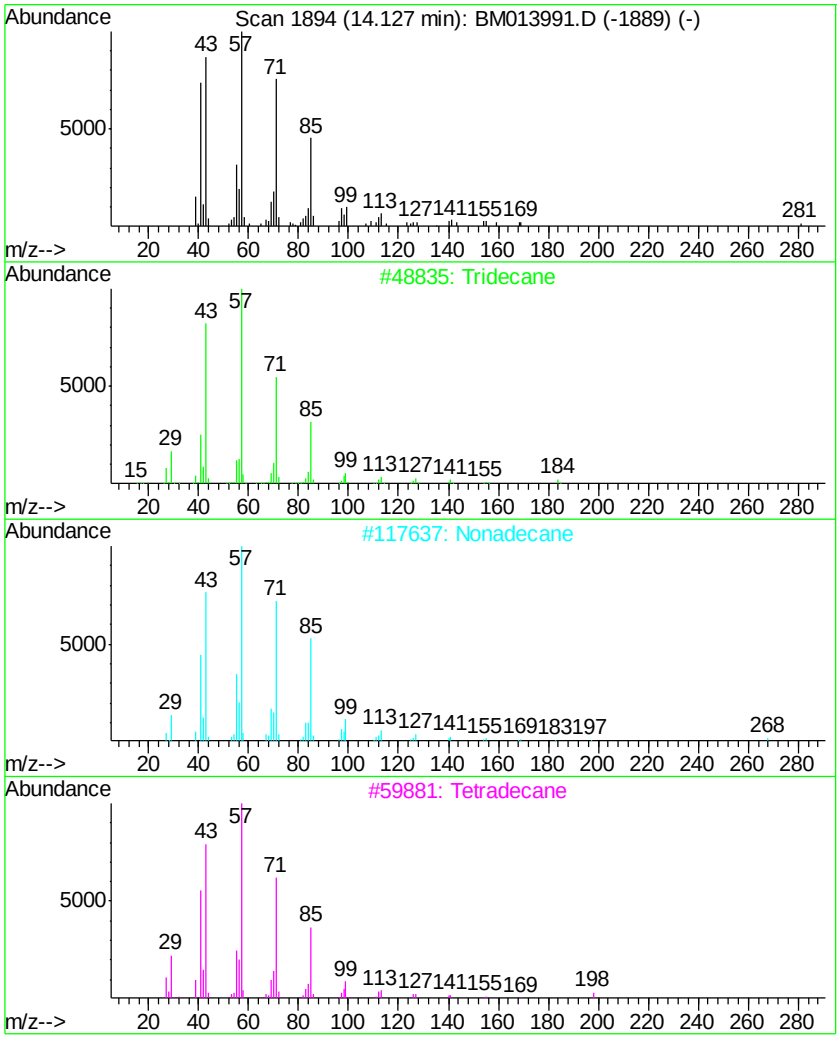
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

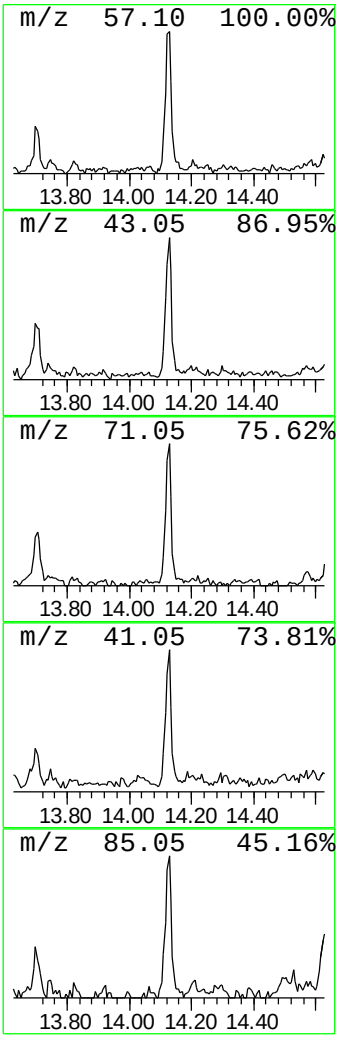
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.37 ng/ul	211772	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Tetracosane	338	C24H50	000646-31-1	86
5	Pentadecane	212	C15H32	000629-62-9	86





Library Search Compound Report

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Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

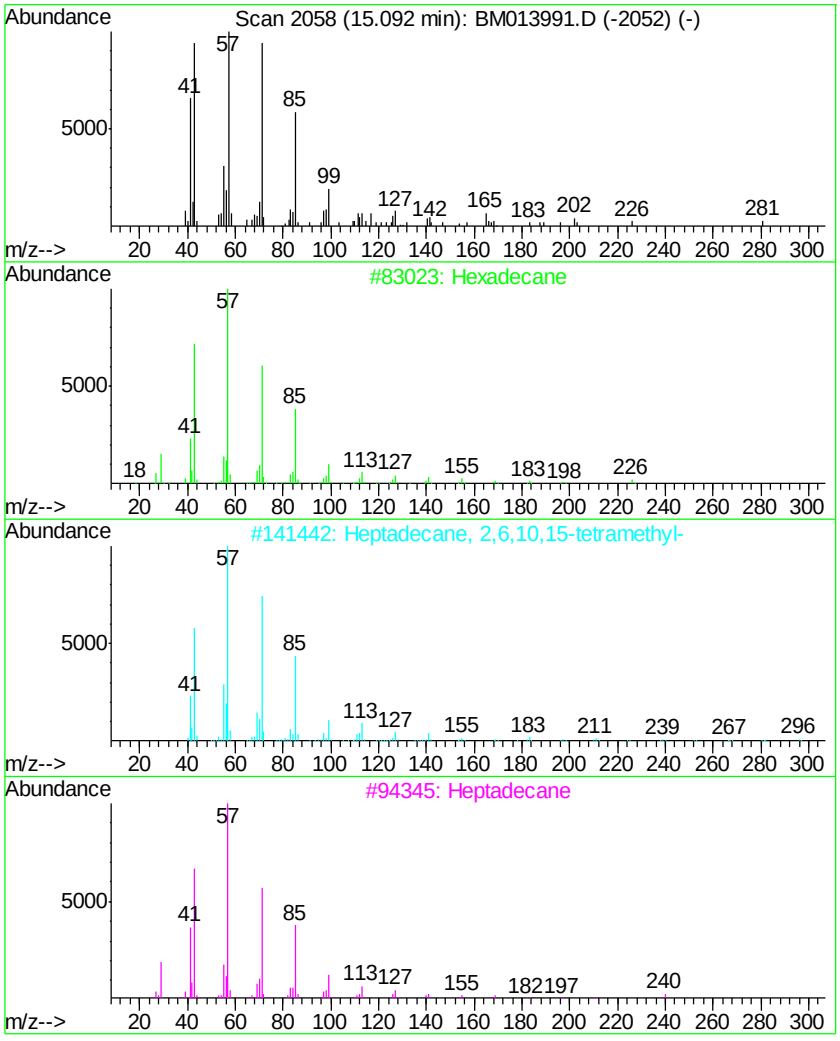
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

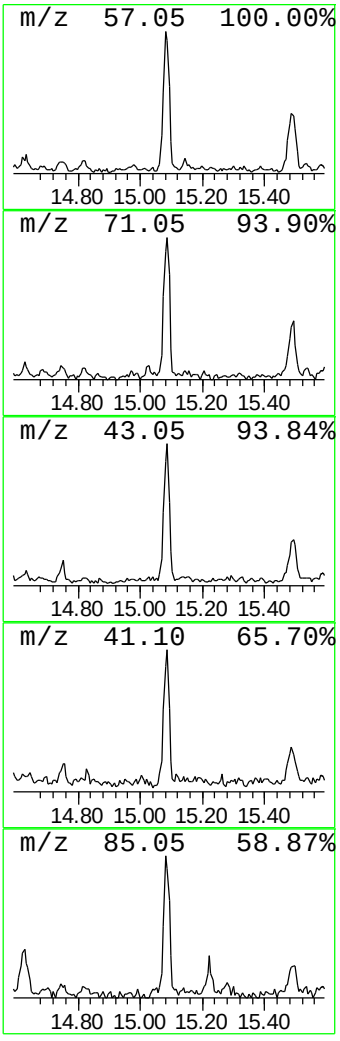
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.83 ng/ul	253018	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Heptadecane	240	C17H36	000629-78-7	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86





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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

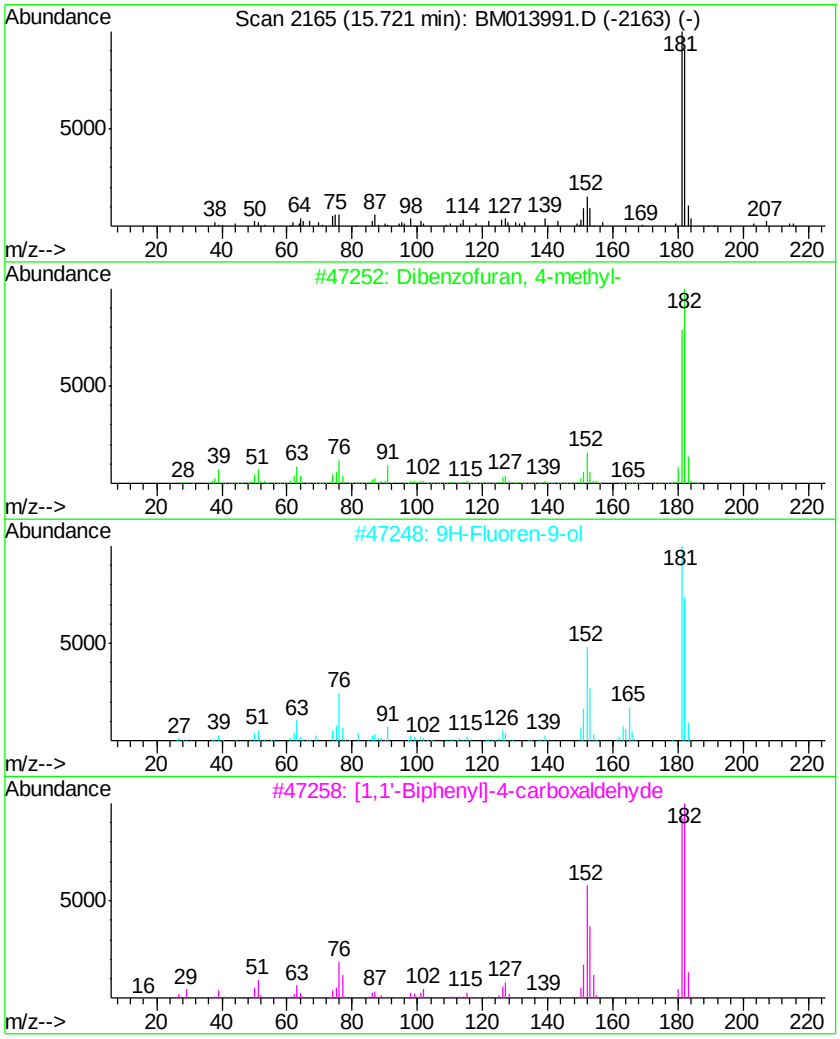
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

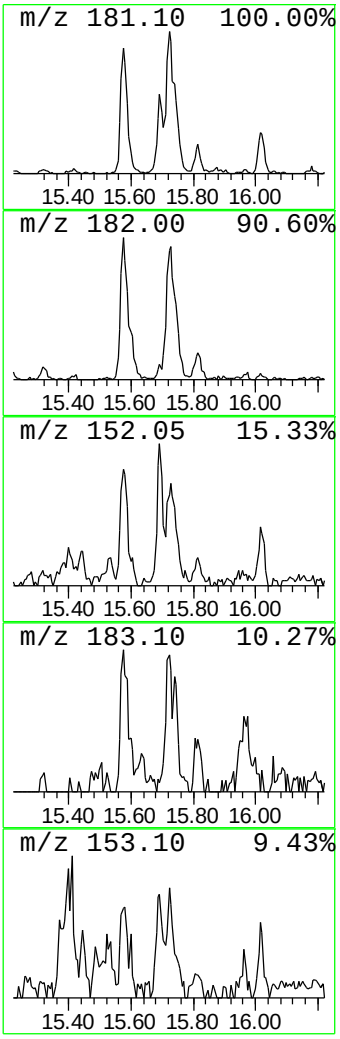
****

Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.28 ng/ul	275799	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

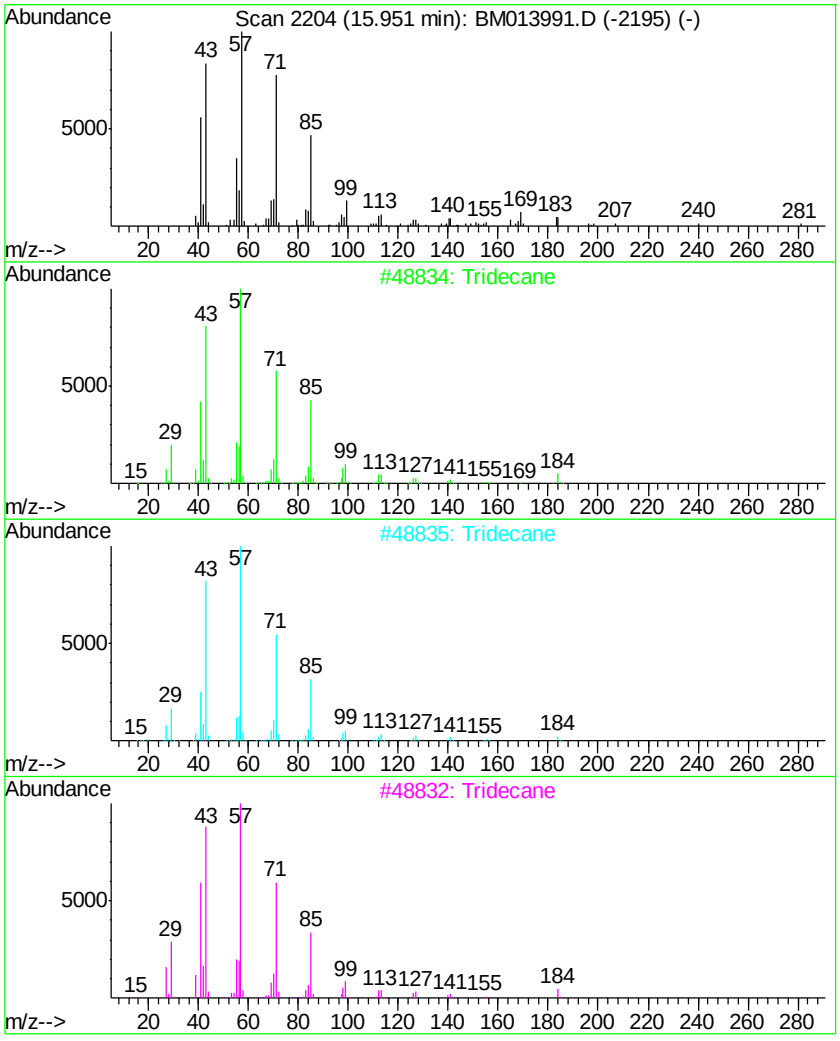
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

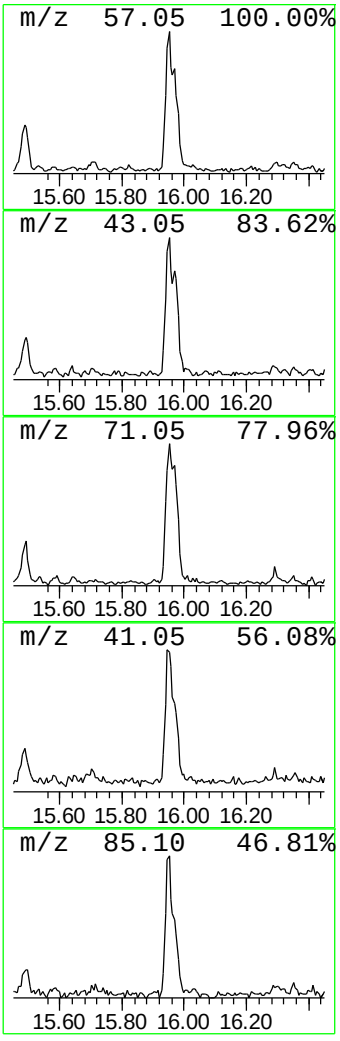
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	6.71 ng/ul	563224	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Dodecane	170	C12H26	000112-40-3	83
5	Pentadecane	212	C15H32	000629-62-9	83





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Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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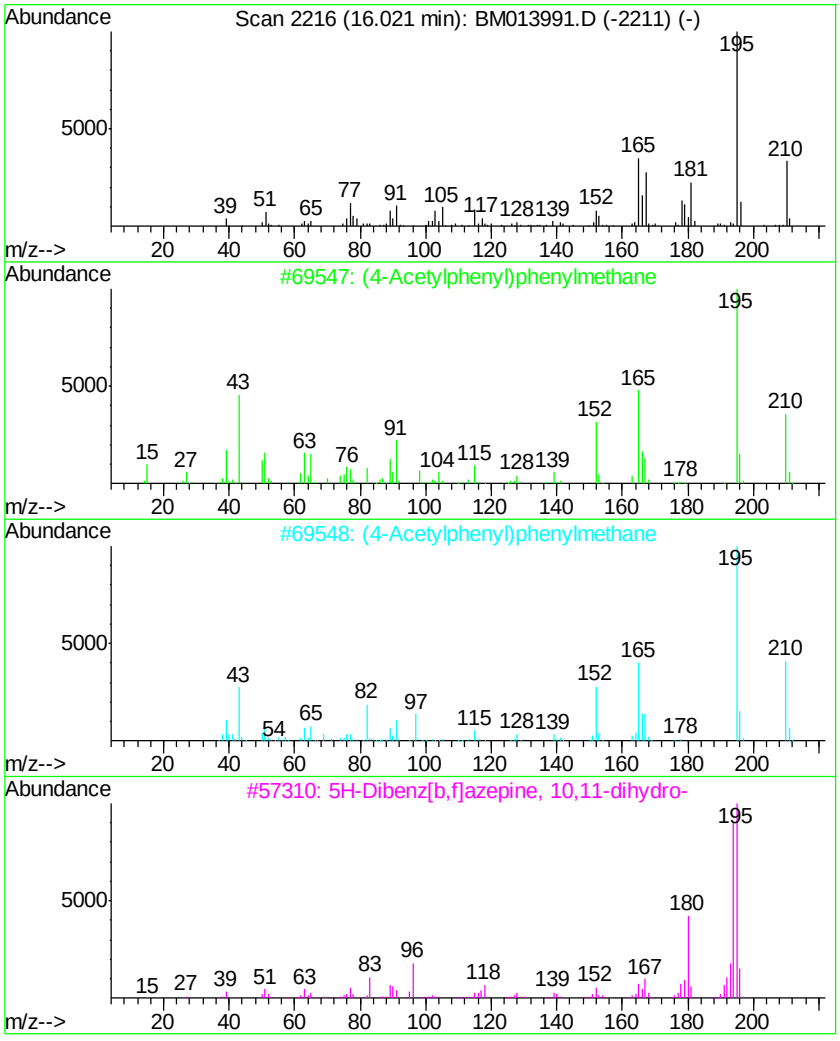
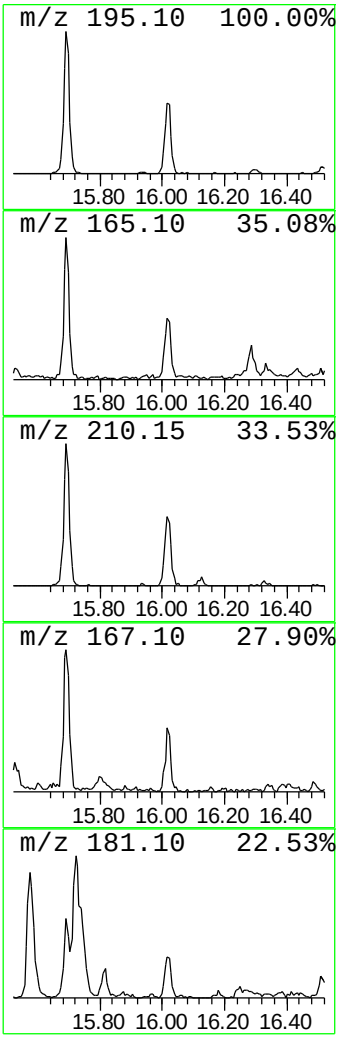
Peak Number 13 (4-Acetylphenyl)phenylmethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	4.68 ng/ul	393195	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	50
3	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	50
4	3-Acridinol	195	C13H9NO	007132-70-9	49
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	49





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Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

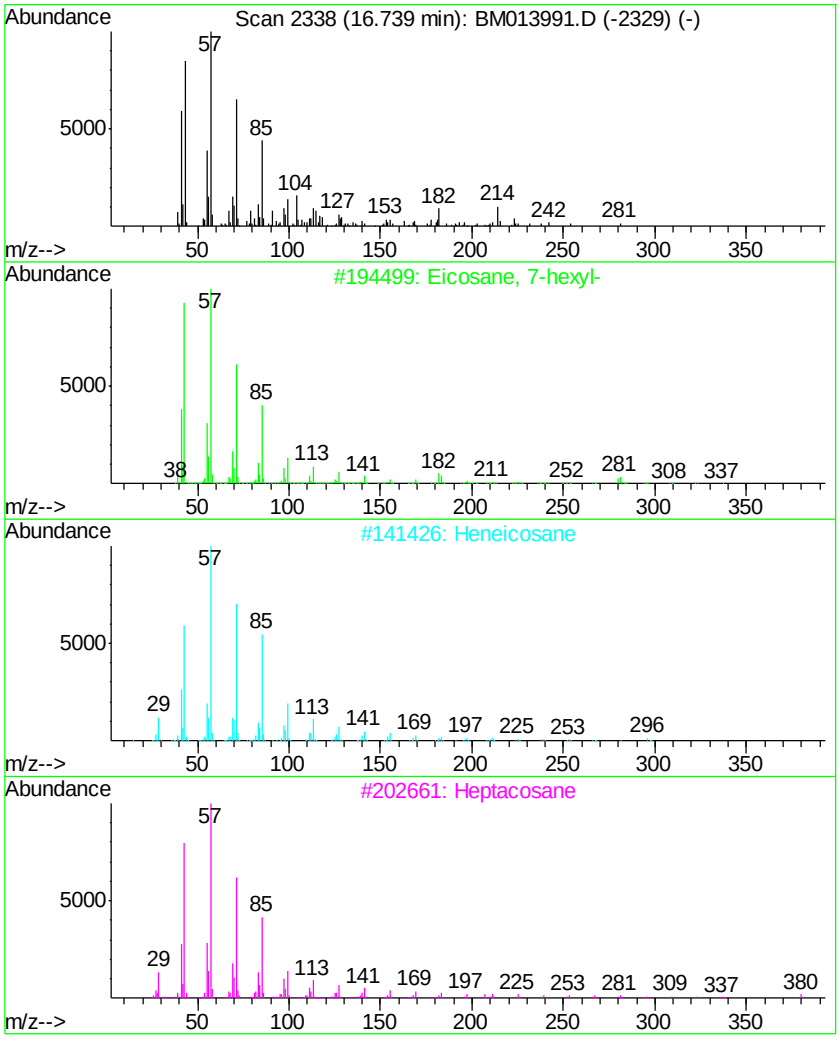
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

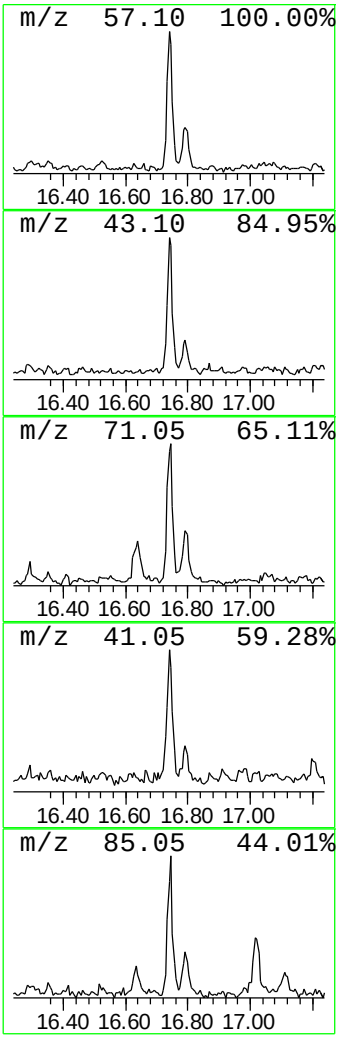
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	6.78 ng/ul	569484	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	83
2	Heneicosane	296	C21H44	000629-94-7	81
3	Heptacosane	380	C27H56	000593-49-7	81
4	Octacosane	394	C28H58	000630-02-4	81
5	Nonadecane	268	C19H40	000629-92-5	74





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Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

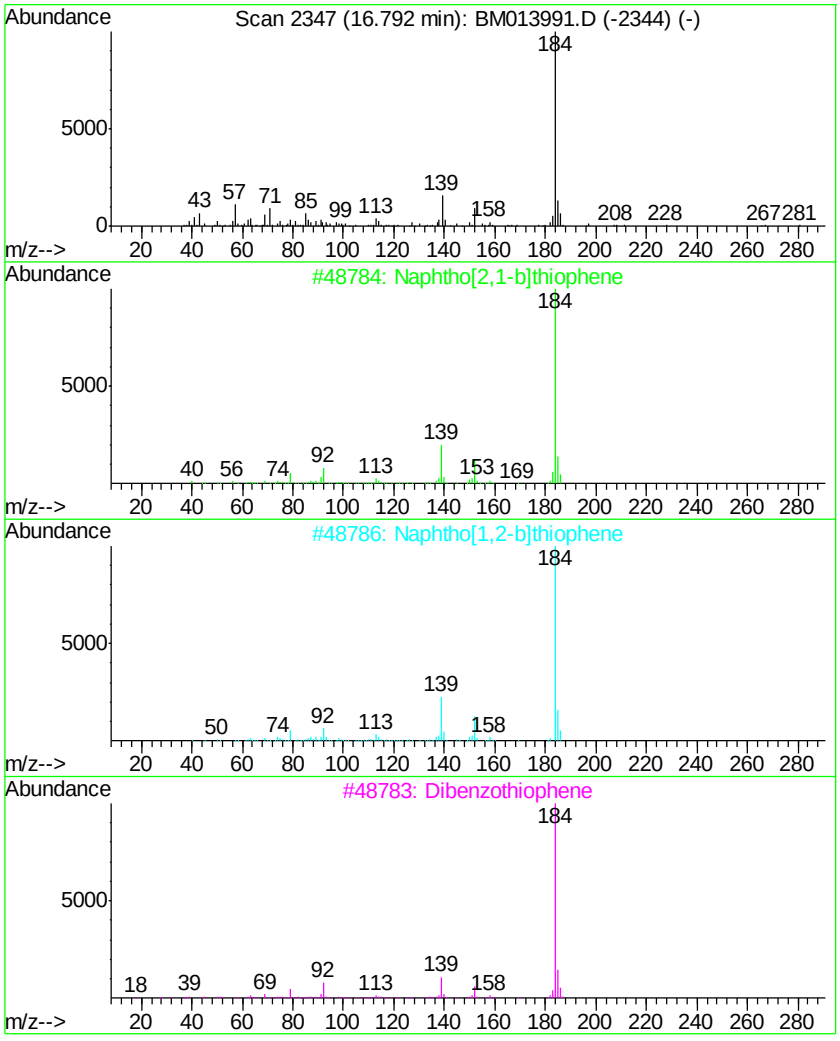
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

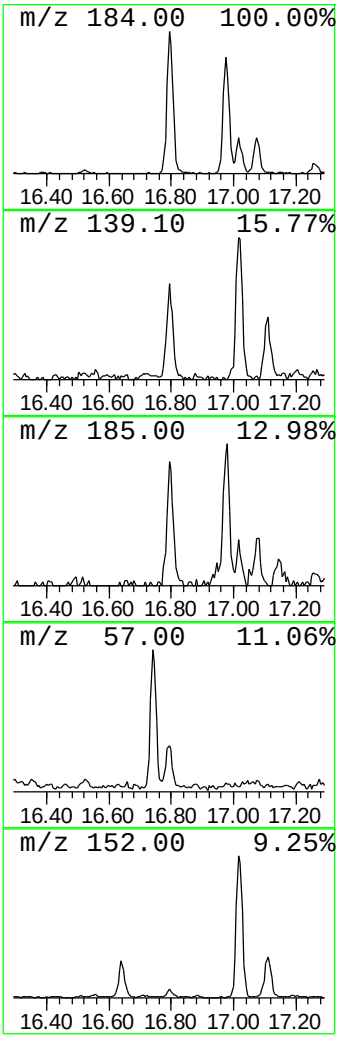
****

Peak Number 15 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.69 ng/ul	393810	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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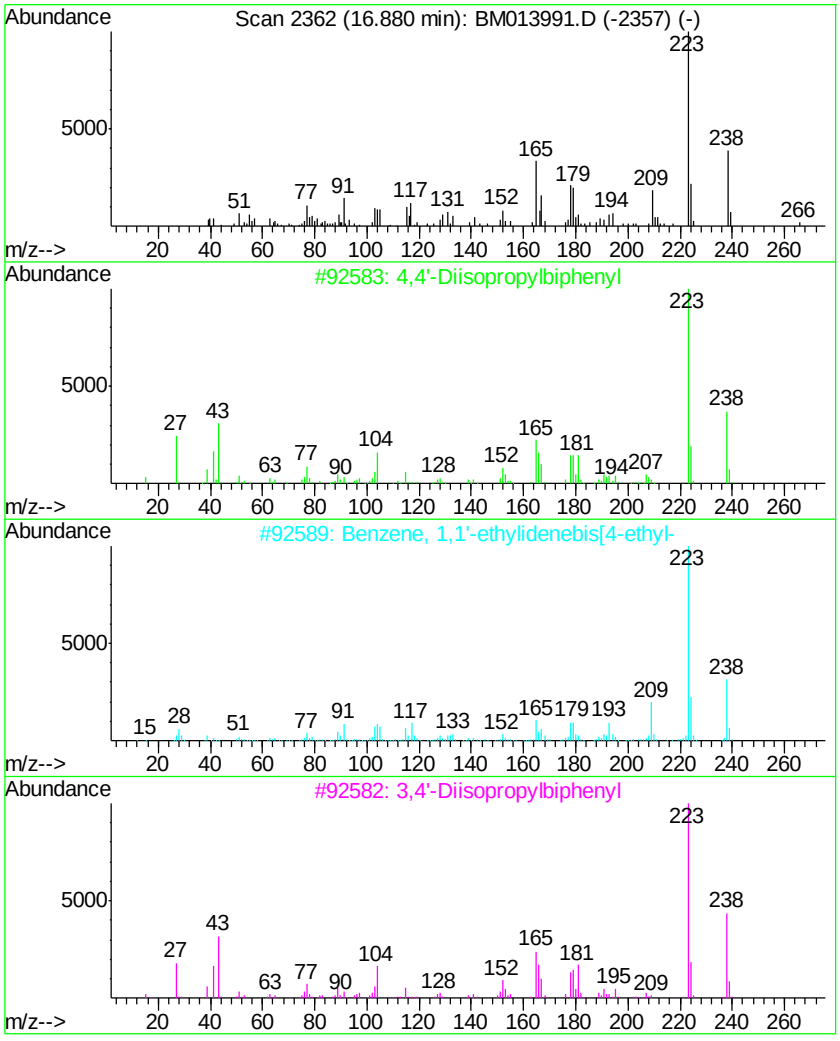
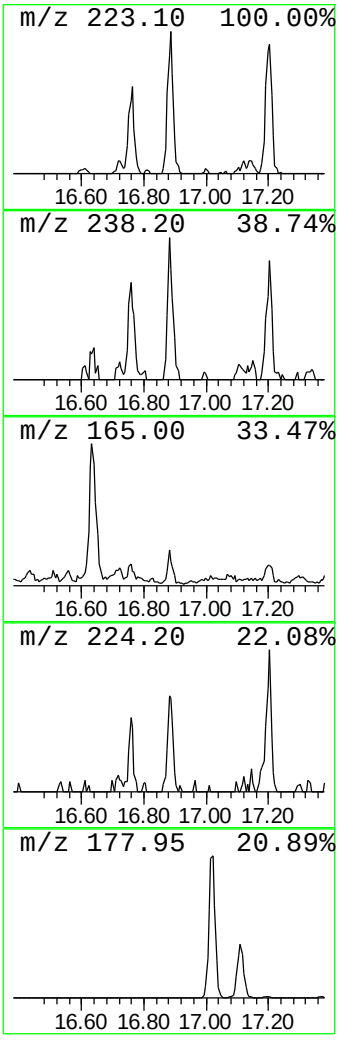
Peak Number 16 4,4'-Diisopropylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	2.60 ng/ul	217927	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	86
2	Benzene, 1,1'-ethylidenebis[4-et...	238	C18H22	010224-91-6	81
3	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	74
4	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	60
5	4-Isopropylxanthen-9-one	238	C16H14O2	1000210-33-1	52





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Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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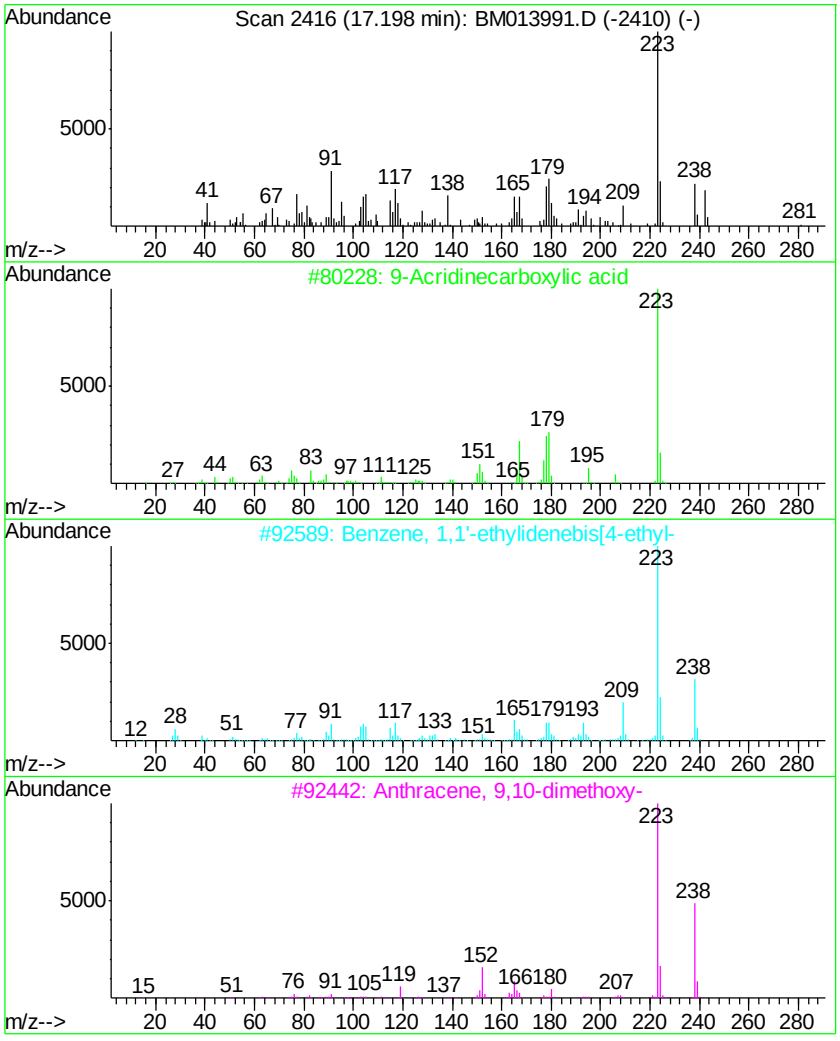
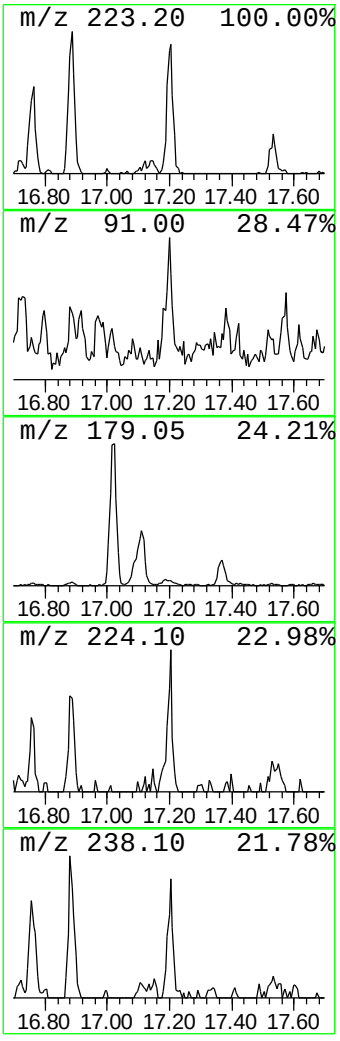
Peak Number 17 9-Acridinecarboxylic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	4.18 ng/ul	351396	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	70
2	Benzene, 1,1'-ethylidenebis[4-et...	238	C18H22	010224-91-6	58
3	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	52
4	Ethyl 3-[3-amino-5-methoxyphenyl...	223	C12H17NO3	1000213-27-3	49
5	Benzenamine, N,N-dimethyl-4-(2-p...	223	C16H17N	001145-73-9	49





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Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

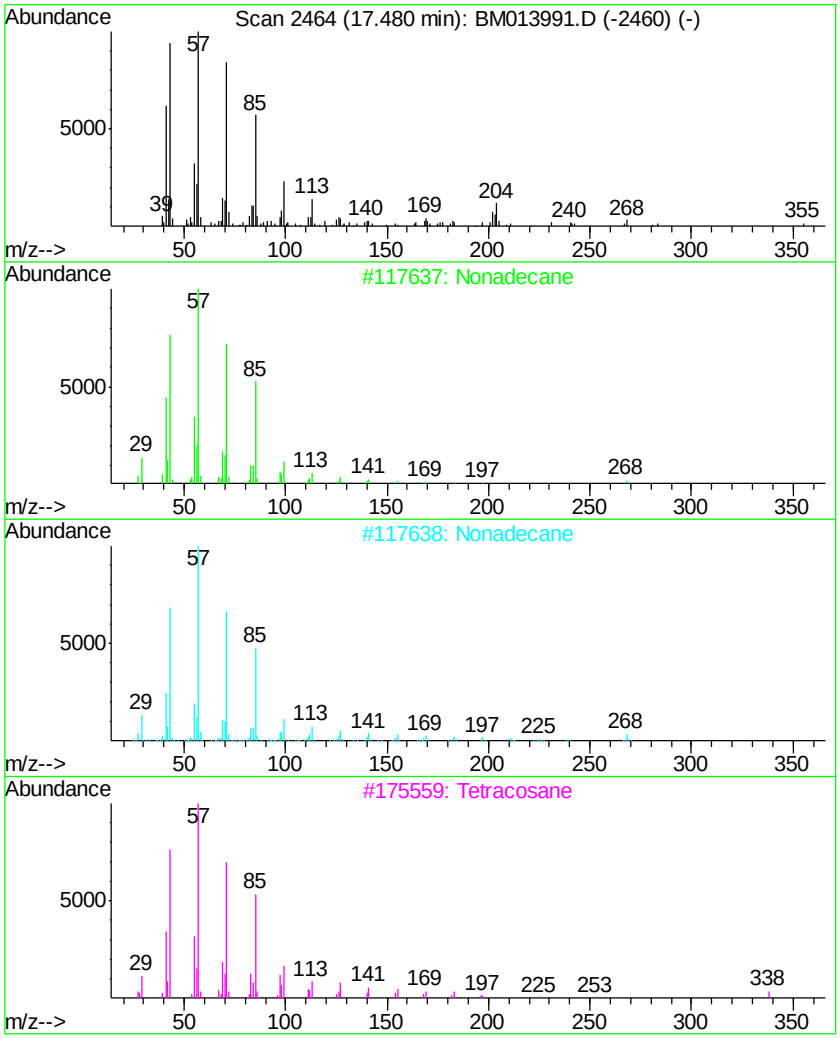
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

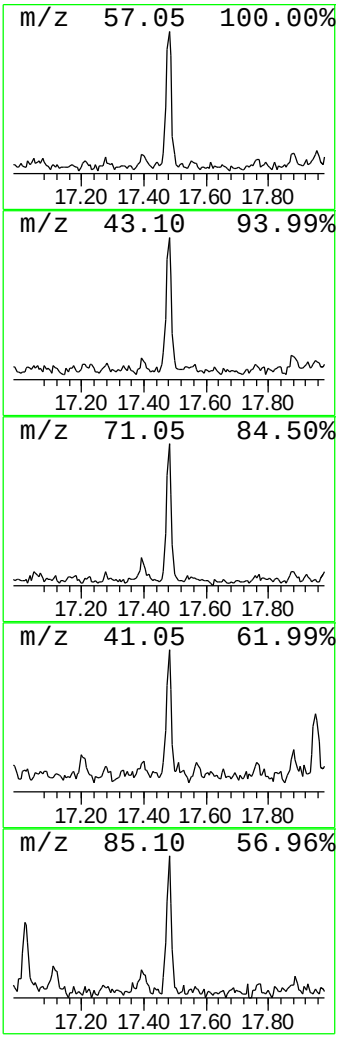
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	3.68 ng/ul	309046	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Nonadecane	268	C19H40	000629-92-5	87
3	Tetracosane	338	C24H50	000646-31-1	86
4	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83





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Sample : J1243-07DL 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F6B30DL

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Quant Title : SVOA CALIBRATION

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

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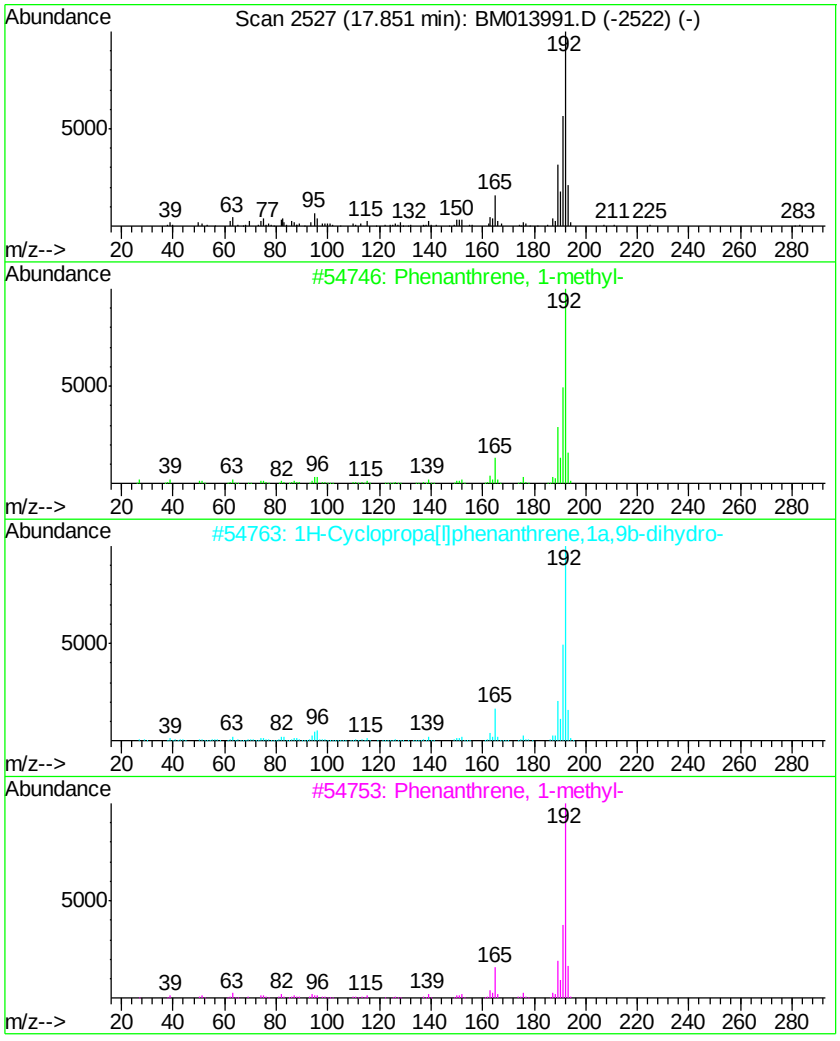
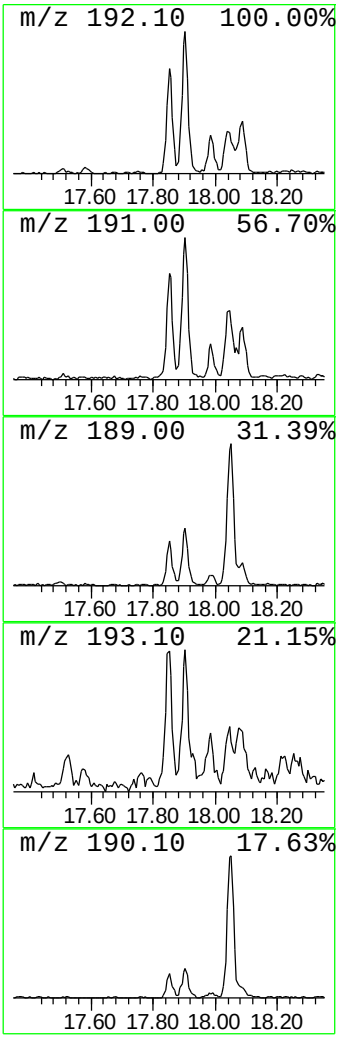
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	3.78 ng/ul	317571	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
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Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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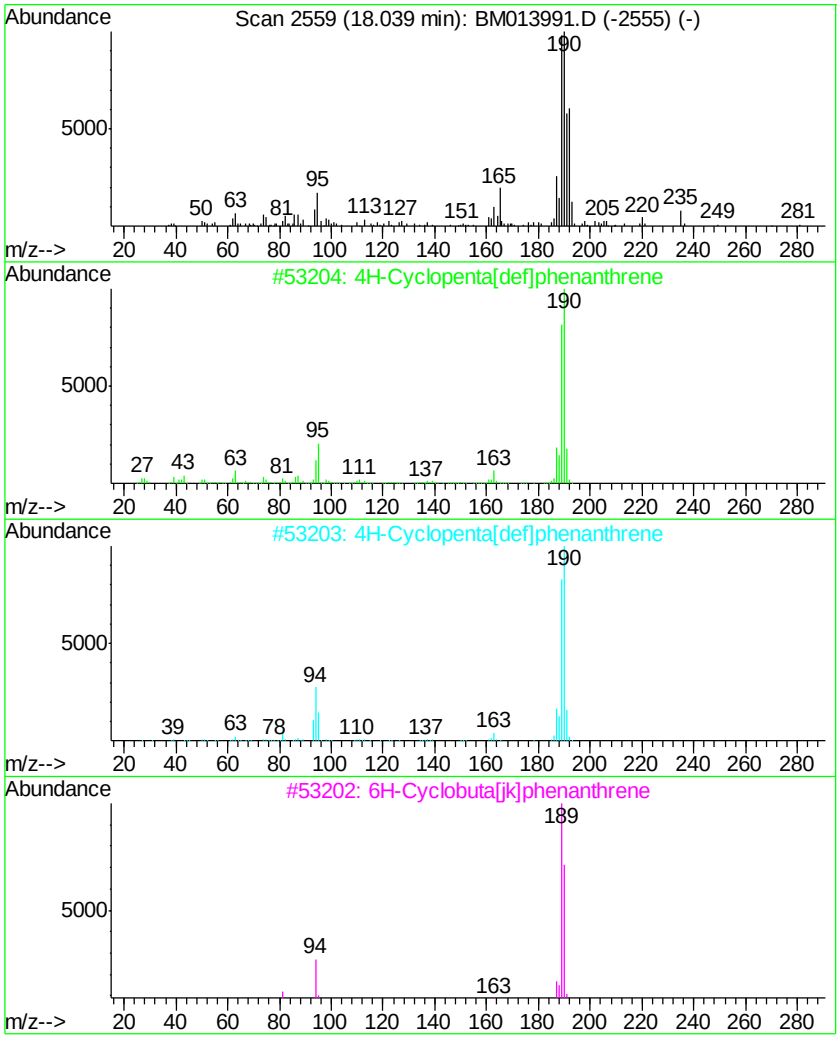
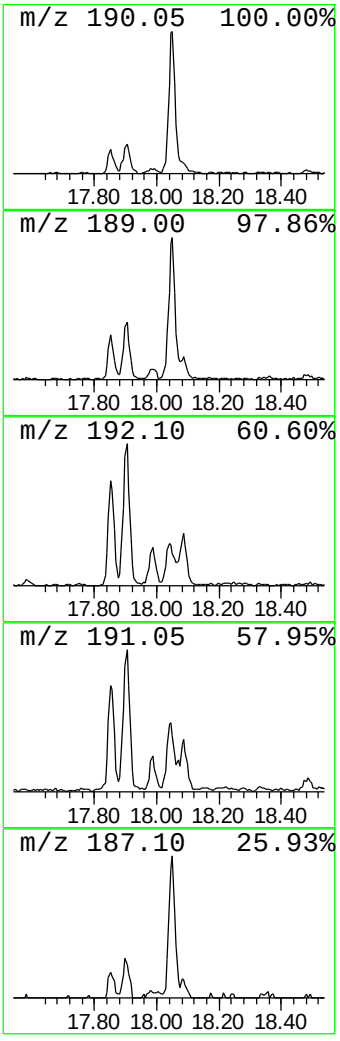
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	6.21 ng/ul	521758	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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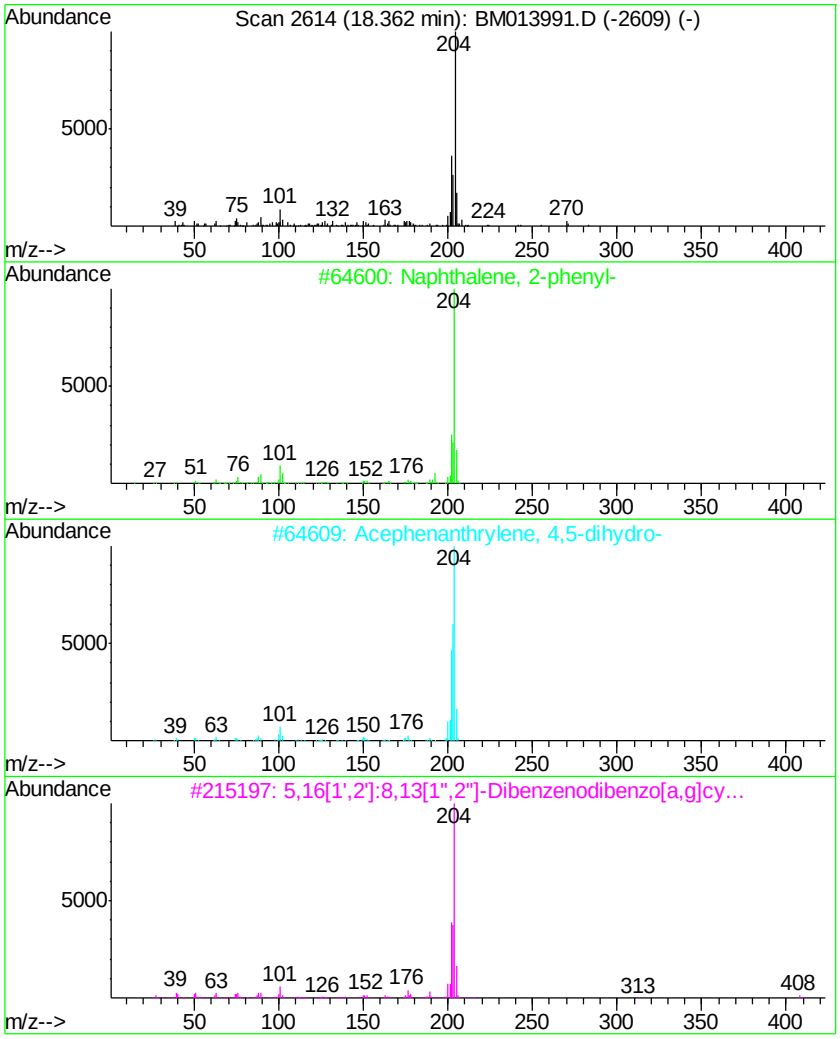
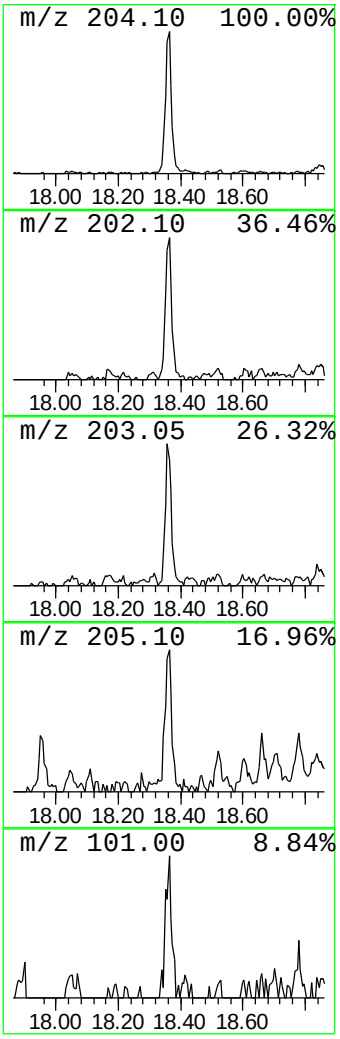
Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.95 ng/ul	247722	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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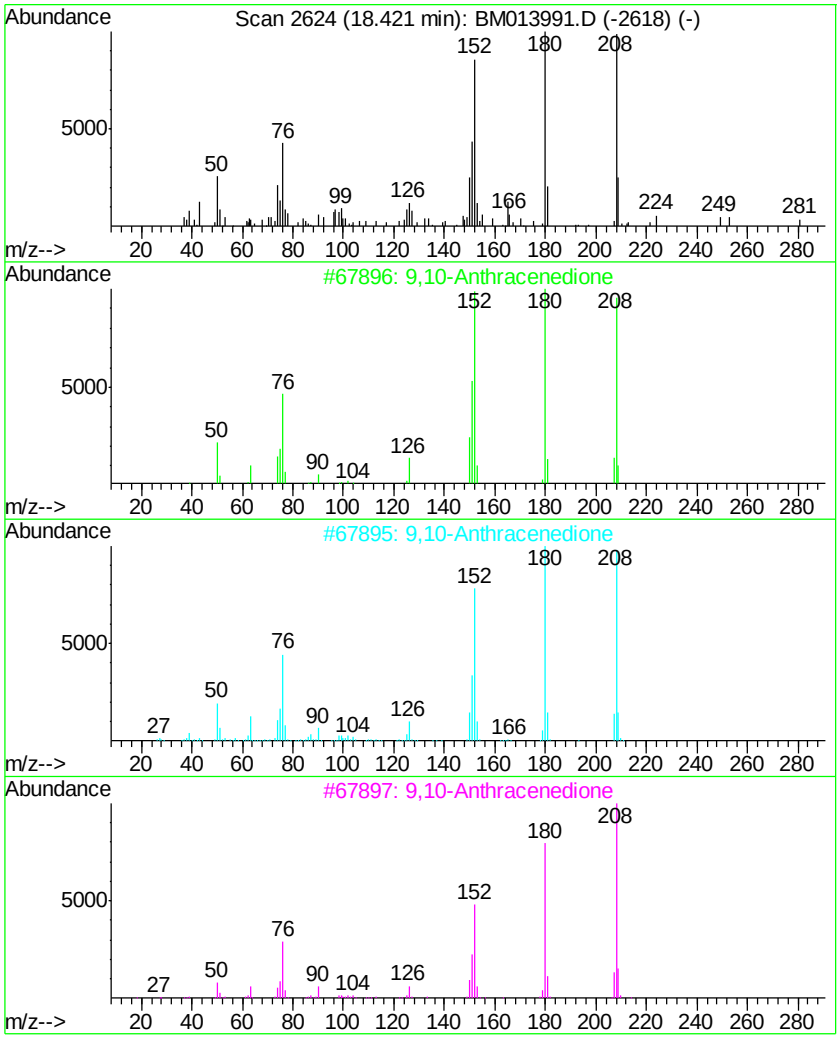
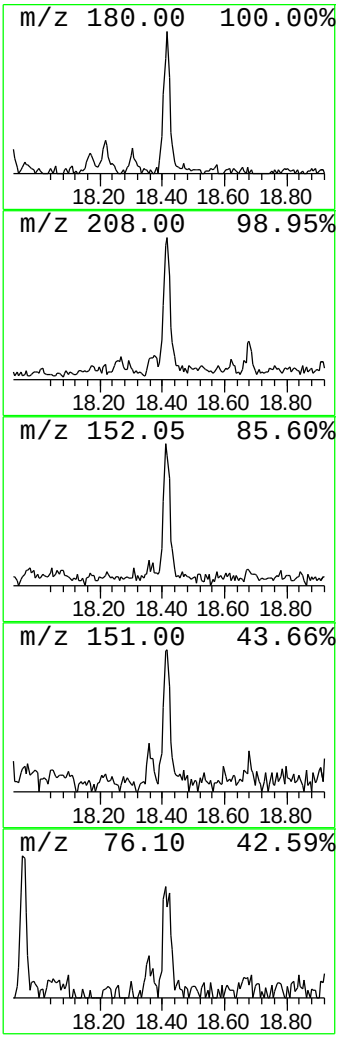
Peak Number 22 9,10-Anthracenedione Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.04 ng/ul	171376	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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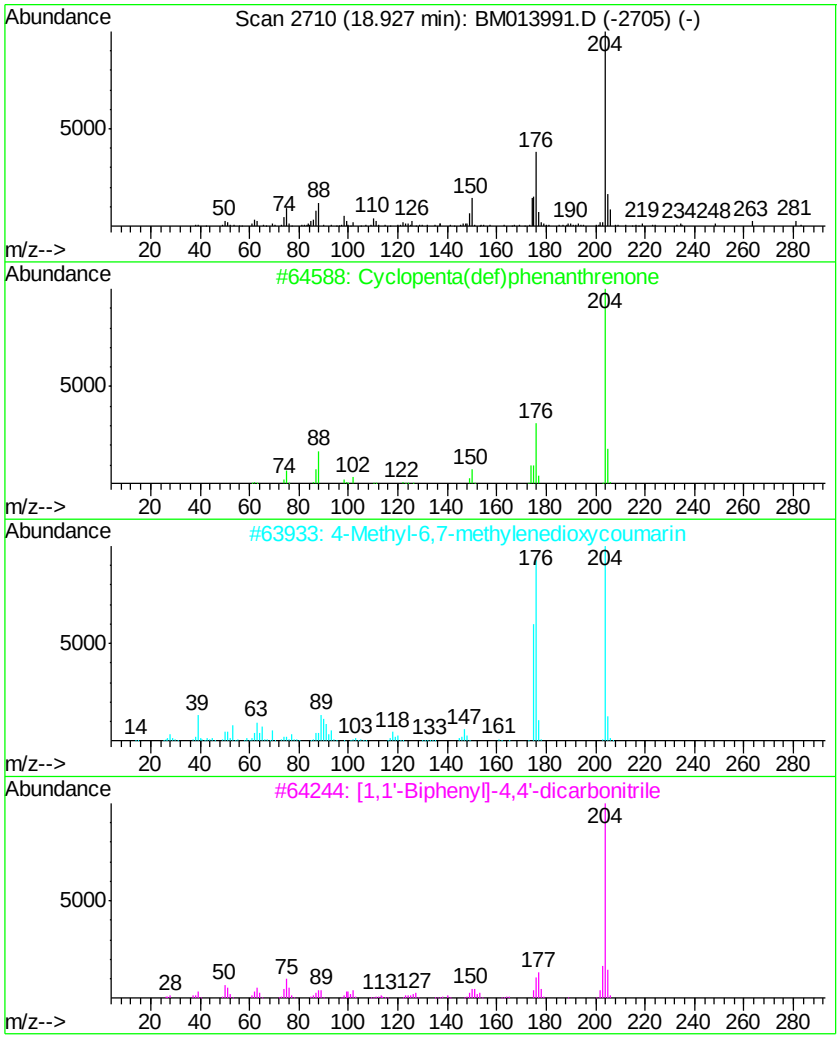
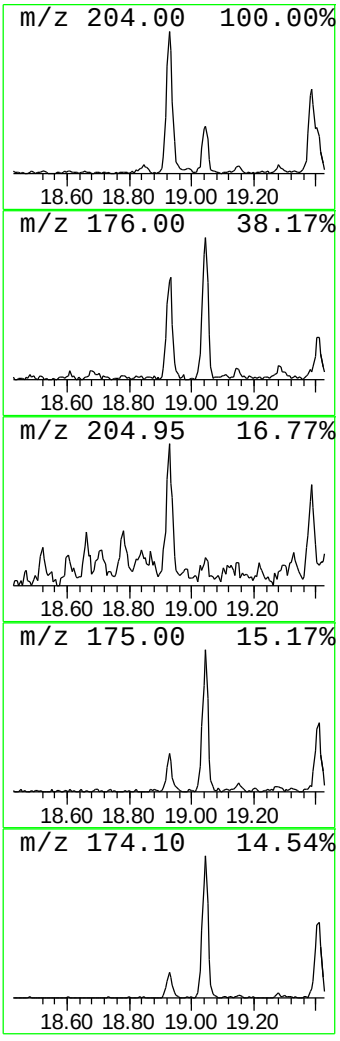
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.64 ng/ul	306045	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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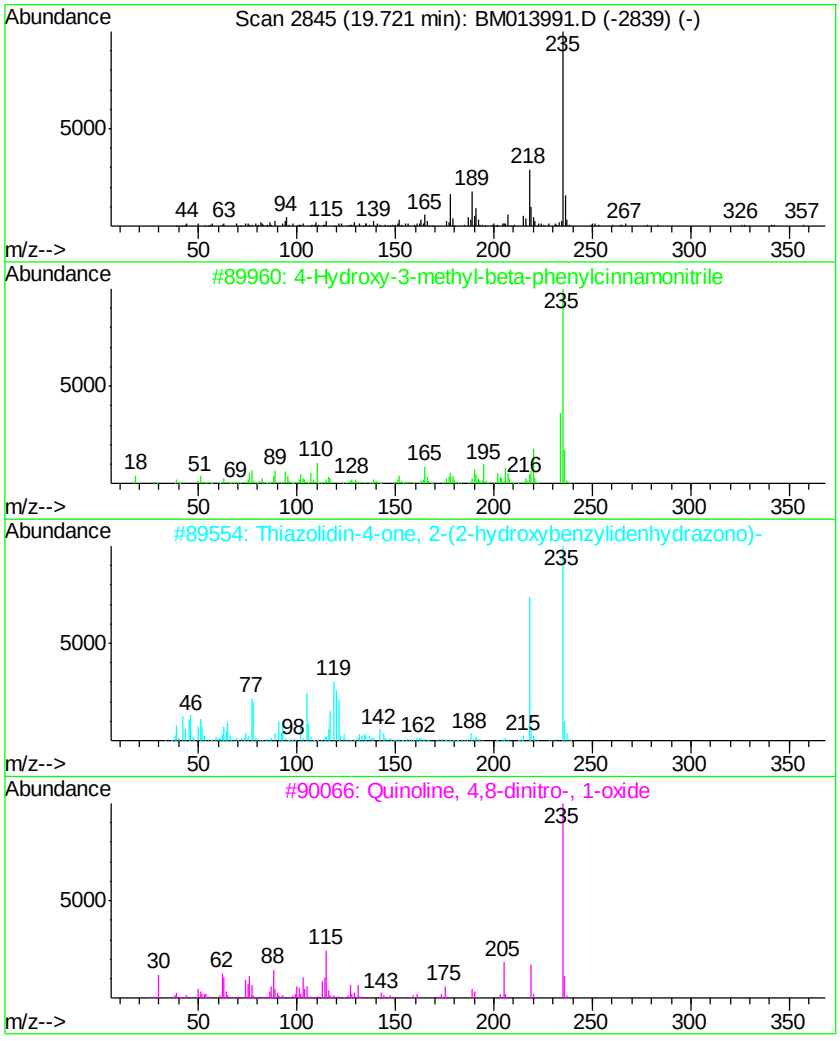
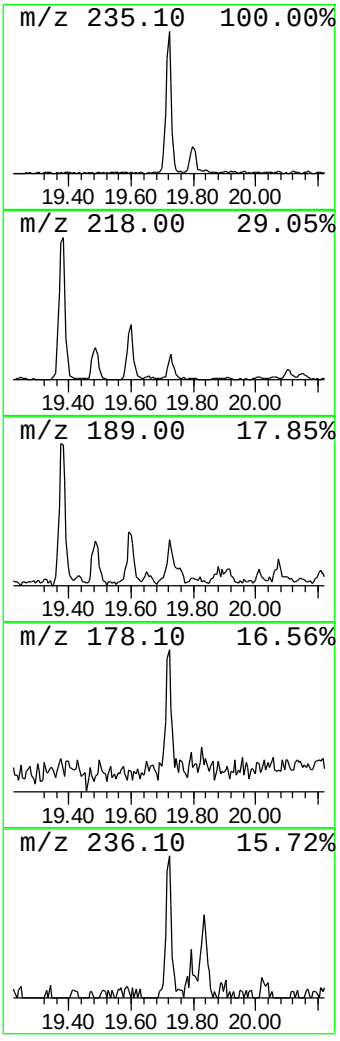
Peak Number 24 4-Hydroxy-3-methyl-beta-phe... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.64 ng/ul	368208	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-methyl-beta-phenylci...	235	C16H13NO	016299-28-8	58
2	Thiazolidin-4-one, 2-(2-hydroxyb...	235	C10H9N3O2S	022067-36-3	52
3	Quinoline, 4,8-dinitro-, 1-oxide	235	C9H5N3O5	014753-19-6	47
4	Benzothiazole-2-thiol, 5-trifluo...	235	C8H4F3NS2	023420-87-3	47
5	4-(4-Methylaminobenzylideneamino...	235	C15H13N3	065421-60-5	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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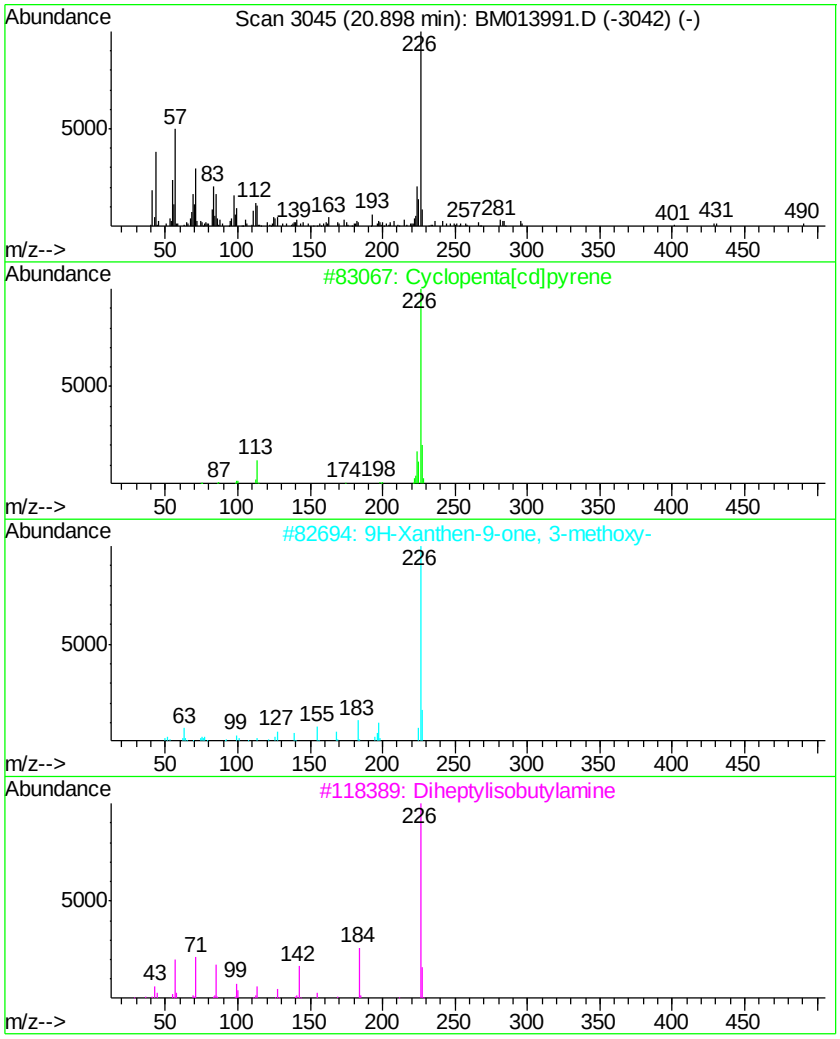
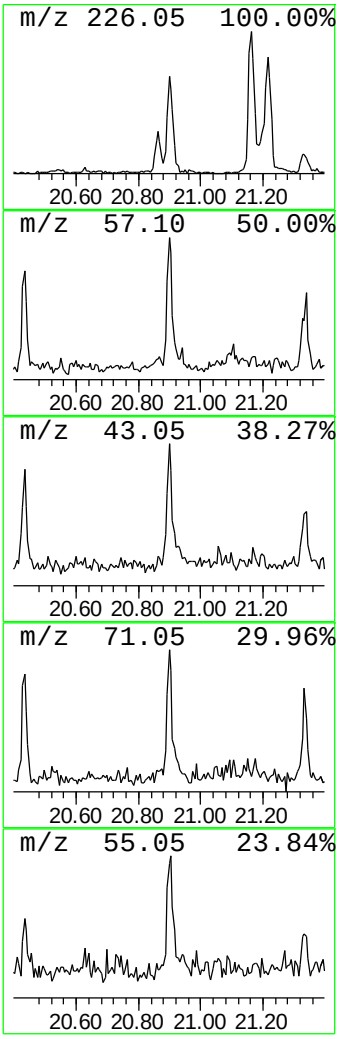
Peak Number 25 Cyclopenta[cd]pyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.13 ng/ul	296966	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
3	Diheptylisobutylamine	269	C18H39N	1000310-32-0	38
4	N-(2-Methyl-5-oxo-5H-chromeno[3,...	282	C16H14N2O3	1000295-08-0	38
5	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012918\
Data File : BM013991.D
Acq On : 30 Jan 2018 11:03
Operator : SJ/JU
Sample : J1243-07DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B30DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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
Butane, 2-methoxy...	4.72	3.2	ng/ul	118463	1	7.57	734689	20.0
Isoquinoline	11.19	4.7	ng/ul	241101	2	10.34	1029460	20.0
Isoquinoline, 1-m...	12.16	2.0	ng/ul	103928	2	10.34	1029460	20.0
Naphthalene, 1-me...	12.23	7.3	ng/ul	373100	2	10.34	1029460	20.0
Naphthalene, 2,7-...	13.38	2.4	ng/ul	218190	3	14.22	1787910	20.0
(DEL) Alkane: Str...	14.13	2.4	ng/ul	211772	3	14.22	1787910	20.0
(DEL) Alkane: Str...	15.09	2.8	ng/ul	253018	3	14.22	1787910	20.0
Dibenzofuran, 4-m...	15.72	3.3	ng/ul	275799	4	16.97	1679550	20.0
(DEL) Alkane: Str...	15.95	6.7	ng/ul	563224	4	16.97	1679550	20.0
(4-Acetylphenyl)p...	16.02	4.7	ng/ul	393195	4	16.97	1679550	20.0
(DEL) Alkane: Str...	16.74	6.8	ng/ul	569484	4	16.97	1679550	20.0
Naphtho[2,1-b]thi...	16.79	4.7	ng/ul	393810	4	16.97	1679550	20.0
4,4'-Diisopropylb...	16.88	2.6	ng/ul	217927	4	16.97	1679550	20.0
9-Acridinecarboxy...	17.20	4.2	ng/ul	351396	4	16.97	1679550	20.0
(DEL) Alkane: Str...	17.48	3.7	ng/ul	309046	4	16.97	1679550	20.0
Phenanthrene, 1-m...	17.85	3.8	ng/ul	317571	4	16.97	1679550	20.0
4H-Cyclopenta[def...	18.04	6.2	ng/ul	521758	4	16.97	1679550	20.0
Naphthalene, 2-ph...	18.36	3.0	ng/ul	247722	4	16.97	1679550	20.0
9,10-Anthracenedione	18.42	2.0	ng/ul	171376	4	16.97	1679550	20.0
Cyclopenta(def)ph...	18.93	3.6	ng/ul	306045	4	16.97	1679550	20.0
4-Hydroxy-3-methy...	19.72	2.6	ng/ul	368208	5	21.18	2789310	20.0
Cyclopenta[cd]pyrene	20.90	2.1	ng/ul	296966	5	21.18	2789310	20.0