LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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	3.346	5	10	32	rVB	2400347	3575164	37.83%	2.873%
2	3.646	56	61	71	rVB	107379	159301	1.69%	0.128%
3	7.622	730	737	748	rBV	1524375	2701395	28.59%	2.171%
4	7.804	760	768	775	rBV	1292836	2022098	21.40%	1.625%
5	8.022	798	805	813	rBV	1620980	2656796	28.12%	2.135%
6	8.504	880	887	897	rVB	1073901	1801675	19.07%	1.448%
7	9.198	998	1005	1015	rBV	1572793	2565565	27.15%	2.062%
8	9.681	1080	1087	1095	rBV	1476210	2526025	26.73%	2.030%
9	10.410	1203	1211	1221	rBV	1169192	2030099	21.48%	1.631%
10	10.951	1296	1303	1312	rBV	1862378	3079247	32.59%	2.474%
11	11.345	1362	1370	1376	rBV	1491465	2519383	26.66%	2.025%
12	11.398	1376	1379	1384	rVV	92174	141041	1.49%	0.113%
13	11.469	1384	1391	1404	rVV	1635354	2814673	29.79%	2.262%
14	12.969	1641	1646	1655	rVB	89168	138899	1.47%	0.112%
15	13.186	1675	1683	1688	rVB	77117	124090	1.31%	0.100%
16	14.433	1888	1895	1899	rBV2	52495	102125	1.08%	0.082%
17	14.498	1899	1906	1910	rVV	3145960	4381649	46.37%	3.521%
18	14.545	1910	1914	1919	rVB	766697	1070162	11.33%	0.860%
19	14.804	1952	1958	1970	rBV	3546717	5513939	58.35%	4.431%
20	14.957	1981	1984	1989	rVB	122532	161497	1.71%	0.130%
21	15.110	2003	2010	2016	rVB2	1990530	3066407	32.45%	2.464%
22	15.169	2016	2020	2026	rVB	79898	129000	1.37%	0.104%
23	15.263	2026	2036	2050	rBV	1321953	1987986	21.04%	1.598%
24	15.498	2071	2076	2082	rVB	129199	220912	2.34%	0.178%
25	15.857	2131	2137	2140	rBV	86388	137514	1.46%	0.111%
26	15.898	2140	2144	2149	rVB2	159758	224275	2.37%	0.180%
27	16.080	2169	2175	2181	rBV	4386260	6550787	69.32%	5.264%
28	16.133	2181	2184	2188	rVV2	114010	178644	1.89%	0.144%
29	16.180	2188	2192	2199	rVB	1281068	1779700	18.83%	1.430%
30	16.316	2207	2215	2223	rVB2	54978	174499	1.85%	0.140%
31	16.568	2253	2258	2266	rVB	60183	116221	1.23%	0.093%
32	16.745	2284	2288	2291	rBV	138655	199195	2.11%	0.160%
33	17.351	2381	2391	2394	rBV7	37472	95420	1.01%	0.077%
34	17.474	2408	2412	2418	rBV	72366	104832	1.11%	0.084%

LSC Area Percent Report

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Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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

35	17.533	2418	2422	2427	rBV3	124639	181253	1.92%	0.146%
36	17.639	2436	2440	2447	rVB	105260	162985	1.72%	0.131%
37	17.821	2461	2471	2474	rBV	2523020	3700919	39.17%	2.974%
38	17.862	2474	2478	2482	rVV	2344207	3266943	34.57%	2.625%
39	17.915	2482	2487	2499	rVB	4701322	7453737	78.88%	5.990%
40	18.209	2529	2537	2542	rBV	290750	459805	4.87%	0.369%
41	18.262	2542	2546	2552	rVB	87760	119527	1.26%	0.096%
42	18.645	2606	2611	2614	rBV	471527	639519	6.77%	0.514%
43	18.674	2614	2616	2620	rVV	227824	306526	3.24%	0.246%
44	18.727	2620	2625	2632	rVB2	325608	501743	5.31%	0.403%
45	18.804	2633	2638	2643	rVB	65607	97896	1.04%	0.079%
46	18.874	2643	2650	2653	rBV2	247253	481050	5.09%	0.387%
47	18.904	2653	2655	2658	rVB	100211	101920	1.08%	0.082%
48	19.156	2693	2698	2702	rBV	197745	264243	2.80%	0.212%
49	19.204	2702	2706	2712	rVB2	129557	191333	2.02%	0.154%
50	19.556	2761	2766	2772	rBV3	139633	281074	2.97%	0.226%
51	19.703	2787	2791	2796	rBV2	84949	146627	1.55%	0.118%
52	19.827	2805	2812	2817	rVB	3634660	4887179	51.72%	3.927%
53	19.886	2818	2822	2825	rBV2	210592	265578	2.81%	0.213%
54	20.068	2846	2853	2858	rBV2	105540	236267	2.50%	0.190%
55	20.156	2861	2868	2871	rVV	6299456	9449391	100.00%	7.593%
56	20.186	2871	2873	2879	rVV	3114778	3370763	35.67%	2.709%
57	20.245	2879	2883	2889	rVB	135989	185313	1.96%	0.149%
58	20.351	2897	2901	2906	rVB2	164049	241036	2.55%	0.194%
59	20.486	2919	2924	2931	rBV3	153614	383201	4.06%	0.308%
60	20.656	2950	2953	2958	rVB2	242031	334854	3.54%	0.269%
61	20.756	2966	2970	2973	rBV2	125097	165075	1.75%	0.133%
62	20.815	2978	2980	2984	rVB2	150862	168152	1.78%	0.135%
63	20.950	3000	3003	3007	rBV	103737	141572	1.50%	0.114%
64	21.386	3074	3077	3084	rBV	178857	244568	2.59%	0.197%
65	21.562	3102	3107	3110	rBV2	491354	728405	7.71%	0.585%
66	21.633	3115	3119	3123	rVV2	272098	402890	4.26%	0.324%
67	21.674	3124	3126	3135	rVB2	210076	278181	2.94%	0.224%
68	21.909	3158	3166	3170	rBV2	3623742	7119764	75.35%	5.721%
69	21.945	3170	3172	3181	rVB	1347411	1747291	18.49%	1.404%
70	22.239	3220	3222	3228	rVB2	178784	242643	2.57%	0.195%
71	23.562	3443	3447	3451	rVB	562770	802076	8.49%	0.645%

LSC Area Percent Report

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Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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

72	23.633	3453	3459	3465	rBV	1066709	2663870	28.19%	2.141%
73	24.174	3546	3551	3554	rBV	597098	1164922	12.33%	0.936%
74	24.233	3555	3561	3567	rVV	4248825	8854834	93.71%	7.116%
75	24.280	3567	3569	3577	rVB	903128	1488721	15.75%	1.196%
76	24.391	3581	3588	3595	rBV	2118793	4422886	46.81%	3.554%
77	24.933	3675	3680	3687	rVB2	518913	1044870	11.06%	0.840%

Sum of corrected areas: 124441617

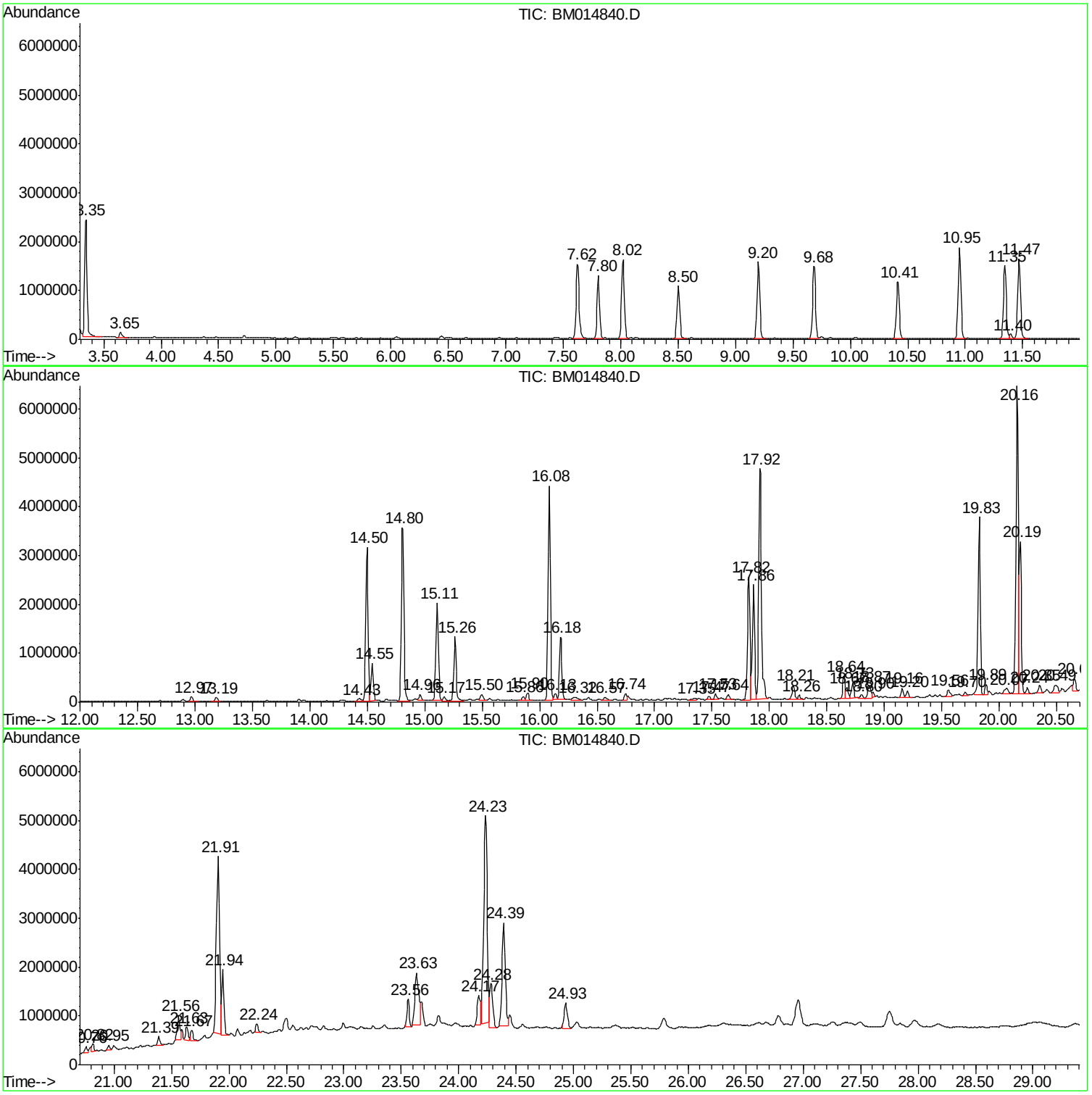
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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

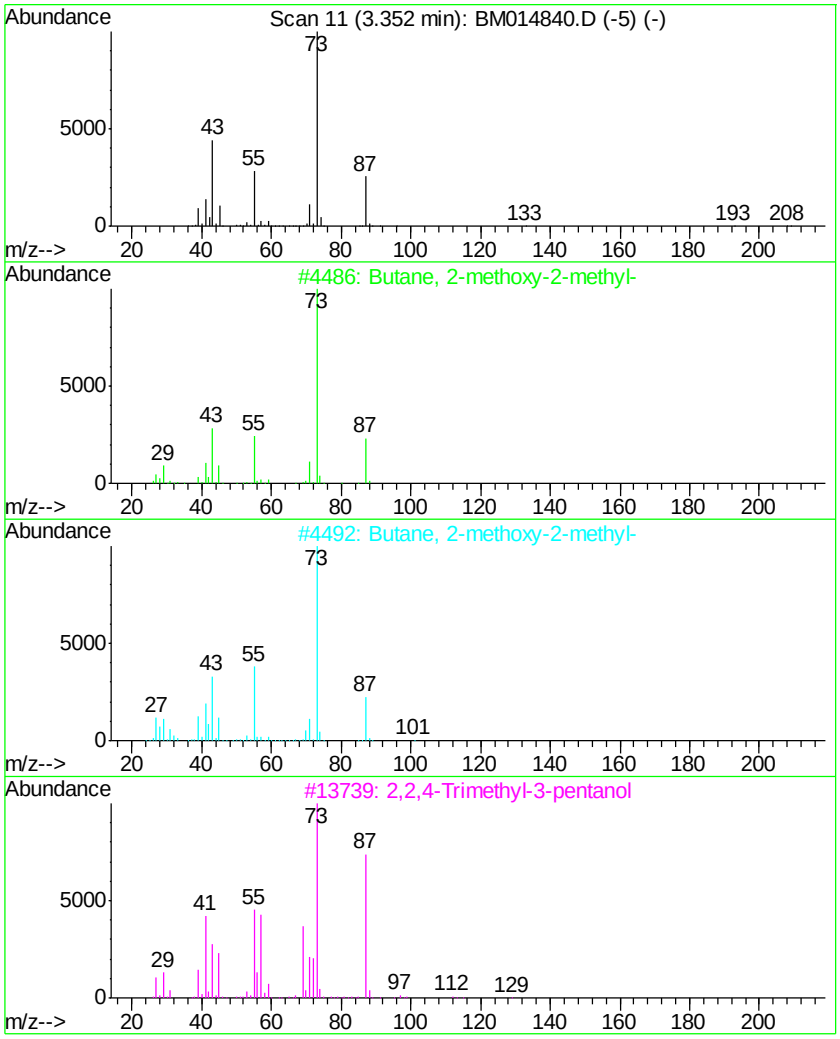
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

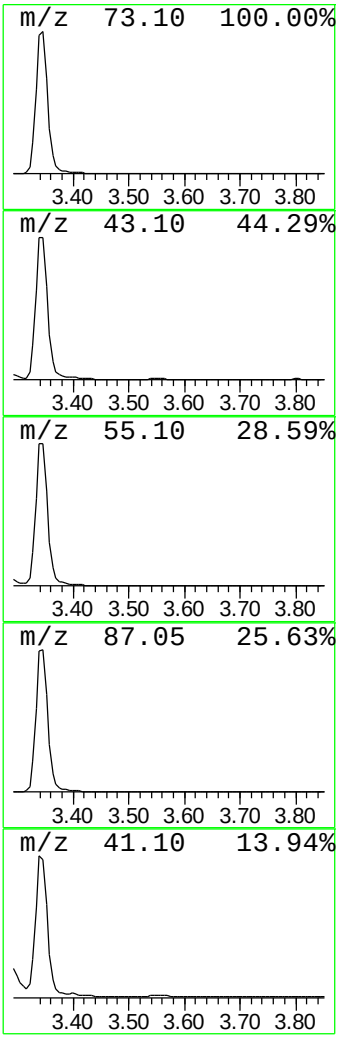
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.35	39.69 ng/ul	3575160	1,4-Dichlorobenzene-d4	8.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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

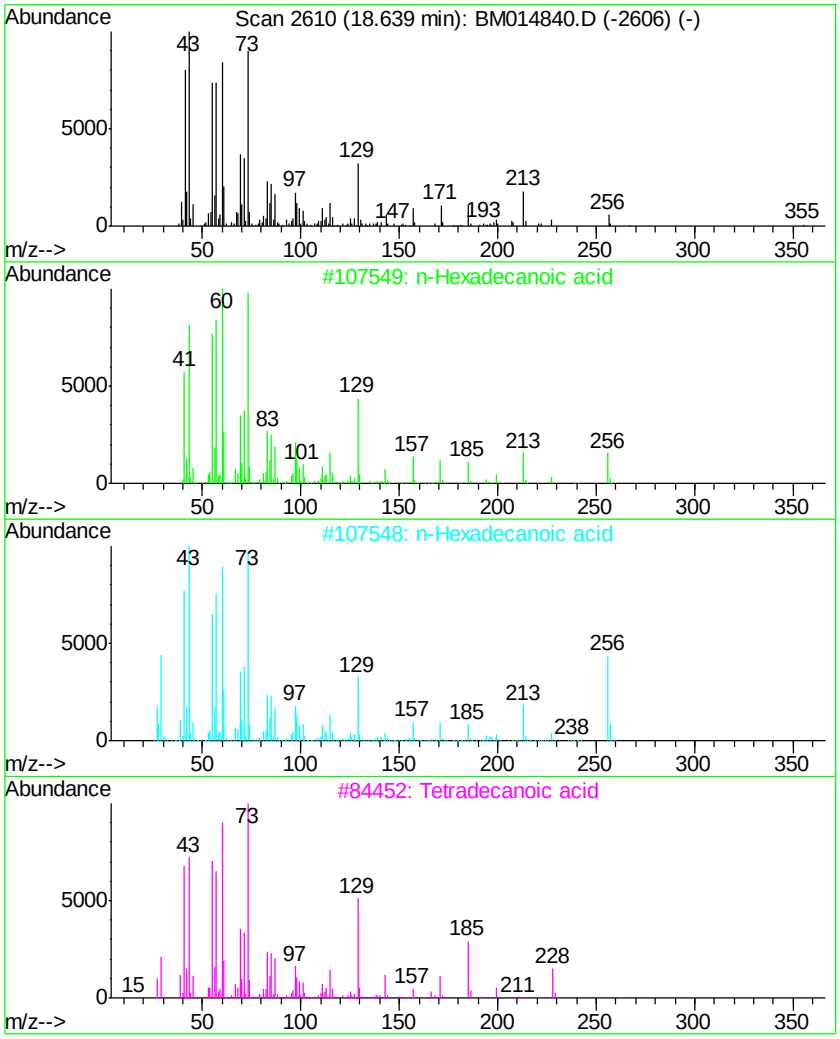
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

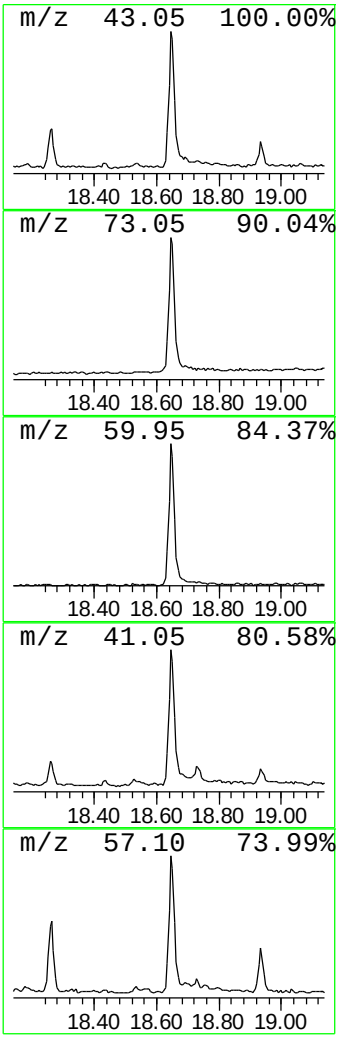
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	3.46 ng/ul	639519	Phenanthrene-d10	17.82

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	96
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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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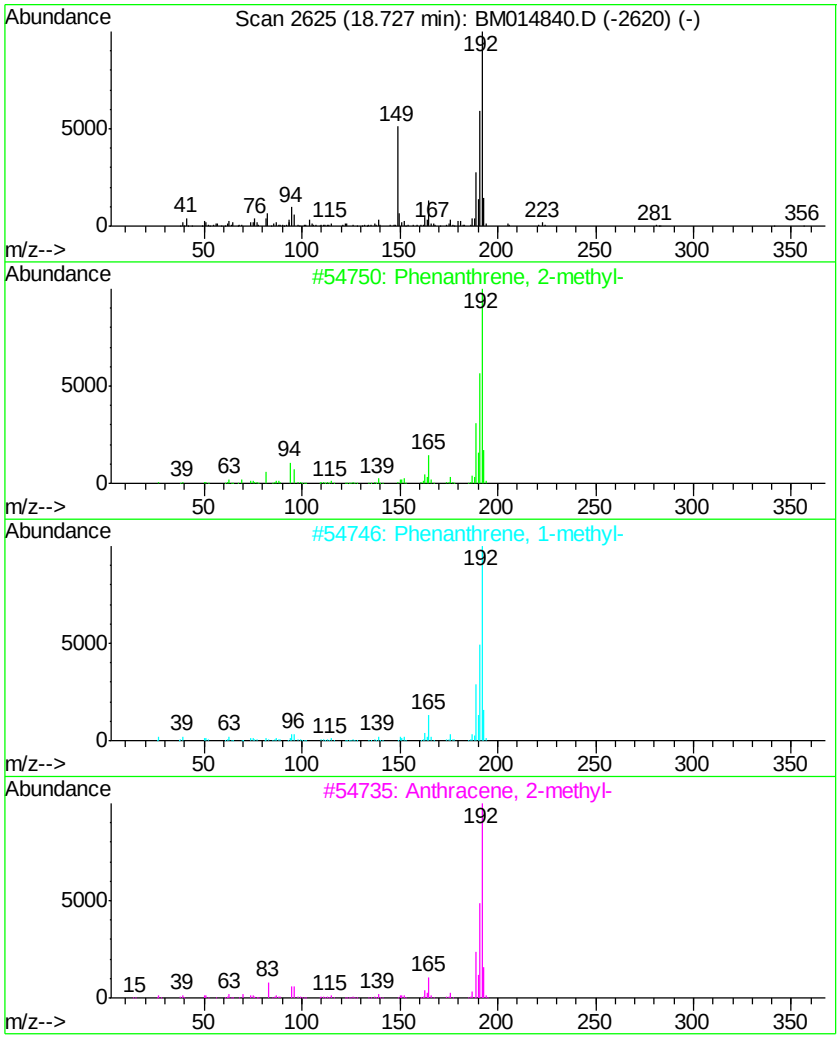
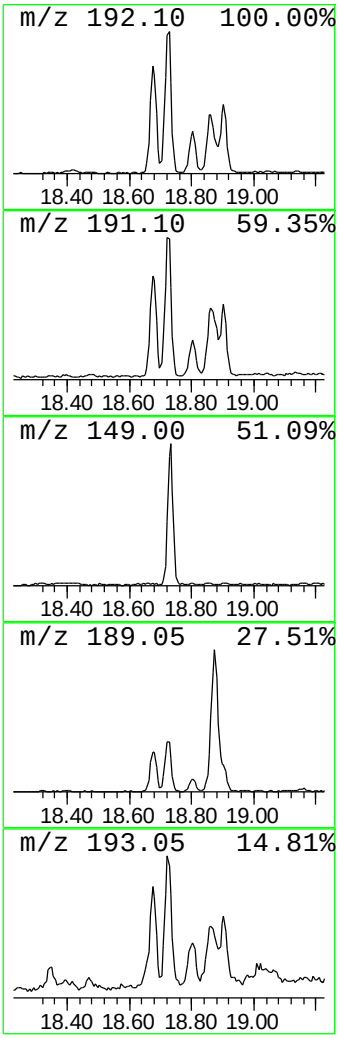
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.71 ng/ul	501743	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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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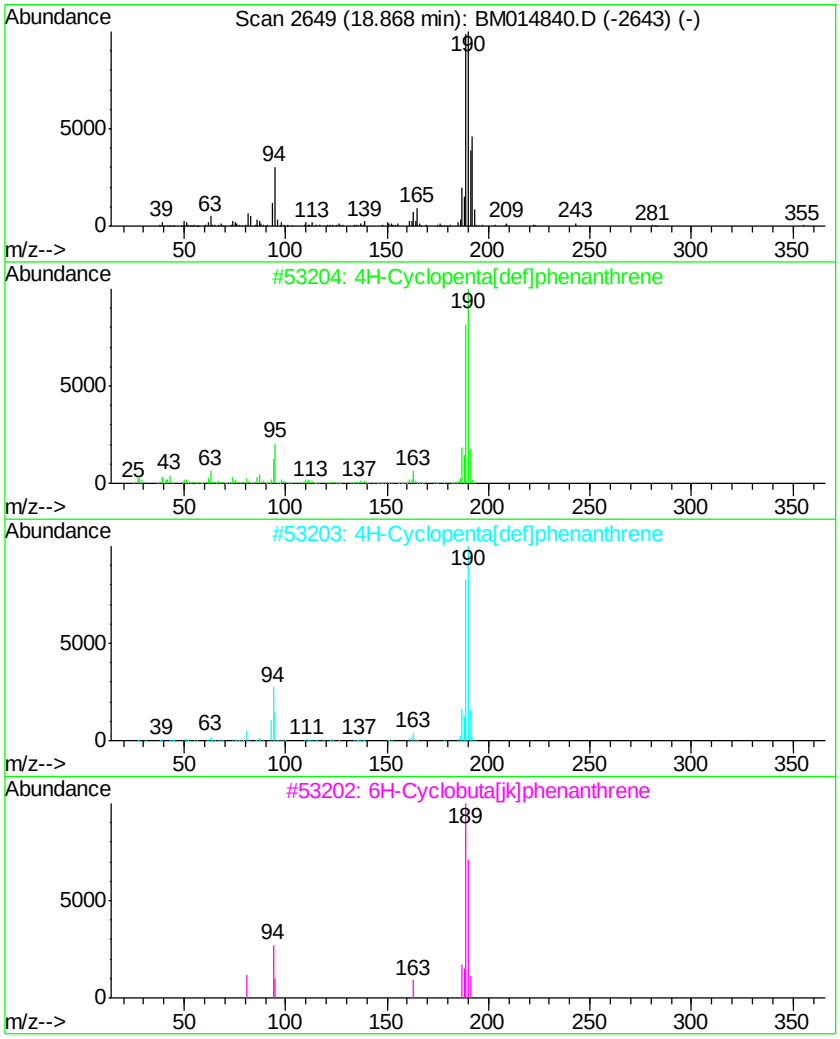
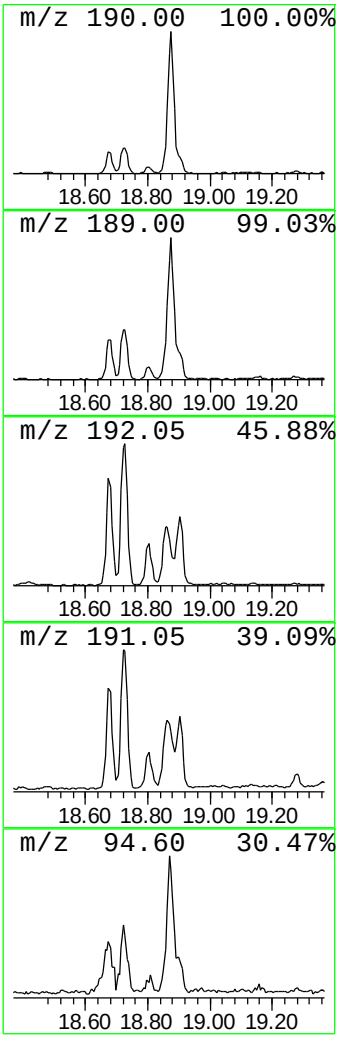
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.60 ng/ul	481050	Phenanthrene-d10	17.82

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	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	53
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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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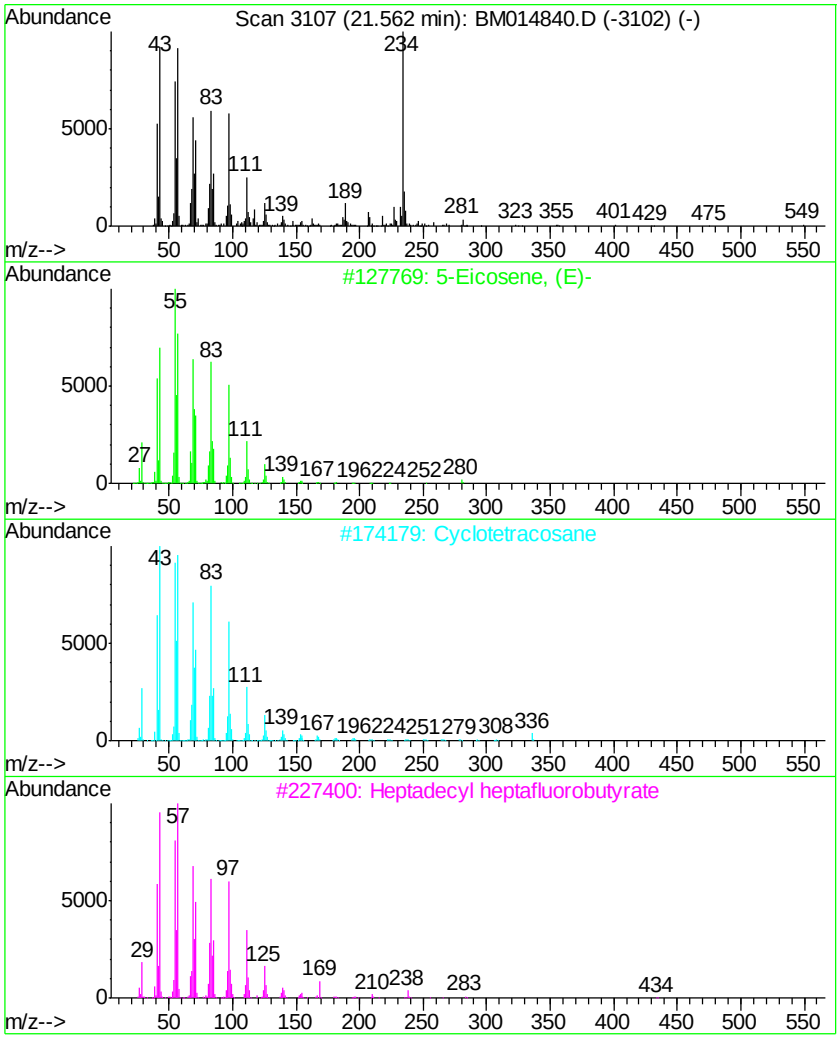
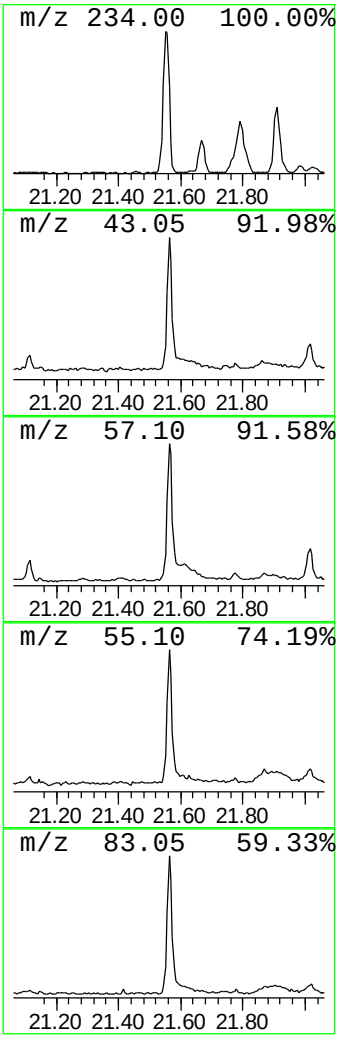
Peak Number 5 (DEL) Alkane: Cyclic21.56 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.05 ng/ul	728405	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	Cyclotetracosane	336	C24H48	000297-03-0	90
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
4	1-Docosene	308	C22H44	001599-67-3	86
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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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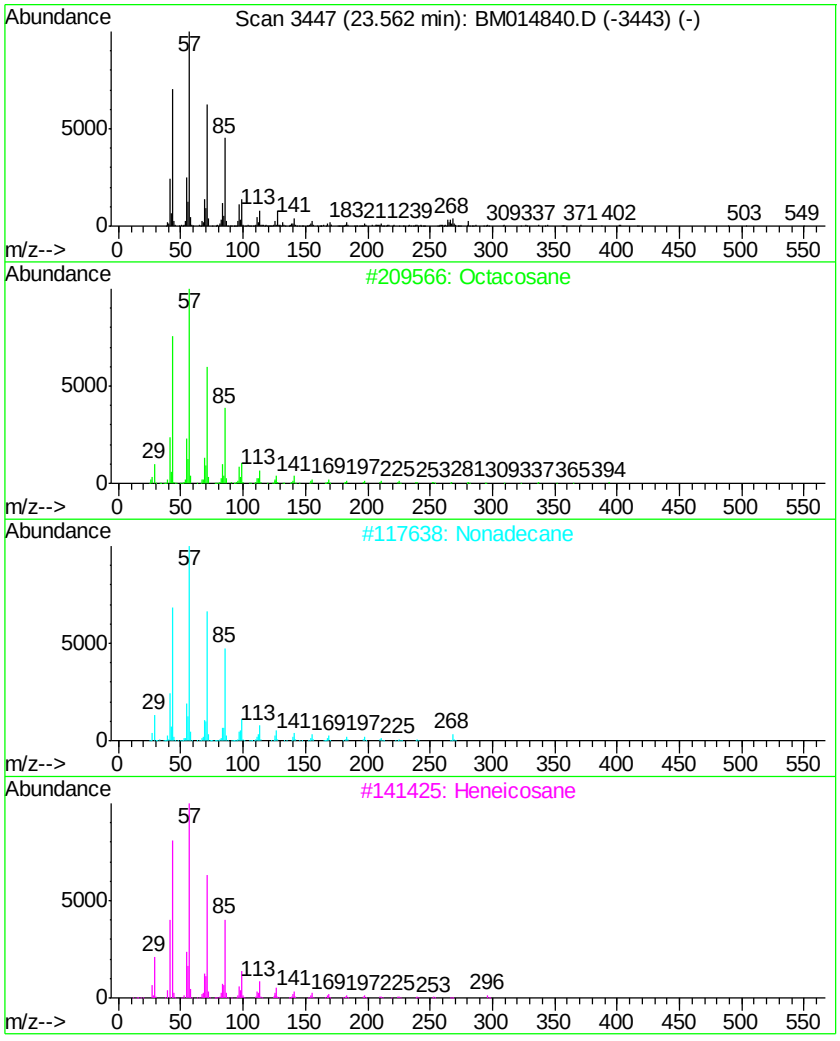
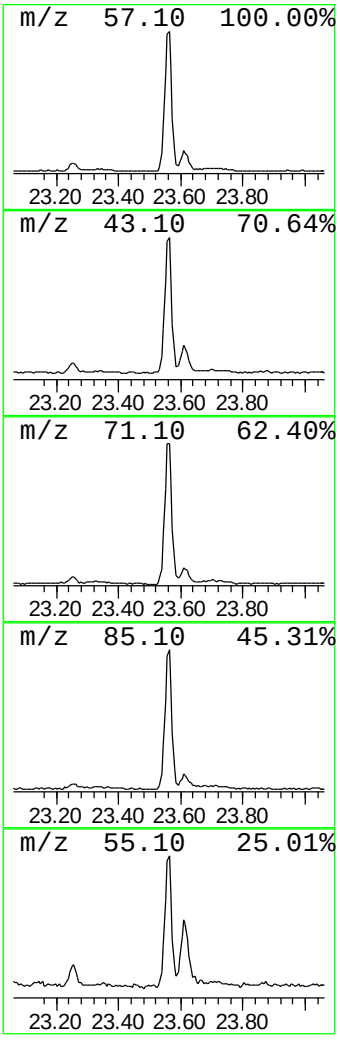
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.56	3.63 ng/ul	802076	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Nonadecane	268	C19H40	000629-92-5	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	Hexatriacontane	507	C36H74	000630-06-8	87
5	Eicosane	282	C20H42	000112-95-8	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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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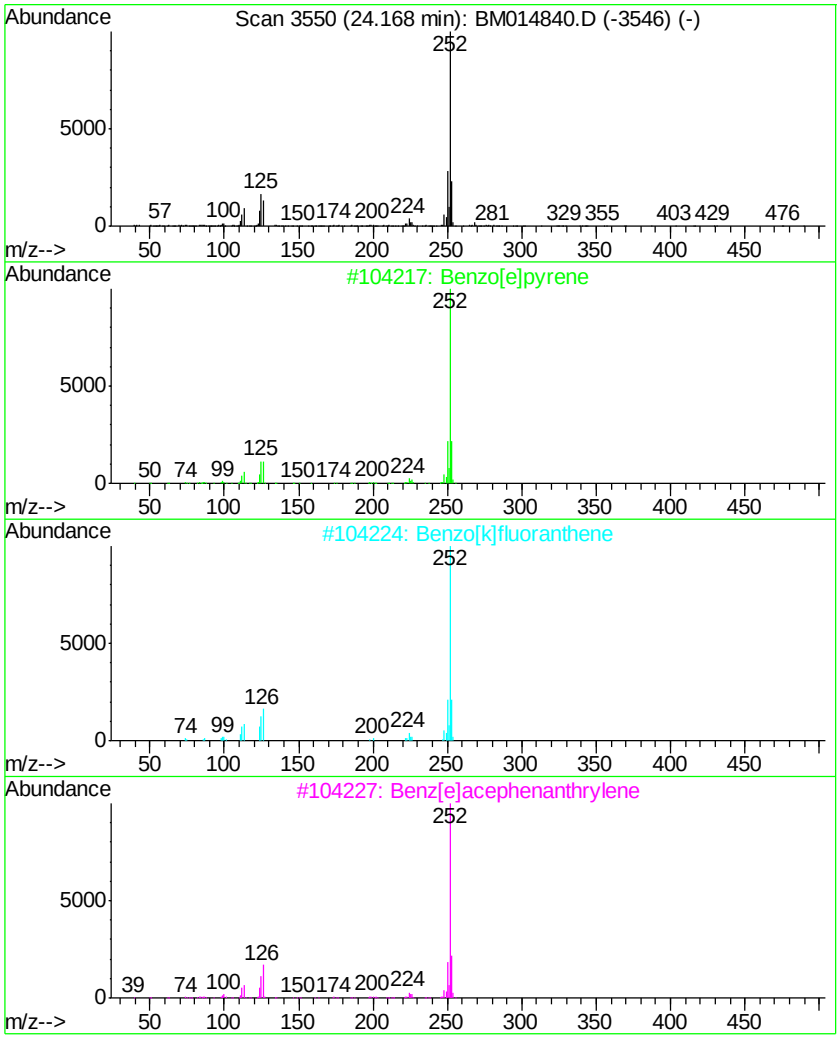
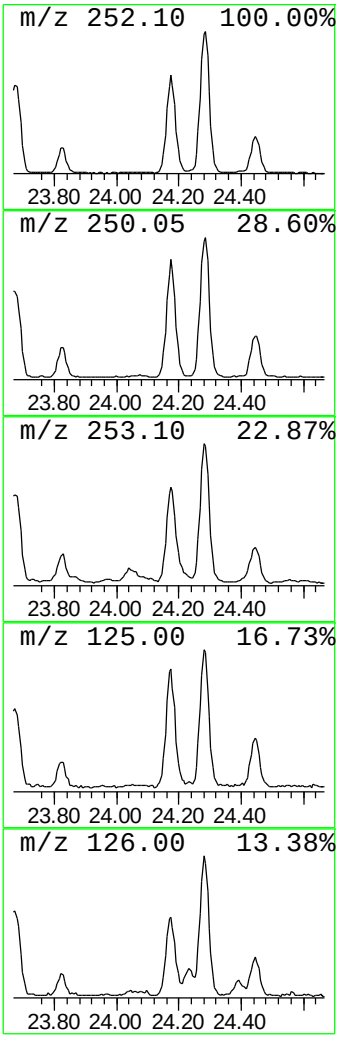
Peak Number 7 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.17	5.27 ng/ul	1164920	Perylene-d12	24.39

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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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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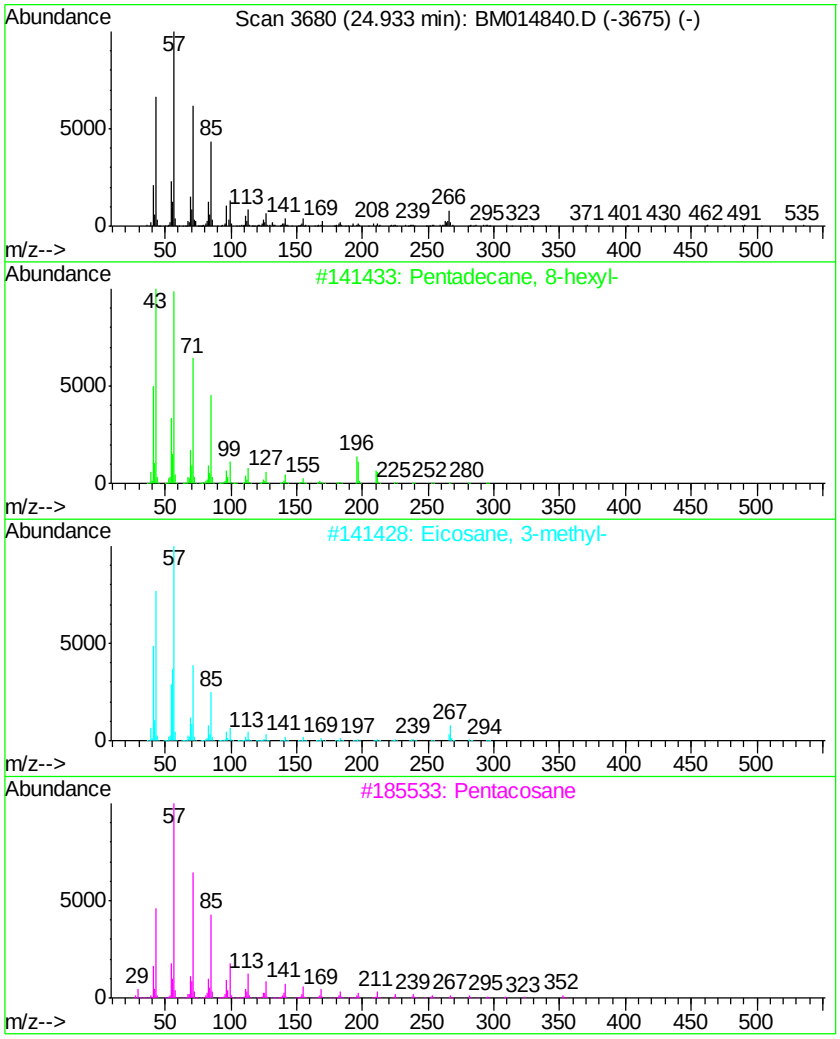
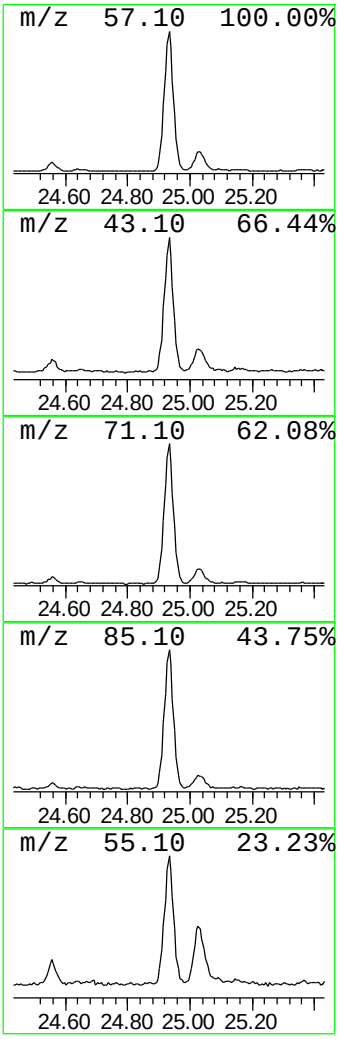
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.93	4.72 ng/ul	1044870	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
2	Eicosane, 3-methyl-	296	C21H44	006418-46-8	89
3	Pentacosane	352	C25H52	000629-99-2	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Tetracosane	338	C24H50	000646-31-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042518\
Data File : BM014840.D
Acq On : 25 Apr 2018 18:57
Operator : SJ/JU
Sample : J2449-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD8

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
Butane, 2-methoxy...	3.35	39.7	ng/ul	3575160	1	8.50	1801680	20.0
n-Hexadecanoic acid	18.64	3.5	ng/ul	639519	4	17.82	3700920	20.0
Phenanthrene, 2-m...	18.73	2.7	ng/ul	501743	4	17.82	3700920	20.0
4H-Cyclopenta[def...	18.87	2.6	ng/ul	481050	4	17.82	3700920	20.0
(DEL) Alkane: Cyc...	21.56	2.0	ng/ul	728405	5	21.91	7119760	20.0
(DEL) Alkane: Str...	23.56	3.6	ng/ul	802076	6	24.39	4422890	20.0
Benzo[e]pyrene	24.17	5.3	ng/ul	1164920	6	24.39	4422890	20.0
(DEL) Alkane: Str...	24.93	4.7	ng/ul	1044870	6	24.39	4422890	20.0