LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

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-BM052717.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	7.110	676	684	694	rBV2	741925	1390329	21.25%	1.757%
2	7.263	703	710	720	rBV	653476	1049456	16.04%	1.327%
3	7.463	735	744	755	rBV	947741	1529354	23.37%	1.933%
4	7.922	813	822	832	rBV	1143876	1814651	27.73%	2.294%
5	8.645	939	945	956	rBV	718868	1217806	18.61%	1.539%
6	9.110	1017	1024	1032	rBV	854946	1460045	22.31%	1.846%
7	9.822	1137	1145	1152	rBV	635964	1090628	16.67%	1.379%
8	10.351	1229	1235	1247	rBV	1096995	1873587	28.64%	2.368%
9	10.728	1292	1299	1308	rBV	1367145	2261477	34.56%	2.859%
10	10.898	1320	1328	1337	rBV	216206	450550	6.89%	0.570%
11	13.968	1843	1850	1855	rBV	1815979	2500117	38.21%	3.160%
12	14.016	1855	1858	1868	rVB	348216	479652	7.33%	0.606%
13	14.257	1891	1899	1908	rBV	2301614	3337973	51.02%	4.219%
14	14.557	1944	1950	1959	rVB2	2017290	3057340	46.73%	3.865%
15	14.768	1981	1986	1989	rBV3	152498	210595	3.22%	0.266%
16	14.810	1989	1993	1996	rVV5	54509	98180	1.50%	0.124%
17	15.545	2112	2118	2128	rVB	2996036	4323276	66.08%	5.465%
18	15.668	2130	2139	2145	rBV	404342	623305	9.53%	0.788%
19	16.045	2198	2203	2210	rBV3	245907	401753	6.14%	0.508%
20	16.198	2224	2229	2234	rBV4	86115	151253	2.31%	0.191%
21	16.992	2360	2364	2367	rBV4	57430	73848	1.13%	0.093%
22	17.157	2388	2392	2394	rBV5	60237	91402	1.40%	0.116%
23	17.304	2410	2417	2426	rVB	2470944	3535959	54.04%	4.470%
24	17.404	2427	2434	2442	rBV	3207019	4659055	71.21%	5.889%
25	17.727	2484	2489	2492	rBV5	54645	78327	1.20%	0.099%
26	18.033	2538	2541	2548	rVB8	84683	122088	1.87%	0.154%
27	18.098	2548	2552	2556	rBV7	52434	83869	1.28%	0.106%
28	18.151	2556	2561	2567	rBV	375827	577026	8.82%	0.729%
29	18.209	2567	2571	2579	rVB7	144199	230509	3.52%	0.291%
30	18.327	2587	2591	2595	rVB5	172187	207941	3.18%	0.263%
31	18.392	2597	2602	2607	rBV6	116045	193523	2.96%	0.245%
32	18.456	2607	2613	2622	rVV2	783199	1200065	18.34%	1.517%
33	18.556	2626	2630	2636	rVB4	181084	248086	3.79%	0.314%
34	18.727	2656	2659	2662	rBV3	99187	102501	1.57%	0.130%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

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-BM052717.M
Title : SVOA CALIBRATION

35	18.886	2682	2686	2691	rBV	254673	333492	5.10%	0.422%
36	19.086	2715	2720	2724	rVV	736773	962288	14.71%	1.216%
37	19.121	2724	2726	2729	rVV4	118437	142497	2.18%	0.180%
38	19.151	2729	2731	2735	rVB4	96108	102127	1.56%	0.129%
39	19.327	2755	2761	2764	rBV4	199376	326898	5.00%	0.413%
40	19.380	2765	2770	2774	rVV	600378	877057	13.40%	1.109%
41	19.415	2774	2776	2778	rVV3	243714	298401	4.56%	0.377%
42	19.450	2778	2782	2793	rVB	1227199	1642427	25.10%	2.076%
43	19.686	2816	2822	2833	rBV	4319023	6030686	92.17%	7.623%
44	20.103	2890	2893	2897	rVB	245100	286907	4.38%	0.363%
45	20.156	2898	2902	2906	rBV3	154323	194090	2.97%	0.245%
46	20.274	2919	2922	2929	rBV8	147331	233758	3.57%	0.295%
47	20.392	2938	2942	2950	rBV	744697	1059707	16.20%	1.340%
48	20.962	3036	3039	3044	rBV6	206529	312709	4.78%	0.395%
49	21.109	3061	3064	3065	rBV	300108	296499	4.53%	0.375%
50	21.139	3065	3069	3084	rVB	1808312	3061331	46.79%	3.870%
51	21.462	3120	3124	3131	rVB	3992659	4873367	74.48%	6.160%
52	21.986	3210	3213	3216	rVB	438075	470297	7.19%	0.594%
53	22.709	3333	3336	3344	rVB5	440671	666354	10.18%	0.842%
54	22.974	3378	3381	3387	rVB4	611879	892731	13.64%	1.128%
55	23.662	3492	3498	3506	rVB2	3491318	6542924	100.00%	8.271%
56	23.815	3518	3524	3532	rVB	2443512	4840801	73.99%	6.119%
57	24.333	3607	3612	3628	rVB2	1396005	3938367	60.19%	4.978%

Sum of corrected areas: 79111241

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Sample : I3164-06
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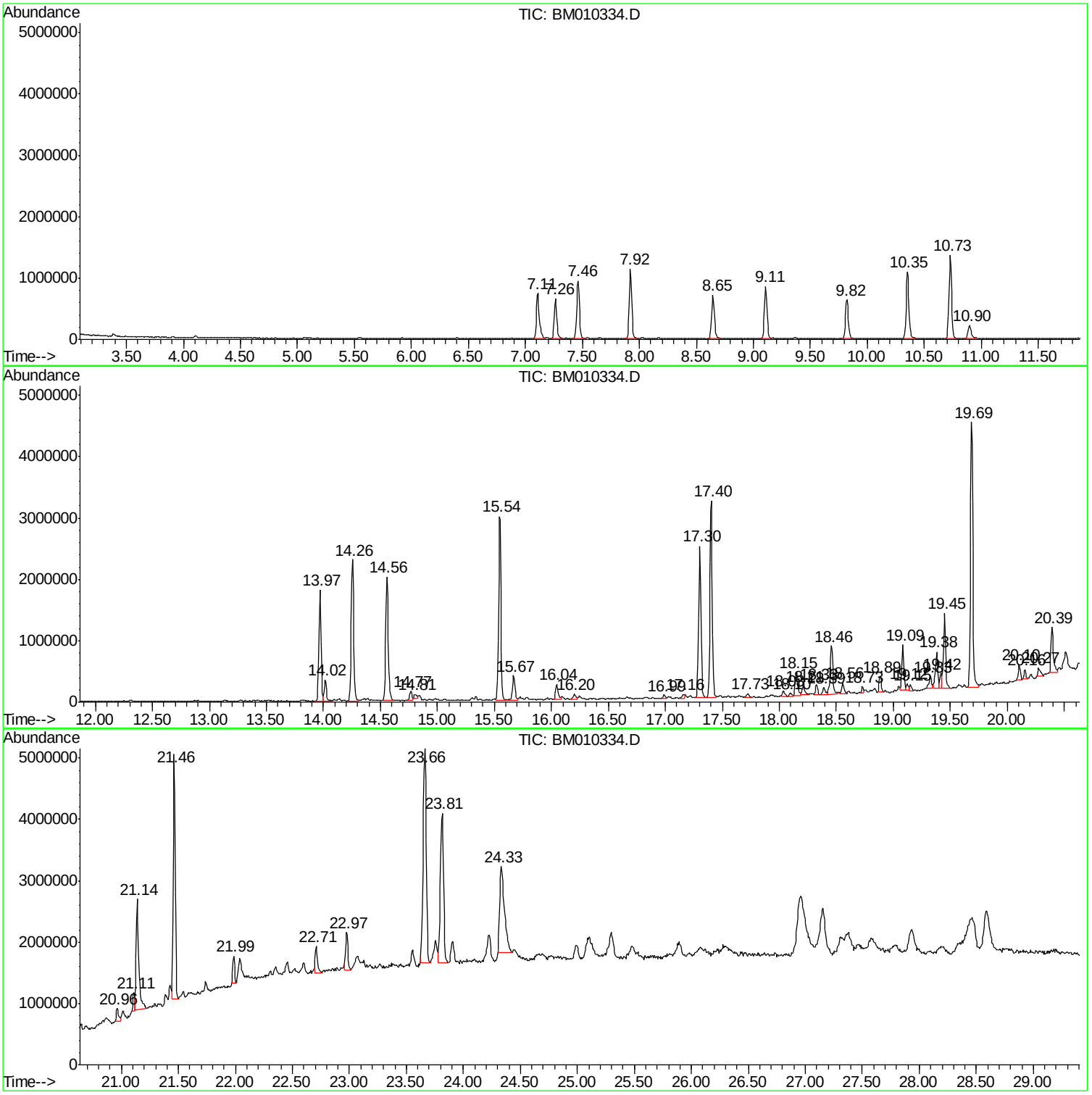
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
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Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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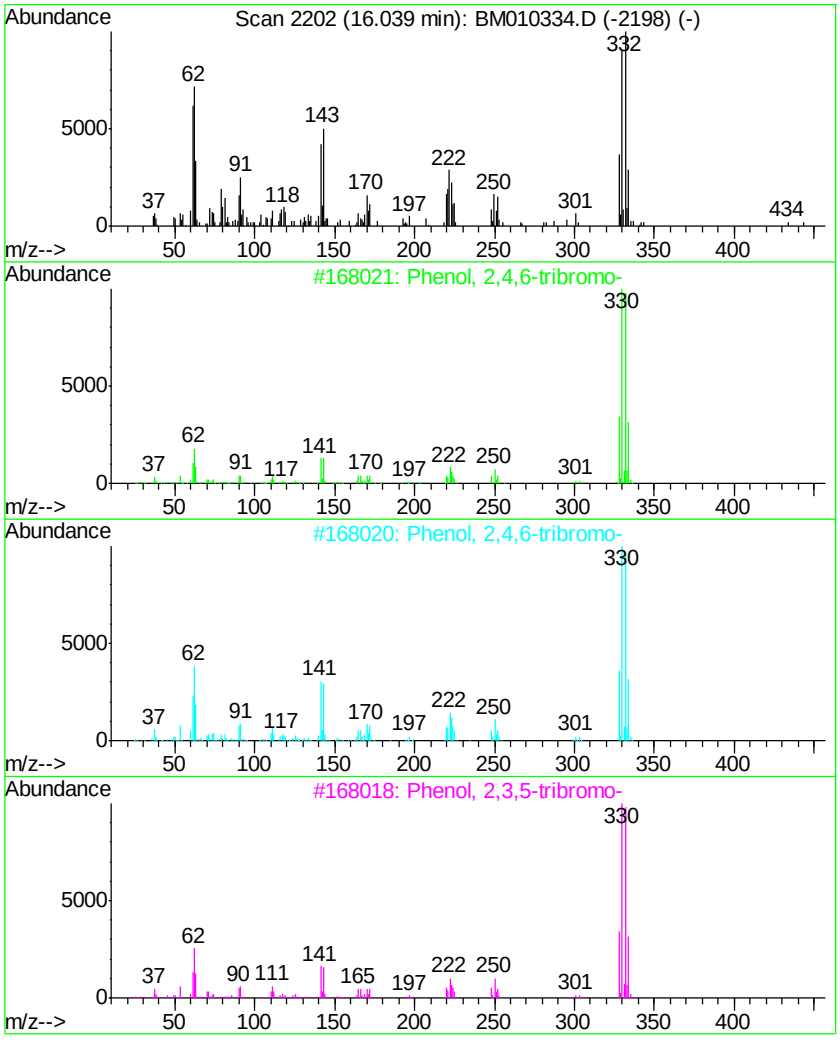
TIC Integration Parameters: LSCINT.P

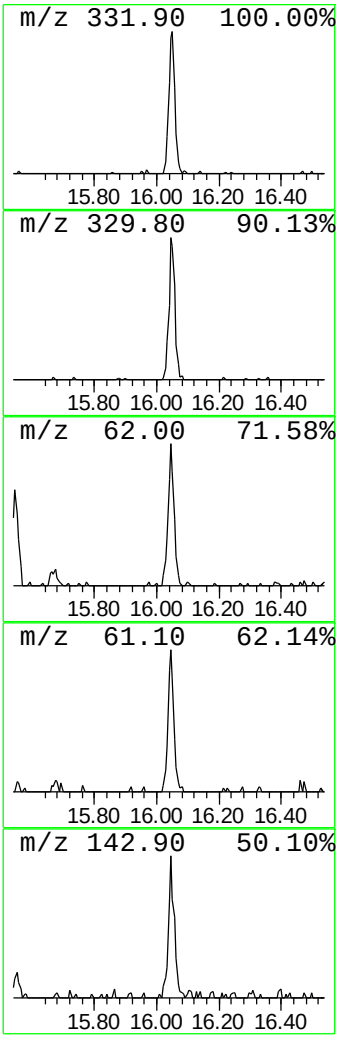
****

Peak Number 1 Phenol, 2,4,6-tribromo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.27 ng/ul	401753	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	99
2	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	99
3	Phenol, 2,3,5-tribromo-	328	C6H3Br3O	057383-81-0	99
4	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	95
5	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

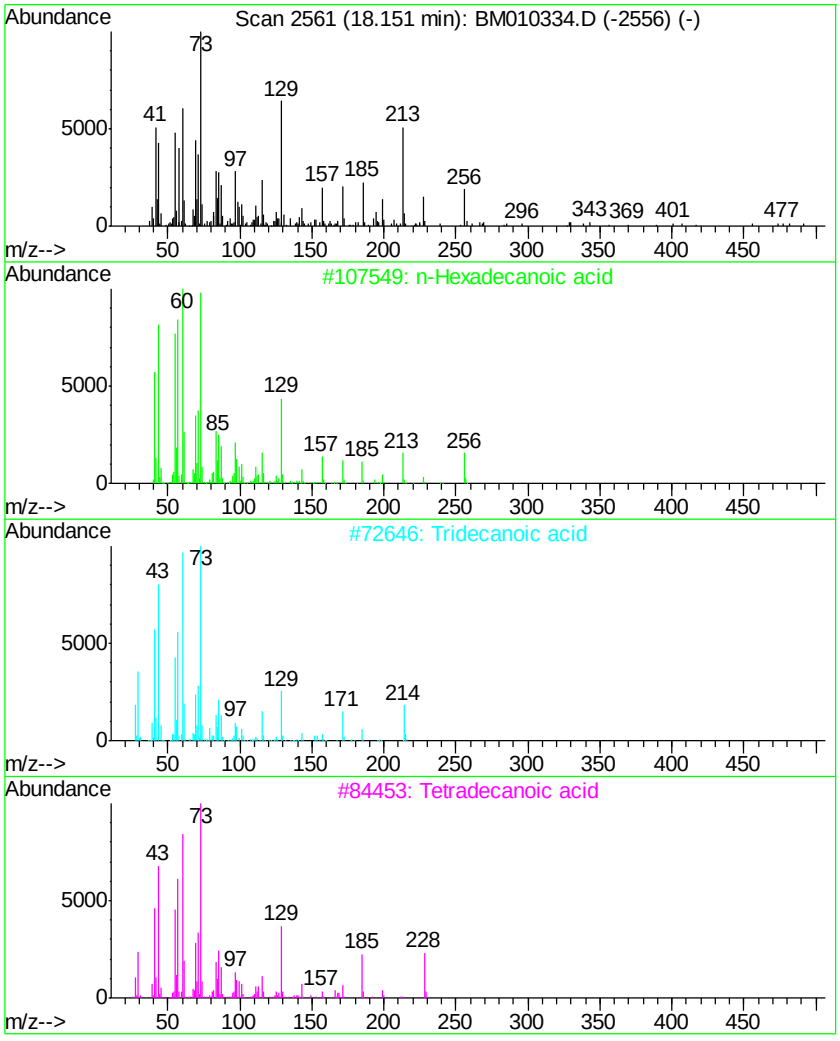
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

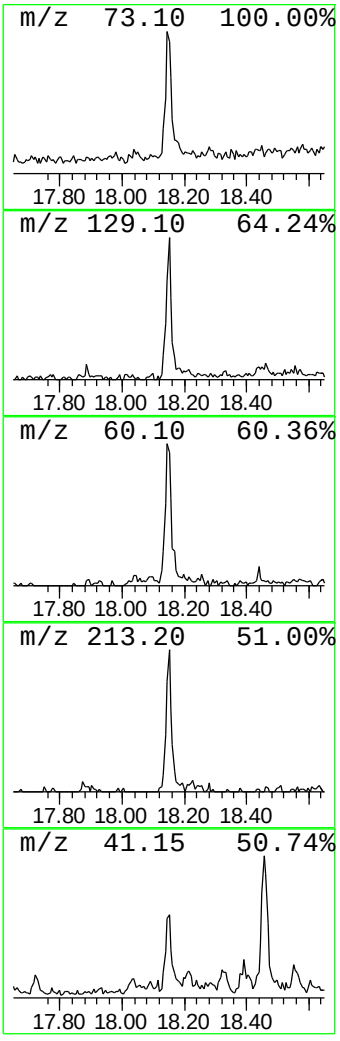
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.26 ng/ul	577026	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	62
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	62





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Data File : BM010334.D
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Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

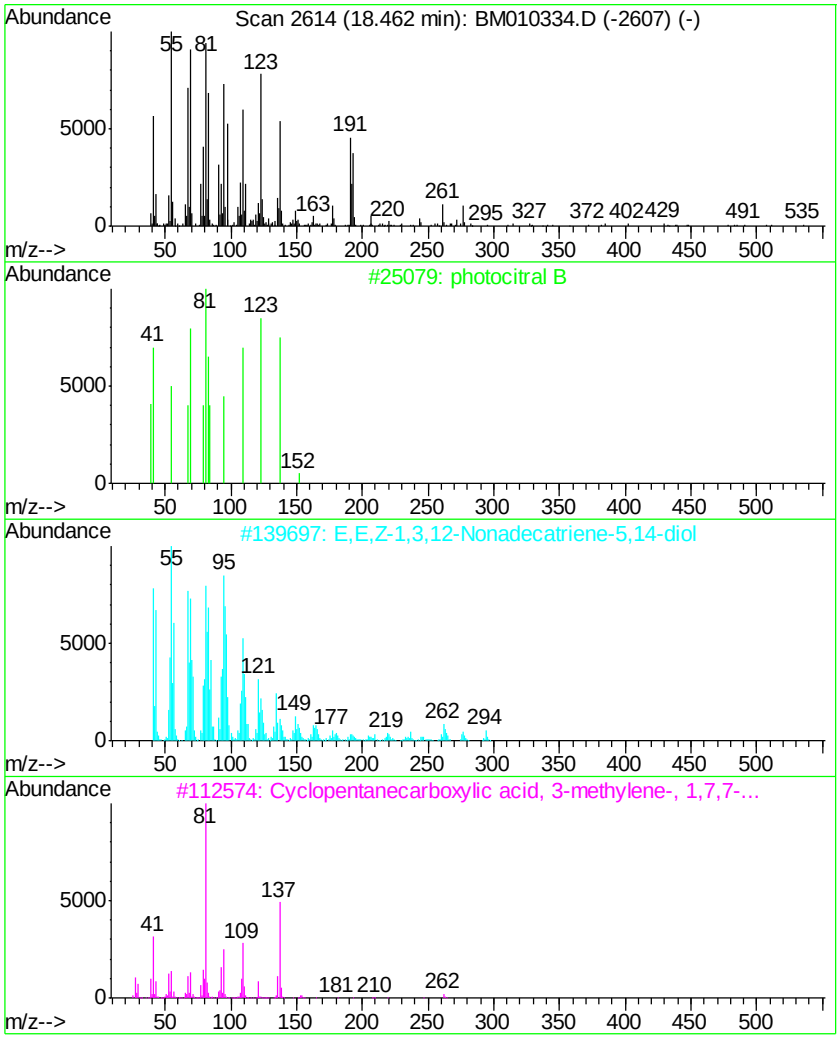
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

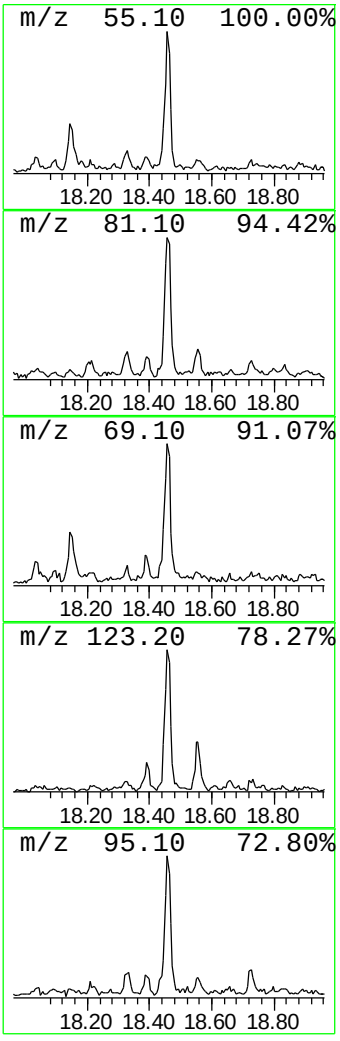
****

Peak Number 3 photocitral B Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	6.79 ng/ul	1200070	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	photocitral B	152	C10H16O	006040-45-5	70
2	E,E,Z-1,3,12-Nonadecatriene-5,14...	294	C19H34O2	1000131-11-4	58
3	Cyclopentanecarboxylic acid, 3-m...	262	C17H26O2	074793-59-2	30
4	3-Dodecyne	166	C12H22	006790-27-8	27
5	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	22





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
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Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

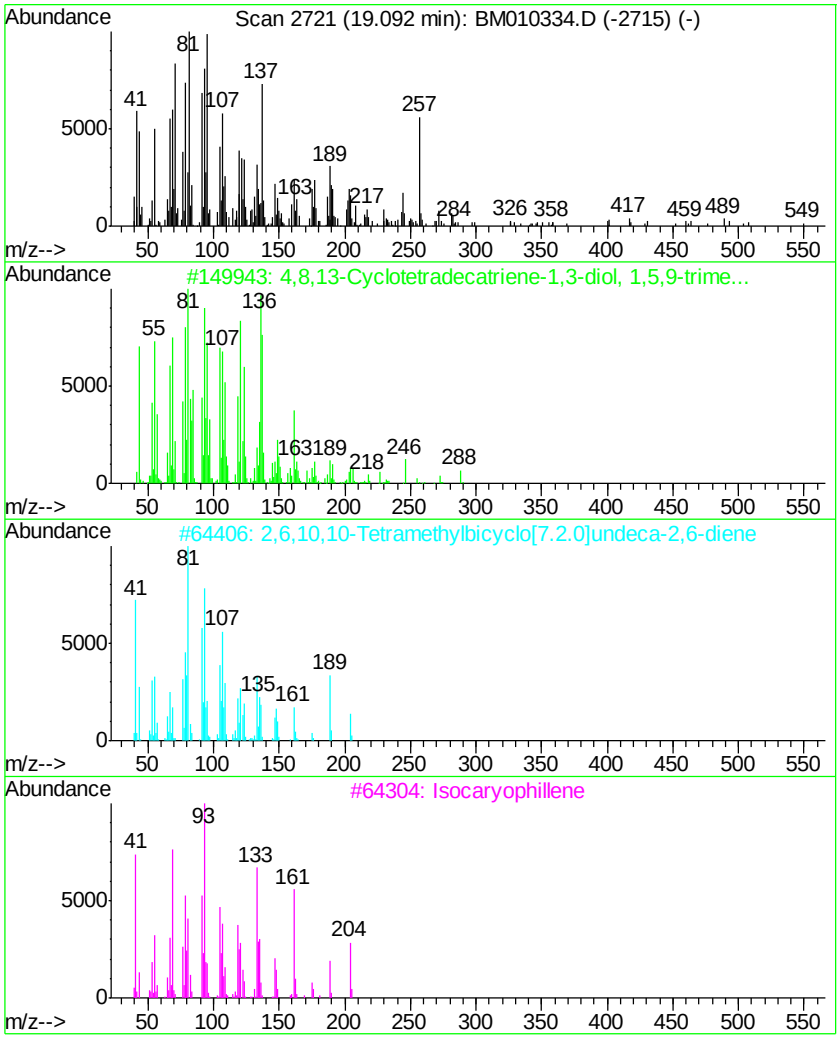
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

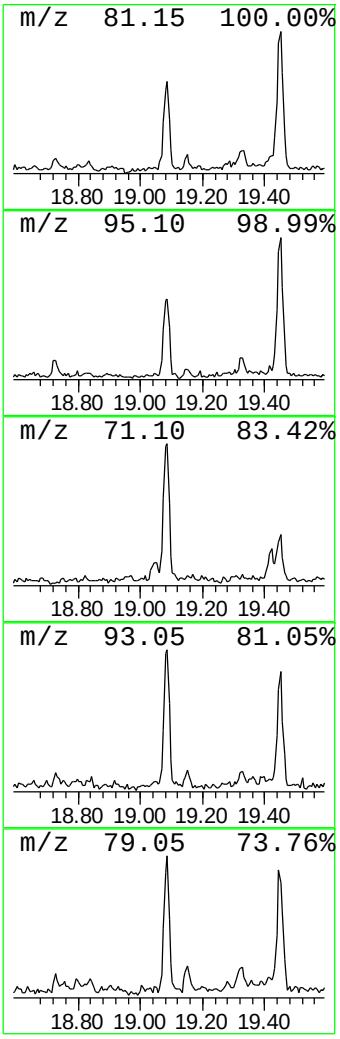
****

Peak Number 4 4,8,13-Cyclotetradecatriene... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	5.44 ng/ul	962288	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8,13-Cyclotetradecatriene-1,3-...	306	C20H34O2	007220-78-2	62
2	2,6,10,10-Tetramethylbicyclo[7.2...	204	C15H24	136296-37-2	51
3	Isocaryophillene	204	C15H24	1000140-07-2	45
4	.beta.-Bisabolene	204	C15H24	000495-61-4	38
5	3-Tetradecen-5-yne, (E)-	192	C14H24	074744-44-8	35





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Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

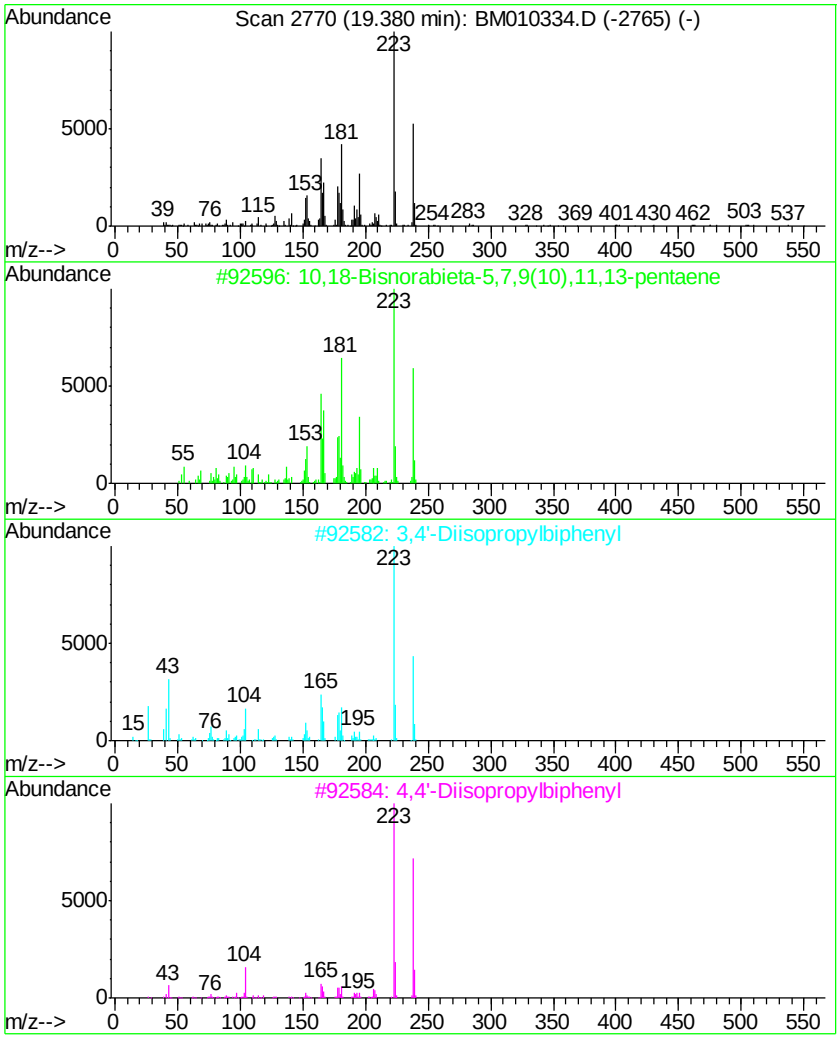
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

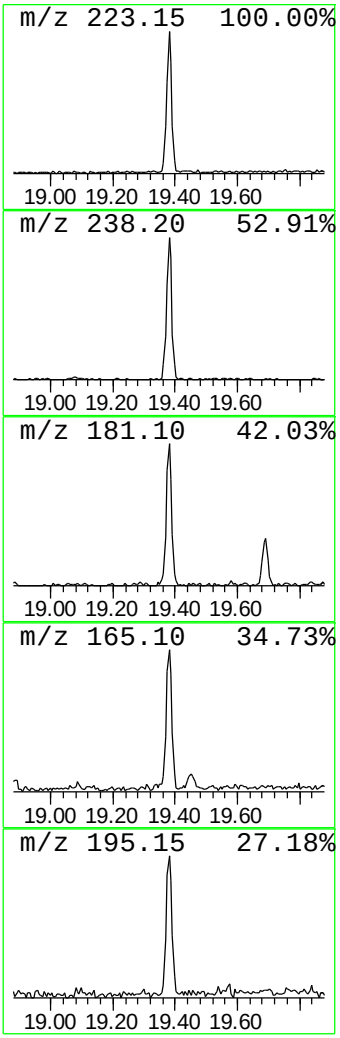
****

Peak Number 5 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	4.96 ng/ul	877057	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	62
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
4	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	50
5	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	50





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ALS Vial : 8 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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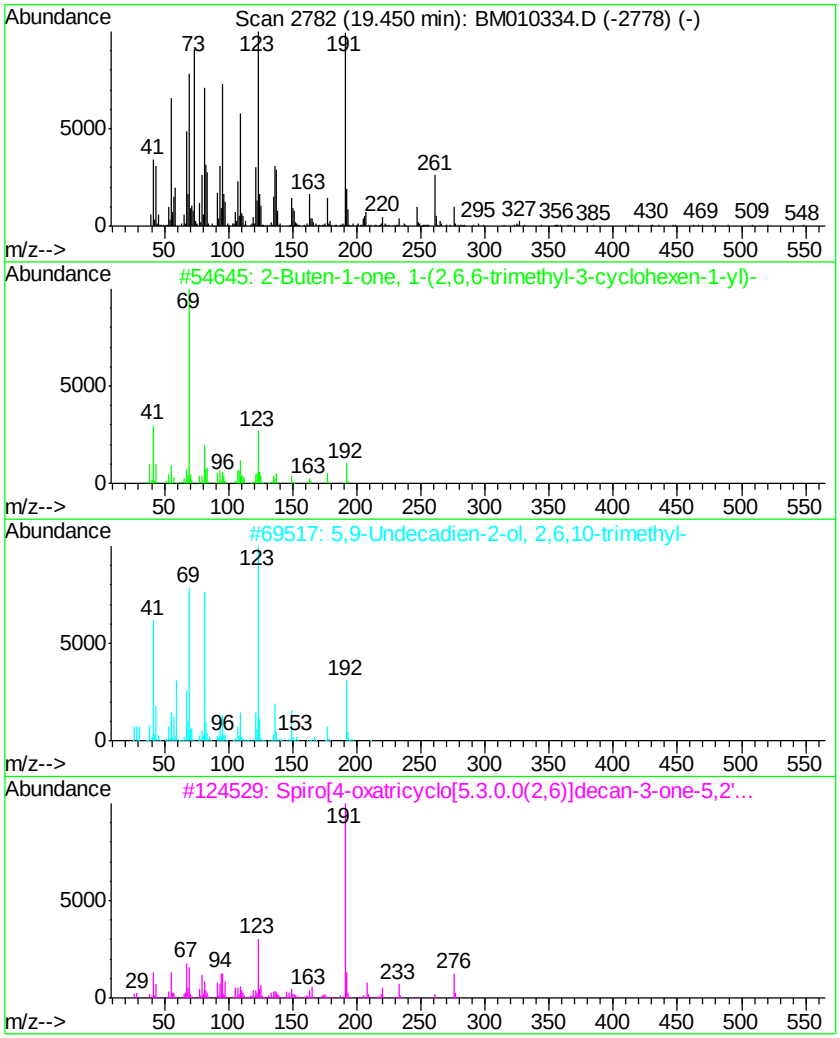
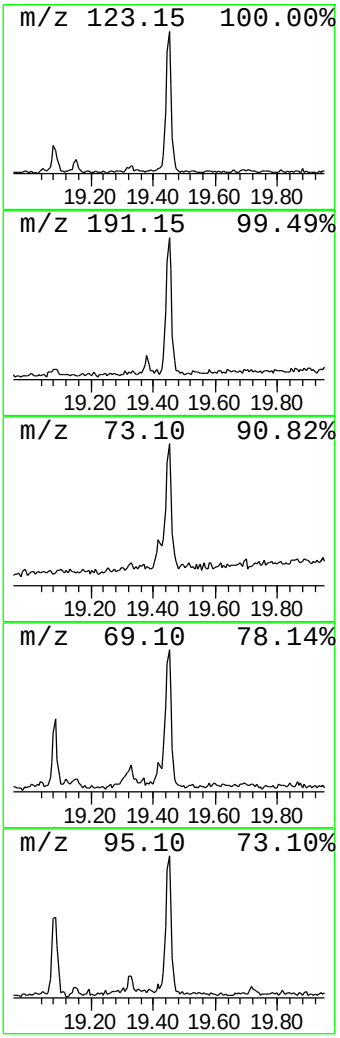
Peak Number 6 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	6.74 ng/ul	1642430	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-one, 1-(2,6,6-trimethy...	192	C13H20O	041436-42-4	43
2	5,9-Undecadien-2-ol, 2,6,10-trim...	210	C14H26O	021980-62-1	38
3	Spiro[4-oxatricyclo[5.3.0.0(2,6)...	276	C18H28O2	1000156-82-9	30
4	Vinyltris(cyclopropyl)silane	178	C11H18Si	1000109-97-3	27
5	Butanamide, 3-(3-fluorobenzoylhy...	345	C18H17F2N3O2	1000260-11-6	27





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

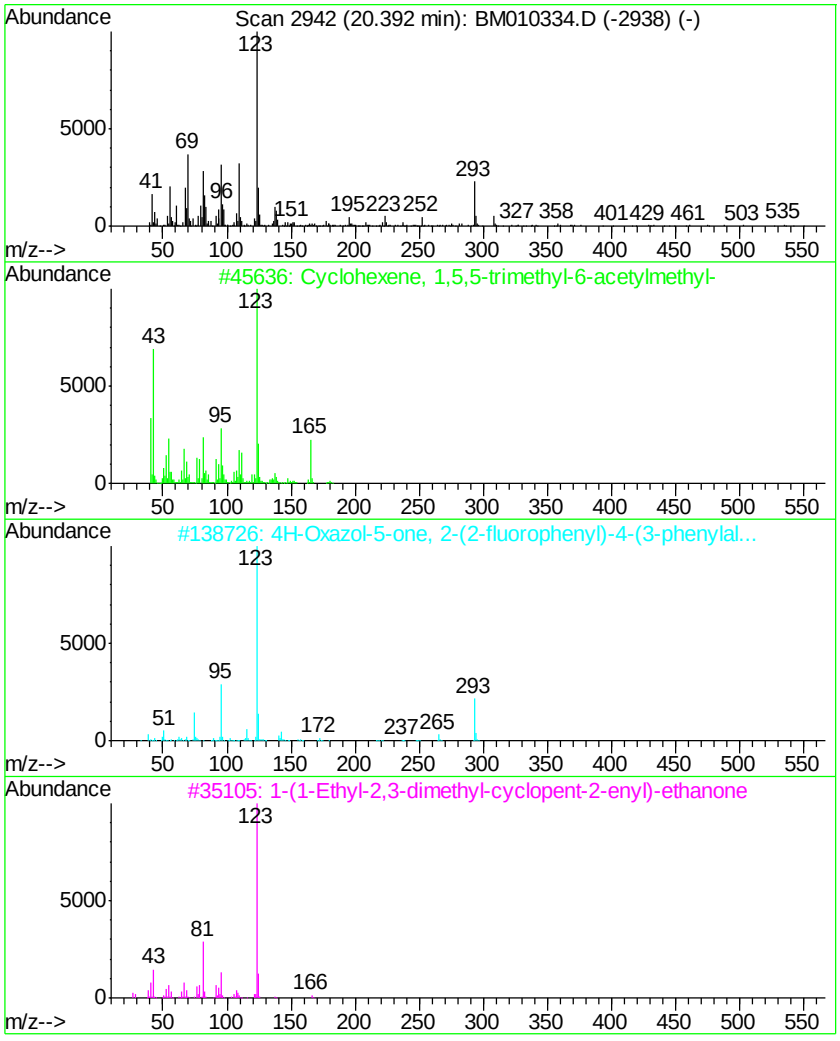
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

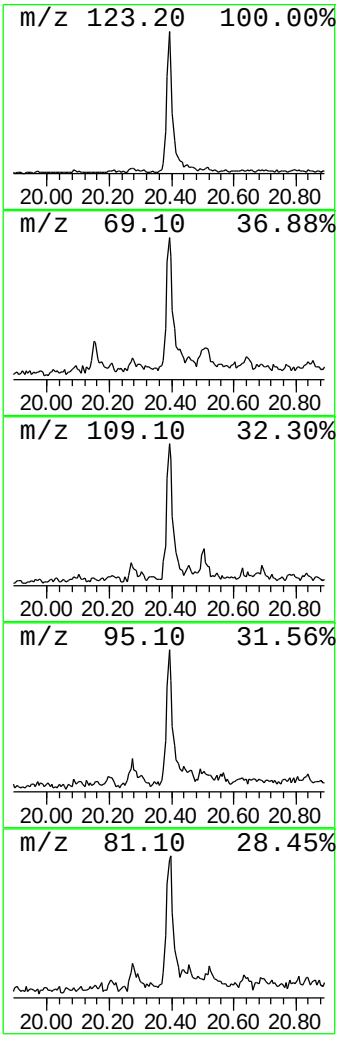
****

Peak Number 7 Cyclohexene, 1,5,5-trimethy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	4.35 ng/ul	1059710	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	76
2	4H-Oxazol-5-one, 2-(2-fluorophen...	293	C18H12FNO2	1000310-91-1	64
3	1-(1-Ethyl-2,3-dimethyl-cyclopen...	166	C11H18O	1000185-18-6	50
4	4-(4-Fluorobenzoyloxy)-2-hydroxy...	290	C15H11FO5	1000258-88-2	47
5	trans-2-(1-Hydroxycyclohexyl)-furan	166	C10H14O2	115754-87-5	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

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Quant Title : SVOA CALIBRATION

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

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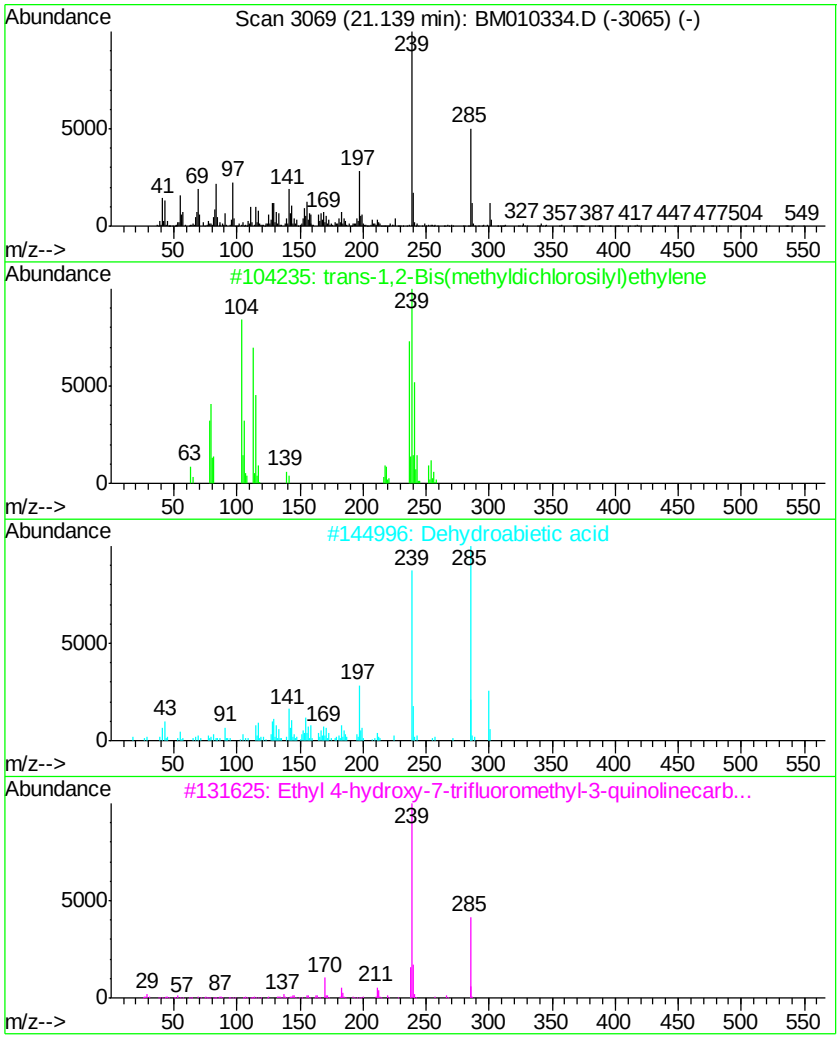
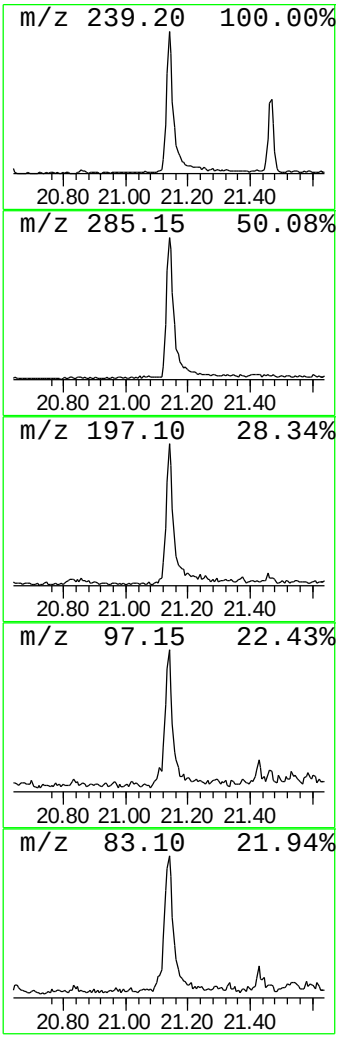
Peak Number 8 trans-1,2-Bis(methyldichlor... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	12.56 ng/ul	3061330	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	93
2	Dehydroabietic acid	300	C20H28O2	001740-19-8	60
3	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	50
4	Dehydroabietic acid	300	C20H28O2	001740-19-8	46
5	Dehydroabietic acid	300	C20H28O2	001740-19-8	41





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Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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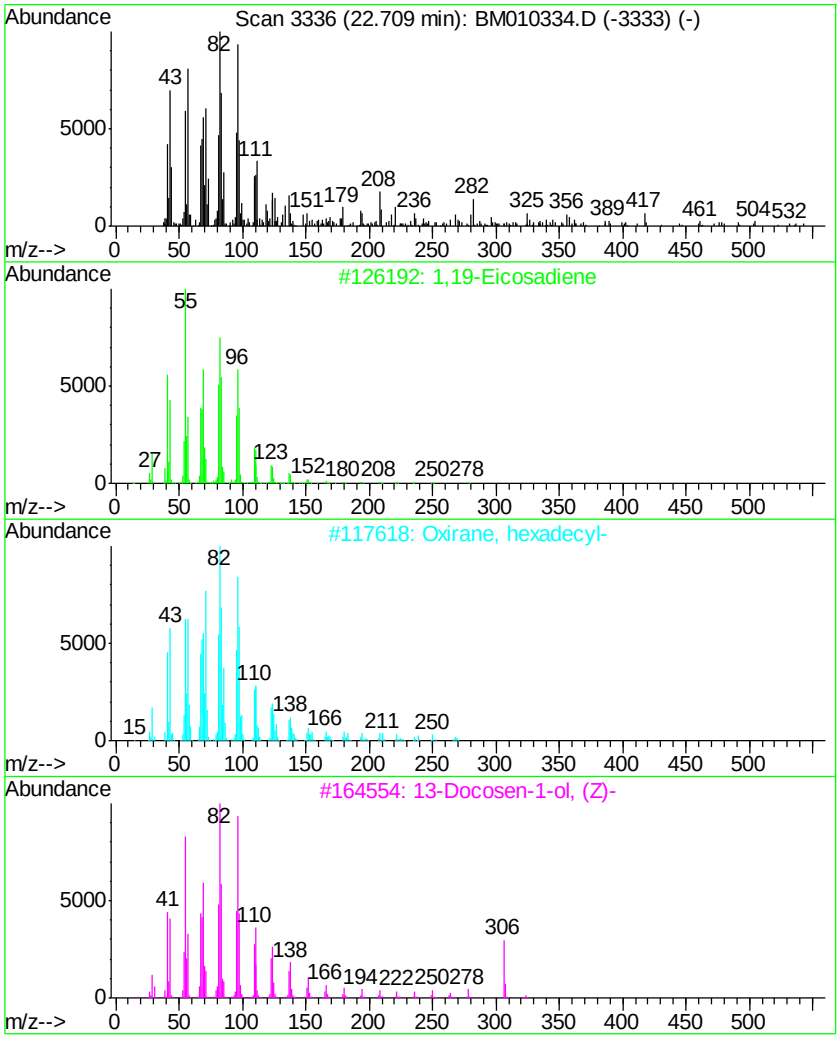
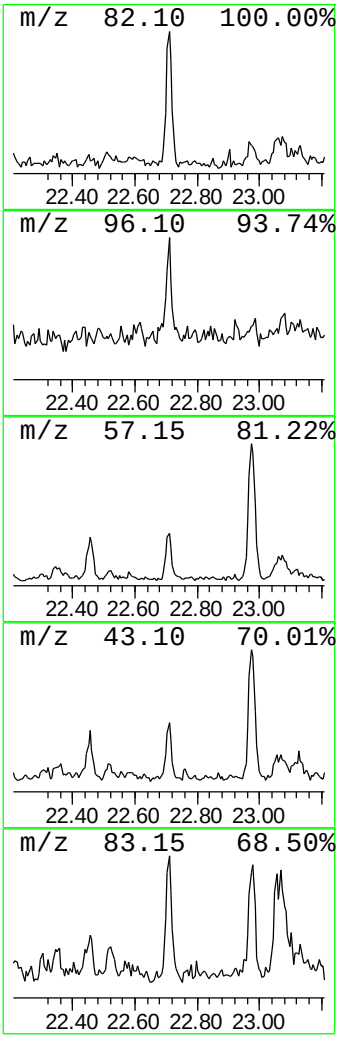
Peak Number 9 1,19-Eicosadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	2.75 ng/ul	666354	Perylene-d12	23.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	93
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	93
3	13-Docosen-1-ol, (Z)-	324	C22H44O	000629-98-1	93
4	1-Eicosyne	278	C20H38	000765-27-5	93
5	16-Heptadecenal	252	C17H32O	1000144-57-9	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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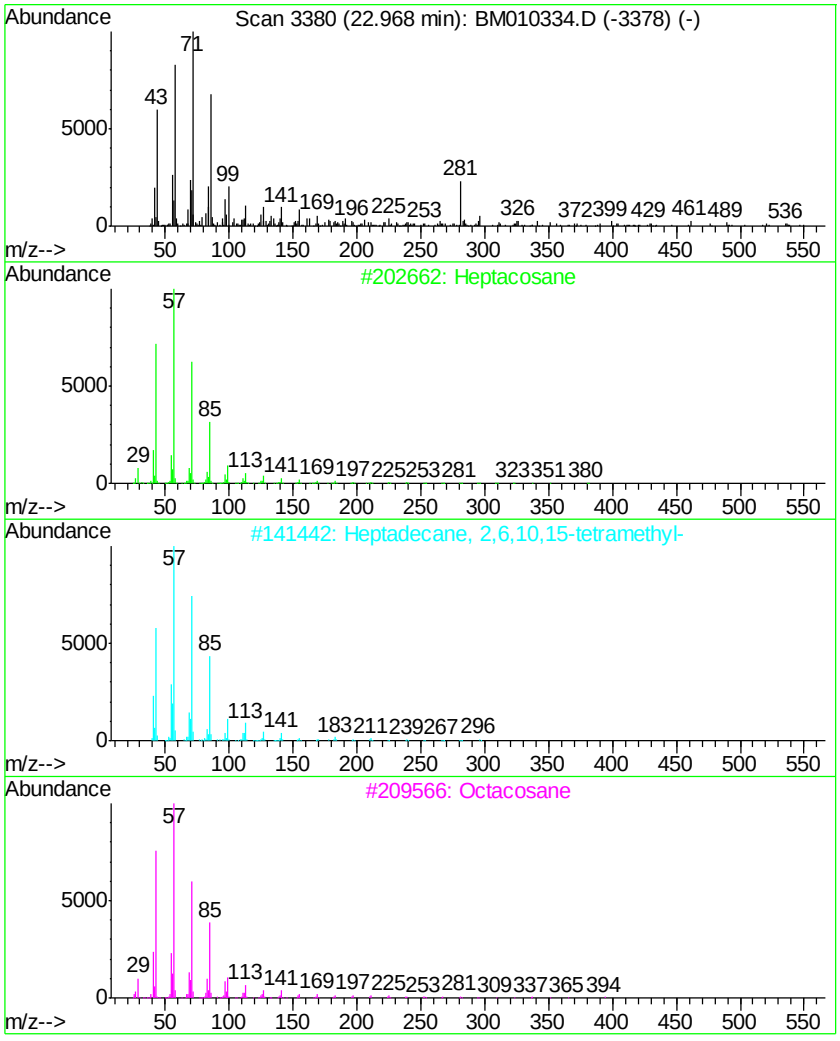
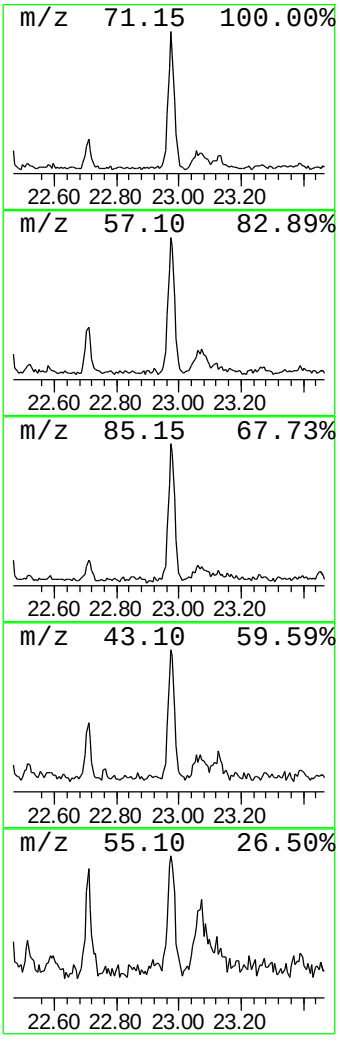
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	3.69 ng/ul	892731	Perylene-d12	23.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	95
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Octacosane	394	C28H58	000630-02-4	87
4	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	87
5	Hexacosane	366	C26H54	000630-01-3	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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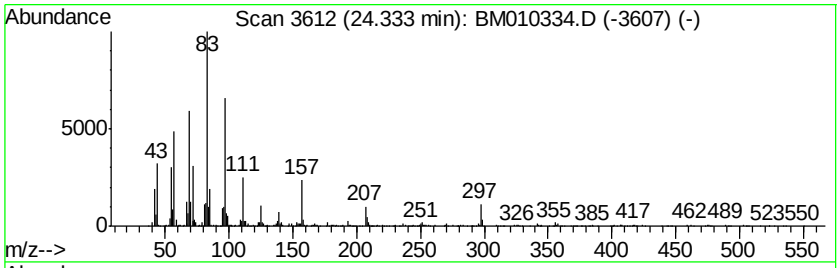
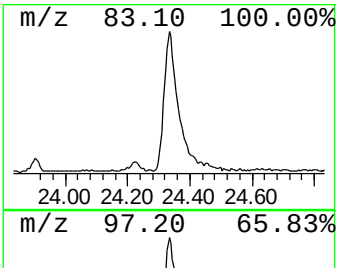
Peak Number 11 1H,5H-Pyrrolo[1',2':3,4]imi... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.33	16.27 ng/ul	3938370	Perylene-d12	23.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H,5H-Pyrrolo[1',2':3,4]imidazo[...	166	C10H18N2	054966-11-9	50
2	Cyclohexanecarboxylic acid, 4-ni...	249	C13H15NO4	1000307-70-8	43
3	Cyclohexanecarboxylic acid, 3,5-...	240	C13H14F2O2	1000293-69-2	43
4	Cyclohexane, (2-bromoethyl)-	190	C8H15Br	001647-26-3	43
5	2-Propanone, 1-cyclopentyl-3-eth...	170	C10H18O2	051149-71-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053117\
Data File : BM010334.D
Acq On : 31 May 2017 16:32
Operator : SJ/MA
Sample : I3164-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHSL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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
Phenol, 2,4,6-tri...	16.04	2.3	ng/ul	401753	4	17.30	3535960	20.0
n-Hexadecanoic acid	18.15	3.3	ng/ul	577026	4	17.30	3535960	20.0
photocitral B	18.46	6.8	ng/ul	1200070	4	17.30	3535960	20.0
4,8,13-Cyclotetra...	19.09	5.4	ng/ul	962288	4	17.30	3535960	20.0
10,18-Bisnorabiet...	19.38	5.0	ng/ul	877057	4	17.30	3535960	20.0
unknown-01	19.45	6.7	ng/ul	1642430	5	21.46	4873370	20.0
Cyclohexene, 1,5,...	20.39	4.3	ng/ul	1059710	5	21.46	4873370	20.0
trans-1,2-Bis(met...	21.14	12.6	ng/ul	3061330	5	21.46	4873370	20.0
1,19-Eicosadiene	22.71	2.8	ng/ul	666354	6	23.81	4840800	20.0
(DEL) Alkane: Str...	22.97	3.7	ng/ul	892731	6	23.81	4840800	20.0
1H,5H-Pyrrolo[1',...	24.33	16.3	ng/ul	3938370	6	23.81	4840800	20.0