LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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	3.157	26	29	38	rVB2	35609	48224	1.39%	0.113%
2	6.292	558	562	569	rVB	96351	152043	4.39%	0.355%
3	6.792	641	647	662	rBV	611680	1123353	32.41%	2.622%
4	6.951	668	674	684	rBV	477512	719739	20.77%	1.680%
5	7.145	700	707	718	rBV	663704	1071317	30.91%	2.501%
6	7.604	779	785	793	rVB	619928	1001670	28.90%	2.338%
7	8.322	900	907	917	rBV	769353	1296532	37.41%	3.027%
8	8.763	975	982	991	rBV	654774	1049702	30.29%	2.450%
9	9.163	1042	1050	1059	rVB3	28547	49415	1.43%	0.115%
10	9.481	1097	1104	1114	rBV	554289	924117	26.66%	2.157%
11	10.016	1188	1195	1211	rBV	744985	1372223	39.59%	3.203%
12	10.380	1250	1257	1266	rBV	782212	1333626	38.48%	3.113%
13	10.533	1277	1283	1297	rBV	592388	1120204	32.32%	2.615%
14	13.568	1794	1799	1805	rBV2	186699	266011	7.68%	0.621%
15	13.674	1809	1817	1822	rBV	1401542	1928263	55.64%	4.501%
16	13.721	1822	1825	1833	rVB	410502	604487	17.44%	1.411%
17	13.951	1856	1864	1874	rBV	1570043	2385540	68.83%	5.569%
18	14.163	1896	1900	1904	rBV2	61466	81341	2.35%	0.190%
19	14.216	1904	1909	1912	rVV2	139248	207949	6.00%	0.485%
20	14.257	1912	1916	1924	rVB2	1045577	1619543	46.73%	3.781%
21	14.492	1950	1956	1969	rBV	409716	864763	24.95%	2.019%
22	14.786	2002	2006	2011	rVB4	22678	36284	1.05%	0.085%
23	15.121	2057	2063	2067	rVB2	83545	105891	3.06%	0.247%
24	15.257	2080	2086	2098	rVB	1990237	2765548	79.80%	6.456%
25	15.398	2104	2110	2123	rVB	452309	711364	20.53%	1.661%
26	15.504	2123	2128	2131	rBV6	35677	60925	1.76%	0.142%
27	15.986	2205	2210	2217	rBV2	91498	142034	4.10%	0.332%
28	16.780	2340	2345	2350	rBV3	38326	64213	1.85%	0.150%
29	17.009	2378	2384	2391	rBV2	1296123	1870088	53.96%	4.366%
30	17.109	2395	2401	2410	rVB2	2100538	2959965	85.41%	6.910%
31	17.915	2533	2538	2544	rBV	215387	329759	9.51%	0.770%
32	19.050	2727	2731	2734	rBV2	37950	57556	1.66%	0.134%
33	19.203	2754	2757	2764	rBV4	119637	188834	5.45%	0.441%
34	19.327	2769	2778	2783	rVV2	210245	320248	9.24%	0.748%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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	19.415	2787	2793	2801	rVV	2464690	3354549	96.79%	7.831%
36	19.474	2801	2803	2808	rVV5	32694	44224	1.28%	0.103%
37	19.539	2811	2814	2819	rBV6	21187	34700	1.00%	0.081%
38	19.786	2853	2856	2860	rBV5	27114	37743	1.09%	0.088%
39	20.009	2890	2894	2899	rBV6	103664	158439	4.57%	0.370%
40	20.215	2927	2929	2934	rBV6	21383	37103	1.07%	0.087%
41	20.356	2946	2953	2959	rBV5	330567	683729	19.73%	1.596%
42	20.492	2972	2976	2982	rBV2	359019	452789	13.06%	1.057%
43	20.933	3047	3051	3060	rVB5	272600	370491	10.69%	0.865%
44	21.003	3061	3063	3067	rBV5	47577	78520	2.27%	0.183%
45	21.209	3093	3098	3107	rBV	1742570	2321773	66.99%	5.420%
46	23.274	3442	3449	3457	rBV2	1851494	3465724	100.00%	8.090%
47	23.409	3466	3472	3481	rVB2	1171455	2130377	61.47%	4.973%
48	24.015	3569	3575	3584	rVB2	359743	834927	24.09%	1.949%

Sum of corrected areas: 42837859

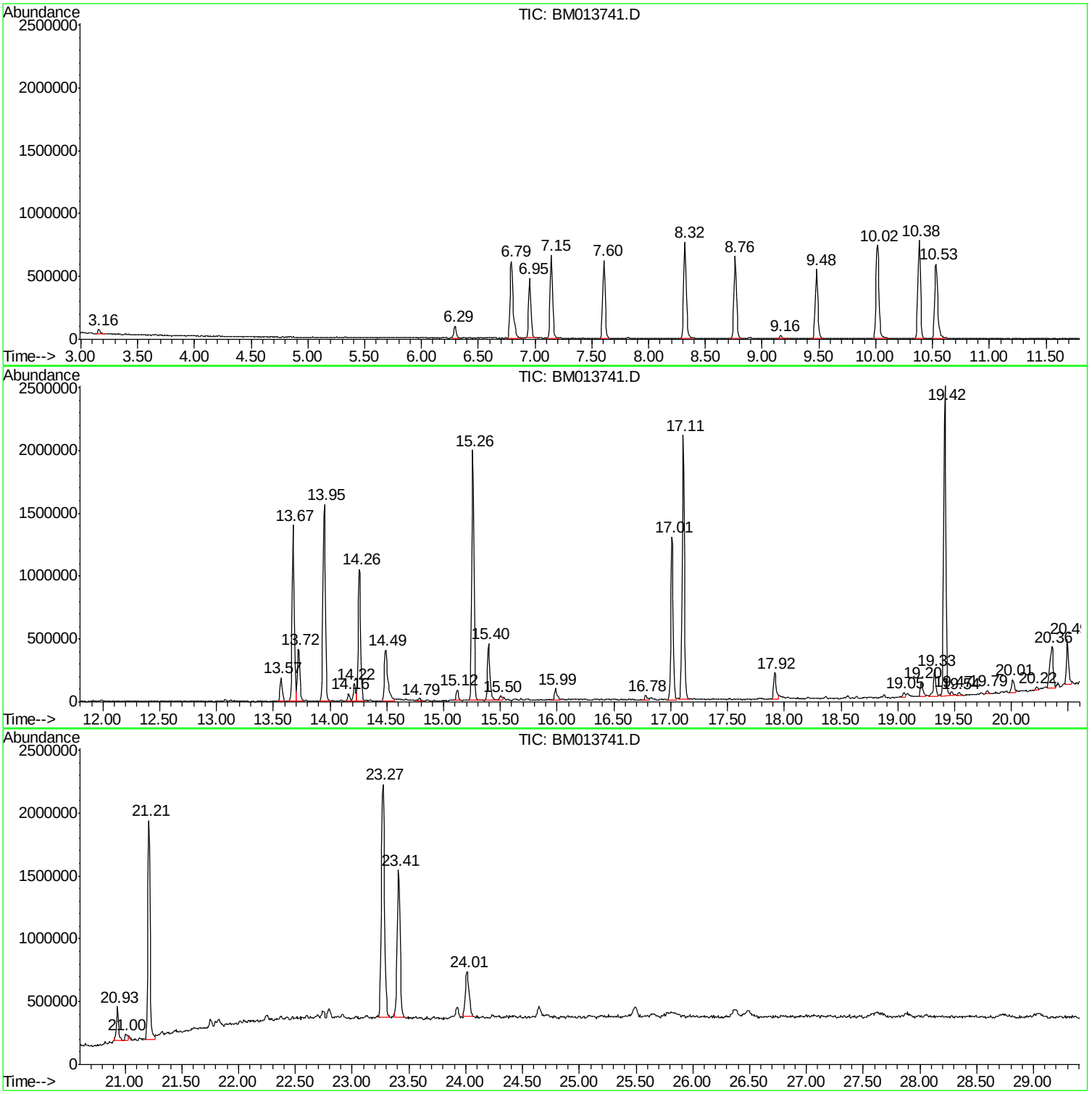
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6A13

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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

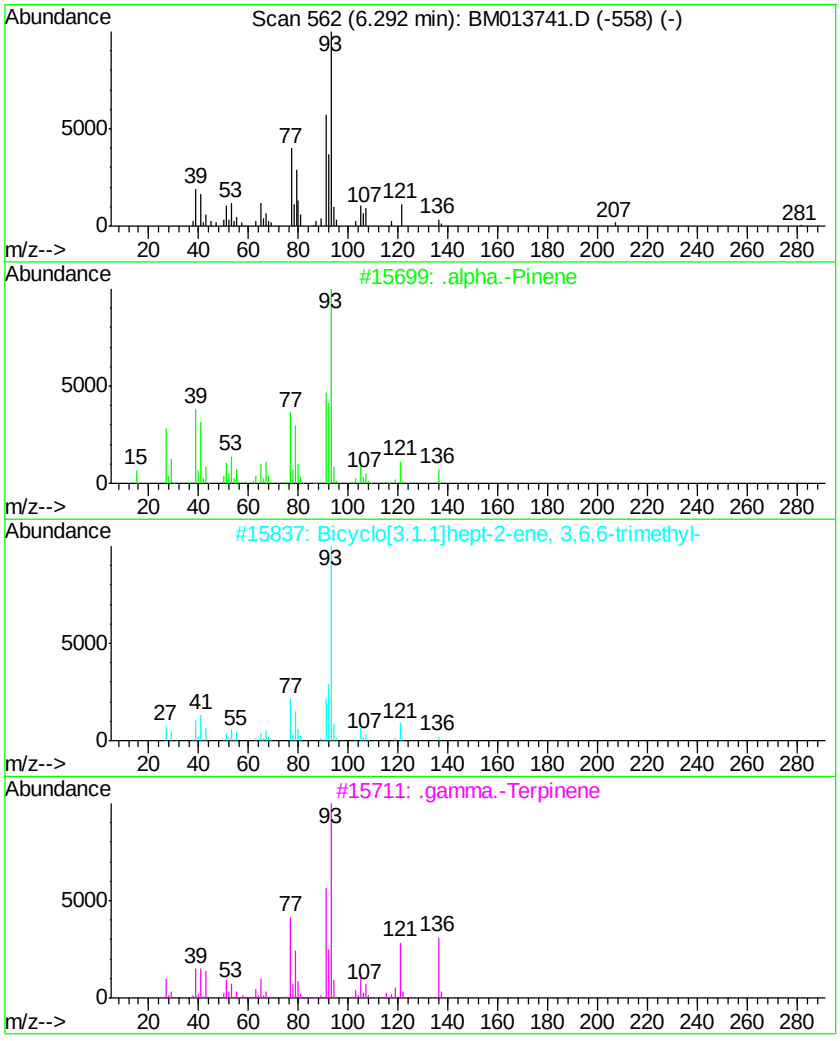
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

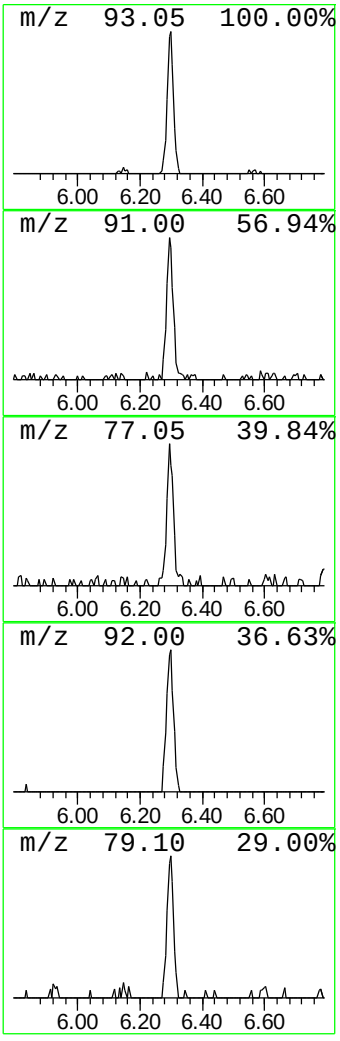
****

Peak Number 1 .alpha.-Pinene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	3.04 ng/ul	152043	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	.gamma.-Terpinene	136	C10H16	000099-85-4	90
4	.gamma.-Terpinene	136	C10H16	000099-85-4	90
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

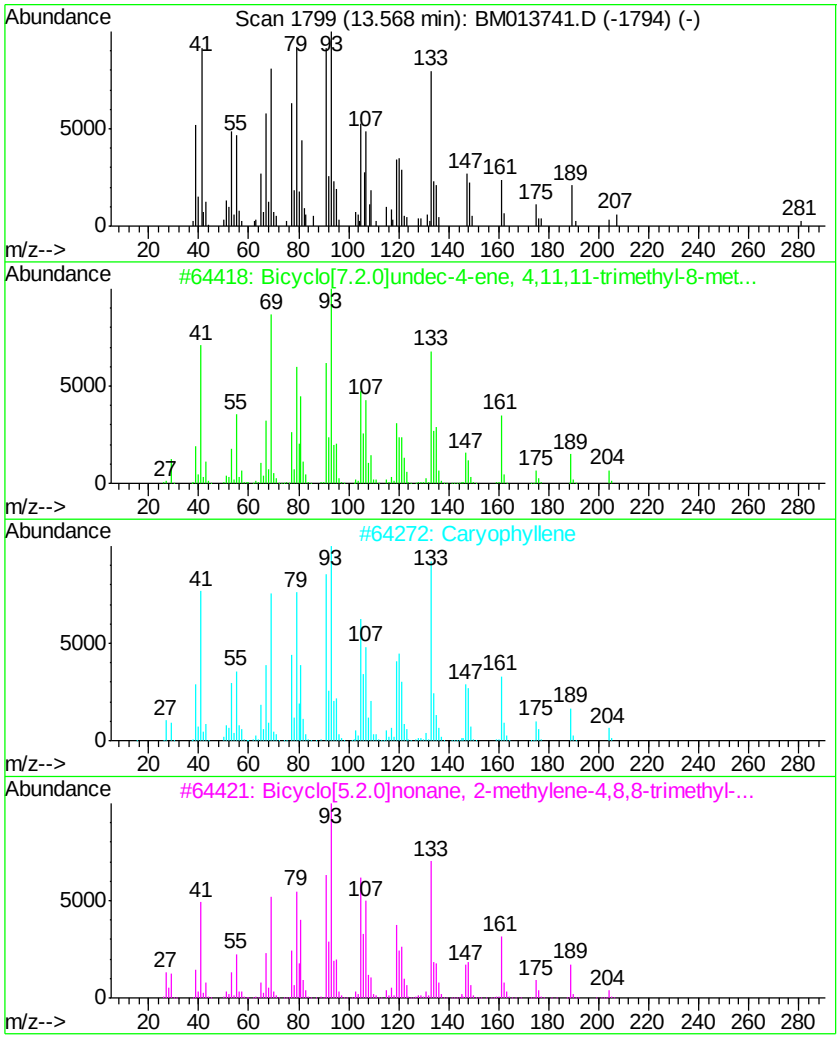
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

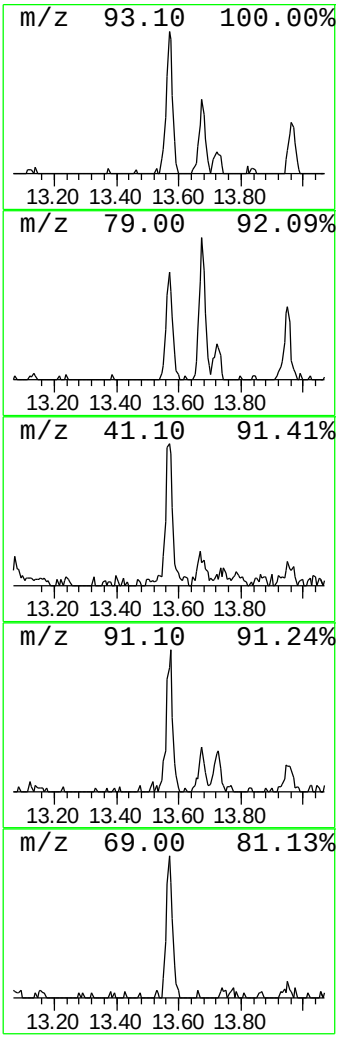
****

Peak Number 2 Bicyclo[7.2.0]undec-4-ene, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	3.29 ng/ul	266011	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	90
2	Caryophyllene	204	C15H24	000087-44-5	87
3	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	86
4	Caryophyllene	204	C15H24	000087-44-5	60
5	Caryophyllene	204	C15H24	000087-44-5	58





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

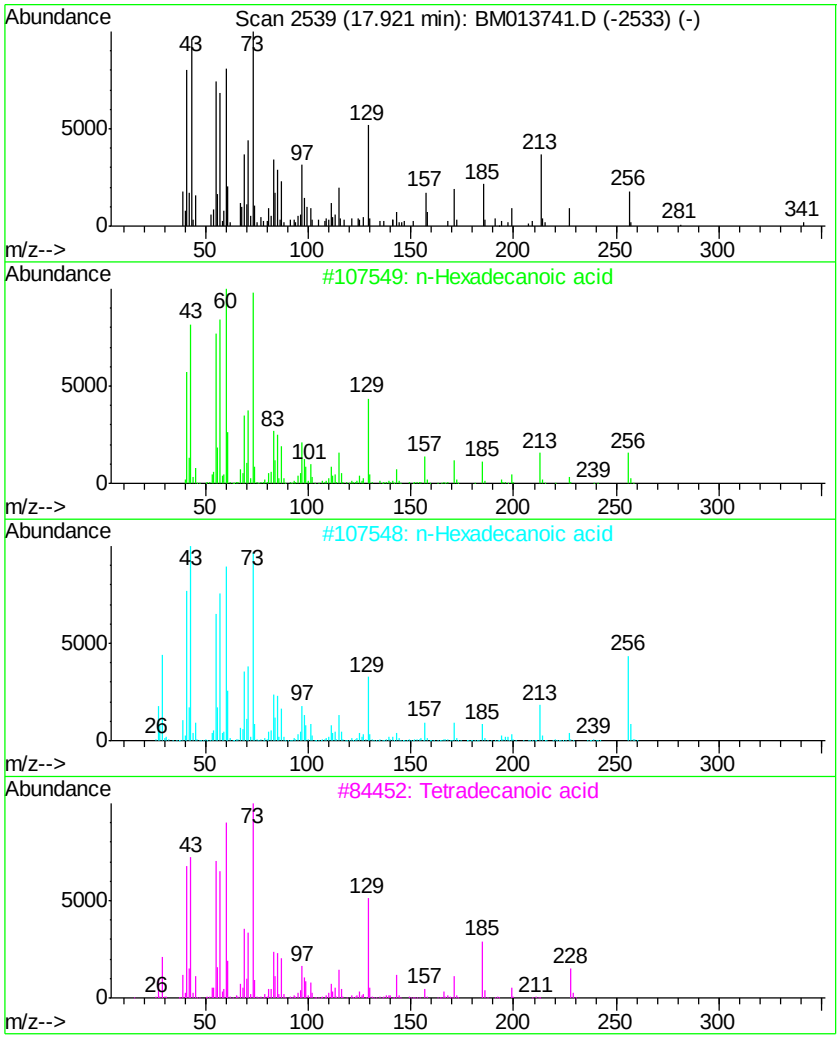
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

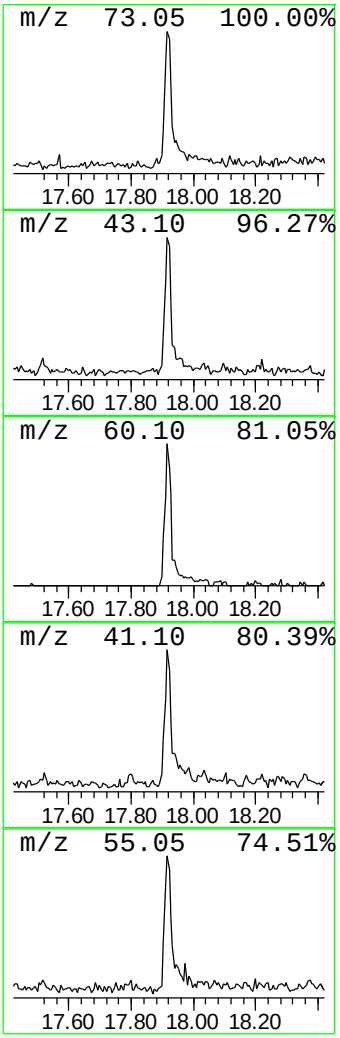
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	3.53 ng/ul	329759	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Dodecanoic acid	200	C12H24O2	000143-07-7	89
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

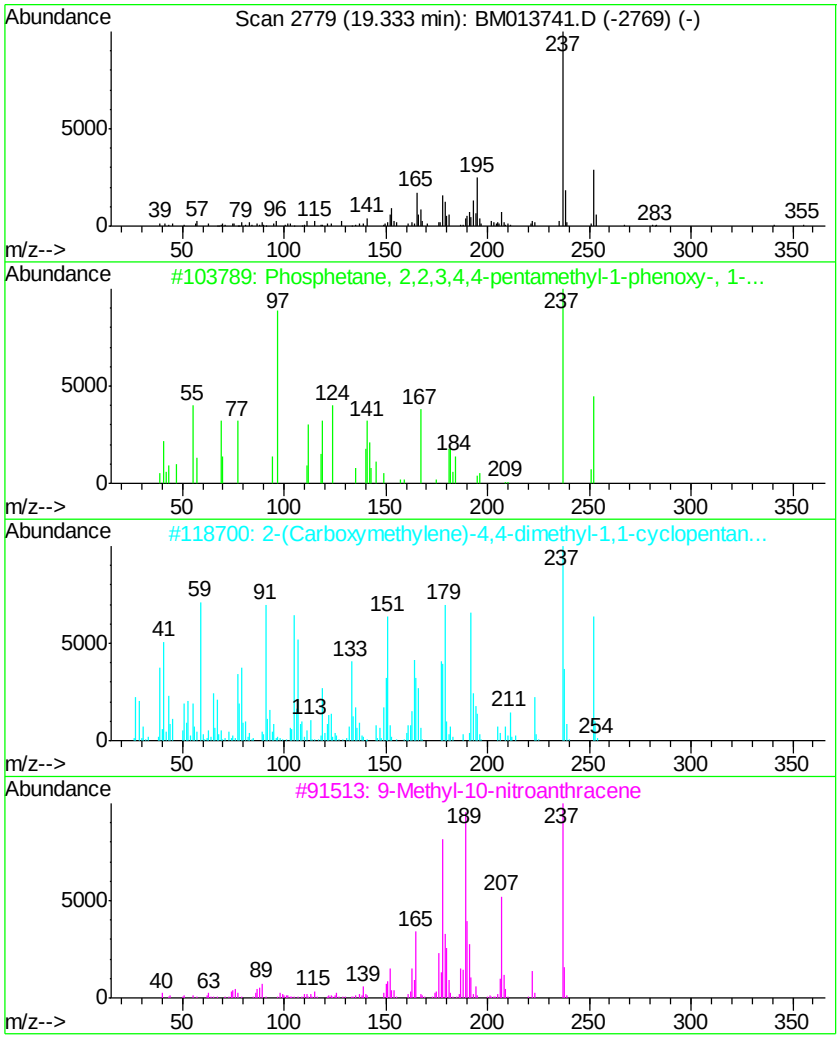
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

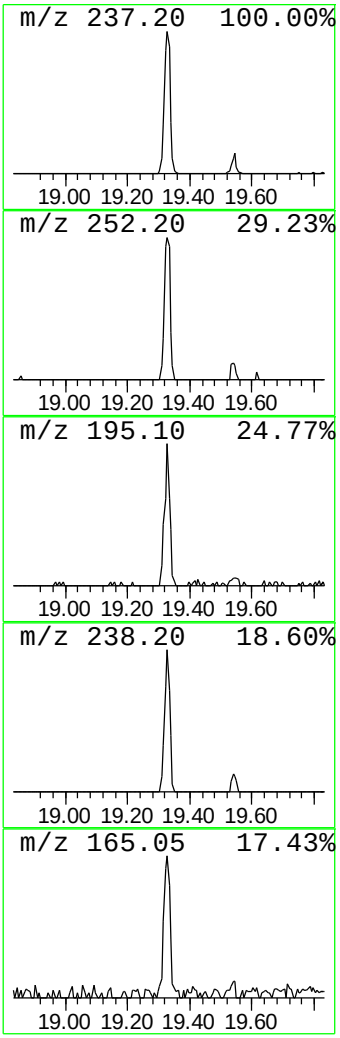
****

Peak Number 4 Phosphetane, 2,2,3,4,4-pent... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.76 ng/ul	320248	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphetane, 2,2,3,4,4-pentameth...	252	C14H21O2P	050517-26-5	83
2	2-(Carboxymethylene)-4,4-dimethy...	270	C13H18O6	180691-11-6	58
3	9-Methyl-10-nitroanthracene	237	C15H11NO2	084457-22-7	50
4	Silane, dimethyl(4-acetylphenoxy...	252	C13H20O3Si	1000347-30-8	43
5	2-Benzo[1,3]dioxol-5-yl-indolizine	237	C15H11NO2	1000301-42-4	38





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

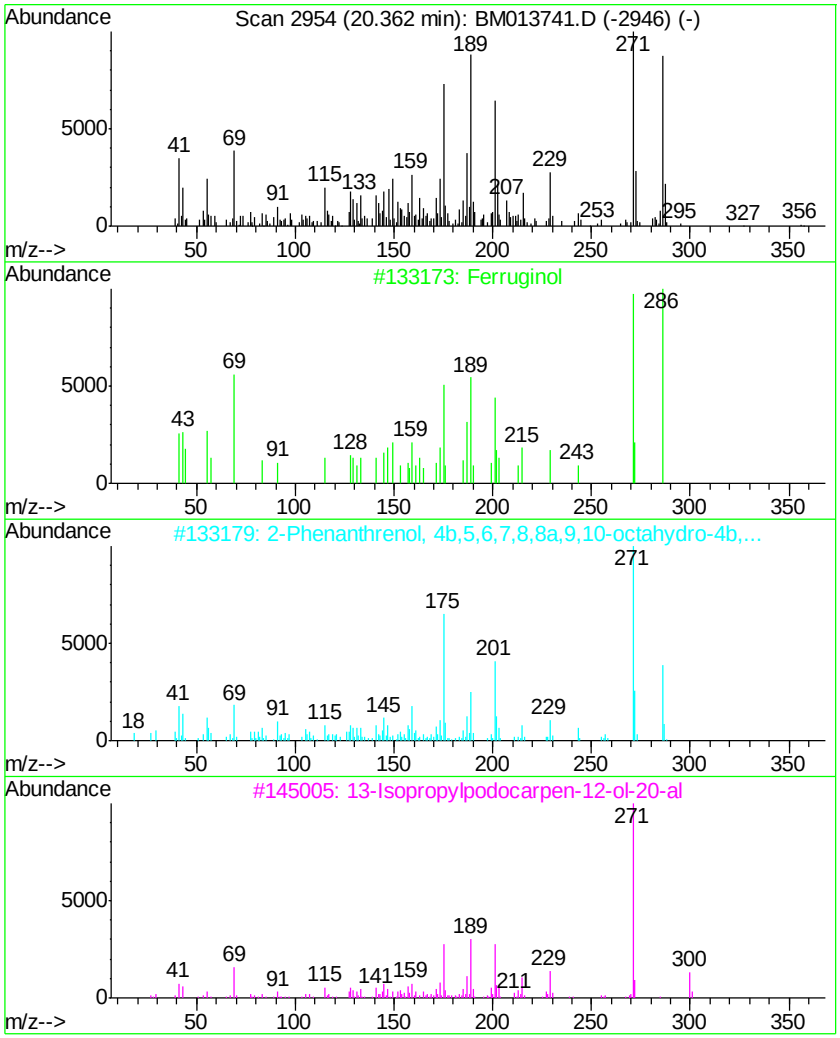
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

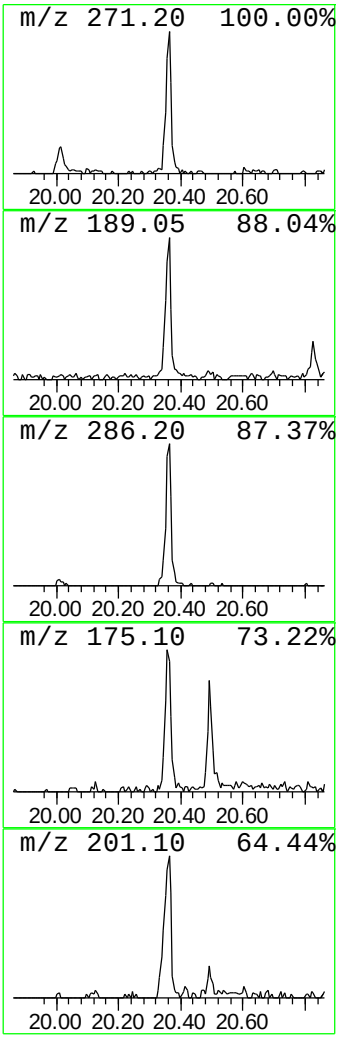
****

Peak Number 5 Ferruginol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	5.89 ng/ul	683729	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferruginol	286	C20H30O	000514-62-5	94
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	83
3	13-Isopropylpodocarpen-12-ol-20-al	300	C20H28O2	024035-37-8	53
4	Crinan-3-ol, 1,2-didehydro-, (3....	271	C16H17NO3	000510-67-8	40
5	Benzo[c]coumarine, 3,4,8-trimeth...	286	C16H14O5	127825-91-6	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

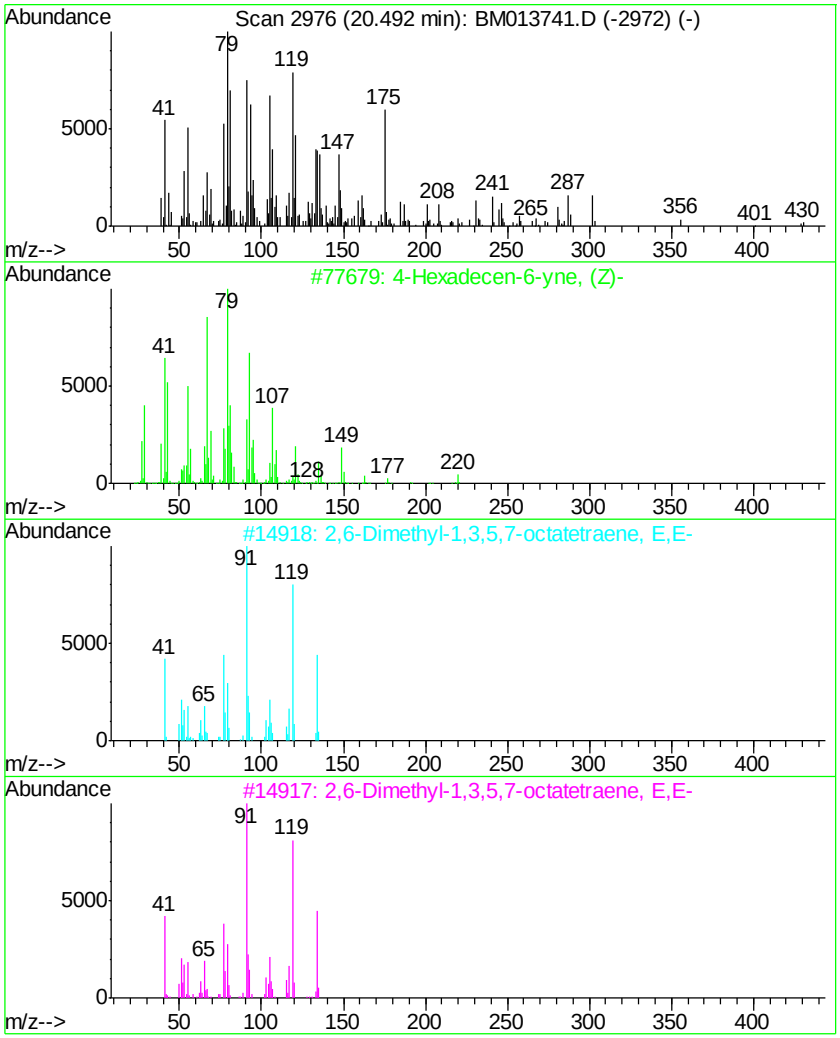
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

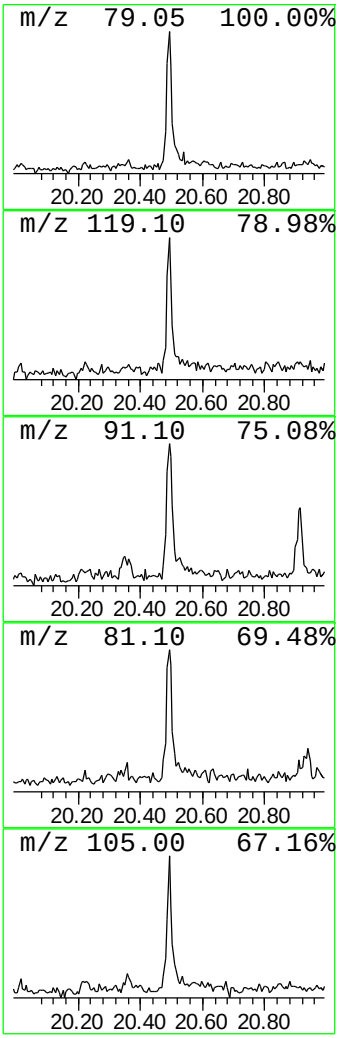
****

Peak Number 6 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	3.90 ng/ul	452789	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hexadecen-6-yne, (Z)-	220	C16H28	074744-54-0	45
2	2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	42
3	2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	30
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	30
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

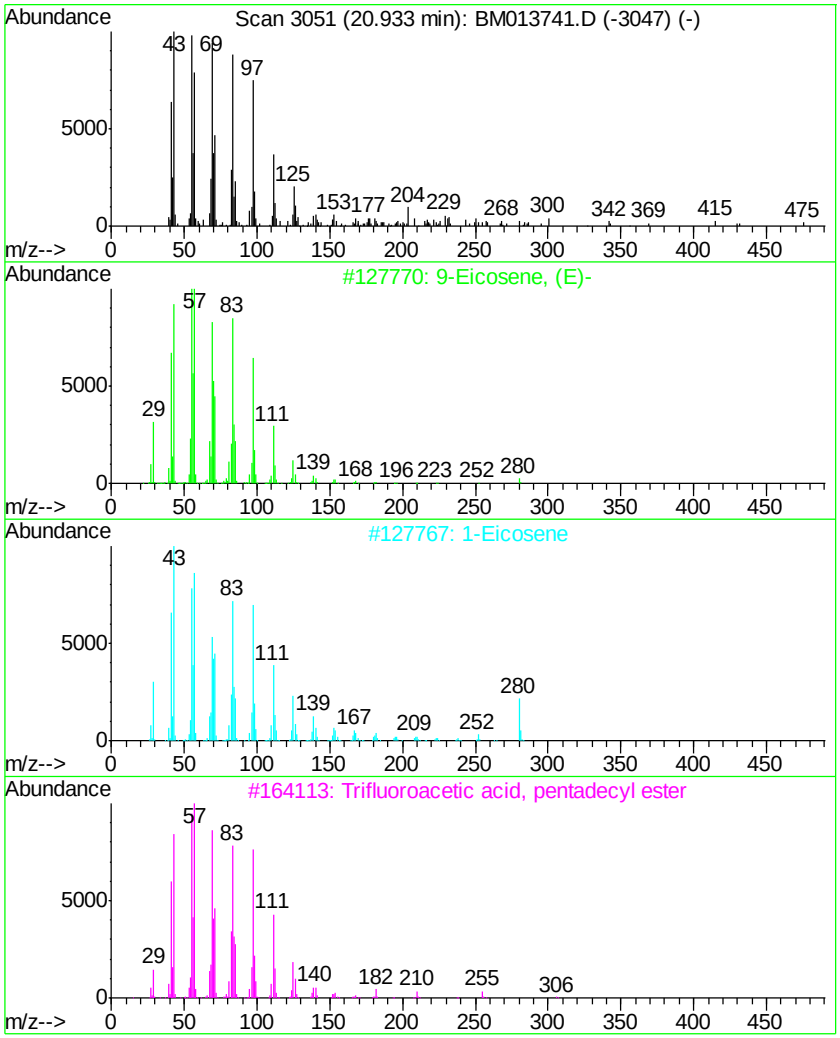
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

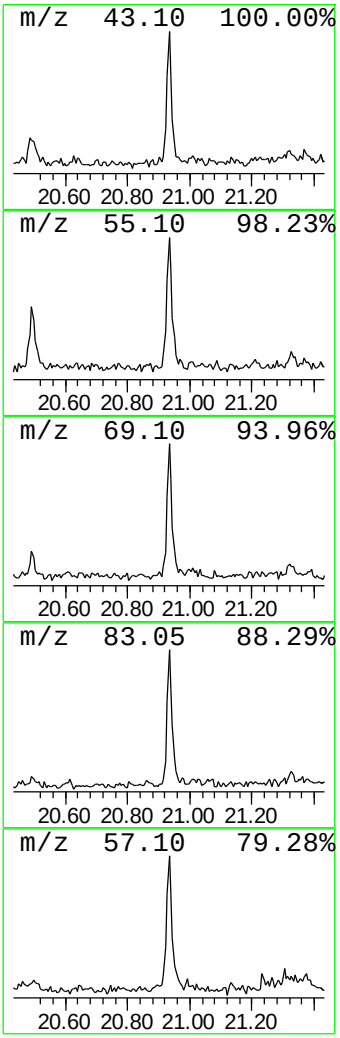
****

Peak Number 7 (DEL) Alkane: Cyclic20.93 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.19 ng/ul	370491	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	94
2	1-Eicosene	280	C20H40	003452-07-1	93
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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

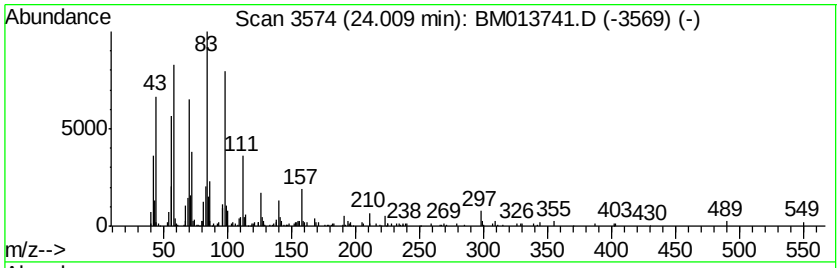
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

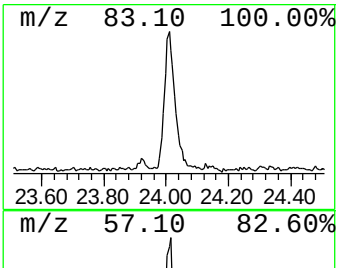
****

Peak Number 8 Thieno[2,3-d]-1,3-thiaselen... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	7.84 ng/ul	834927	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[2,3-d]-1,3-thiaselenol-2-...	238	C5H2S3Se	081803-09-0	56
2	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	46
3	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	46
4	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	46
5	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	41





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM012318\
Data File : BM013741.D
Acq On : 23 Jan 2018 21:22
Operator : SJ/JU
Sample : J1220-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A13

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
.alpha.-Pinene	6.29	3.0	ng/ul	152043	1	7.61	1001670	20.0
Bicyclo[7.2.0]und...	13.57	3.3	ng/ul	266011	3	14.26	1619540	20.0
n-Hexadecanoic acid	17.92	3.5	ng/ul	329759	4	17.01	1870090	20.0
Phosphetane, 2,2,...	19.33	2.8	ng/ul	320248	5	21.21	2321770	20.0
Ferruginol	20.36	5.9	ng/ul	683729	5	21.21	2321770	20.0
unknown-01	20.49	3.9	ng/ul	452789	5	21.21	2321770	20.0
(DEL) Alkane: Cyc...	20.93	3.2	ng/ul	370491	5	21.21	2321770	20.0
Thieno[2,3-d]-1,3...	24.01	7.8	ng/ul	834927	6	23.41	2130380	20.0