LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

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\SOM02.2-EPA-BM112916.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	3.257	109	114	120	rBV	31371	46210	1.20%	0.095%
2	4.869	385	388	399	rVB	29882	47745	1.24%	0.098%
3	6.881	723	730	746	rBV2	575407	1202211	31.16%	2.473%
4	7.040	751	757	765	rVV	466056	743509	19.27%	1.529%
5	7.110	765	769	780	rVV4	26807	58976	1.53%	0.121%
6	7.234	784	790	804	rBV	614963	1027605	26.64%	2.114%
7	7.698	862	869	882	rBV	642588	1079995	28.00%	2.222%
8	8.404	983	989	1007	rBV	737288	1288454	33.40%	2.650%
9	8.857	1059	1066	1080	rBV	563189	1009575	26.17%	2.077%
10	9.569	1181	1187	1205	rBV	484737	865664	22.44%	1.781%
11	10.104	1272	1278	1300	rBV	654653	1330580	34.49%	2.737%
12	10.475	1333	1341	1352	rBV	891509	1540434	39.93%	3.169%
13	10.628	1360	1367	1387	rBV2	422098	964864	25.01%	1.985%
14	12.022	1597	1604	1612	rBV3	22588	45652	1.18%	0.094%
15	13.751	1891	1898	1902	rBV	1471971	2071576	53.70%	4.261%
16	13.798	1902	1906	1918	rVB	606255	892351	23.13%	1.836%
17	14.027	1937	1945	1960	rBV	1575351	2420252	62.74%	4.978%
18	14.333	1991	1997	2005	rBV	1464409	2124477	55.07%	4.370%
19	14.574	2029	2038	2048	rBV2	285568	708630	18.37%	1.458%
20	14.645	2048	2050	2061	rVB2	52193	98969	2.57%	0.204%
21	15.180	2137	2141	2149	rVB2	37318	50740	1.32%	0.104%
22	15.333	2159	2167	2175	rBV	2116557	3095104	80.23%	6.367%
23	15.480	2186	2192	2205	rBV	525264	885061	22.94%	1.821%
24	15.574	2205	2208	2214	rVB5	37225	60994	1.58%	0.125%
25	16.045	2284	2288	2296	rBV	49147	84063	2.18%	0.173%
26	16.839	2418	2423	2427	rBV	44999	57184	1.48%	0.118%
27	17.086	2458	2465	2476	rBV	1783593	2511146	65.10%	5.165%
28	17.186	2476	2482	2493	rVV	2247386	3209503	83.20%	6.602%
29	17.574	2543	2548	2552	rBV	53575	68477	1.78%	0.141%
30	17.980	2612	2617	2623	rBV	121630	188010	4.87%	0.387%
31	18.251	2658	2663	2673	rBV7	47550	108996	2.83%	0.224%
32	18.368	2678	2683	2690	rVV7	30732	55637	1.44%	0.114%
33	18.551	2709	2714	2720	rBV	368443	488388	12.66%	1.005%
34	18.698	2734	2739	2745	rVB	609205	777080	20.14%	1.598%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

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\SOM02.2-EPA-BM112916.M
Title : SVOA CALIBRATION

35	18.903	2770	2774	2779	rBV2	172870	223041	5.78%	0.459%
36	19.121	2807	2811	2814	rBV	34214	47853	1.24%	0.098%
37	19.198	2820	2824	2829	rVB	511754	611504	15.85%	1.258%
38	19.262	2831	2835	2843	rBV4	71671	145623	3.77%	0.300%
39	19.339	2845	2848	2851	rBV3	45363	56370	1.46%	0.116%
40	19.486	2867	2873	2884	rBV	2837892	3857647	100.00%	7.935%
41	19.927	2943	2948	2957	rBV	1051392	1307504	33.89%	2.690%
42	20.650	3068	3071	3074	rVB	64180	69728	1.81%	0.143%
43	20.986	3124	3128	3130	rBV2	155063	194631	5.05%	0.400%
44	21.015	3130	3133	3138	rVB2	170828	217936	5.65%	0.448%
45	21.280	3173	3178	3188	rBV	2115124	2899306	75.16%	5.964%
46	21.850	3272	3275	3277	rBV	104129	123556	3.20%	0.254%
47	22.809	3433	3438	3443	rBV	604358	845517	21.92%	1.739%
48	23.374	3528	3534	3548	rVB2	1730824	3291540	85.33%	6.771%
49	23.521	3552	3559	3567	rVV	1208273	2420639	62.75%	4.979%
50	24.003	3637	3641	3647	rVB2	232893	430315	11.15%	0.885%
51	24.091	3651	3656	3666	rVB2	271328	663694	17.20%	1.365%

Sum of corrected areas: 48614516

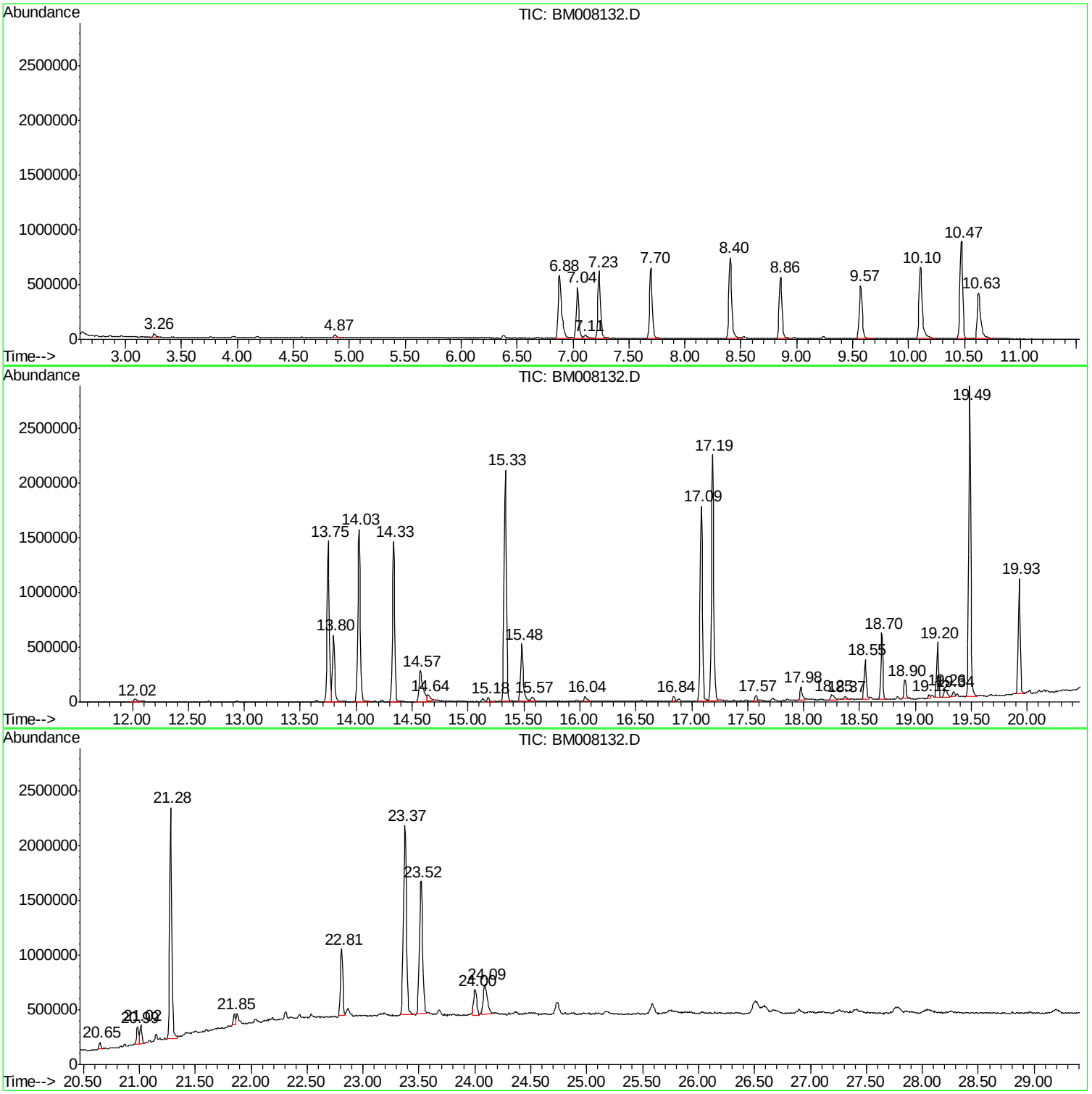
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.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\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

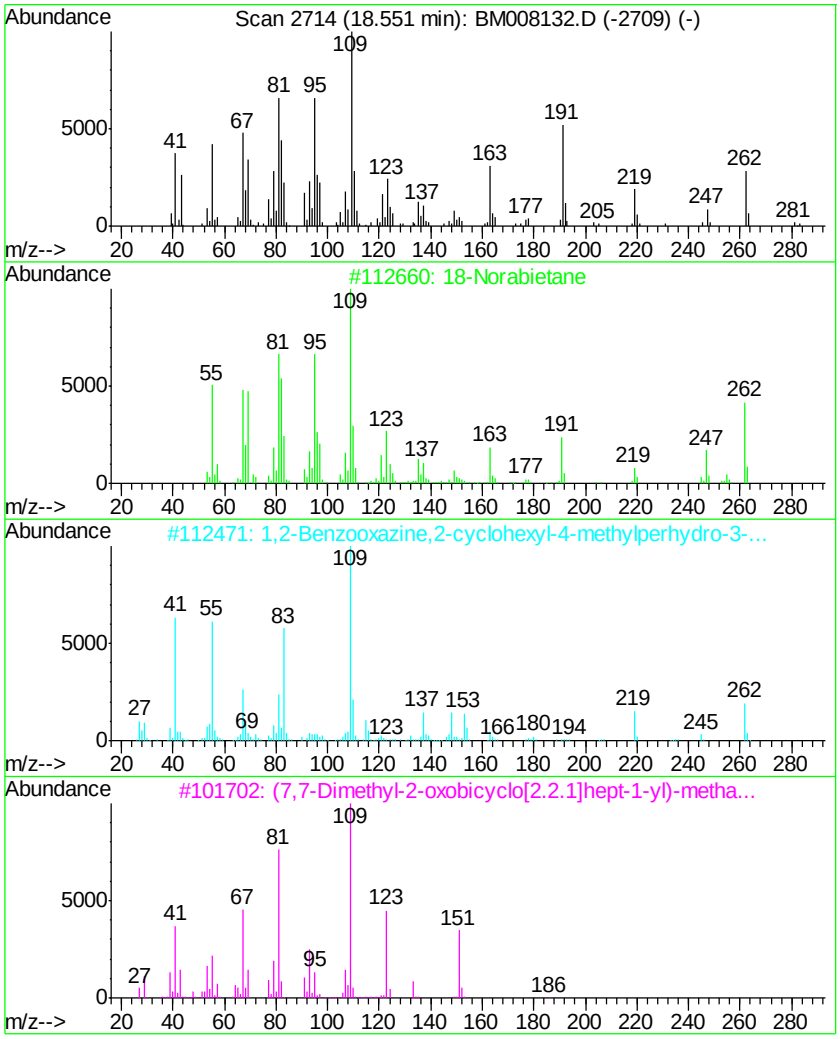
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

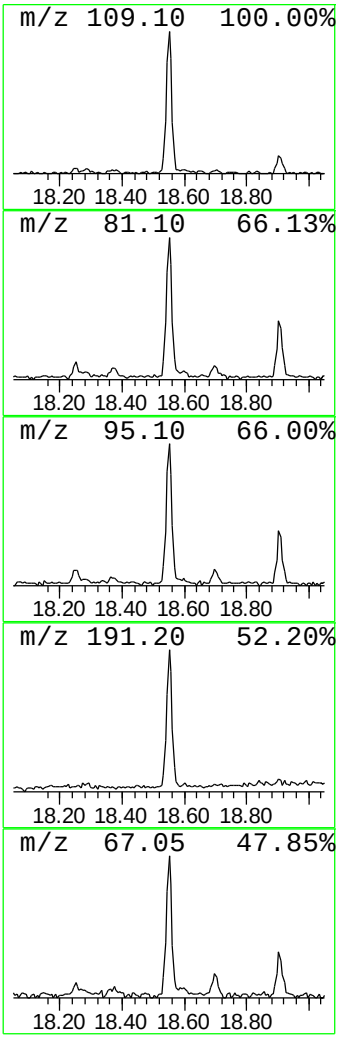
****

Peak Number 1 18-Norabietane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.89 ng/ul	488388	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30
3	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	27
4	7-Octadecyne, 2-methyl-	264	C19H36	035354-38-2	27
5	Imidazole, 4-methyl-5-[3,3,3-tri...	234	C10H13F3N2O	1000129-15-8	22





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

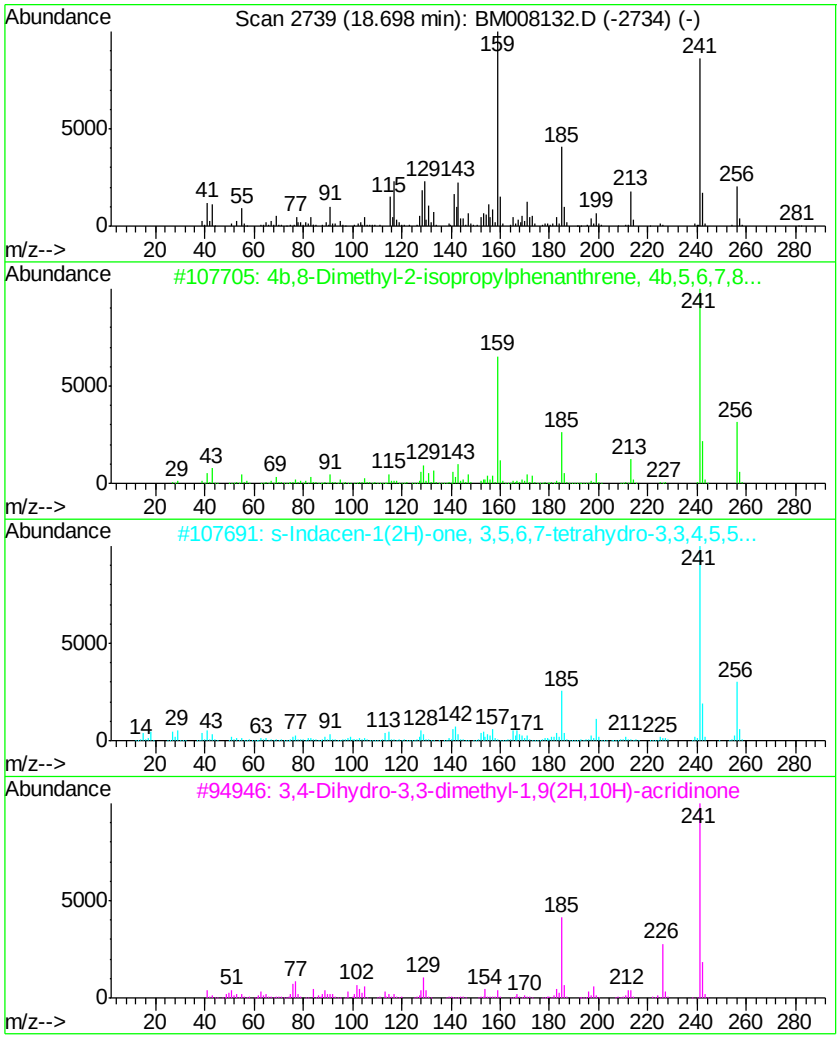
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

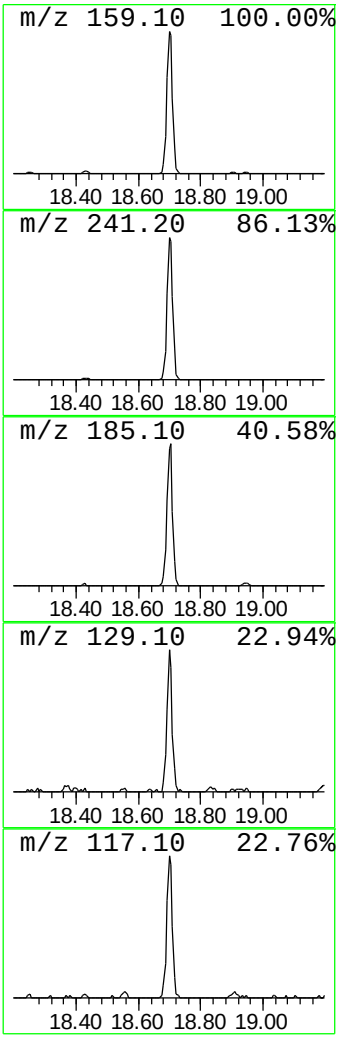
****

Peak Number 2 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	6.19 ng/ul	777080	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	83
3	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	30
5	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	25





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

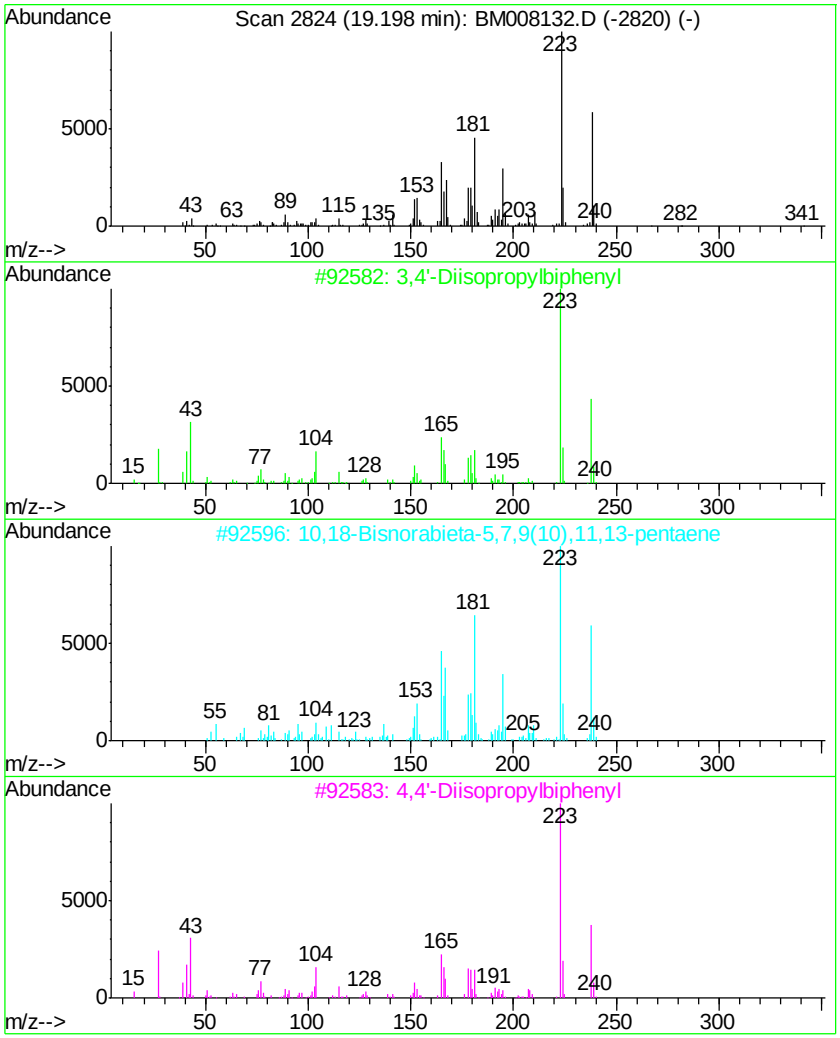
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

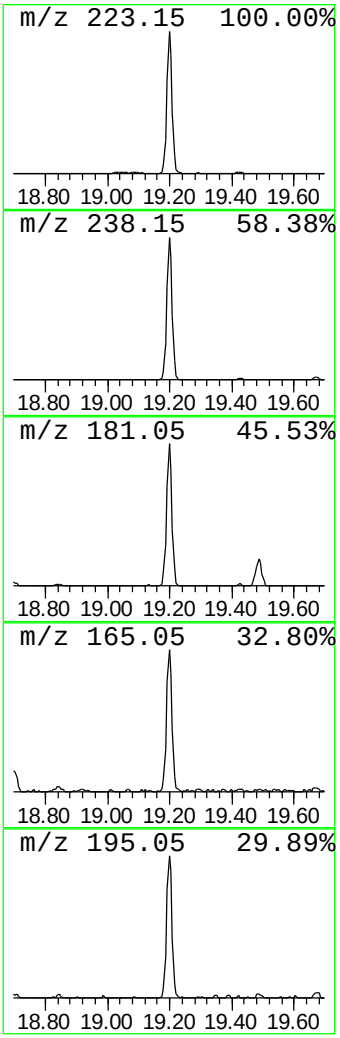
****

Peak Number 3 3,4'-Diisopropylbiphenyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	4.22 ng/ul	611504	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	90
2	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	70
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
4	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	55
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	49





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Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

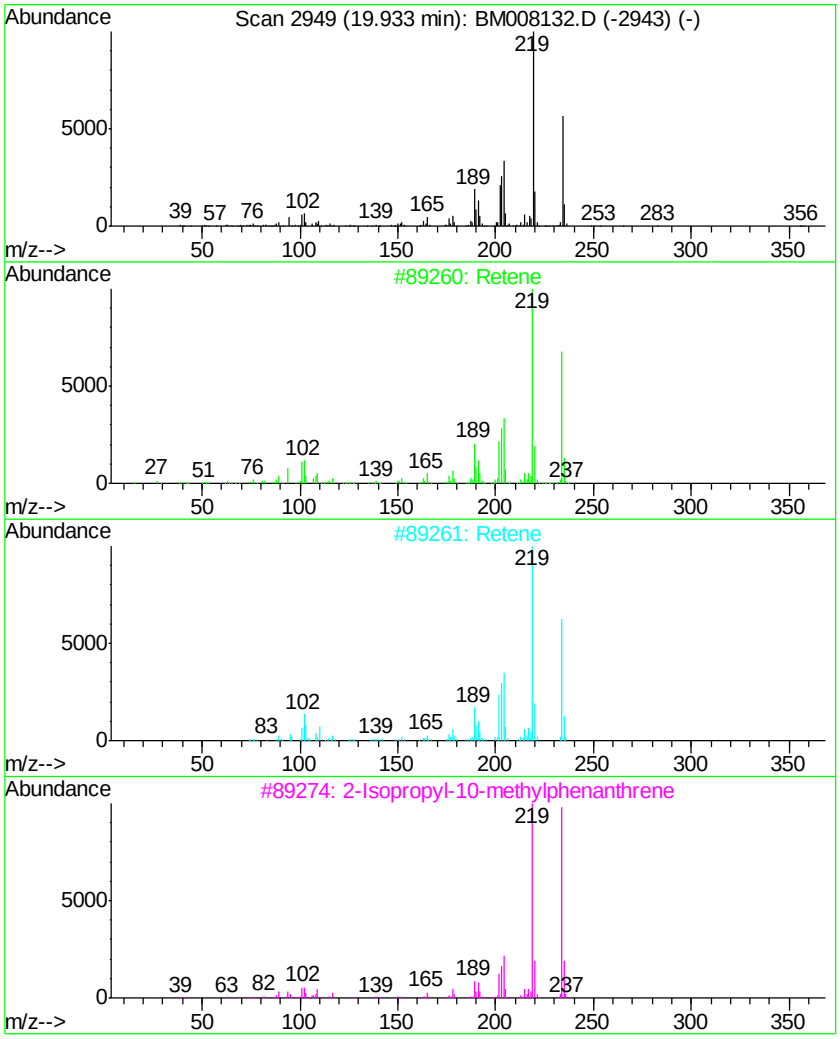
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

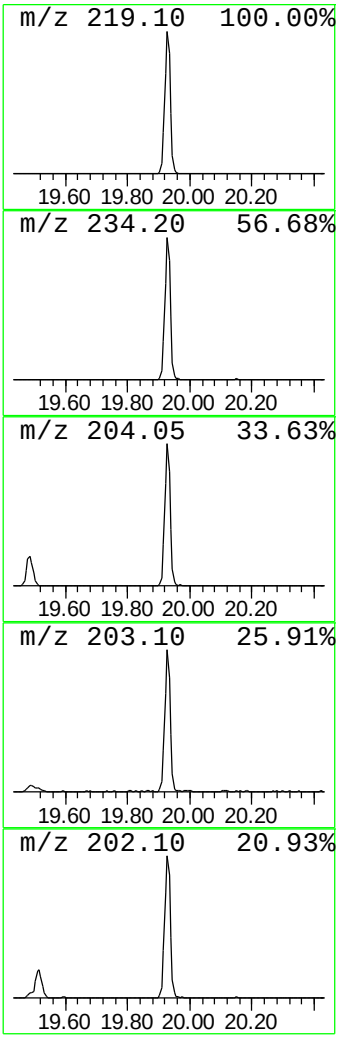
****

Peak Number 4 Retene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	9.02 ng/ul	1307500	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	Retene	234	C18H18	000483-65-8	95
3	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
4	Retene	234	C18H18	000483-65-8	94
5	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

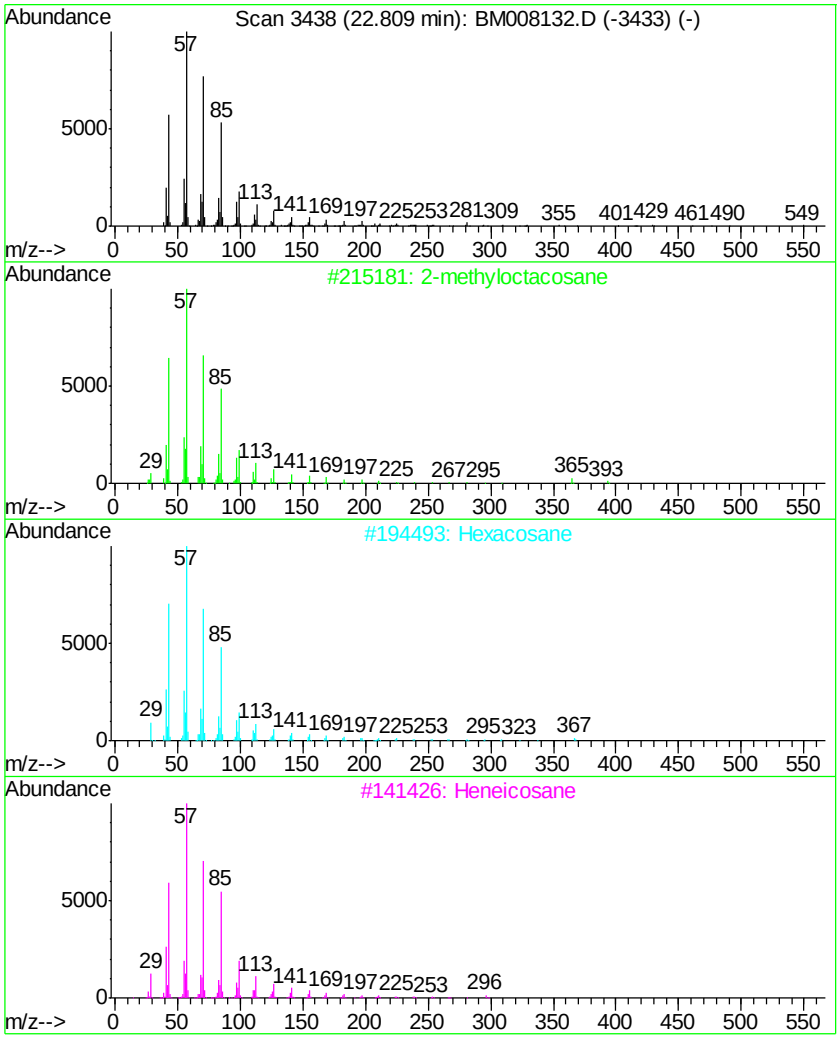
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

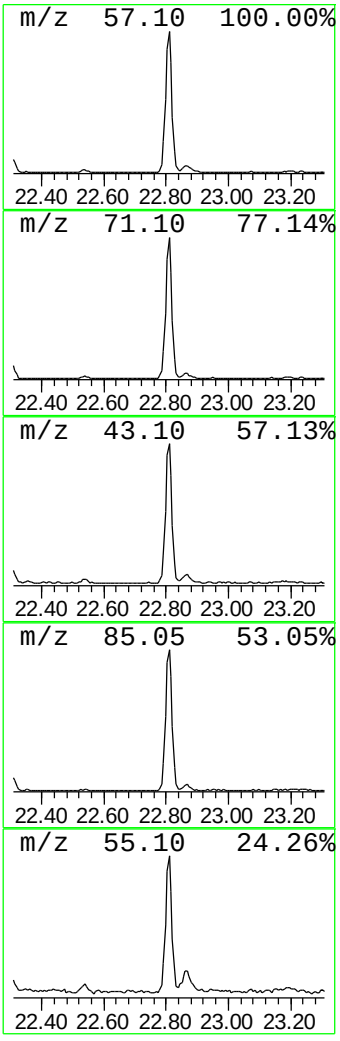
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.81	6.99 ng/ul	845517	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Tetracosane	338	C24H50	000646-31-1	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
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Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

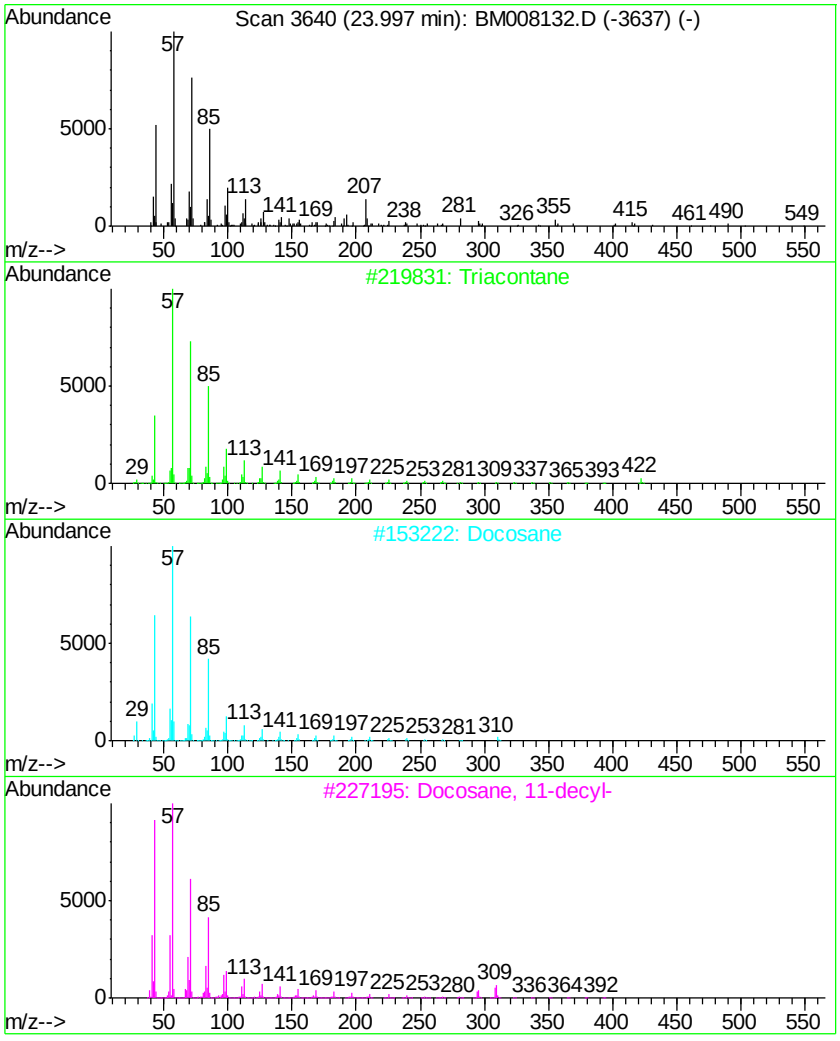
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

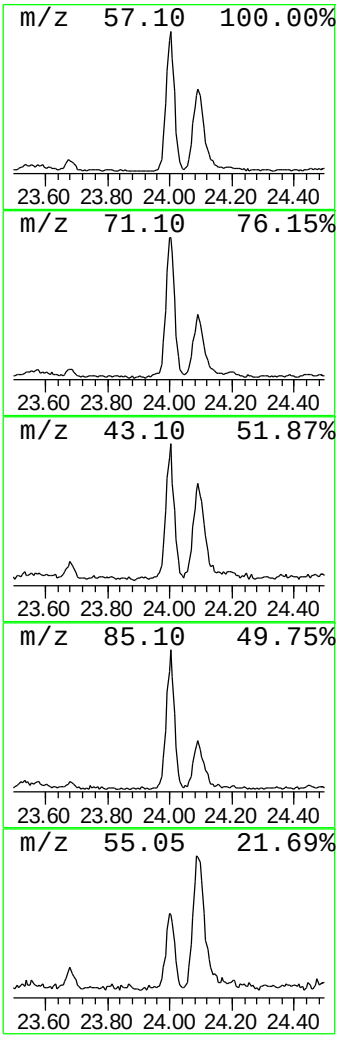
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.00	3.56 ng/ul	430315	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	90
2	Docosane	310	C22H46	000629-97-0	87
3	Docosane, 11-decyl-	451	C32H66	055401-55-3	87
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

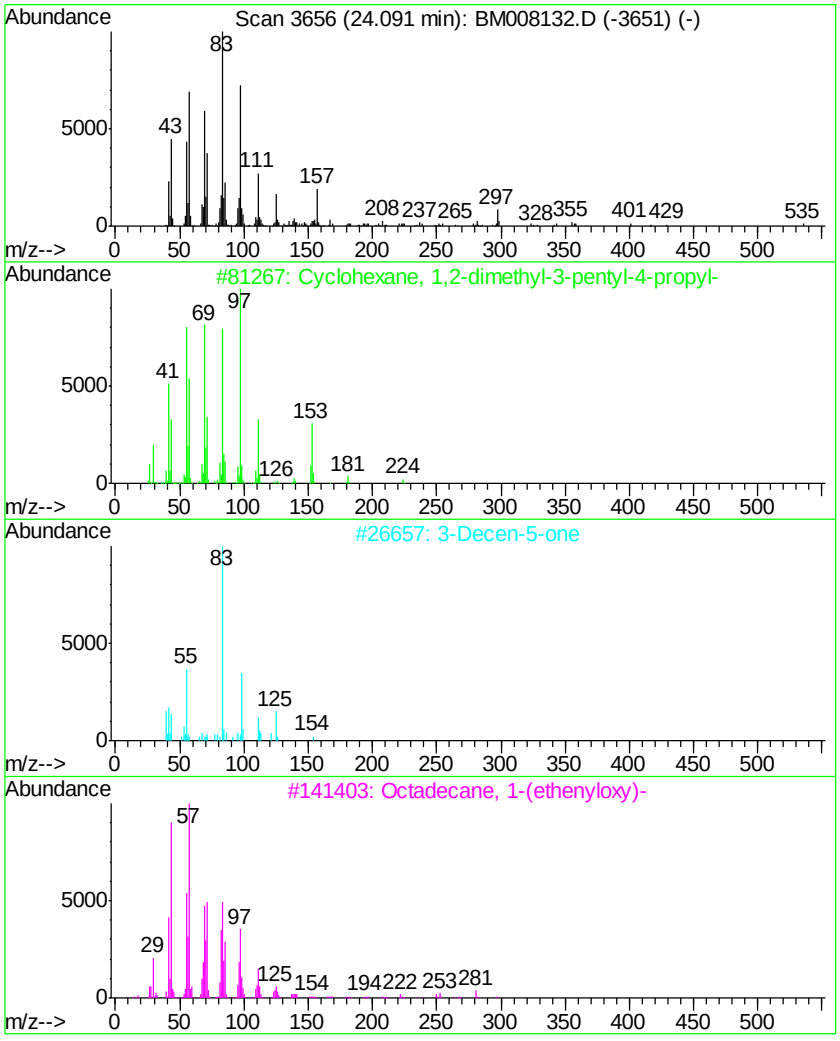
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

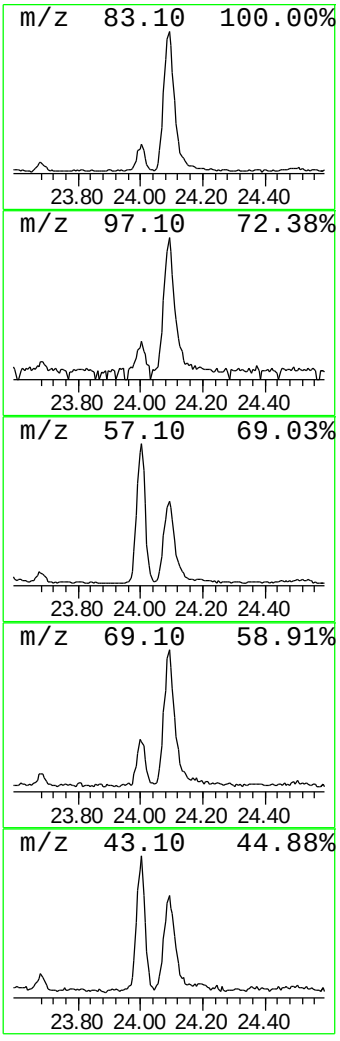
****

Peak Number 7 (DEL) Alkane: Cyclic24.09 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	5.48 ng/ul	663694	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	45
2	3-Decen-5-one	154	C10H18O	032064-73-6	38
3	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	30
4	Hexatriacontyl trifluoroacetate	619	C38H73F3O2	1000351-88-6	30
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120116\
Data File : BM008132.D
Acq On : 01 Dec 2016 11:13
Operator : UM/SJ
Sample : H5701-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WE3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.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
18-Norabietane	18.55	3.9	ng/ul	488388	4	17.09	2511150	20.0
4b,8-Dimethyl-2-i...	18.70	6.2	ng/ul	777080	4	17.09	2511150	20.0
3,4'-Diisopropylb...	19.20	4.2	ng/ul	611504	5	21.28	2899310	20.0
Retene	19.93	9.0	ng/ul	1307500	5	21.28	2899310	20.0
(DEL) Alkane: Str...	22.81	7.0	ng/ul	845517	6	23.52	2420640	20.0
(DEL) Alkane: Str...	24.00	3.6	ng/ul	430315	6	23.52	2420640	20.0
(DEL) Alkane: Cyc...	24.09	5.5	ng/ul	663694	6	23.52	2420640	20.0