LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120319\
Data File : BM023987.D
Acq On : 04 Dec 2019 01:37
Operator : JU
Sample : K5914-18
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLNT3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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	3.028	22	24	35	rVB	103351	167572	0.74%	0.110%
2	3.652	127	130	138	rVB2	52707	86144	0.38%	0.056%
3	3.734	141	144	149	rVB3	25170	31073	0.14%	0.020%
4	4.646	295	299	303	rBV	36163	57190	0.25%	0.037%
5	6.669	637	643	658	rBV	1686674	2963997	13.09%	1.941%
6	6.828	665	670	688	rVB	1372198	2246096	9.92%	1.471%
7	7.016	696	702	714	rBV	1818295	2932402	12.95%	1.921%
8	7.481	772	781	791	rBV	1156767	1832466	8.09%	1.200%
9	8.198	896	903	919	rBV	1990893	3295756	14.55%	2.159%
10	8.316	919	923	927	rVB5	16947	31281	0.14%	0.020%
11	8.634	970	977	992	rBV	1640222	2716420	11.99%	1.779%
12	9.075	1047	1052	1059	rBV	21568	34861	0.15%	0.023%
13	9.351	1091	1099	1117	rBV	1311075	2260019	9.98%	1.480%
14	9.886	1182	1190	1205	rBV	2116737	3617091	15.97%	2.369%
15	10.251	1245	1252	1264	rBV	1553630	2553087	11.27%	1.672%
16	10.398	1270	1277	1299	rBV	1488406	2950311	13.03%	1.932%
17	11.857	1520	1525	1533	rVB	29744	52606	0.23%	0.034%
18	12.516	1628	1637	1651	rBV4	25019	90412	0.40%	0.059%
19	13.051	1724	1728	1733	rBV5	15045	23100	0.10%	0.015%
20	13.563	1809	1815	1819	rBV	3791374	5185191	22.89%	3.396%
21	13.610	1819	1823	1834	rVB	1524903	2084695	9.20%	1.365%
22	13.827	1853	1860	1871	rBV	4249862	6426783	28.37%	4.210%
23	14.139	1906	1913	1922	rVV2	2236456	3353917	14.81%	2.197%
24	14.210	1922	1925	1929	rVV3	37087	58937	0.26%	0.039%
25	14.251	1929	1932	1938	rVB5	30043	42444	0.19%	0.028%
26	14.374	1946	1953	1972	rBV	1199403	2317442	10.23%	1.518%
27	14.545	1978	1982	1985	rBV4	17708	29373	0.13%	0.019%
28	14.586	1985	1989	1998	rVB2	123193	200527	0.89%	0.131%
29	14.716	2007	2011	2015	rVB3	30316	38490	0.17%	0.025%
30	15.145	2077	2084	2094	rBV	5658030	8073301	35.64%	5.288%
31	15.286	2100	2108	2119	rVV	1413310	2050914	9.05%	1.343%
32	15.386	2121	2125	2131	rVB2	58239	90159	0.40%	0.059%
33	15.545	2147	2152	2156	rBV3	102168	156758	0.69%	0.103%
34	15.586	2156	2159	2163	rVV2	46249	61440	0.27%	0.040%

LSC Area Percent Report

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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Title : SVOA CALIBRATION

35	15.780	2187	2192	2198	rBV	356729	480478	2.12%	0.315%
36	15.927	2214	2217	2223	rVB6	29525	44634	0.20%	0.029%
37	16.451	2302	2306	2313	rVB2	30268	44368	0.20%	0.029%
38	16.686	2342	2346	2352	rBV6	26926	45561	0.20%	0.030%
39	16.798	2359	2365	2371	rBV4	51582	76025	0.34%	0.050%
40	16.898	2375	2382	2392	rVV	2640423	3796644	16.76%	2.487%
41	16.992	2392	2398	2412	rBV	5744032	8449868	37.31%	5.535%
42	17.104	2412	2417	2423	rVV	233574	319434	1.41%	0.209%
43	17.309	2449	2452	2460	rVB7	22457	38604	0.17%	0.025%
44	17.698	2513	2518	2521	rBV7	16803	31611	0.14%	0.021%
45	17.821	2534	2539	2555	rBV	693079	1158288	5.11%	0.759%
46	18.133	2585	2592	2598	rBV7	21514	61755	0.27%	0.040%
47	18.192	2598	2602	2607	rVB	148686	191500	0.85%	0.125%
48	18.292	2615	2619	2625	rVB8	28446	44811	0.20%	0.029%
49	18.762	2695	2699	2704	rBV	38812	60479	0.27%	0.040%
50	18.939	2724	2729	2736	rBV	73424	140126	0.62%	0.092%
51	19.115	2754	2759	2767	rBV2	247250	438326	1.94%	0.287%
52	19.186	2768	2771	2775	rVB	77024	99618	0.44%	0.065%
53	19.303	2785	2791	2797	rBV	7323649	9973738	44.03%	6.533%
54	19.886	2886	2890	2895	rBV	199333	195253	0.86%	0.128%
55	20.427	2979	2982	2987	rVB3	127285	160179	0.71%	0.105%
56	20.756	3034	3038	3044	rBV	431957	569767	2.52%	0.373%
57	20.845	3049	3053	3061	rBV	1021671	1343775	5.93%	0.880%
58	21.103	3092	3097	3106	rBV	3762020	4746006	20.95%	3.109%
59	21.286	3126	3128	3131	rVB	111461	97641	0.43%	0.064%
60	21.709	3196	3200	3209	rBV2	748673	1238573	5.47%	0.811%
61	22.150	3272	3275	3278	rVB	222992	261890	1.16%	0.172%
62	22.268	3292	3295	3300	rVB	306059	346132	1.53%	0.227%
63	22.633	3353	3357	3361	rBV	412003	544496	2.40%	0.357%
64	23.115	3432	3439	3445	rBV	6686242	11587867	51.16%	7.590%
65	23.244	3455	3461	3476	rVB	3080602	5722285	25.26%	3.748%
66	26.485	4002	4012	4020	rBV2	7351382	22649671	100.00%	14.835%
67	26.568	4021	4026	4036	rVB2	2619438	6863017	30.30%	4.495%
68	26.826	4062	4070	4080	rBV4	1319839	4401804	19.43%	2.883%
69	26.968	4087	4094	4115	rVB3	2456119	8335871	36.80%	5.460%

Sum of corrected areas: 152672350

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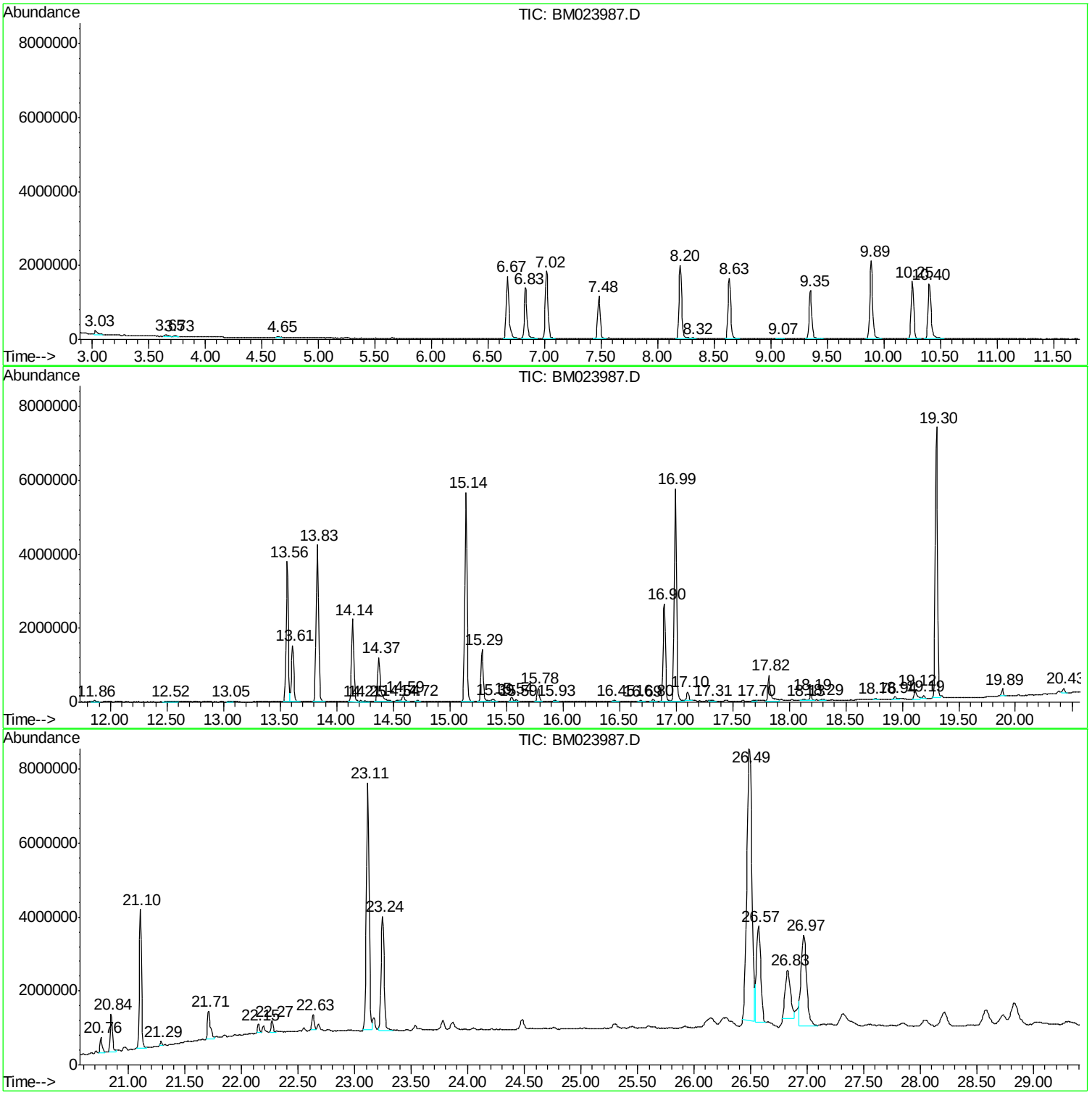
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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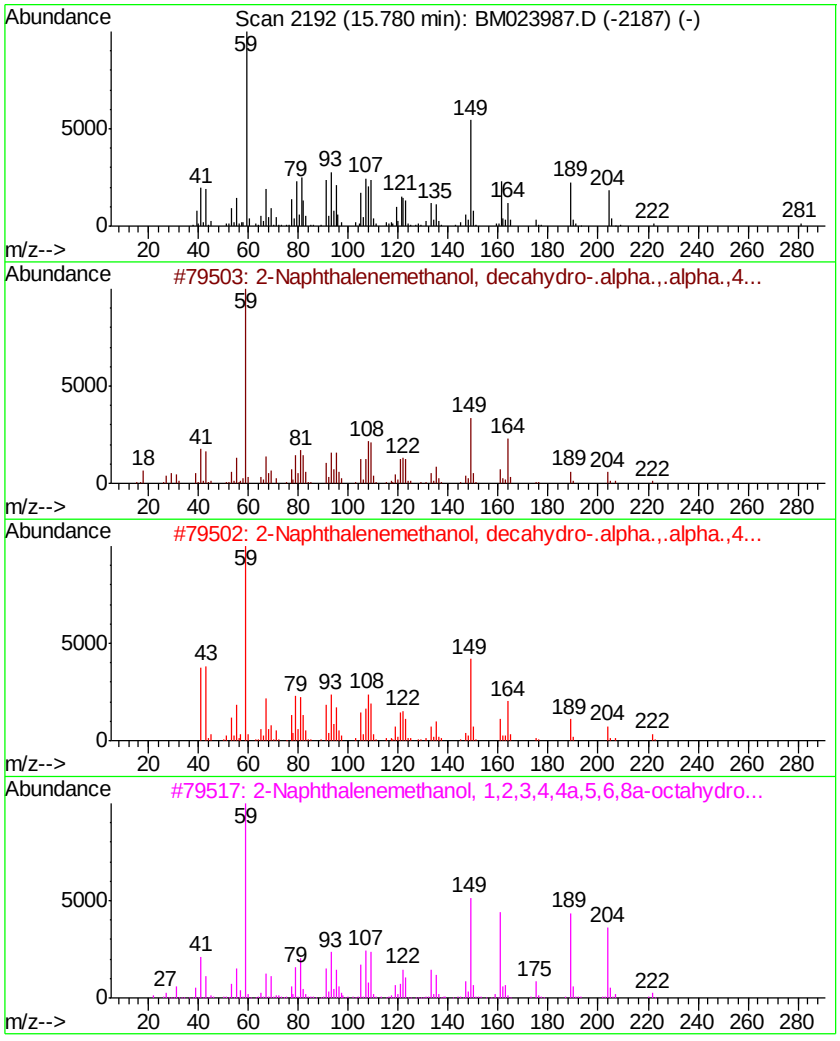
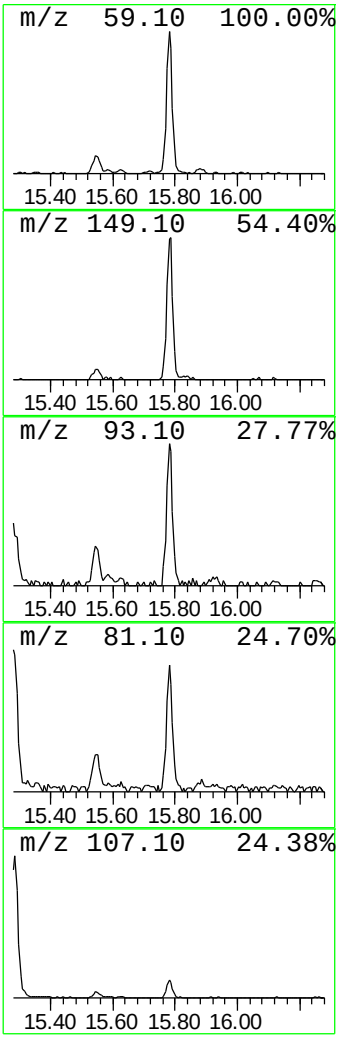
****

Peak Number 1 2-Naphthalenemethanol, deca... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	2.53 ng/ul	480478	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenemethanol, decahydro...	222	C15H26O	000473-15-4	86
2	2-Naphthalenemethanol, decahydro...	222	C15H26O	000473-15-4	72
3	2-Naphthalenemethanol, 1,2,3,4,4...	222	C15H26O	000473-16-5	45
4	2-Naphthalenemethanol, decahydro...	222	C15H26O	000473-15-4	41
5	2-Naphthalenemethanol, 1,2,3,4,4...	222	C15H26O	079254-46-9	30





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLNT3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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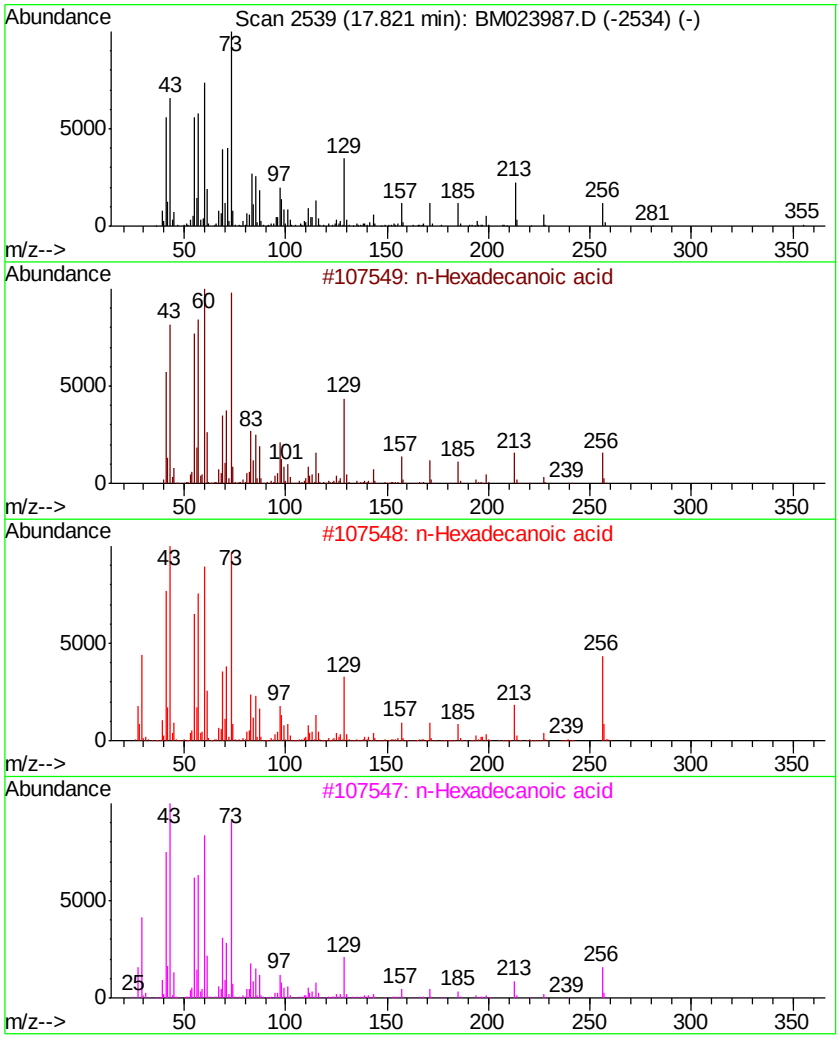
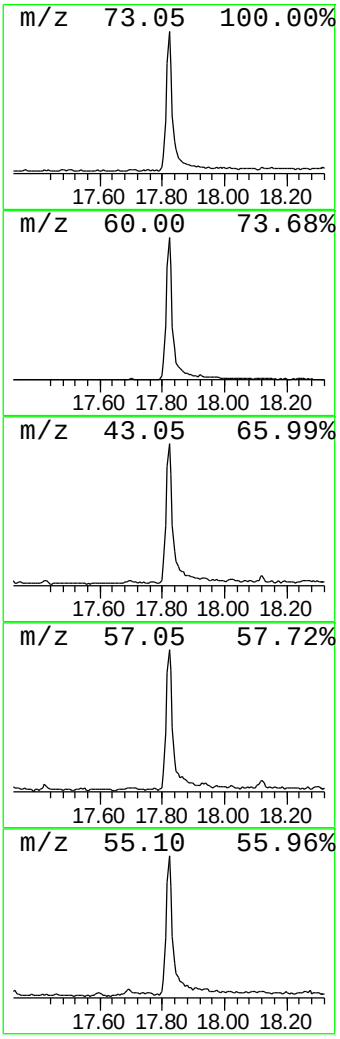
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.10 ng/ul	1158290	Phenanthrene-d10	16.90

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	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	76





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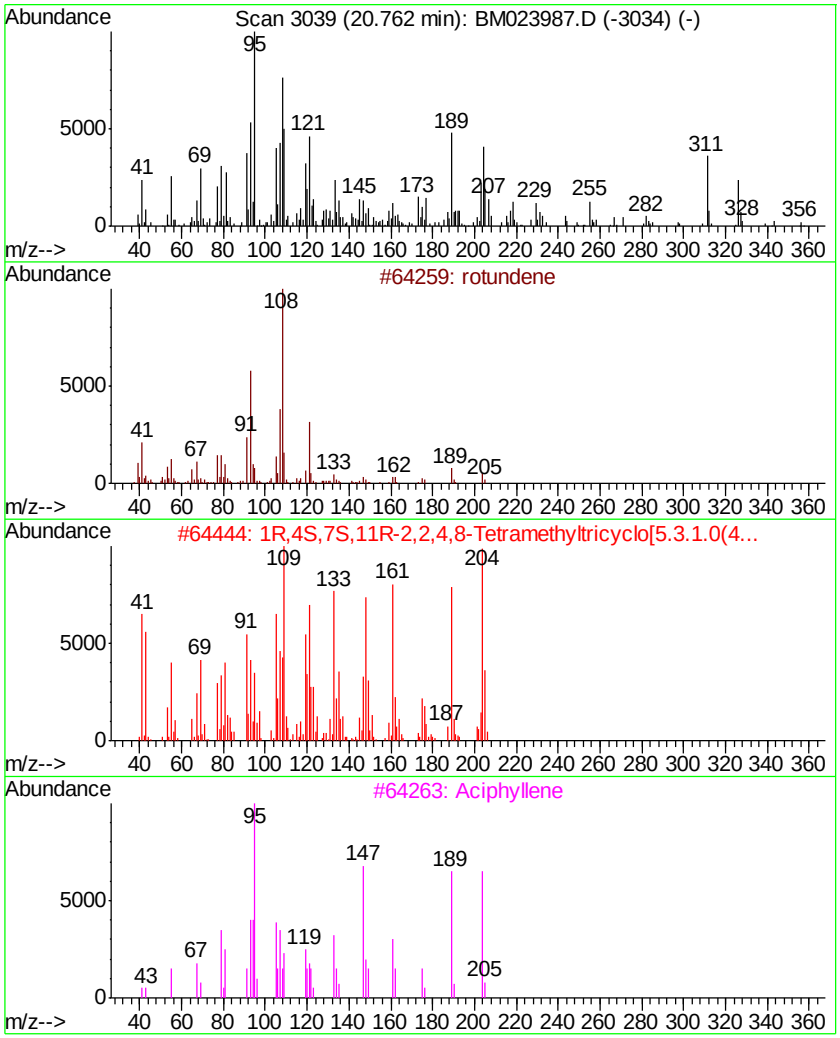
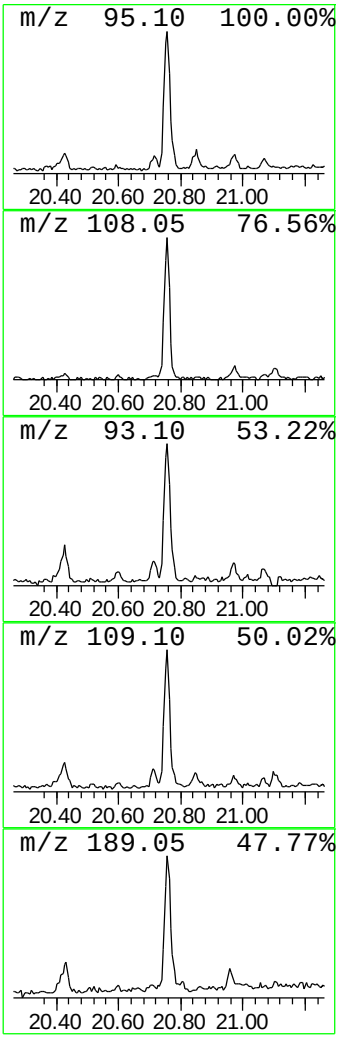
****

Peak Number 3 rotundene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.40 ng/ul	569767	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	rotundene	204	C15H24	1000374-17-0	50
2	1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204	C15H24	1000140-07-6	47
3	Aciphyllene	204	C15H24	087745-31-1	45
4	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	41
5	1,4-Methano-1H-indene, octahydro...	204	C15H24	003650-28-0	25





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Quant Title : SVOA CALIBRATION

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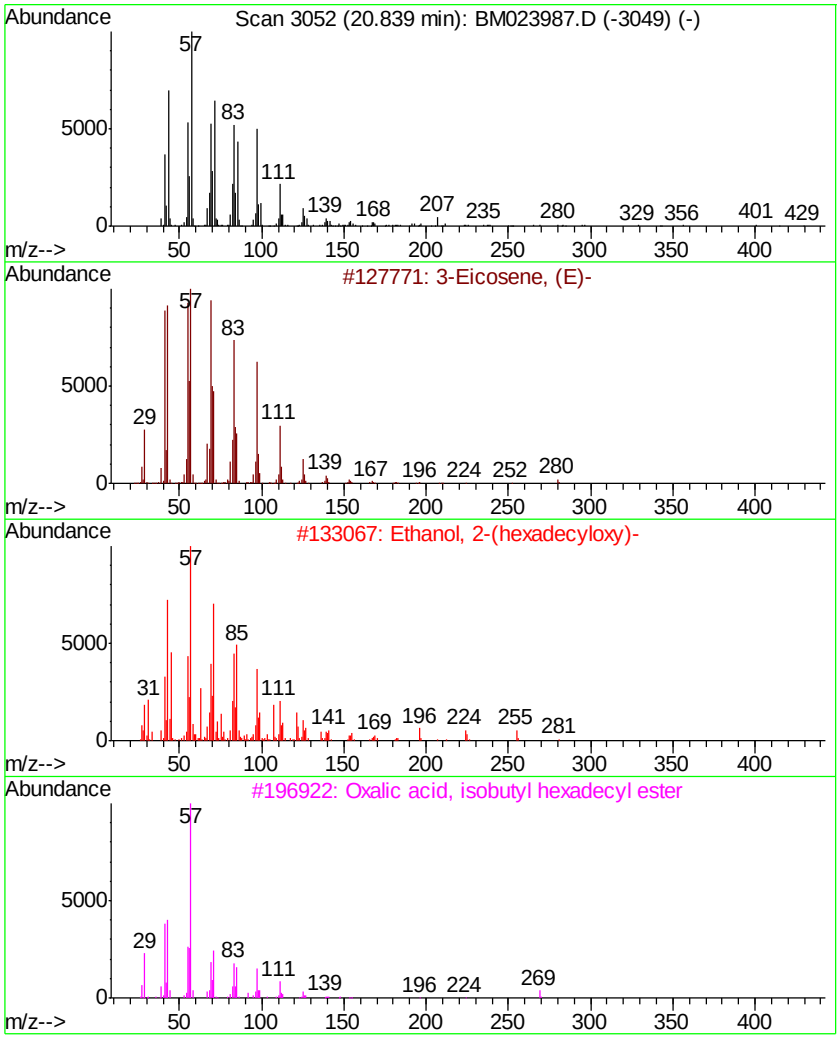
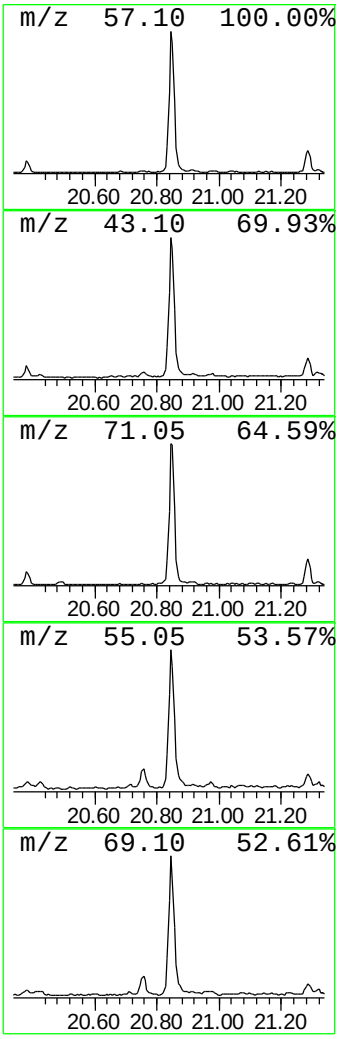
****

Peak Number 4 (DEL) Alkane: Cyclic20.84 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	5.66 ng/ul	1343780	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
2	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	91
3	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	90
4	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	87
5	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	83





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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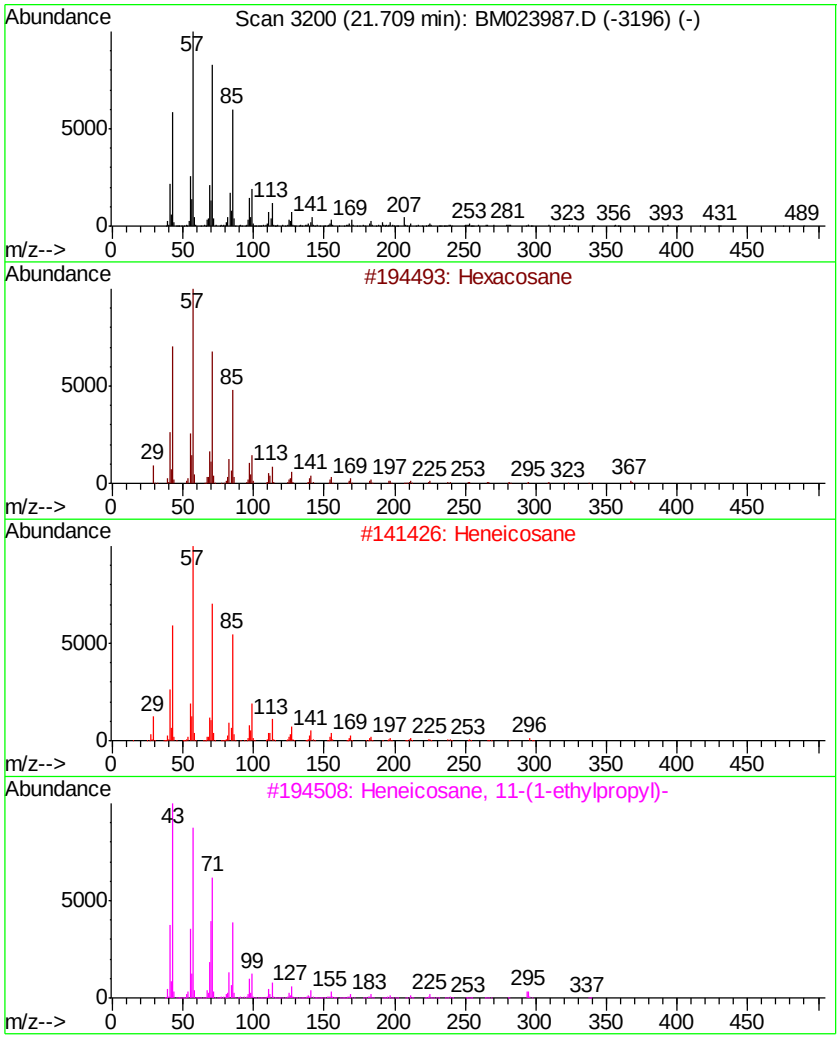
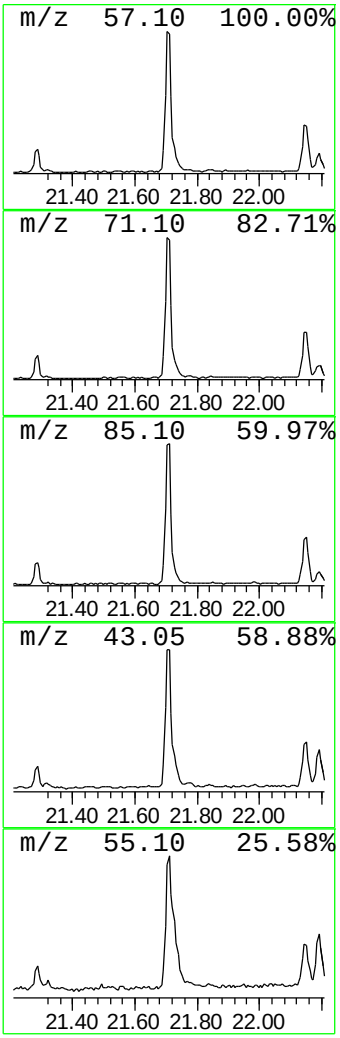
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.71	5.22 ng/ul	1238570	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Hexadecane	226	C16H34	000544-76-3	87





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Quant Title : SVOA CALIBRATION

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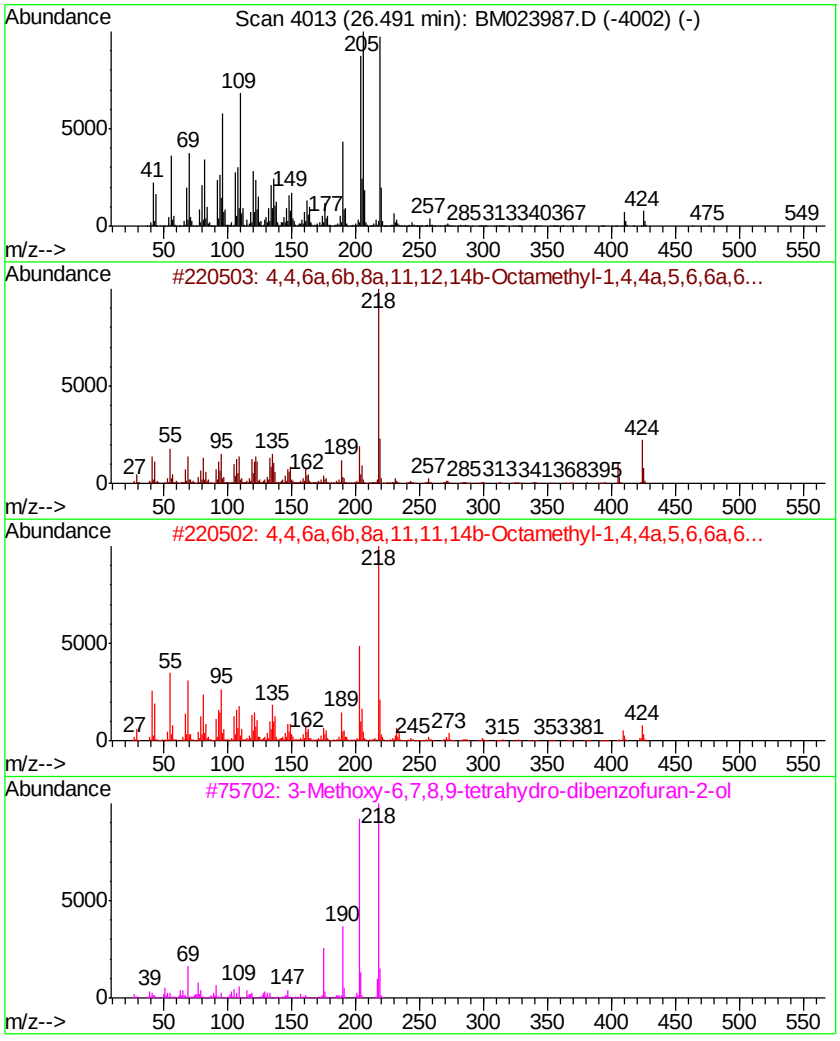
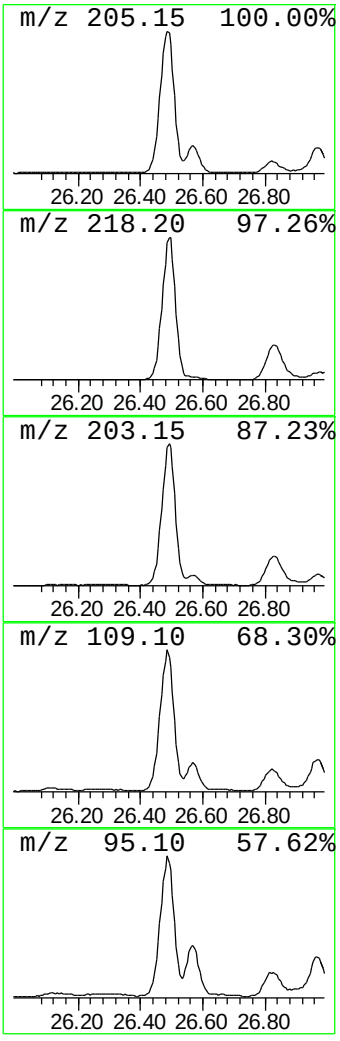
****

Peak Number 6 4,4,6a,6b,8a,11,12,14b-Octa... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.49	79.16 ng/ul	22649700	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4,6a,6b,8a,11,12,14b-Octamethy...	424	C30H48O	1000194-64-2	51
2	4,4,6a,6b,8a,11,11,14b-Octamethy...	424	C30H48O	1000194-62-4	42
3	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	38
4	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	35
5	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	30





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Quant Title : SVOA CALIBRATION

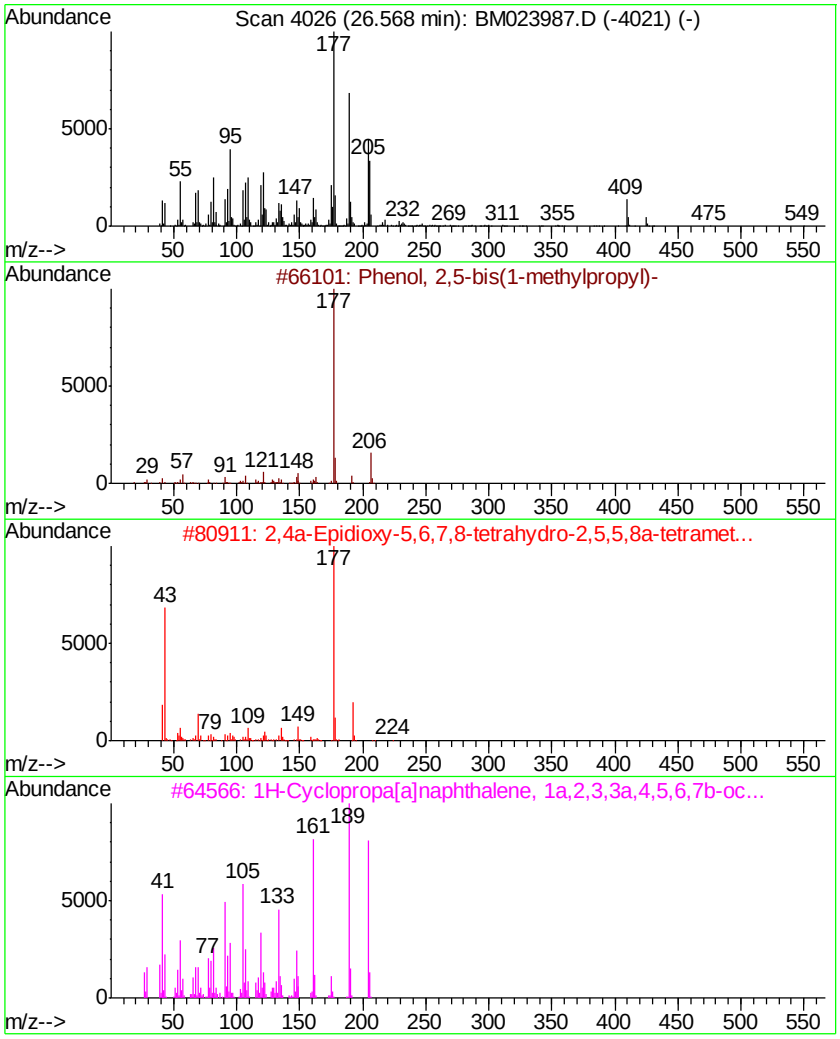
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

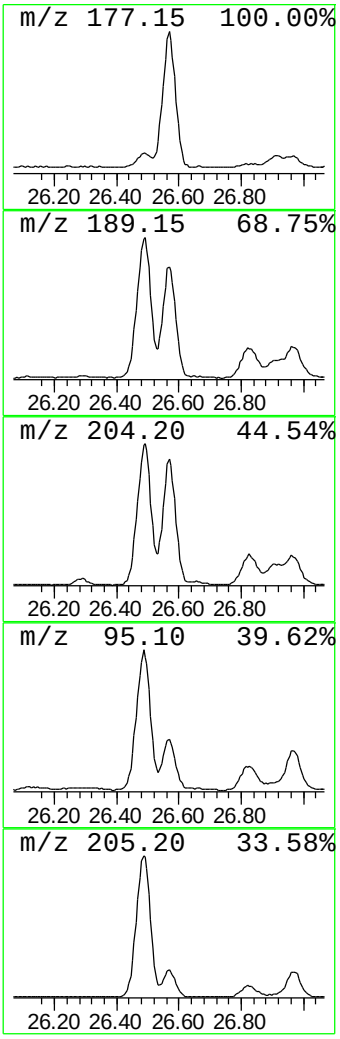
****

Peak Number 7 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.57	23.99 ng/ul	6863020	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,5-bis(1-methylpropyl)-	206	C14H22O	054932-77-3	35
2	2,4a-Epidioxy-5,6,7,8-tetrahydro...	224	C13H20O3	1000212-29-9	35
3	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	000489-29-2	30
4	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	30
5	Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120319\
Data File : BM023987.D
Acq On : 04 Dec 2019 01:37
Operator : JU
Sample : K5914-18
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLNT3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

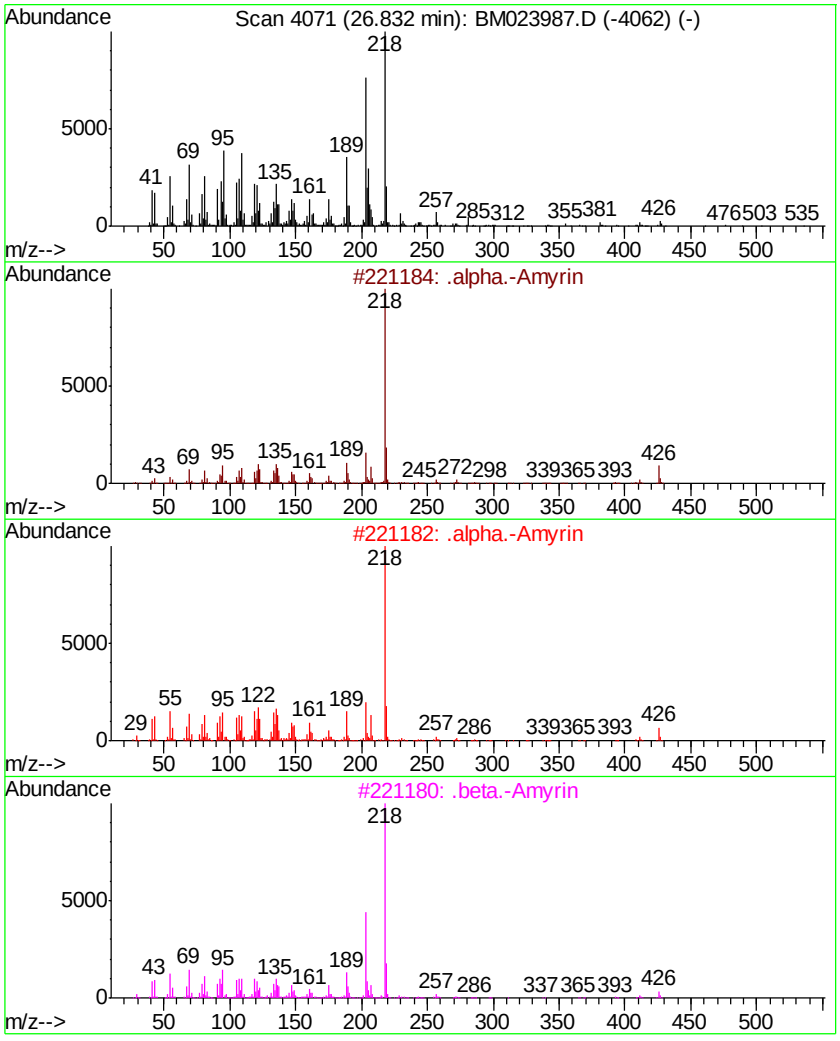
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

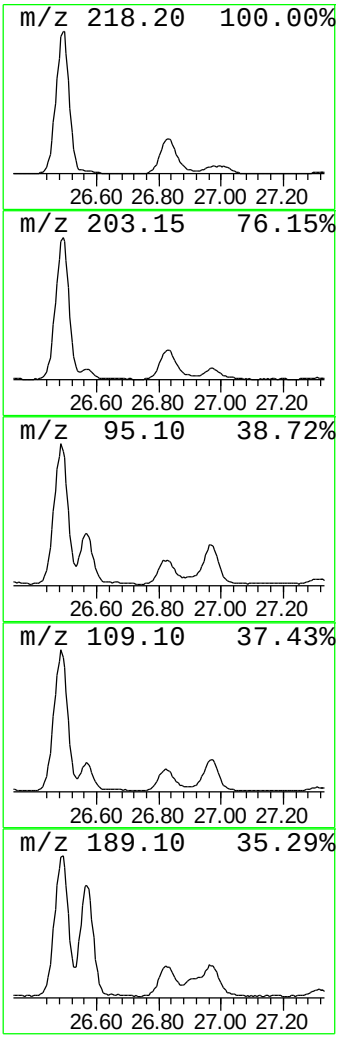
****

Peak Number 8 .alpha.-Amyrin Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.83	15.38 ng/ul	4401800	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Amyrin	426	C30H50O	000638-95-9	86
2	.alpha.-Amyrin	426	C30H50O	000638-95-9	55
3	.beta.-Amyrin	426	C30H50O	000559-70-6	46
4	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	43
5	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120319\
Data File : BM023987.D
Acq On : 04 Dec 2019 01:37
Operator : JU
Sample : K5914-18
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLNT3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

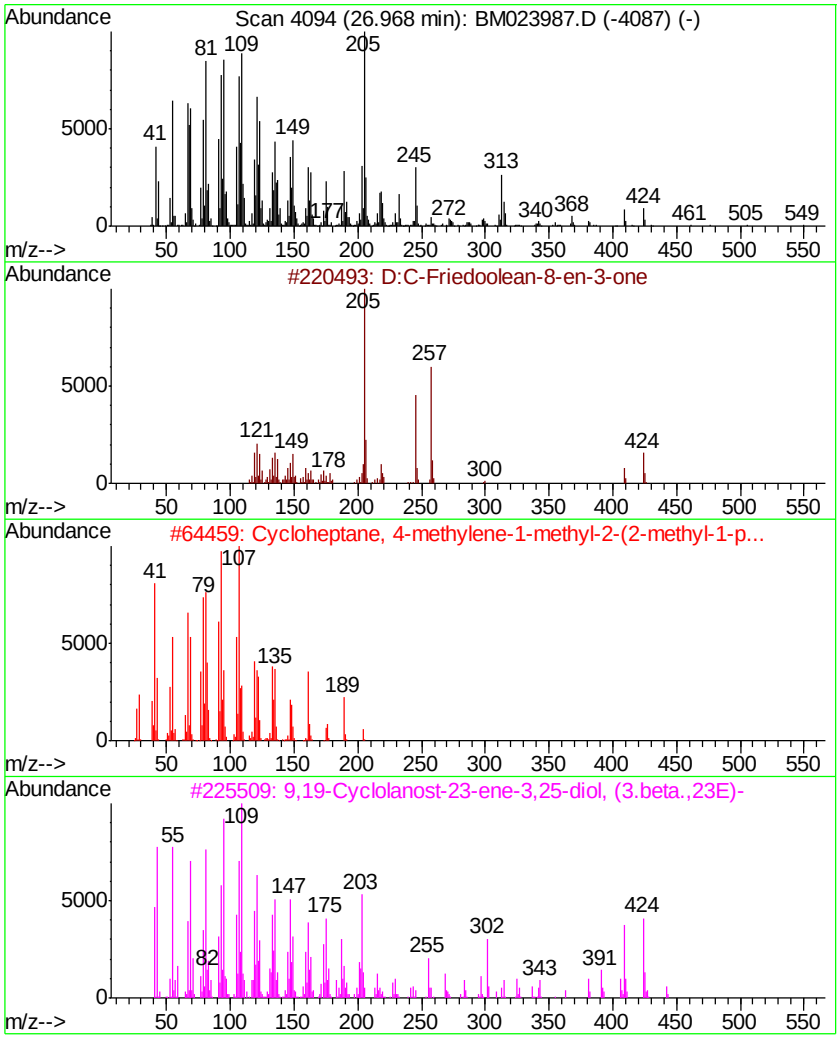
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

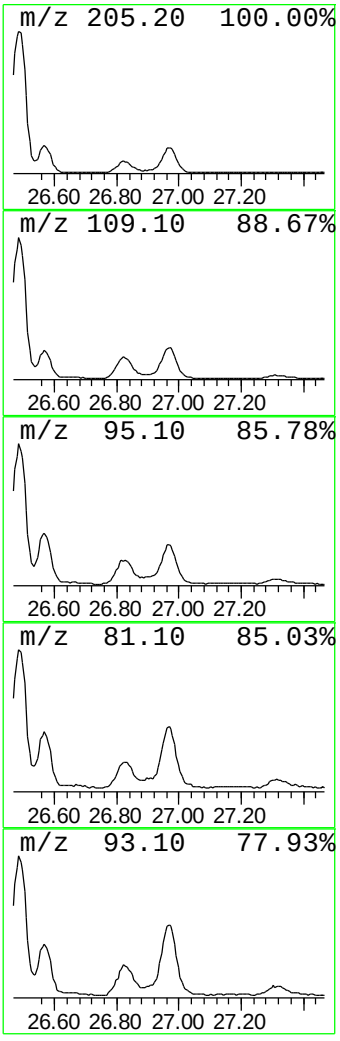
****

Peak Number 9 D:C-Friedoolean-8-en-3-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.97	29.13 ng/ul	8335870	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	76
2	Cycloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	56
3	9,19-Cyclolanost-23-ene-3,25-dio...	442	C30H50O2	054482-57-4	50
4	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	43
5	But-3-enal, 2-methyl-4-(2,6,6-tr...	206	C14H22O	104900-59-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120319\
Data File : BM023987.D
Acq On : 04 Dec 2019 01:37
Operator : JU
Sample : K5914-18
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLNT3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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
2-Naphthalenemeth...	15.78	2.5	ng/ul	480478	4	16.90	3796640	20.0
n-Hexadecanoic acid	17.82	6.1	ng/ul	1158290	4	16.90	3796640	20.0
rotundene	20.76	2.4	ng/ul	569767	5	21.10	4746010	20.0
(DEL) Alkane: Cyc...	20.84	5.7	ng/ul	1343780	5	21.10	4746010	20.0
(DEL) Alkane: Str...	21.71	5.2	ng/ul	1238570	5	21.10	4746010	20.0
4,4,6a,6b,8a,11,1...	26.49	79.2	ng/ul	22649700	6	23.24	5722290	20.0
unknown-01	26.57	24.0	ng/ul	6863020	6	23.24	5722290	20.0
.alpha.-Amyrin	26.83	15.4	ng/ul	4401800	6	23.24	5722290	20.0
D:C-Friedoolean-8...	26.97	29.1	ng/ul	8335870	6	23.24	5722290	20.0