LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019712.D
Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

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-BM032219MA.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	3.122	20	23	36	rVB	38290	73593	2.04%	0.176%
2	3.628	105	109	114	rBV4	8920	14828	0.41%	0.035%
3	3.816	137	141	143	rBV3	5905	8831	0.25%	0.021%
4	4.722	290	295	298	rBV5	5491	9524	0.26%	0.023%
5	4.757	298	301	308	rVB5	7870	14597	0.41%	0.035%
6	6.757	635	641	656	rBV	335379	712783	19.81%	1.705%
7	6.922	664	669	686	rBV	299895	539306	14.99%	1.290%
8	7.104	693	700	717	rVB	419457	716616	19.91%	1.714%
9	7.569	772	779	788	rBV	595294	971634	27.00%	2.324%
10	7.634	788	790	798	rVB4	8338	15421	0.43%	0.037%
11	8.287	895	901	919	rBV	441013	818320	22.74%	1.957%
12	8.416	919	923	930	rVB	11079	19410	0.54%	0.046%
13	8.740	970	978	993	rBV	387869	703851	19.56%	1.683%
14	9.063	1028	1033	1038	rBV	14364	20335	0.57%	0.049%
15	9.451	1093	1099	1117	rBV	333553	598403	16.63%	1.431%
16	9.987	1182	1190	1208	rBV	402690	868139	24.12%	2.076%
17	10.345	1244	1251	1265	rBV	929614	1545088	42.93%	3.696%
18	10.516	1273	1280	1303	rBV	315831	800167	22.23%	1.914%
19	11.975	1523	1528	1531	rBV2	3017	5348	0.15%	0.013%
20	13.028	1703	1707	1710	rVB3	4459	6386	0.18%	0.015%
21	13.651	1807	1813	1818	rBV	1003437	1468185	40.80%	3.512%
22	13.698	1818	1821	1831	rVB	242365	354664	9.85%	0.848%
23	13.922	1851	1859	1874	rBV	1208402	1720159	47.80%	4.114%
24	14.110	1888	1891	1895	rBV	5485	6761	0.19%	0.016%
25	14.227	1905	1911	1922	rBV2	1409106	2170628	60.31%	5.192%
26	14.492	1950	1956	1974	rBV	140631	461003	12.81%	1.103%
27	14.663	1982	1985	1986	rBV3	5069	6065	0.17%	0.015%
28	14.733	1995	1997	2002	rVB4	5383	6142	0.17%	0.015%
29	15.022	2041	2046	2051	rBV	9434	13537	0.38%	0.032%
30	15.074	2051	2055	2058	rVB	10614	13590	0.38%	0.033%
31	15.233	2075	2082	2095	rBV	1528664	2215342	61.56%	5.299%
32	15.386	2102	2108	2118	rBV	347379	575555	15.99%	1.377%
33	15.474	2120	2123	2127	rVB3	20193	27003	0.75%	0.065%
34	15.569	2136	2139	2143	rVB4	3372	4360	0.12%	0.010%

LSC Area Percent Report

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Data File : BM019712.D
Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

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-BM032219MA.M
Title : SVOA CALIBRATION

35	15.633	2143	2150	2156	rVV7	3395	8062	0.22%	0.019%
36	15.692	2158	2160	2165	rVB3	3019	3640	0.10%	0.009%
37	15.810	2177	2180	2183	rBV3	3913	5631	0.16%	0.013%
38	15.933	2197	2201	2204	rBV2	13009	18396	0.51%	0.044%
39	16.021	2212	2216	2219	rVB2	6989	7741	0.22%	0.019%
40	16.127	2229	2234	2236	rVB4	2967	4849	0.13%	0.012%
41	16.186	2241	2244	2250	rVB5	4198	5728	0.16%	0.014%
42	16.345	2268	2271	2274	rVB4	3136	3746	0.10%	0.009%
43	16.398	2277	2280	2281	rBV2	4158	3679	0.10%	0.009%
44	16.539	2300	2304	2310	rVB3	10273	14436	0.40%	0.035%
45	16.733	2333	2337	2340	rBV3	13621	16778	0.47%	0.040%
46	16.780	2340	2345	2349	rVV3	11388	18058	0.50%	0.043%
47	16.992	2375	2381	2391	rBV	1900496	2611536	72.57%	6.246%
48	17.092	2391	2398	2410	rVV	1651598	2370695	65.87%	5.670%
49	17.198	2414	2416	2422	rVB5	3933	6657	0.18%	0.016%
50	17.280	2425	2430	2434	rBV2	26212	37133	1.03%	0.089%
51	17.327	2434	2438	2444	rVV	51193	62929	1.75%	0.151%
52	17.380	2444	2447	2451	rVV4	4415	6772	0.19%	0.016%
53	17.468	2457	2462	2467	rBV2	14791	19507	0.54%	0.047%
54	17.657	2491	2494	2496	rVB3	3999	4266	0.12%	0.010%
55	17.880	2527	2532	2544	rBV	222668	389620	10.83%	0.932%
56	18.062	2561	2563	2568	rVB5	4907	5008	0.14%	0.012%
57	18.168	2576	2581	2584	rBV4	21054	27978	0.78%	0.067%
58	18.604	2651	2655	2658	rVB3	20721	24073	0.67%	0.058%
59	18.645	2658	2662	2667	rBV	45735	54403	1.51%	0.130%
60	18.809	2685	2690	2695	rBV4	21242	30838	0.86%	0.074%
61	19.033	2724	2728	2731	rBV4	29931	46303	1.29%	0.111%
62	19.174	2748	2752	2761	rBV	148621	249788	6.94%	0.597%
63	19.286	2769	2771	2774	rVB2	12790	12040	0.33%	0.029%
64	19.398	2784	2790	2799	rBV	2035286	2754028	76.52%	6.587%
65	19.733	2843	2847	2850	rBV	227498	243388	6.76%	0.582%
66	19.774	2850	2854	2858	rVB	431322	473588	13.16%	1.133%
67	19.933	2878	2881	2885	rVB	39290	43166	1.20%	0.103%
68	20.427	2962	2965	2971	rBV2	63834	81276	2.26%	0.194%
69	20.709	3010	3013	3016	rBV	97992	105548	2.93%	0.252%
70	20.745	3016	3019	3023	rVB	177124	184182	5.12%	0.441%
71	20.898	3041	3045	3054	rBV	277604	379590	10.55%	0.908%

LSC Area Percent Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

72	21.198	3091	3096	3110	rBV	2651640	3239566	90.02%	7.748%
73	21.333	3115	3119	3124	rBV	245384	272752	7.58%	0.652%
74	21.574	3158	3160	3163	rBV2	56489	64780	1.80%	0.155%
75	21.609	3163	3166	3171	rVB	108990	113478	3.15%	0.271%
76	21.756	3187	3191	3195	rBV	389808	457665	12.72%	1.095%
77	22.203	3264	3267	3273	rVB	523416	659392	18.32%	1.577%
78	22.697	3347	3351	3356	rVB	645754	851527	23.66%	2.037%
79	23.256	3439	3446	3454	rBV2	1687475	3598887	100.00%	8.608%
80	23.403	3464	3471	3479	rVB	1604052	3018565	83.87%	7.220%
81	23.868	3545	3550	3558	rVB	504830	927834	25.78%	2.219%
82	24.591	3667	3673	3686	rVB	342469	764286	21.24%	1.828%

Sum of corrected areas: 41809362

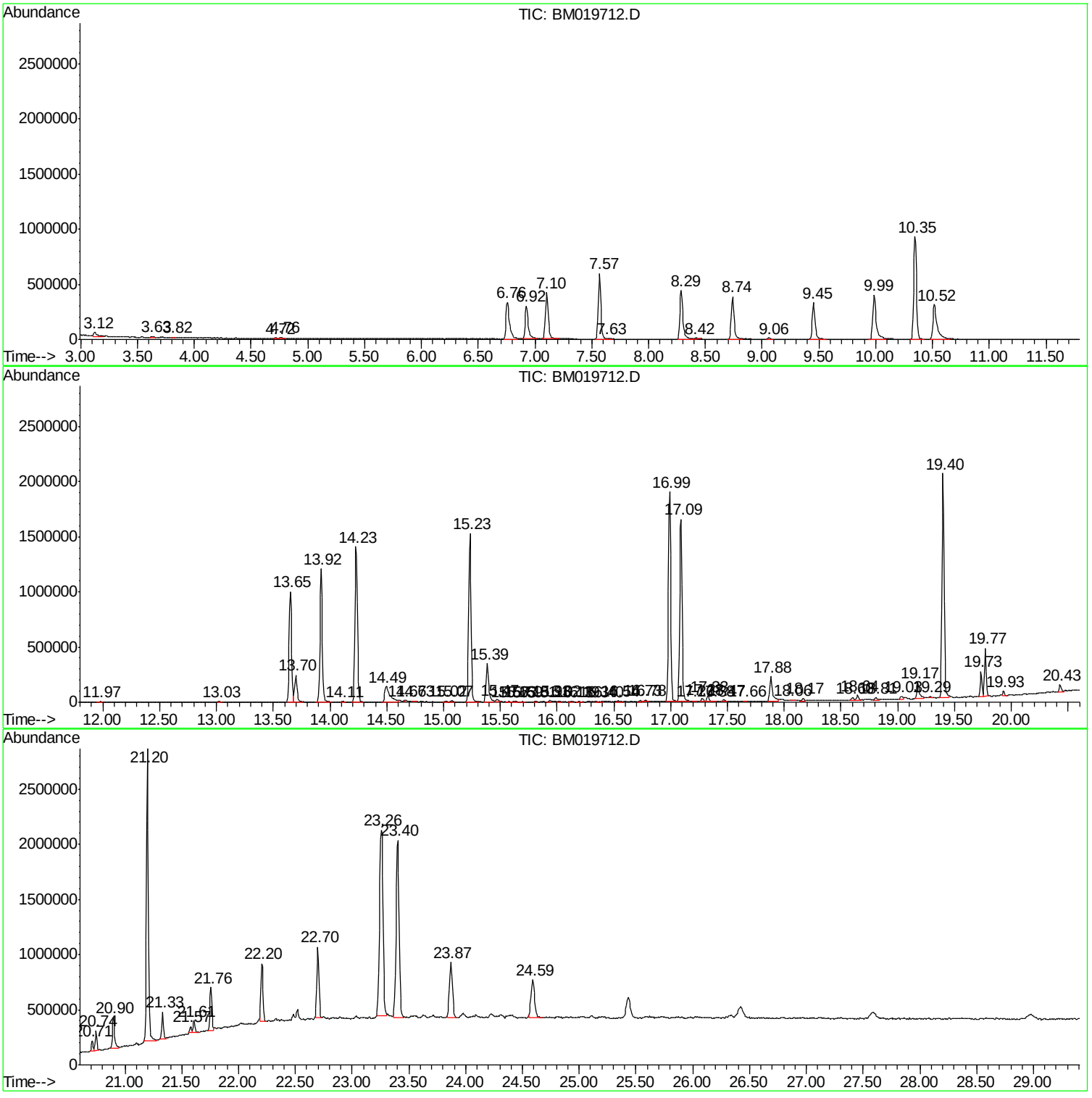
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019712.D
Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019712.D
Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

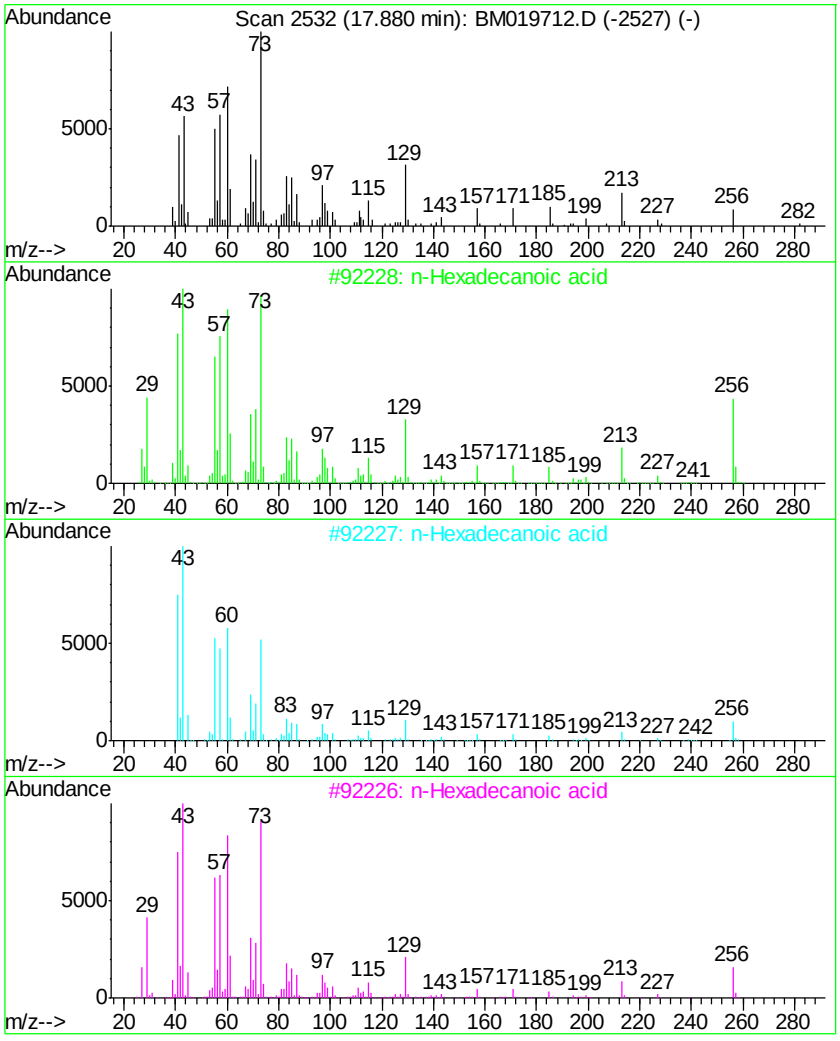
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

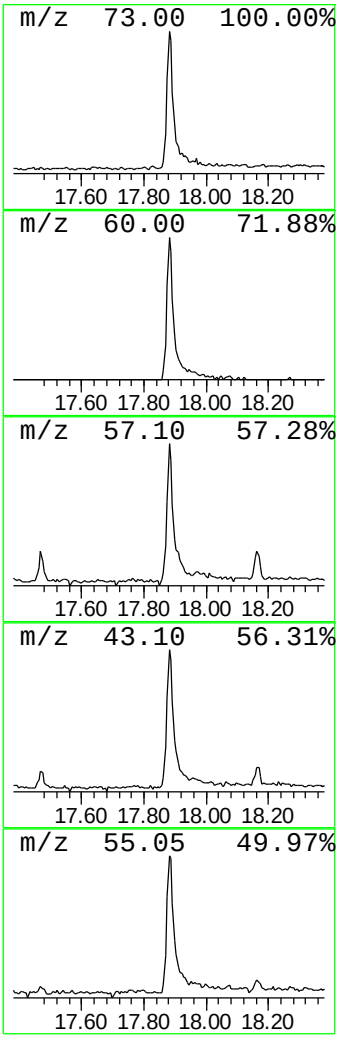
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	2.98 ng/ul	389620	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

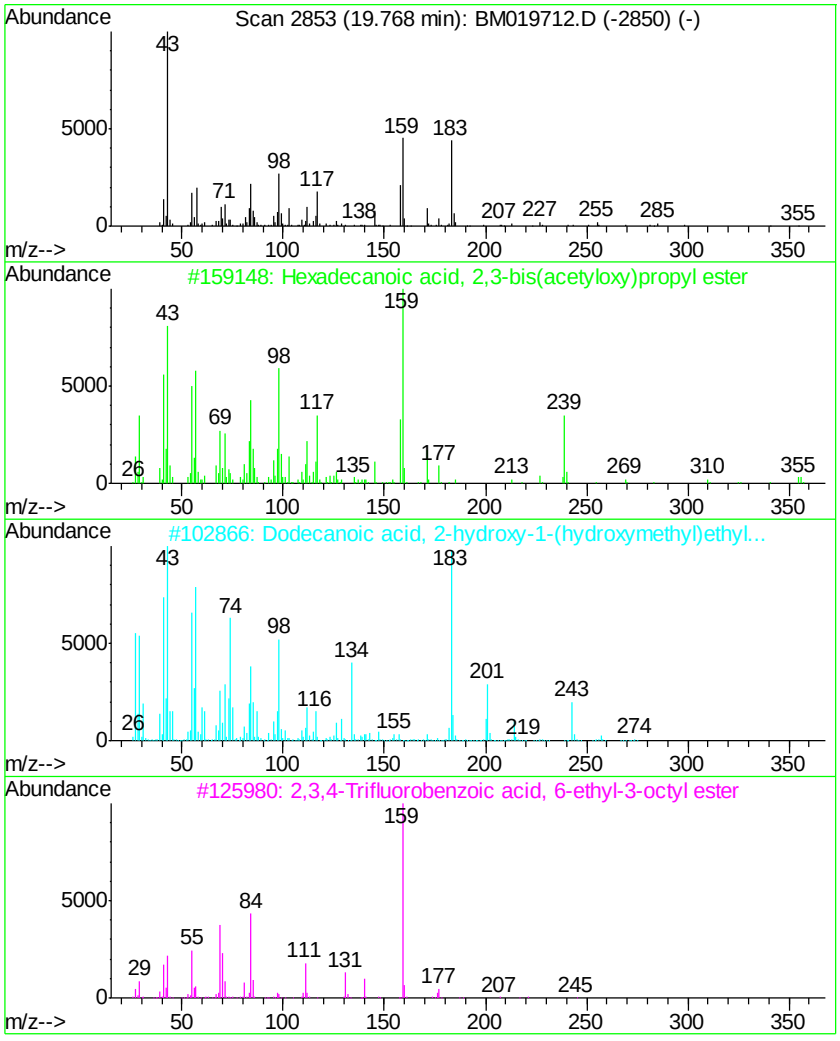
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

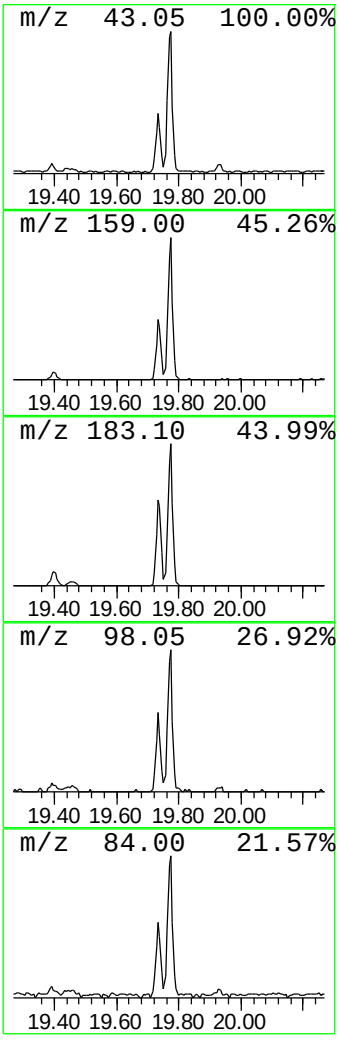
****

Peak Number 2 Hexadecanoic acid, 2,3-bis(... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.92 ng/ul	473588	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2,3-bis(acety...	414	C23H42O6	055268-70-7	58
2	Dodecanoic acid, 2-hydroxy-1-(hy...	274	C15H30O4	001678-45-1	25
3	2,3,4-Trifluorobenzoic acid, 6-e...	316	C17H23F3O2	1000282-58-3	14
4	2,6-Difluorobenzoic acid, tridec...	340	C20H30F2O2	1000292-39-3	10
5	1,2-Dicarbadodecaborane(12), 1-h...	230	C8H24B10	020740-05-0	10





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Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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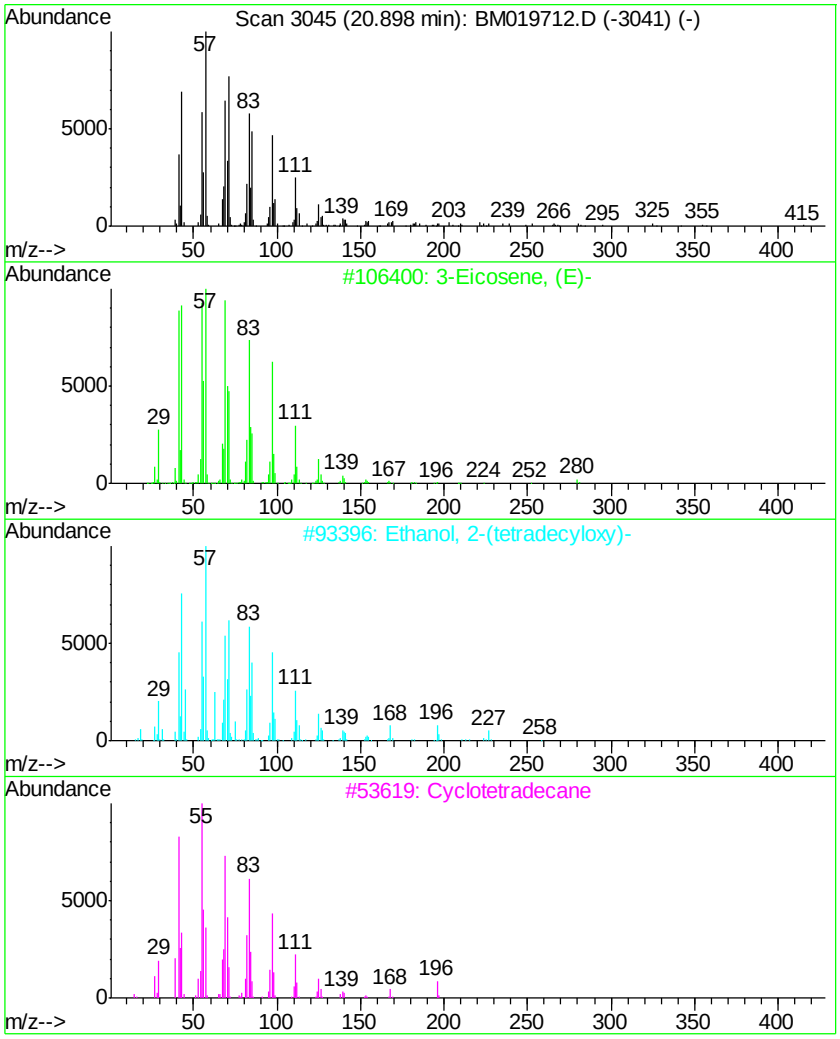
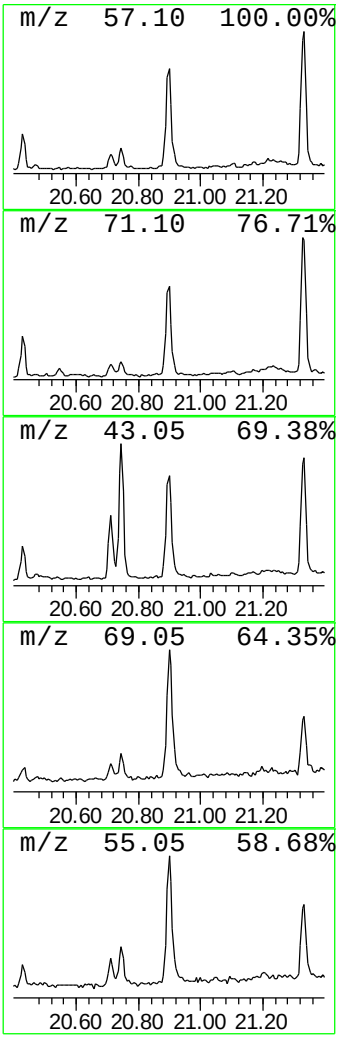
Peak Number 3 (DEL) Alkane: Cyclic20.90 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.34 ng/ul	379590	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	81
3	Cyclotetradecane	196	C14H28	000295-17-0	80
4	1-Nonadecene	266	C19H38	018435-45-5	78
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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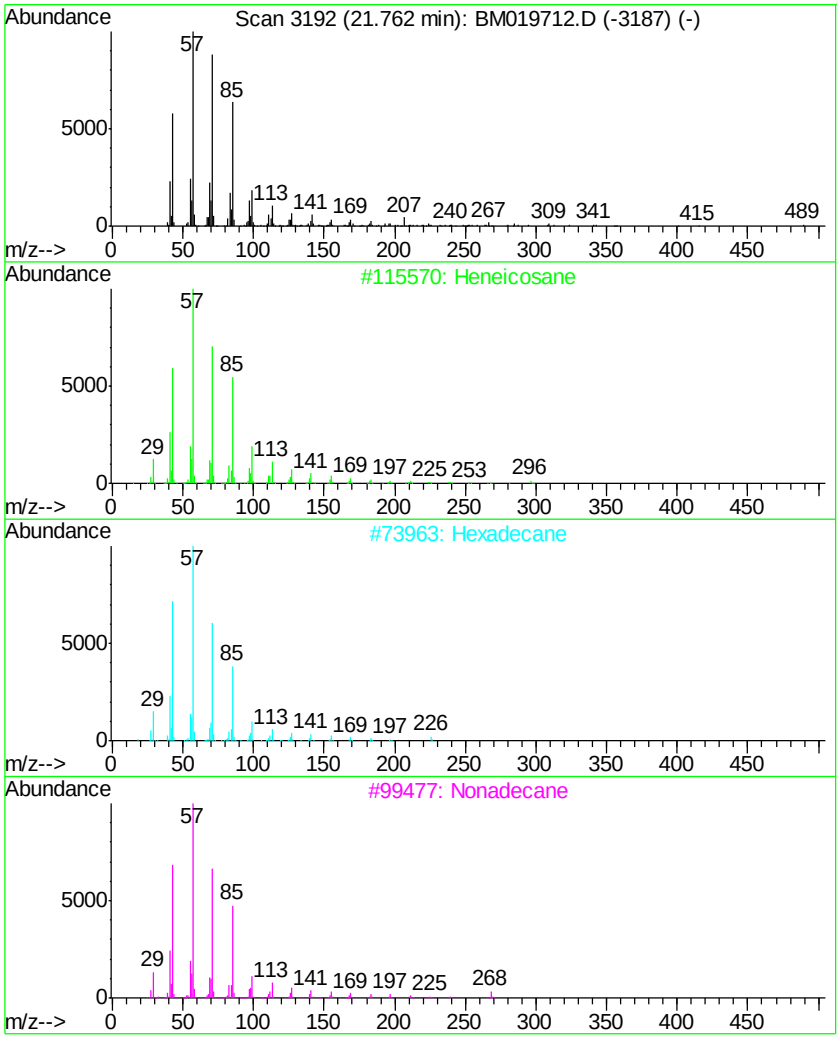
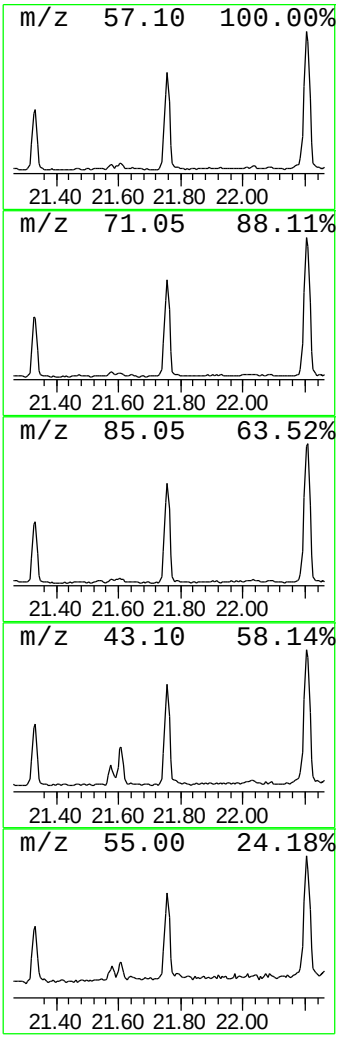
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.83 ng/ul	457665	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
5	Octadecane	254	C18H38	000593-45-3	87





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

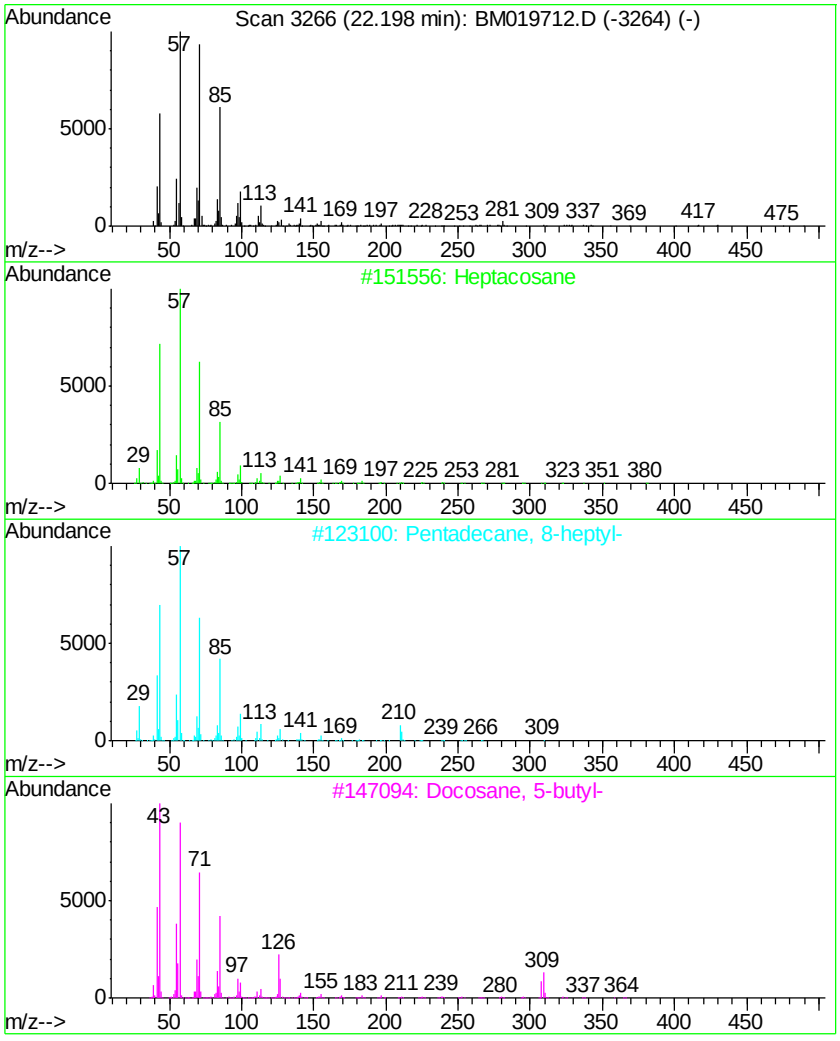
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

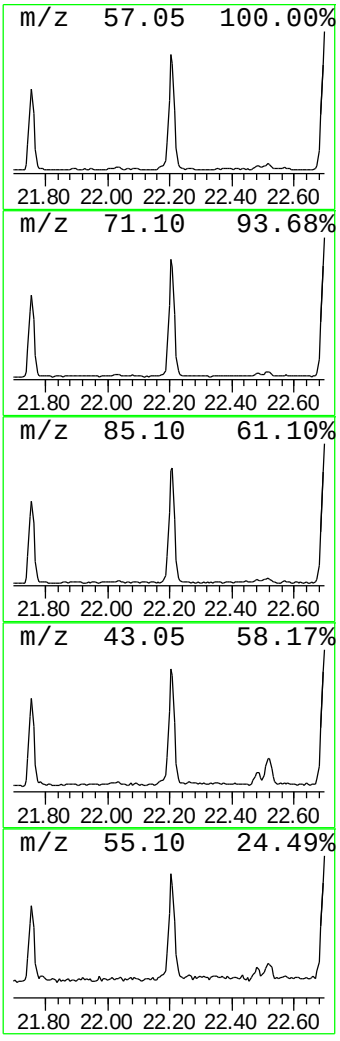
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	4.07 ng/ul	659392	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
3	Docosane, 5-butyl-	366	C26H54	055282-16-1	90
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	68





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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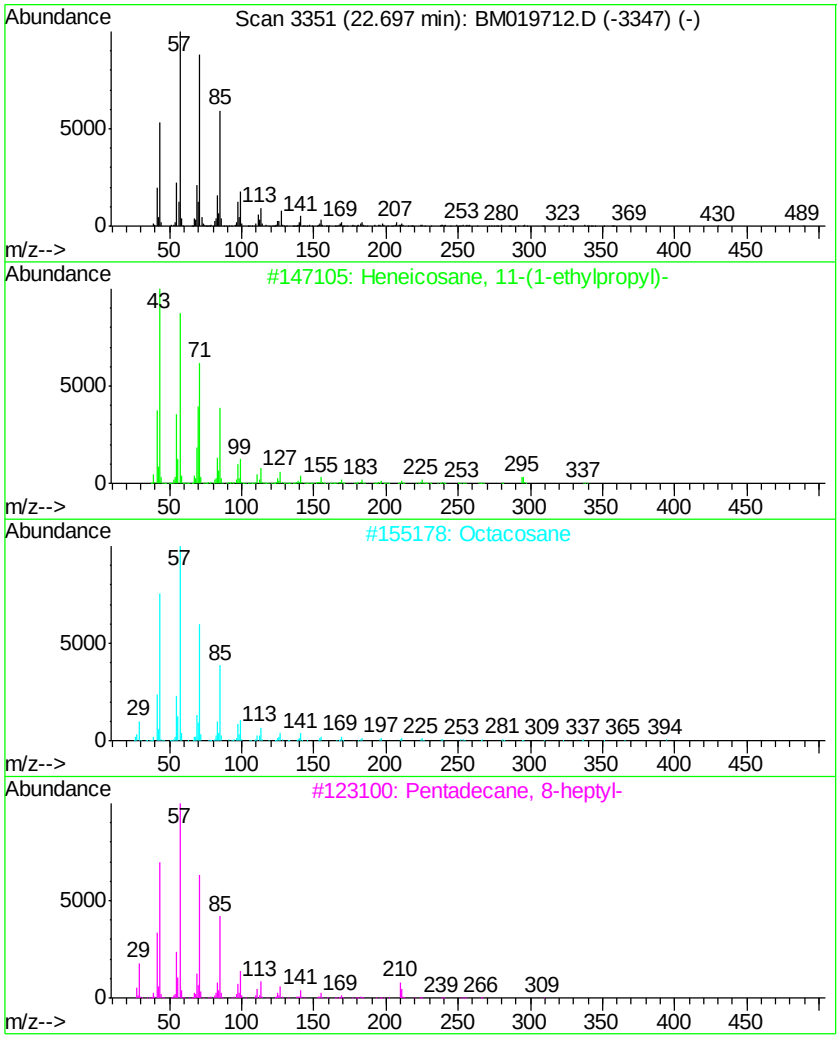
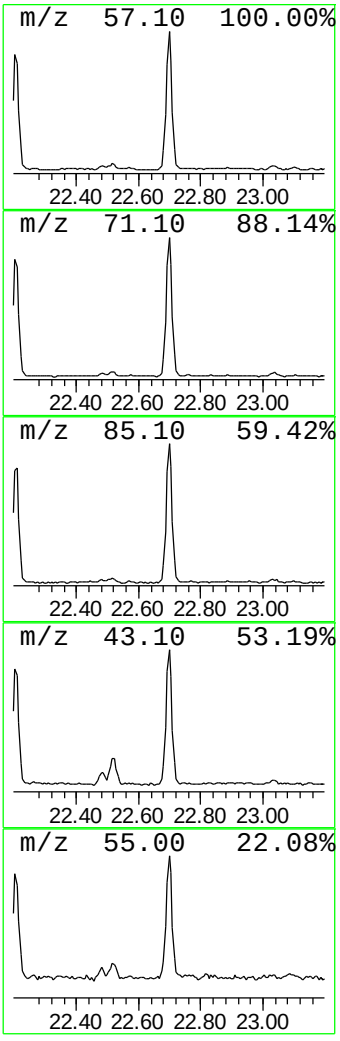
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	5.64 ng/ul	851527	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Octadecane	254	C18H38	000593-45-3	90





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Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

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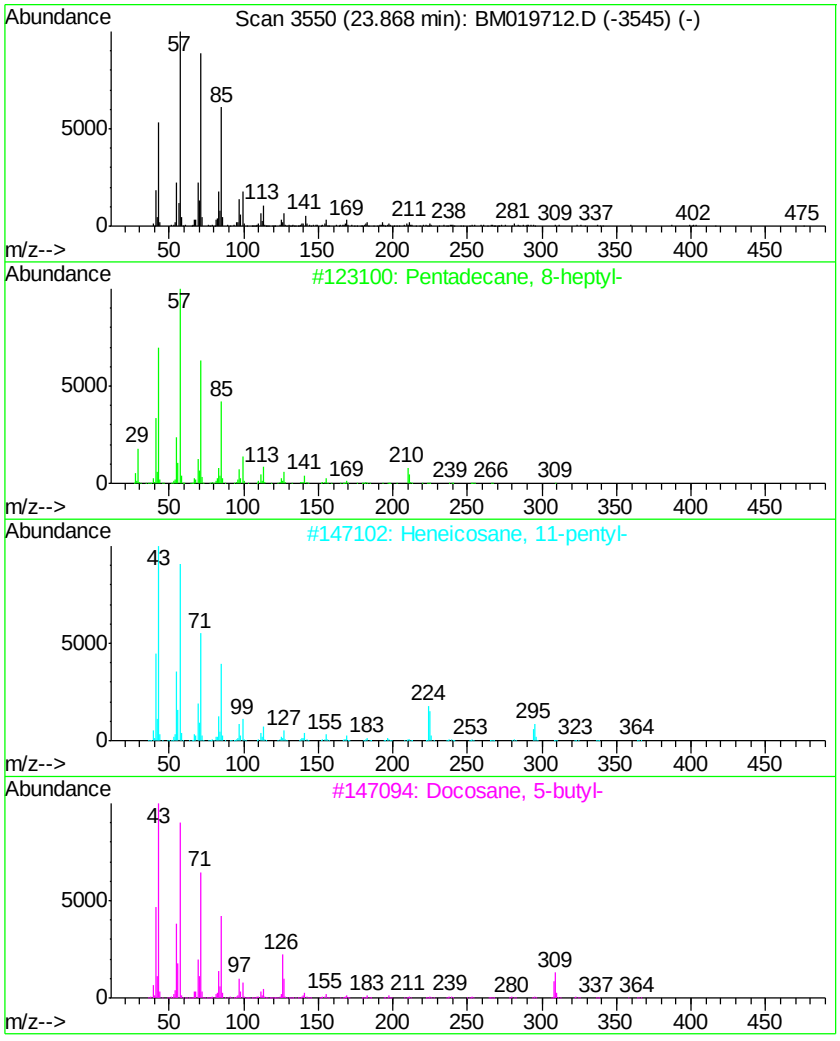
Quant Title : SVOA CALIBRATION

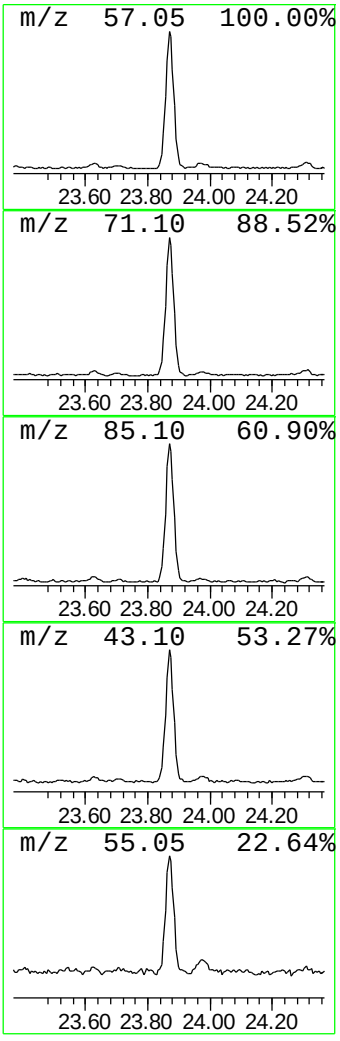
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.87	6.15 ng/ul	927834	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
2	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	90
3	Docosane, 5-butyl-	366	C26H54	055282-16-1	90
4	Nonacosane	408	C29H60	000630-03-5	90
5	Docosane	310	C22H46	000629-97-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019712.D
Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

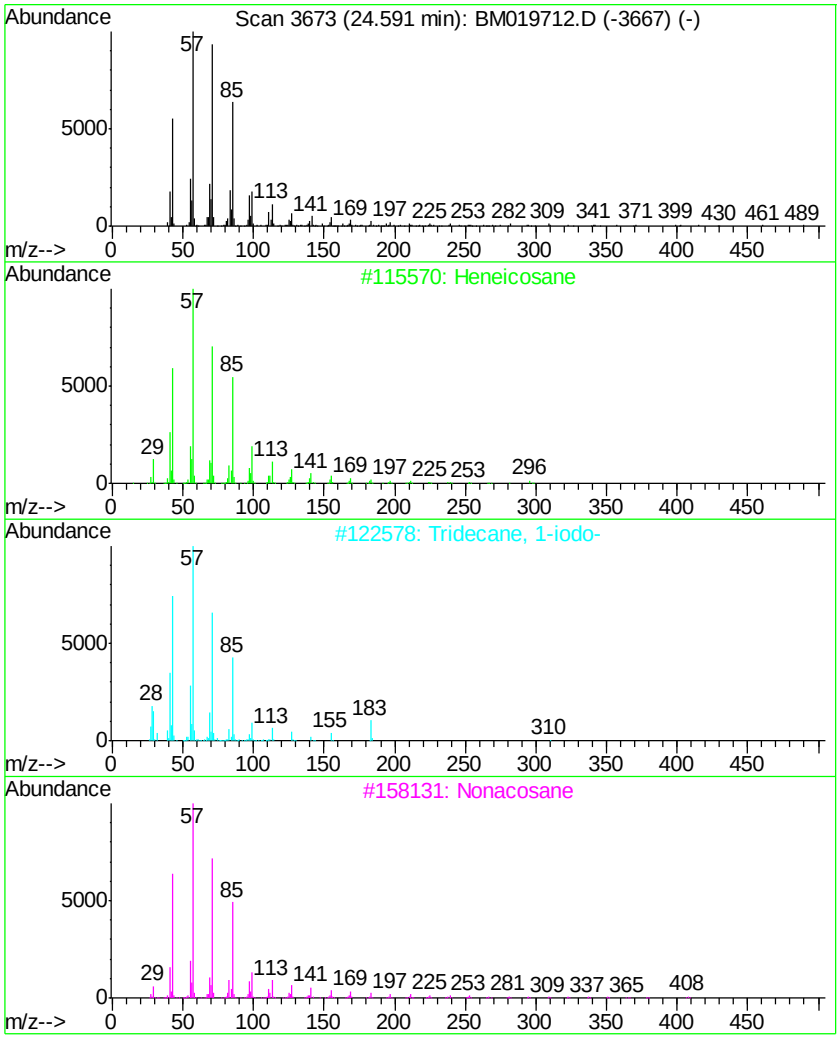
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

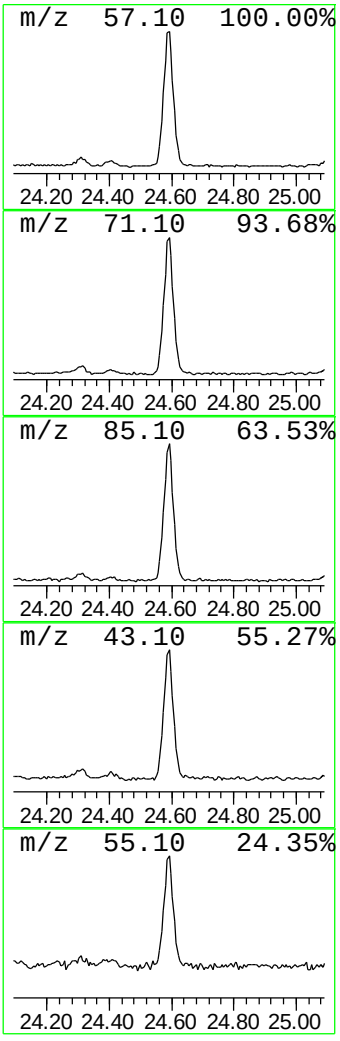
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.59	5.06 ng/ul	764286	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Nonacosane	408	C29H60	000630-03-5	90
4	Octadecane	254	C18H38	000593-45-3	83
5	Eicosane	282	C20H42	000112-95-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019712.D
Acq On : 03 Apr 2019 03:49
Operator : JU/SJ
Sample : K2168-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF657

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic acid	17.88	3.0	ng/ul	389620	4	16.99	2611540	20.0
Hexadecanoic acid...	19.77	2.9	ng/ul	473588	5	21.20	3239570	20.0
(DEL) Alkane: Cyc...	20.90	2.3	ng/ul	379590	5	21.20	3239570	20.0
(DEL) Alkane: Str...	21.76	2.8	ng/ul	457665	5	21.20	3239570	20.0
(DEL) Alkane: Str...	22.20	4.1	ng/ul	659392	5	21.20	3239570	20.0
(DEL) Alkane: Str...	22.70	5.6	ng/ul	851527	6	23.40	3018570	20.0
(DEL) Alkane: Str...	23.87	6.2	ng/ul	927834	6	23.40	3018570	20.0
(DEL) Alkane: Str...	24.59	5.1	ng/ul	764286	6	23.40	3018570	20.0