

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005179.D
 Acq On : 22 Apr 2019 18:06
 Operator : JU/SJ
 Sample : K2402-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHJ2

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.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	3.217	35	39	49	rVB	187046	228702	2.39%	0.184%
2	3.481	81	84	87	rBV4	7767	11611	0.12%	0.009%
3	3.917	154	158	163	rVB4	20824	30867	0.32%	0.025%
4	5.728	464	466	473	rVB3	9953	14393	0.15%	0.012%
5	6.281	556	560	566	rBV5	8974	14307	0.15%	0.011%
6	6.775	637	644	655	rBV	1754603	2693111	28.18%	2.165%
7	6.946	666	673	685	rVB	1342611	2032934	21.27%	1.634%
8	7.134	698	705	717	rBV	1660597	2614662	27.36%	2.102%
9	7.599	777	784	791	rBV	1698867	2622470	27.44%	2.108%
10	7.669	791	796	802	rVB	49263	72811	0.76%	0.059%
11	7.834	820	824	830	rVB6	5015	9962	0.10%	0.008%
12	8.293	895	902	913	rBV	2158225	3399154	35.56%	2.732%
13	8.381	915	917	926	rVB7	5716	11321	0.12%	0.009%
14	8.740	970	978	985	rBV	1676439	2664413	27.88%	2.142%
15	8.846	994	996	1002	rVB7	7074	12216	0.13%	0.010%
16	8.916	1002	1008	1013	rBV4	15048	20915	0.22%	0.017%
17	9.199	1050	1056	1061	rVB2	46898	65050	0.68%	0.052%
18	9.452	1091	1099	1107	rBV	1375955	2160485	22.60%	1.737%
19	9.981	1182	1189	1206	rBV	2209137	3598443	37.65%	2.892%
20	10.363	1246	1254	1263	rVB	2352509	3946427	41.29%	3.172%
21	10.499	1269	1277	1285	rBV	1953836	3237907	33.88%	2.603%
22	11.004	1357	1363	1369	rVB8	6548	12892	0.13%	0.010%
23	11.793	1494	1497	1504	rVB7	8674	14627	0.15%	0.012%
24	11.951	1518	1524	1529	rBV2	38863	63661	0.67%	0.051%
25	13.081	1712	1716	1721	rVB3	16694	22545	0.24%	0.018%
26	13.145	1721	1727	1731	rVV5	12768	20074	0.21%	0.016%
27	13.193	1733	1735	1745	rVB4	7927	16280	0.17%	0.013%
28	13.463	1777	1781	1788	rBV3	39466	59753	0.63%	0.048%
29	13.651	1806	1813	1817	rBV	3964317	5442251	56.94%	4.374%
30	13.698	1817	1821	1828	rVB	1434467	1945912	20.36%	1.564%
31	13.922	1851	1859	1869	rBV	4521519	6654709	69.62%	5.349%
32	14.163	1895	1900	1905	rVB4	15651	20222	0.21%	0.016%
33	14.234	1905	1912	1920	rBV2	3469225	5238266	54.80%	4.211%
34	14.428	1936	1945	1956	rBV	1813456	2637132	27.59%	2.120%

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35	14.669	1981	1986	1992	rVB9	17501	32524	0.34%	0.026%
36	14.781	2003	2005	2011	rVB7	6828	12113	0.13%	0.010%
37	14.851	2011	2017	2020	rBV5	7327	12223	0.13%	0.010%
38	15.069	2050	2054	2059	rVV7	8957	12978	0.14%	0.010%
39	15.122	2059	2063	2067	rVB2	21398	24624	0.26%	0.020%
40	15.234	2075	2082	2088	rVB	5520943	8003730	83.74%	6.433%
41	15.345	2095	2101	2110	rBV	1519019	2107879	22.05%	1.694%
42	15.469	2117	2122	2127	rVV	71306	103155	1.08%	0.083%
43	15.628	2145	2149	2152	rVB5	7609	10826	0.11%	0.009%
44	15.687	2155	2159	2163	rVB5	12399	18533	0.19%	0.015%
45	15.881	2189	2192	2196	rBV6	7922	14926	0.16%	0.012%
46	15.986	2207	2210	2212	rBV3	14008	15288	0.16%	0.012%
47	16.022	2212	2216	2222	rVB6	23716	41117	0.43%	0.033%
48	16.151	2234	2238	2242	rBV6	10820	14844	0.16%	0.012%
49	16.345	2265	2271	2273	rBV7	9404	16500	0.17%	0.013%
50	16.416	2276	2283	2291	rBV6	44310	86726	0.91%	0.070%
51	16.663	2323	2325	2329	rVB4	11874	11279	0.12%	0.009%
52	16.781	2335	2345	2348	rBV2	24675	64094	0.67%	0.052%
53	16.939	2370	2372	2374	rBV3	10342	11480	0.12%	0.009%
54	16.986	2374	2380	2389	rVB	4412124	6098489	63.80%	4.902%
55	17.086	2390	2397	2406	rVV	5997769	8583594	89.80%	6.899%
56	17.186	2411	2414	2417	rBV4	26957	30161	0.32%	0.024%
57	17.410	2448	2452	2456	rBV6	22810	36125	0.38%	0.029%
58	17.545	2470	2475	2478	rBV7	12267	20762	0.22%	0.017%
59	17.786	2511	2516	2525	rBV8	65025	162093	1.70%	0.130%
60	17.922	2533	2539	2555	rBV	1652605	2758172	28.86%	2.217%
61	18.592	2651	2653	2657	rVB4	24971	26749	0.28%	0.022%
62	18.698	2667	2671	2673	rBV3	36982	48905	0.51%	0.039%
63	18.869	2697	2700	2704	rBV2	59722	77044	0.81%	0.062%
64	19.028	2723	2727	2730	rBV	78939	109440	1.14%	0.088%
65	19.063	2730	2733	2735	rVV4	65507	85650	0.90%	0.069%
66	19.092	2735	2738	2748	rVB4	190725	376593	3.94%	0.303%
67	19.216	2755	2759	2767	rBV	675833	1114129	11.66%	0.896%
68	19.398	2784	2790	2796	rVB	6900291	9558221	100.00%	7.683%
69	19.457	2797	2800	2803	rBV	98241	120626	1.26%	0.097%
70	19.998	2889	2892	2896	rBV	121862	142949	1.50%	0.115%
71	20.504	2975	2978	2981	rVB	175650	185303	1.94%	0.149%

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72	20.969	3053	3057	3079	rVB	1718547	2751164	28.78%	2.211%
73	21.174	3089	3092	3095	rVV	322237	330946	3.46%	0.266%
74	21.222	3095	3100	3106	rVB	4709112	6200767	64.87%	4.984%
75	21.433	3132	3136	3149	rVB	361103	510442	5.34%	0.410%
76	21.874	3207	3211	3222	rBV	464086	687172	7.19%	0.552%
77	22.333	3285	3289	3294	rVB	537626	674080	7.05%	0.542%
78	22.457	3306	3310	3318	rVB	1275671	1606025	16.80%	1.291%
79	22.839	3370	3375	3380	rBV	635214	872617	9.13%	0.701%
80	23.298	3446	3453	3462	rVB2	5101830	9180024	96.04%	7.379%
81	23.439	3466	3477	3488	rVB	3384273	7400521	77.43%	5.949%
82	24.045	3574	3580	3586	rVB	487133	882602	9.23%	0.709%
83	24.115	3587	3592	3600	rBV2	220266	506281	5.30%	0.407%
84	24.774	3699	3704	3712	rVB2	301238	619799	6.48%	0.498%
85	25.639	3846	3851	3859	rVB	185644	426175	4.46%	0.343%

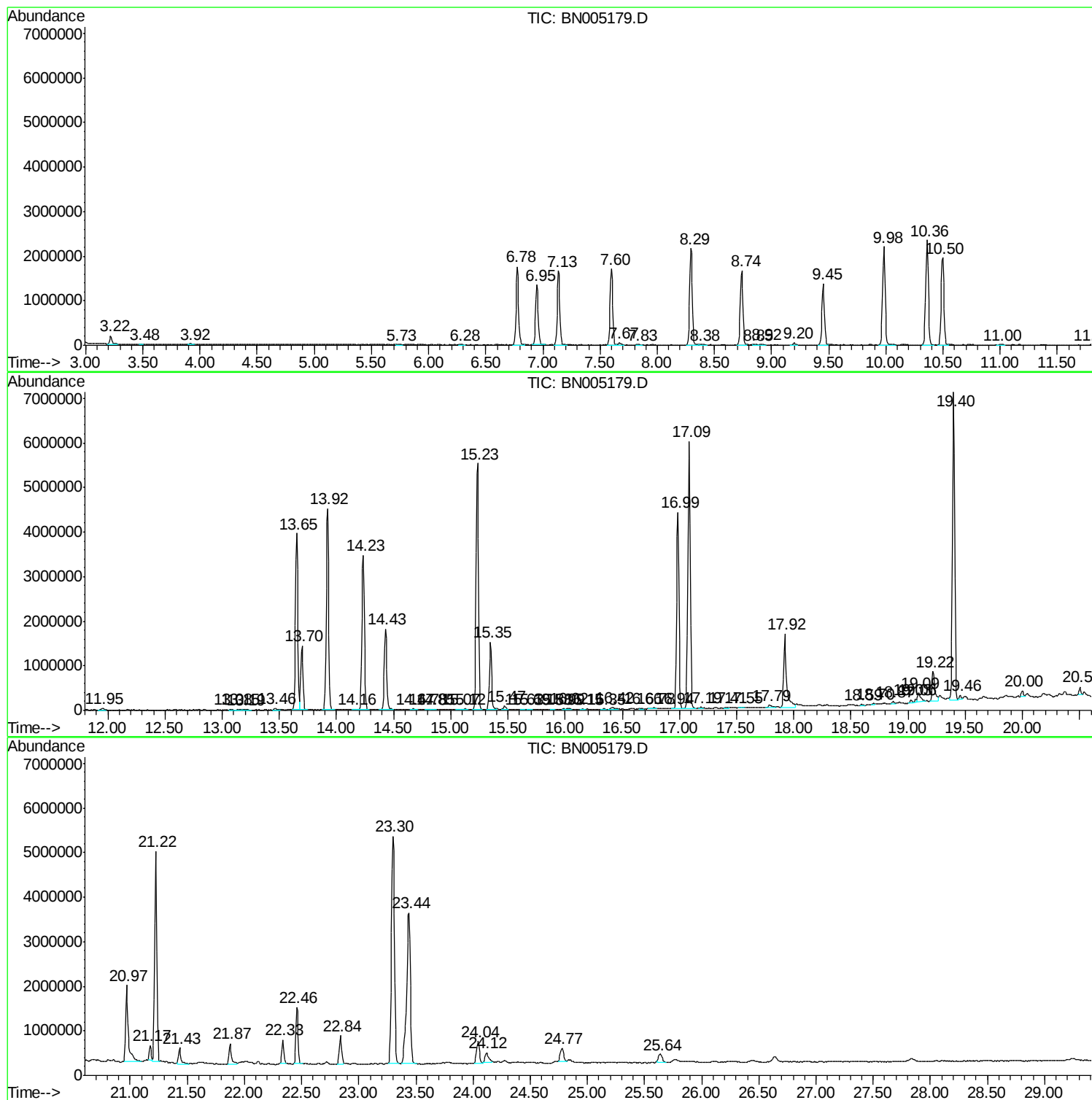
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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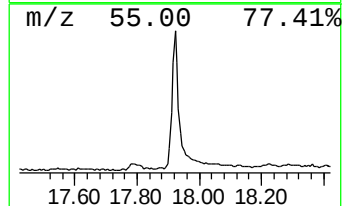
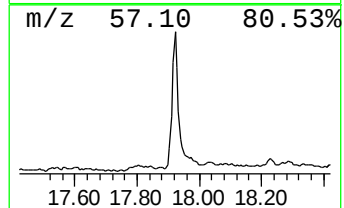
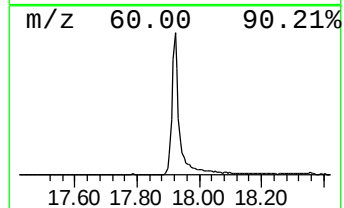
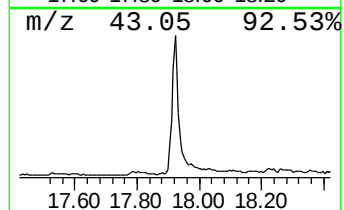
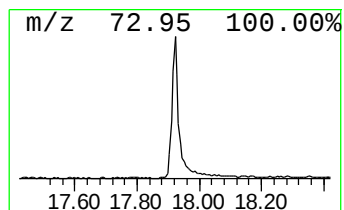
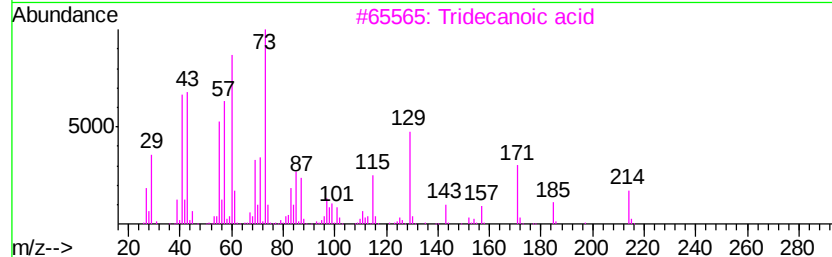
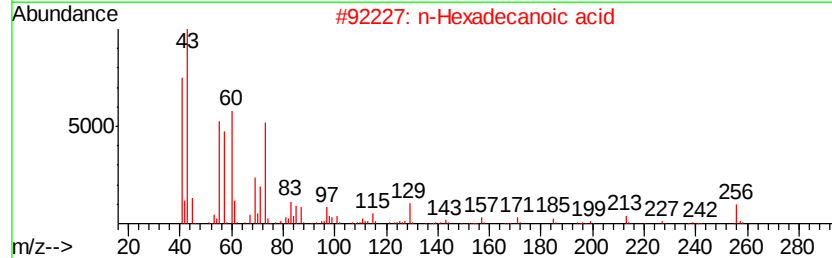
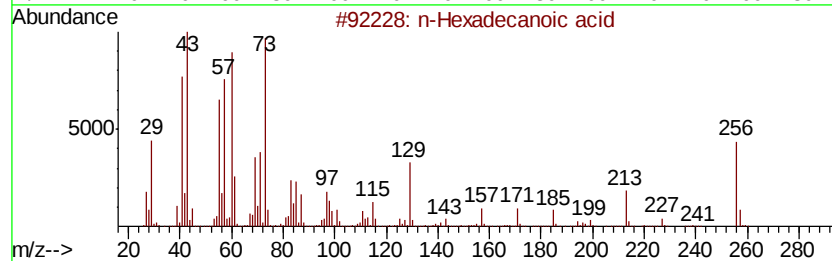
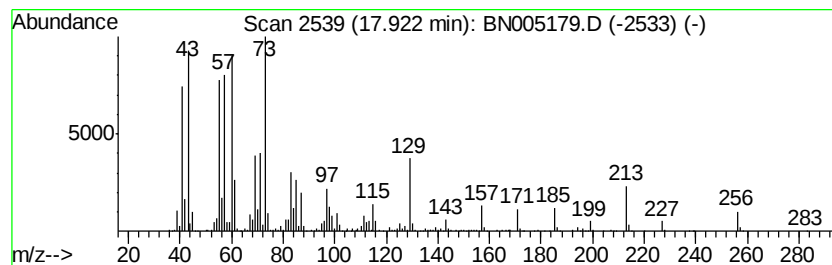
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.92	9.05 ng/ul	2758170	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	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76



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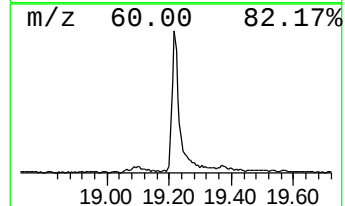
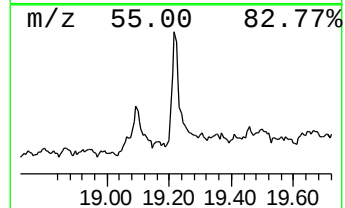
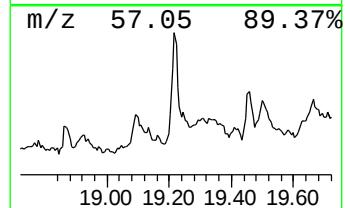
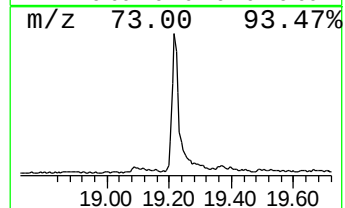
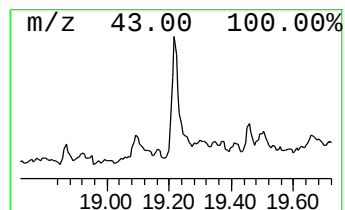
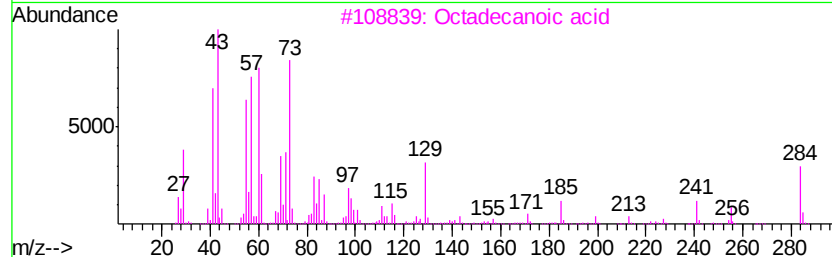
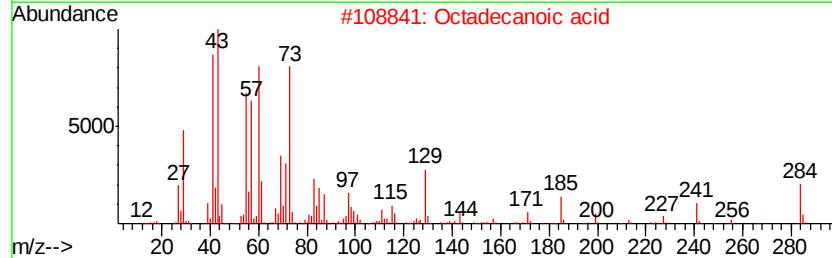
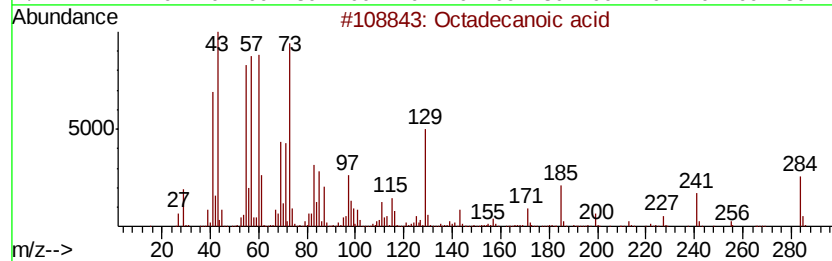
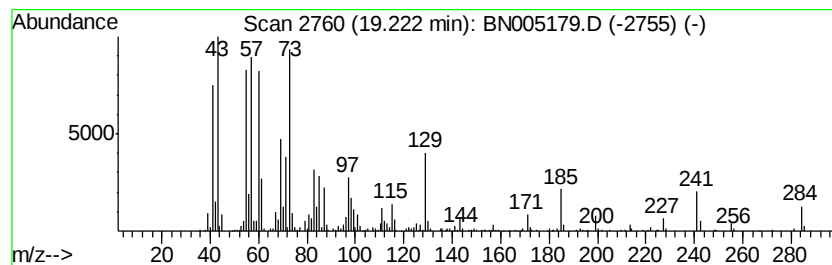
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.59 ng/ul	1114130	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid	284	C18H36O2	000057-11-4	98
3		Octadecanoic acid	284	C18H36O2	000057-11-4	96
4		Octadecanoic acid	284	C18H36O2	000057-11-4	94
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	91



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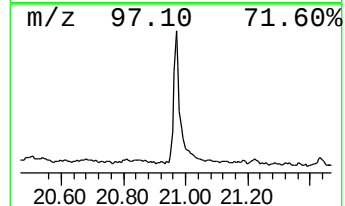
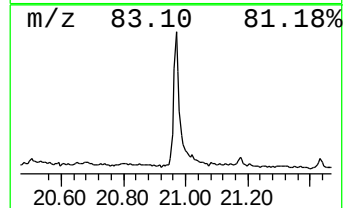
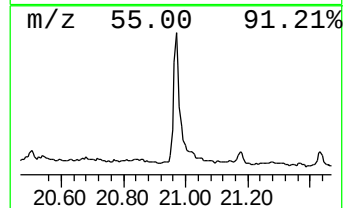
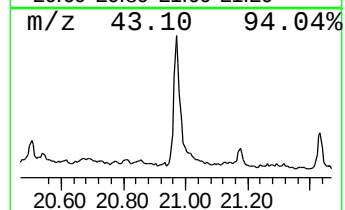
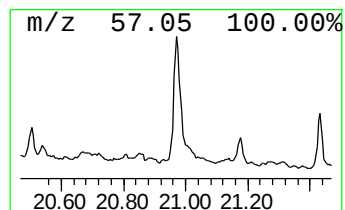
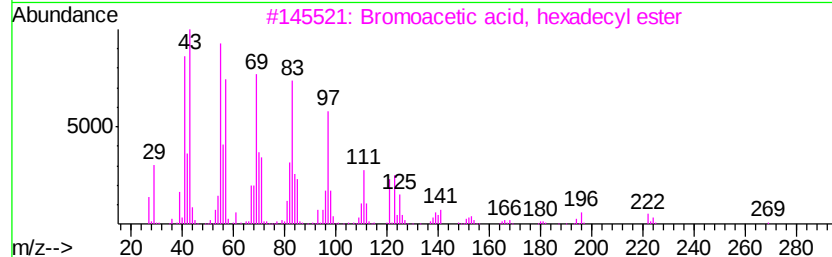
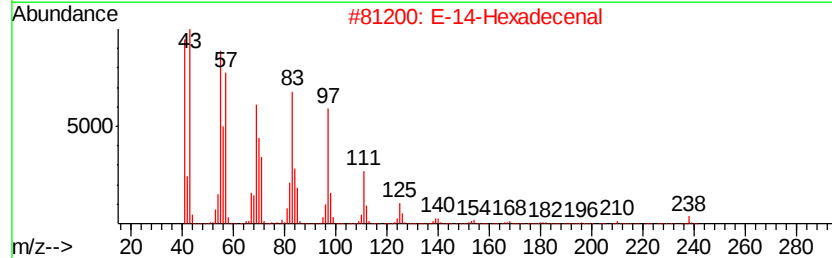
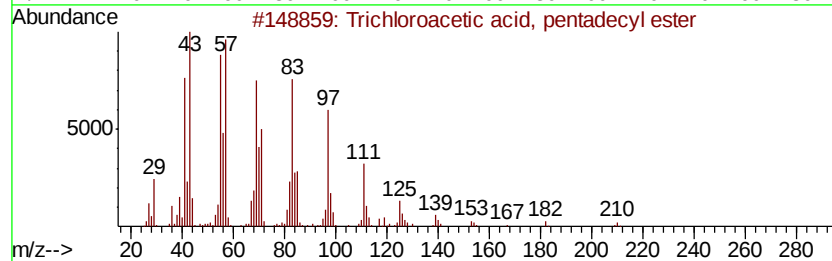
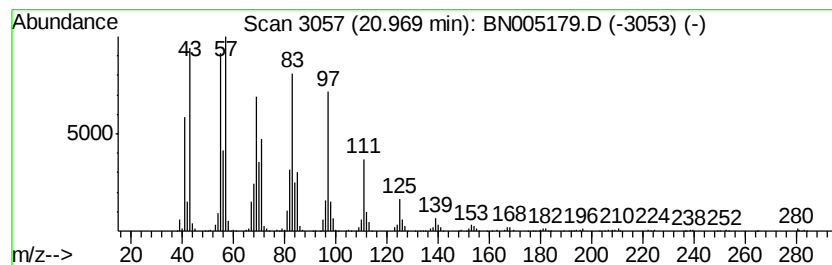
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Trichloroacetic acid, penta... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	8.87 ng/ul	2751160	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
2		E-14-Hexadecenal	238	C16H30O	330207-53-9	93
3		Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	93
4		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
5		Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	91



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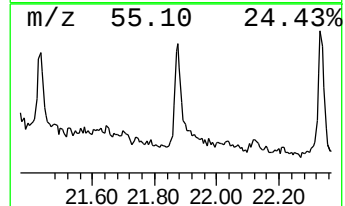
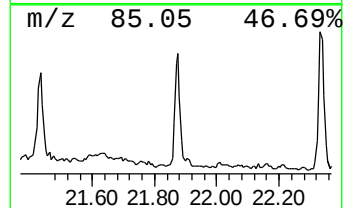
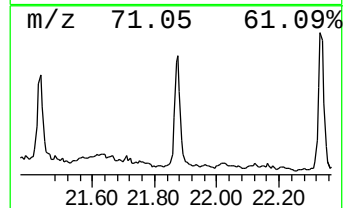
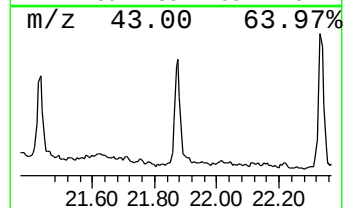
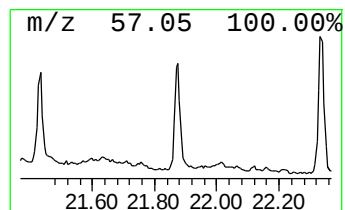
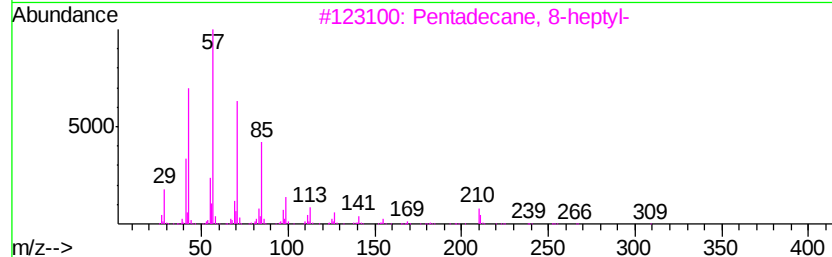
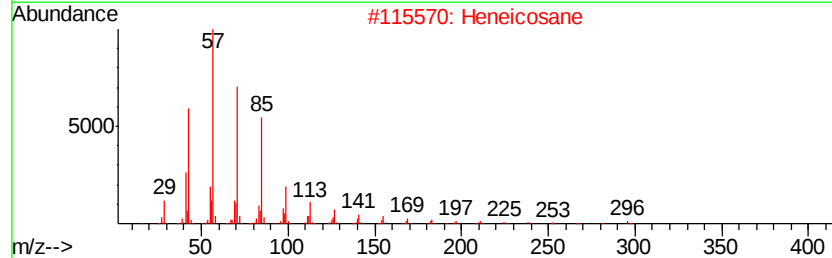
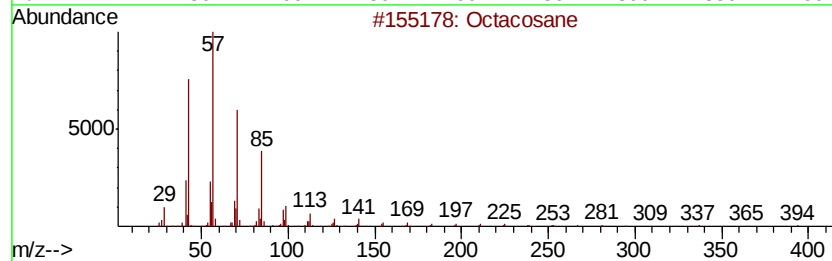
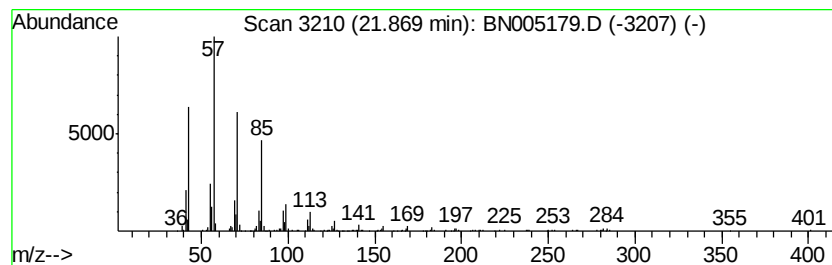
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.22 ng/ul	687172	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Pentadecane, 8-heptvl-	310	C22H46	071005-15-7	91
4		Hexadecane	226	C16H34	000544-76-3	90
5		Tetratetracontane	619	C44H90	007098-22-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005179.D
Acq On : 22 Apr 2019 18:06
Operator : JU/SJ
Sample : K2402-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

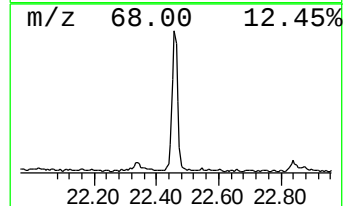
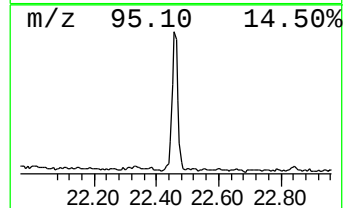
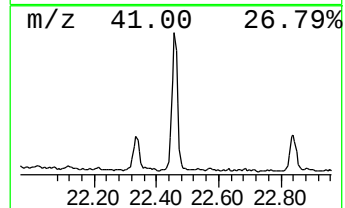
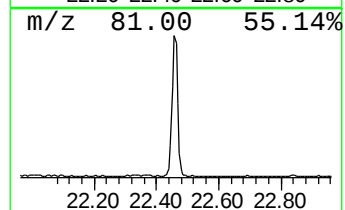
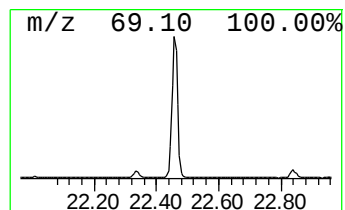
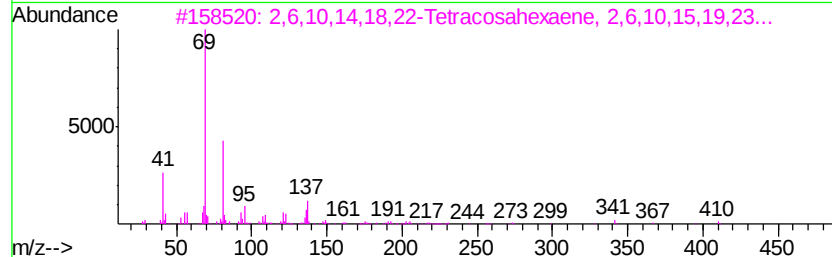
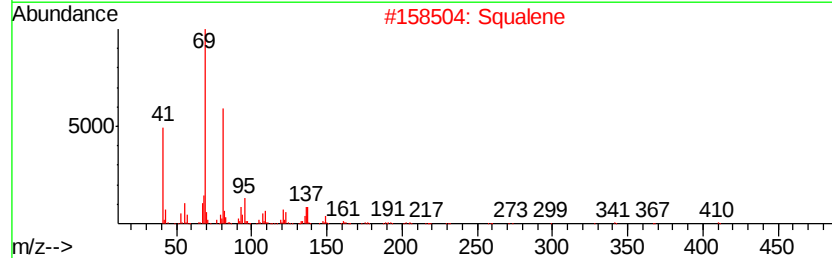
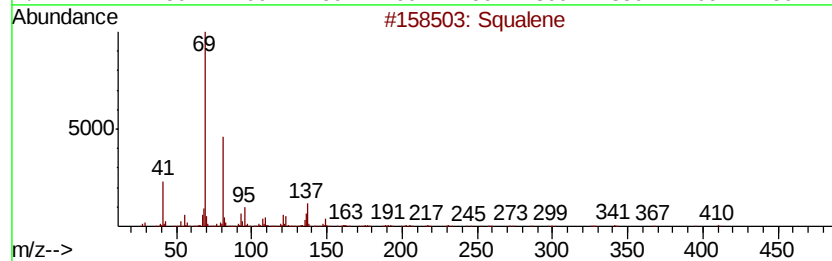
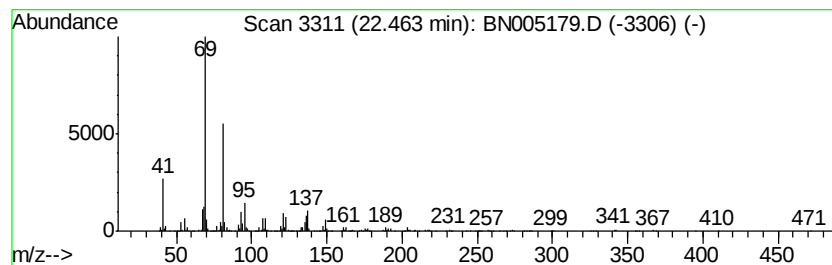
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.46	4.34 ng/ul	1606030	Perylene-d12	23.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Squalene		410 C30H50	007683-64-9 91
2	Squalene		410 C30H50	007683-64-9 91
3	2,6,10,14,18,22-Tetracosahexaene...		410 C30H50	000111-02-4 91
4	4,8,12-Tetradecatrienal, 5,9,13-...		248 C17H28O	066408-55-7 72
5	4-Methyl-1,5-Heptadiene		110 C8H14	000998-94-7 52



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005179.D
Acq On : 22 Apr 2019 18:06
Operator : JU/SJ
Sample : K2402-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHJ2

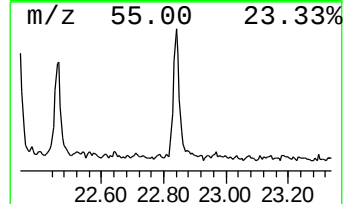
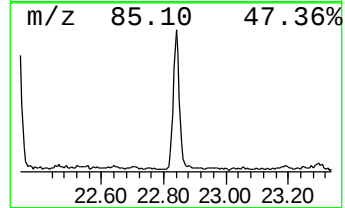
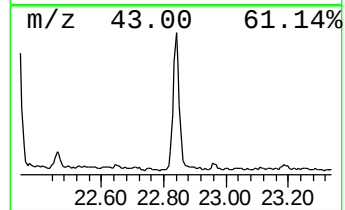
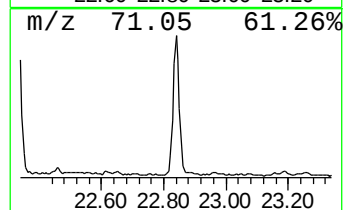
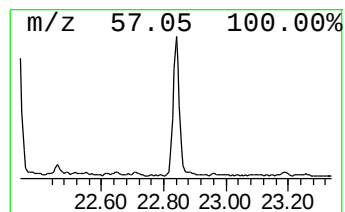
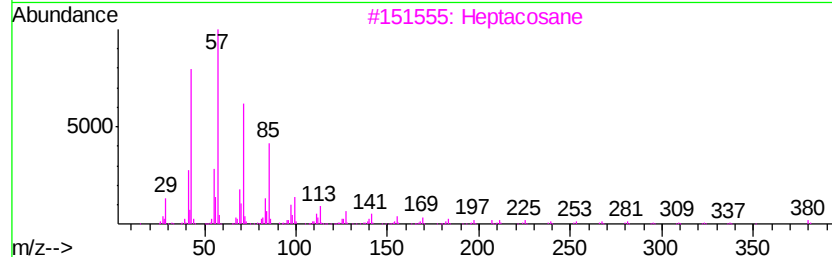
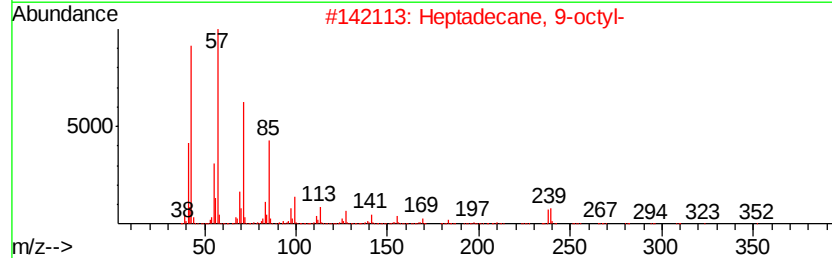
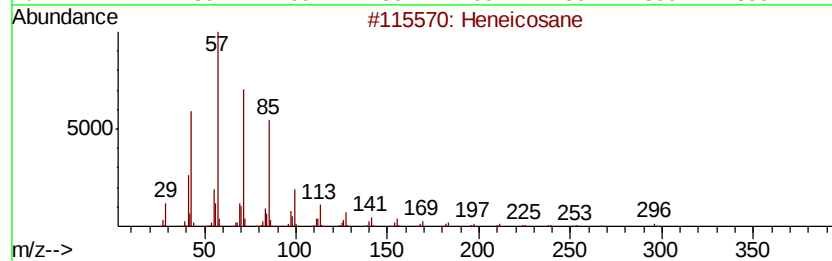
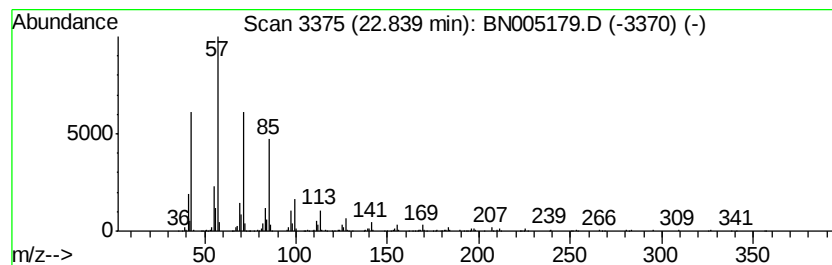
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	2.36 ng/ul	872617	Perylene-d12	23.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3		Heptacosane	380	C27H56	000593-49-7	91
4		Eicosane	282	C20H42	000112-95-8	91
5		Docosane, 11-butyl-	366	C26H54	013475-76-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005179.D
Acq On : 22 Apr 2019 18:06
Operator : JU/SJ
Sample : K2402-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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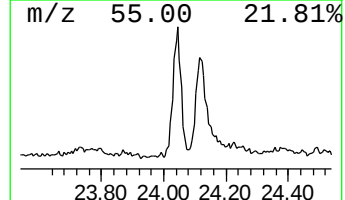
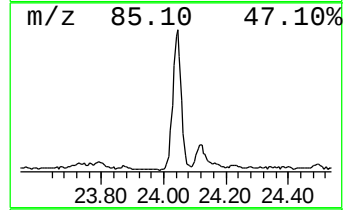
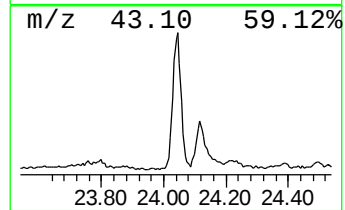
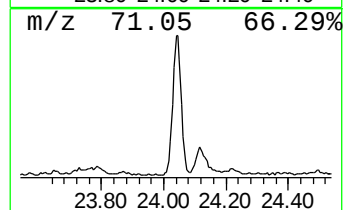
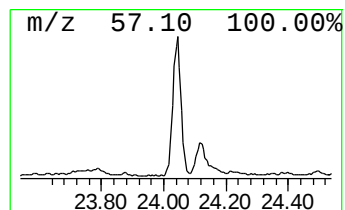
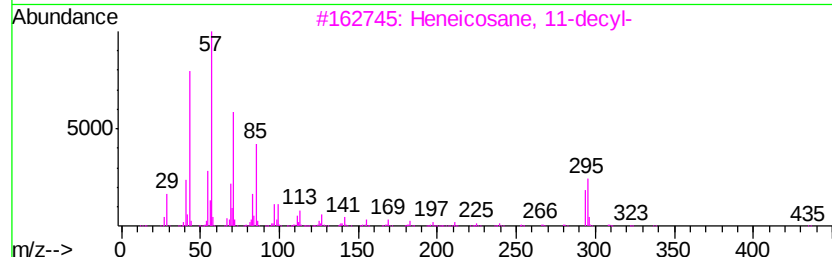
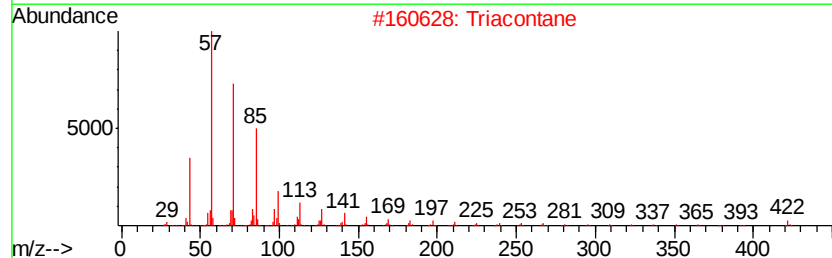
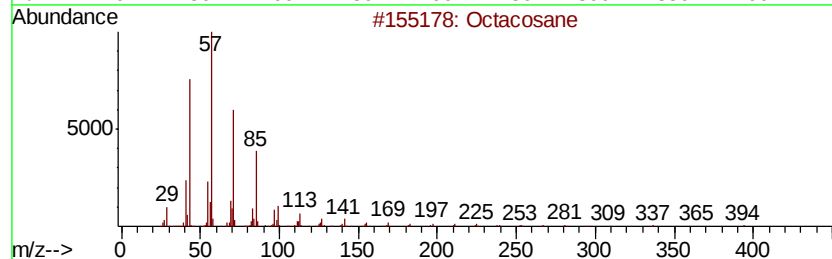
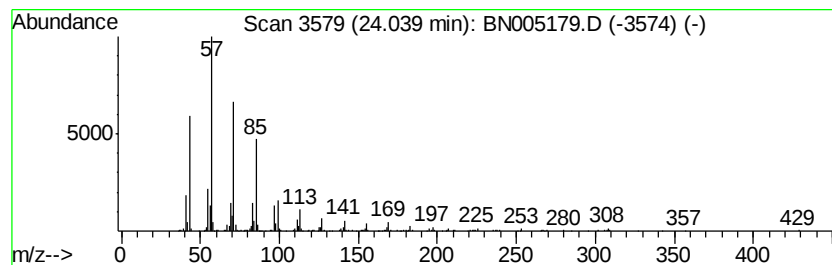
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	2.39 ng/ul	882602	Perylene-d12	23.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		triacontane	422	C30H62	000638-68-6	91
3		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	91
4		Hexacosane	366	C26H54	000630-01-3	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005179.D
Acq On : 22 Apr 2019 18:06
Operator : JU/SJ
Sample : K2402-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHJ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic acid	17.92	9.1	ng/ul	2758170	4	16.99	6098490	20.0
Octadecanoic acid	19.22	3.6	ng/ul	1114130	5	21.22	6200770	20.0
Trichloroacetic a...	20.97	8.9	ng/ul	2751160	5	21.22	6200770	20.0
(DEL) Alkane: Str...	21.87	2.2	ng/ul	687172	5	21.22	6200770	20.0
Squalene	22.46	4.3	ng/ul	1606030	6	23.44	7400520	20.0
(DEL) Alkane: Str...	22.84	2.4	ng/ul	872617	6	23.44	7400520	20.0
(DEL) Alkane: Str...	24.04	2.4	ng/ul	882602	6	23.44	7400520	20.0