

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
 Data File : BG023579.D
 Acq On : 10 Aug 2016 5:41
 Operator : UM/SJ
 Sample : H4362-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS005-3642-01

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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	3.483	107	110	117	rVB4	24281	39791	0.42%	0.053%
2	3.783	157	161	164	rVV4	12599	20754	0.22%	0.028%
3	4.135	216	221	227	rBV8	8293	19834	0.21%	0.026%
4	4.241	237	239	242	rBV4	10688	12086	0.13%	0.016%
5	6.168	559	567	569	rVV7	7194	16669	0.18%	0.022%
6	6.291	581	588	589	rVV6	6697	14061	0.15%	0.019%
7	6.303	589	590	595	rVV4	8813	10115	0.11%	0.013%
8	7.108	722	727	728	rBV5	8006	10483	0.11%	0.014%
9	7.266	747	754	766	rVV	712050	1295122	13.83%	1.720%
10	7.425	774	781	790	rBV	574772	949339	10.13%	1.261%
11	7.636	811	817	828	rBV	671263	1177709	12.57%	1.564%
12	8.112	890	898	906	rBV	677080	1149526	12.27%	1.526%
13	8.823	1011	1019	1031	rBV	936486	1631738	17.42%	2.167%
14	8.935	1034	1038	1046	rVB7	7670	16193	0.17%	0.022%
15	9.287	1090	1098	1110	rBV	735002	1291055	13.78%	1.714%
16	9.404	1112	1118	1119	rBV5	22324	25892	0.28%	0.034%
17	10.015	1215	1222	1234	rVV	617070	1114922	11.90%	1.480%
18	10.568	1306	1316	1329	rVV	870800	1734357	18.51%	2.303%
19	10.949	1372	1381	1389	rBV	987057	1854857	19.80%	2.463%
20	11.085	1394	1404	1416	rBV	902742	1657436	17.69%	2.201%
21	11.801	1519	1526	1528	rVB6	5835	10154	0.11%	0.013%
22	12.171	1585	1589	1593	rBV6	7486	11265	0.12%	0.015%
23	12.430	1628	1633	1636	rBV6	8400	10590	0.11%	0.014%
24	12.530	1647	1650	1654	rVV5	17094	29765	0.32%	0.040%
25	13.117	1748	1750	1755	rVB5	10644	15199	0.16%	0.020%
26	13.370	1789	1793	1798	rBV5	16193	30020	0.32%	0.040%
27	13.652	1834	1841	1846	rBV7	30285	53270	0.57%	0.071%
28	14.175	1922	1930	1935	rBV	1887222	2895436	30.91%	3.845%
29	14.221	1935	1938	1945	rVV	1437725	2053161	21.92%	2.726%
30	14.286	1948	1949	1956	rVB7	8247	10710	0.11%	0.014%
31	14.357	1956	1961	1965	rVB8	7181	13013	0.14%	0.017%
32	14.409	1967	1970	1974	rBV5	8015	10504	0.11%	0.014%
33	14.474	1974	1981	1991	rBV	2041164	3216131	34.33%	4.270%
34	14.650	2005	2011	2016	rVB6	36539	50343	0.54%	0.067%

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Integrator: RTE
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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35	14.785	2026	2034	2042	rVB2	1701069	2841275	30.33%	3.773%
36	14.997	2064	2070	2085	rBV	715412	1509779	16.12%	2.005%
37	15.179	2100	2101	2110	rVB8	14454	29600	0.32%	0.039%
38	15.273	2114	2117	2119	rVV4	14807	18168	0.19%	0.024%
39	15.338	2126	2128	2132	rVV4	12235	12455	0.13%	0.017%
40	15.520	2152	2159	2163	rBV	145814	218290	2.33%	0.290%
41	15.561	2163	2166	2169	rVV	32375	41331	0.44%	0.055%
42	15.602	2169	2173	2180	rVB	86444	112423	1.20%	0.149%
43	15.667	2180	2184	2189	rBV7	7082	16787	0.18%	0.022%
44	15.725	2192	2194	2197	rBV5	13234	14722	0.16%	0.020%
45	15.778	2197	2203	2213	rVB	2762821	4266240	45.54%	5.665%
46	15.902	2217	2224	2236	rBV	1030403	1587404	16.95%	2.108%
47	16.019	2236	2244	2248	rBV6	57174	110655	1.18%	0.147%
48	16.113	2256	2260	2263	rBV5	11732	16253	0.17%	0.022%
49	16.160	2265	2268	2276	rVB10	13199	27478	0.29%	0.036%
50	16.231	2276	2280	2285	rBV7	16952	25586	0.27%	0.034%
51	16.424	2307	2313	2316	rBV6	10100	21418	0.23%	0.028%
52	16.471	2316	2321	2328	rBV	98215	163976	1.75%	0.218%
53	16.665	2348	2354	2357	rVB5	18407	29427	0.31%	0.039%
54	16.742	2364	2367	2372	rVB6	16375	22793	0.24%	0.030%
55	16.812	2376	2379	2382	rBV5	17529	22118	0.24%	0.029%
56	16.918	2392	2397	2398	rBV5	25196	27974	0.30%	0.037%
57	16.982	2404	2408	2413	rVB7	16963	23073	0.25%	0.031%
58	17.270	2451	2457	2460	rBV	65345	86521	0.92%	0.115%
59	17.329	2463	2467	2472	rVB4	32340	53643	0.57%	0.071%
60	17.423	2479	2483	2485	rBV4	13304	19370	0.21%	0.026%
61	17.546	2495	2504	2514	rBV2	2343563	3655466	39.02%	4.854%
62	17.646	2514	2521	2528	rBV	3091636	4771760	50.94%	6.336%
63	17.740	2535	2537	2540	rBV4	11855	13365	0.14%	0.018%
64	17.805	2545	2548	2551	rBV5	14532	17053	0.18%	0.023%
65	18.010	2580	2583	2587	rVV4	25546	31720	0.34%	0.042%
66	18.193	2611	2614	2619	rVB6	9301	14499	0.15%	0.019%
67	18.298	2627	2632	2639	rBV6	50727	90891	0.97%	0.121%
68	18.416	2647	2652	2671	rBV	543196	916032	9.78%	1.216%
69	18.610	2683	2685	2690	rBV6	6669	10910	0.12%	0.014%
70	18.710	2699	2702	2705	rVV4	17483	25361	0.27%	0.034%
71	18.786	2710	2715	2717	rBV6	17143	29782	0.32%	0.040%

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72	18.968	2742	2746	2749	rBV6	10860	17977	0.19%	0.024%
73	19.003	2749	2752	2754	rVB4	13590	15274	0.16%	0.020%
74	19.080	2761	2765	2768	rBV6	18164	29967	0.32%	0.040%
75	19.197	2782	2785	2786	rBV3	10651	11214	0.12%	0.015%
76	19.438	2825	2826	2829	rBV3	8113	9668	0.10%	0.013%
77	19.497	2833	2836	2837	rBV3	16308	12914	0.14%	0.017%
78	19.573	2840	2849	2863	rBV6	174503	470923	5.03%	0.625%
79	19.685	2863	2868	2873	rBV	307816	453091	4.84%	0.602%
80	19.826	2889	2892	2897	rVB3	44274	68319	0.73%	0.091%
81	19.937	2905	2911	2922	rVB	3670050	5479496	58.49%	7.276%
82	20.419	2992	2993	2995	rBV2	17819	13246	0.14%	0.018%
83	20.525	3007	3011	3014	rBV6	14311	24332	0.26%	0.032%
84	20.589	3020	3022	3025	rBV4	12096	14567	0.16%	0.019%
85	21.424	3162	3164	3167	rBV4	18775	14720	0.16%	0.020%
86	21.476	3168	3173	3180	rBV5	122962	293312	3.13%	0.389%
87	21.723	3213	3215	3221	rVB6	46492	61704	0.66%	0.082%
88	21.864	3233	3239	3249	rVB2	2170333	3861617	41.22%	5.127%
89	22.716	3382	3384	3385	rBV2	28940	28161	0.30%	0.037%
90	23.309	3458	3485	3486	rBV3	2195224	9367461	100.00%	12.438%
91	23.603	3529	3535	3543	rVB2	199954	404647	4.32%	0.537%
92	24.055	3610	3612	3613	rBV2	19216	12289	0.13%	0.016%
93	24.237	3640	3643	3652	rVB8	73566	174996	1.87%	0.232%
94	25.025	3766	3777	3789	rBV3	1672366	4810462	51.35%	6.387%
95	25.259	3806	3817	3827	rBV3	1271833	3681885	39.31%	4.889%
96	26.434	4011	4017	4023	rVB6	57929	131882	1.41%	0.175%
97	27.838	4254	4256	4257	rBV2	32362	21441	0.23%	0.028%
98	28.626	4373	4390	4420	rVB2	275777	2445088	26.10%	3.247%
99	29.513	4539	4541	4543	rBV3	18397	22512	0.24%	0.030%
100	30.729	4746	4748	4749	rBV2	20131	12257	0.13%	0.016%

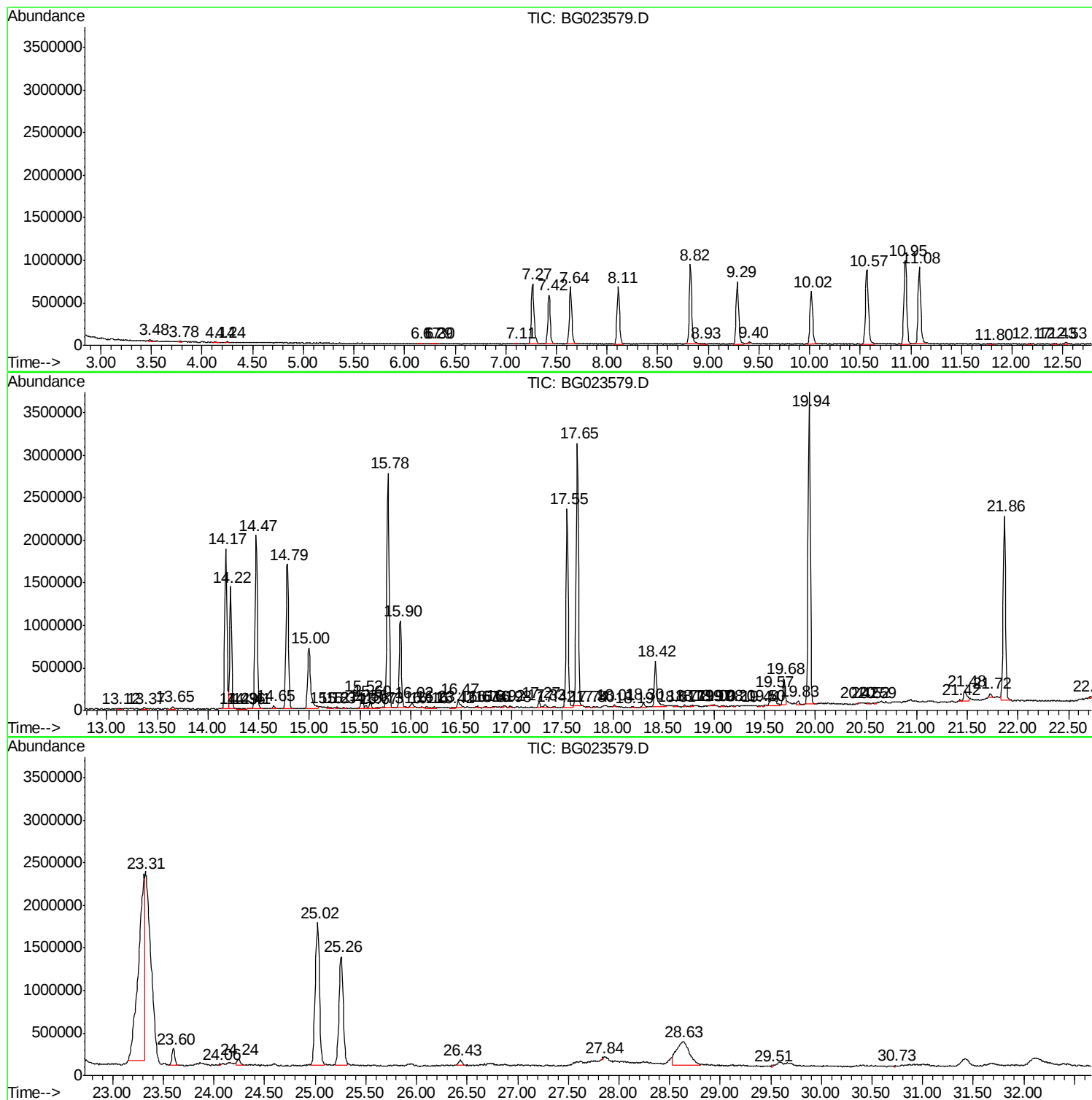
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



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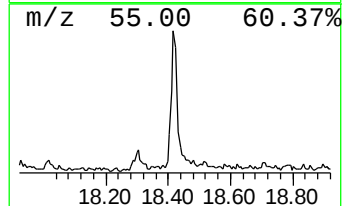
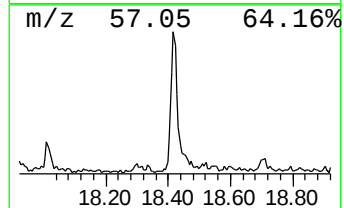
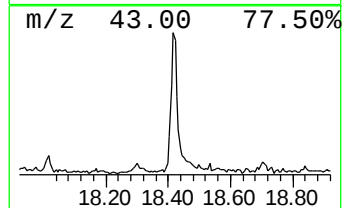
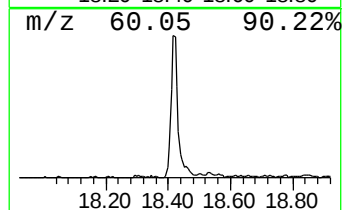
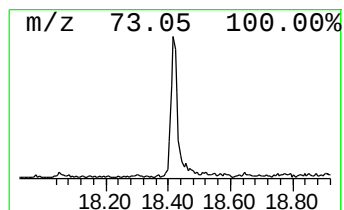
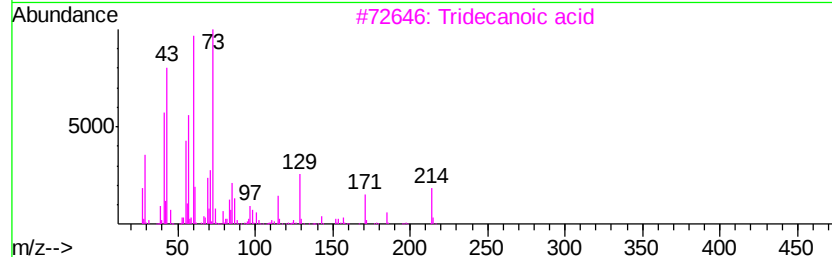
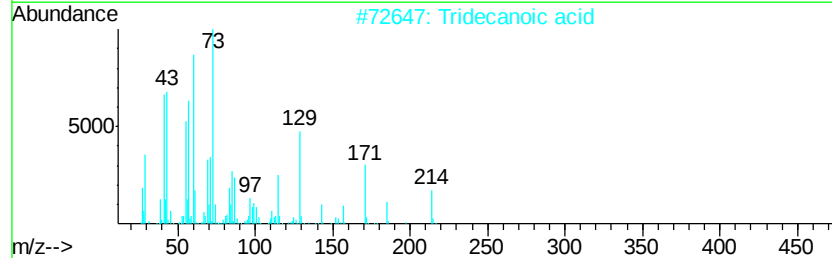
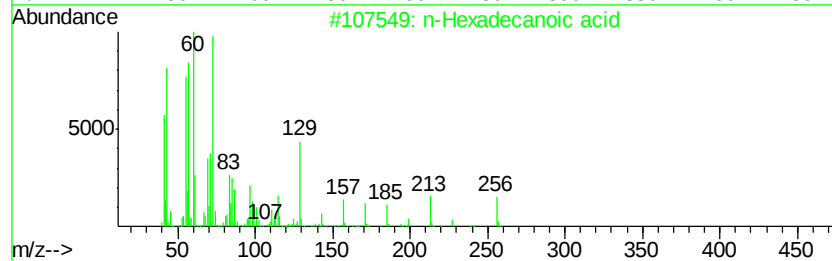
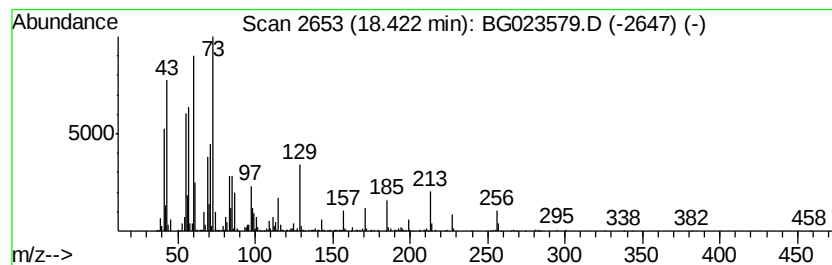
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	5.01 ng/ul	916032	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tridecanoic acid	214	C13H26O2	000638-53-9	96
3		Tridecanoic acid	214	C13H26O2	000638-53-9	93
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	76



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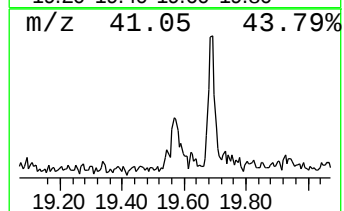
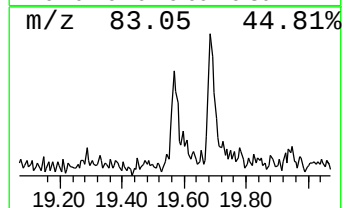
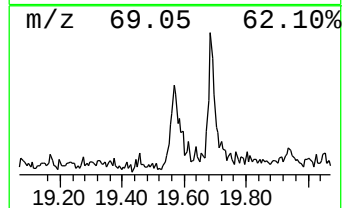
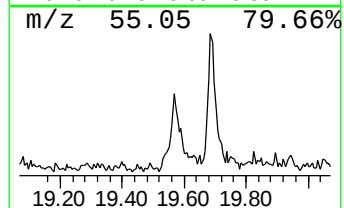
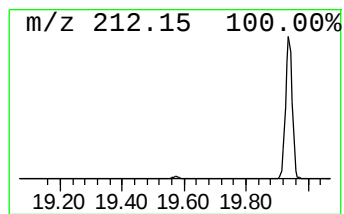
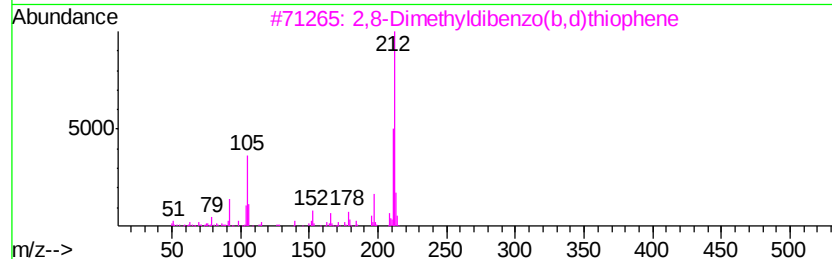
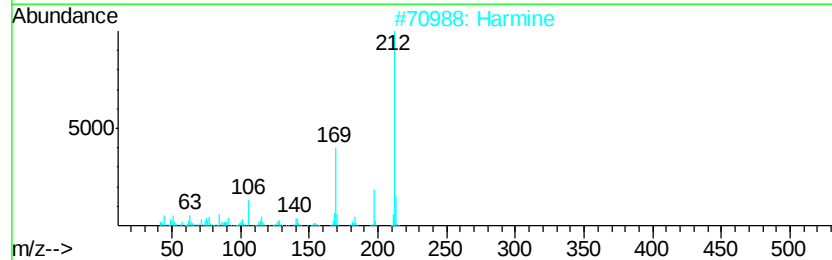
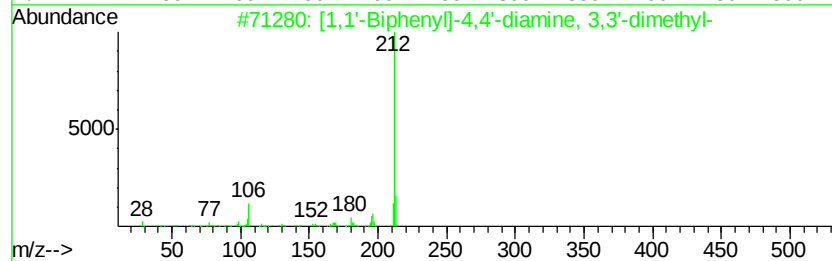
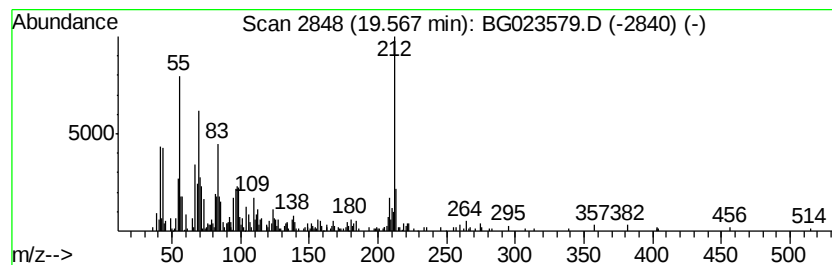
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 [1,1'-Biphenyl]-4,4'-diamin... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	2.58 ng/ul	470923	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	53
2		Harmin	212	C13H12N2O	000442-51-3	52
3		2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	50
4		[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	49
5		9H-Xanthene-9-thione	212	C13H8OS	000492-21-7	49



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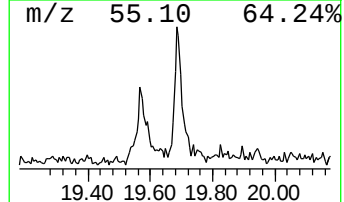
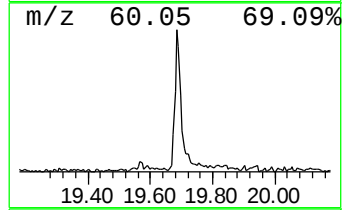
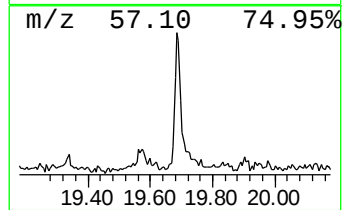
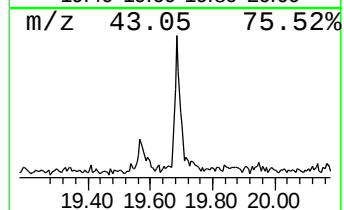
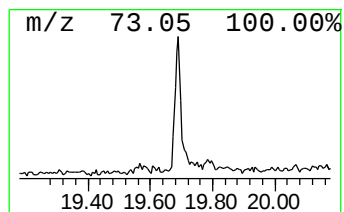
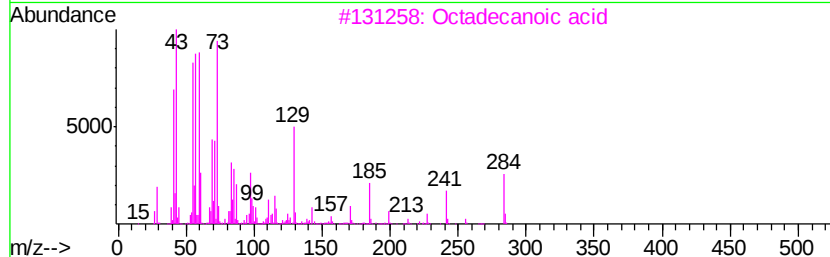
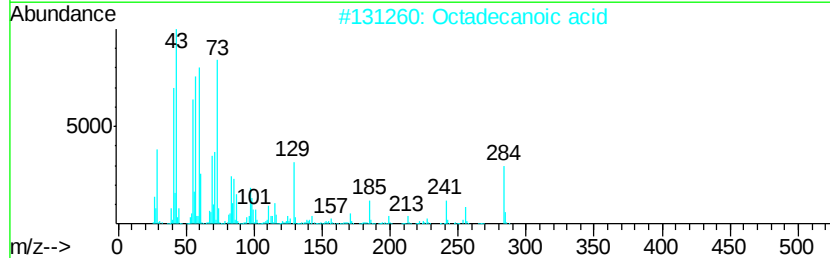
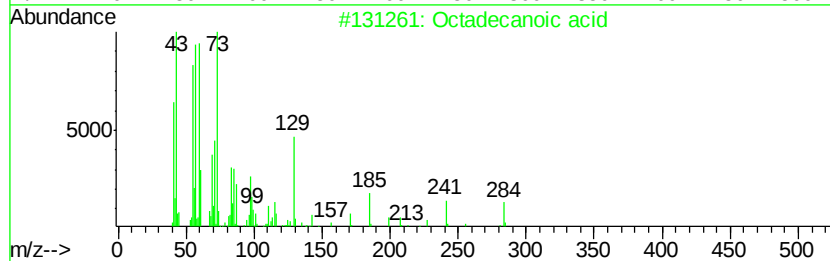
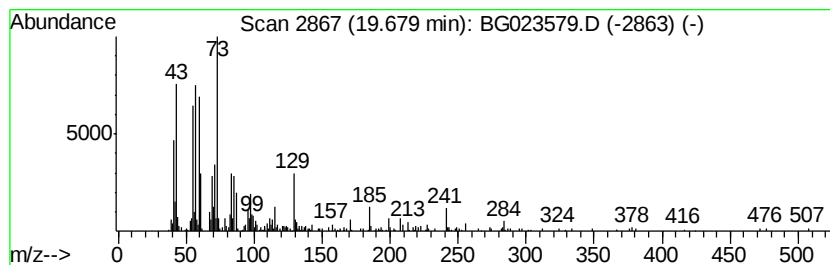
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	2.48 ng/ul	453091	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2		Octadecanoic acid	284	C18H36O2	000057-11-4	93
3		Octadecanoic acid	284	C18H36O2	000057-11-4	92
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5		Octadecanoic acid	284	C18H36O2	000057-11-4	89



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023579.D
Acq On : 10 Aug 2016 5:41
Operator : UM/SJ
Sample : H4362-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

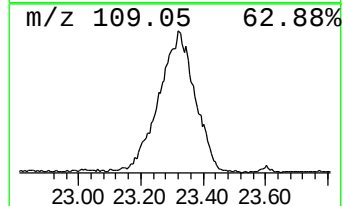
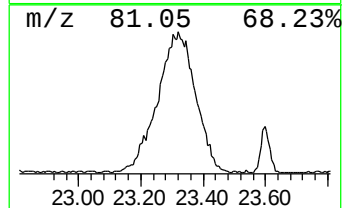
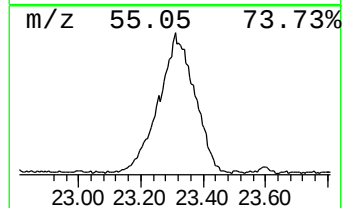
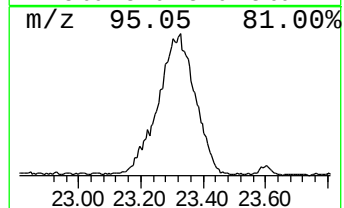
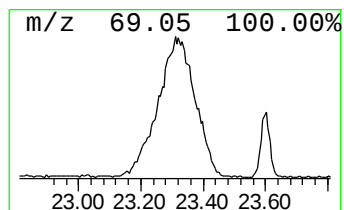
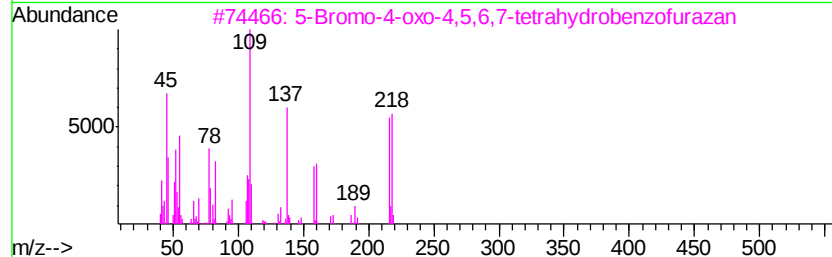
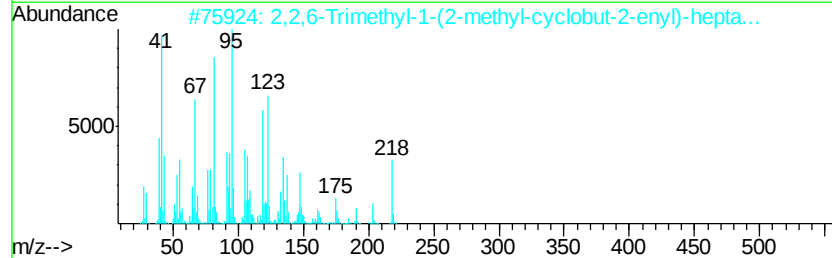
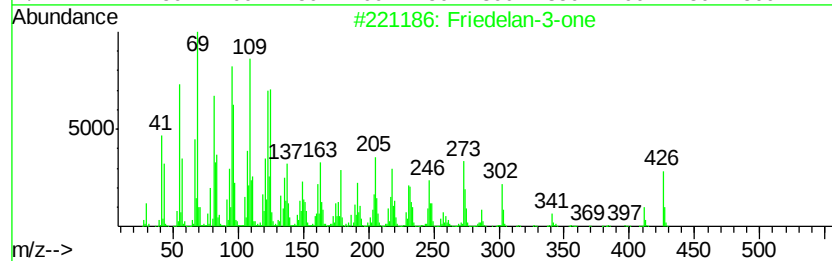
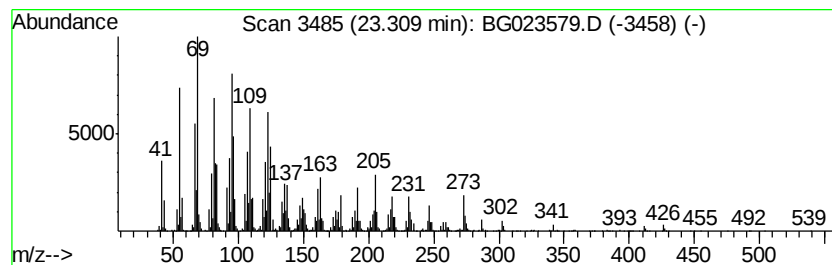
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BNA_G
ClientSampleId :
PR001-SS005-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 2,2,6-Trimethyl-1-(2-methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.31	48.52 ng/ul	9367460	Chrysene-d12	21.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Friedelan-3-one	426 C30H50O	000559-74-0 95
2		2,2,6-Trimethyl-1-(2-methyl-cycl...	218 C15H22O	1000188-72-8 55
3		5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216 C6H5BrN2O2	300574-36-1 53
4		Cyclohexanone, 2,3,3-trimethyl-2...	206 C14H22O	069296-90-8 52
5		2,3,3-Trimethyl-2-(3-methyl-buta...	206 C14H22O	1000193-60-6 52



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023579.D
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Operator : UM/SJ
Sample : H4362-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-3642-01

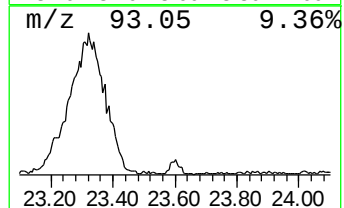
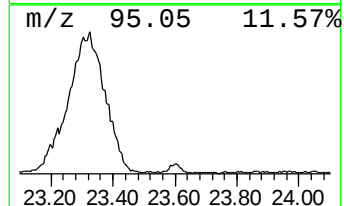
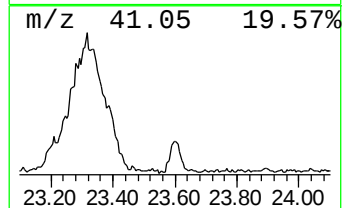
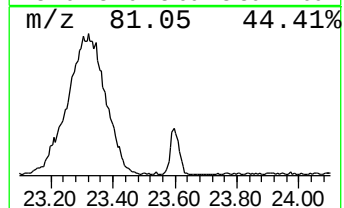
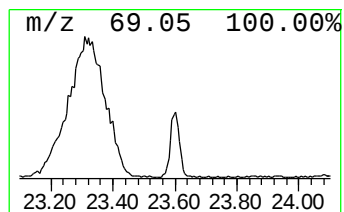
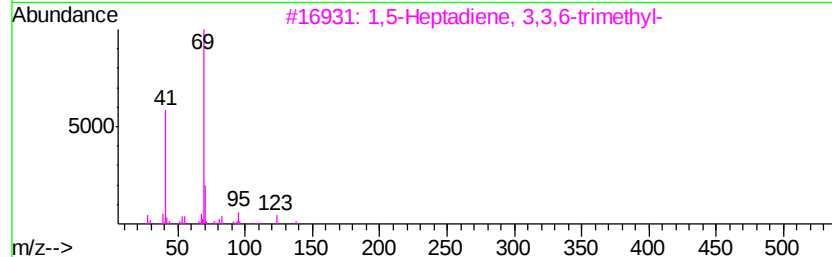
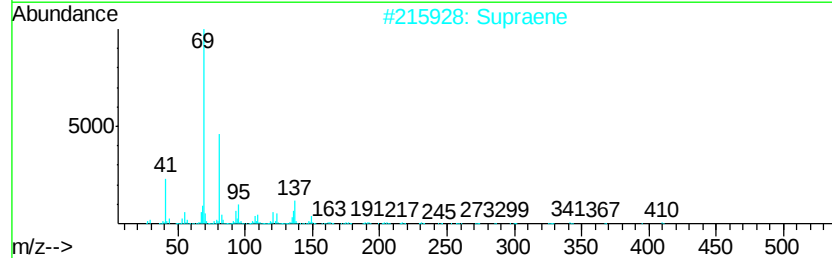
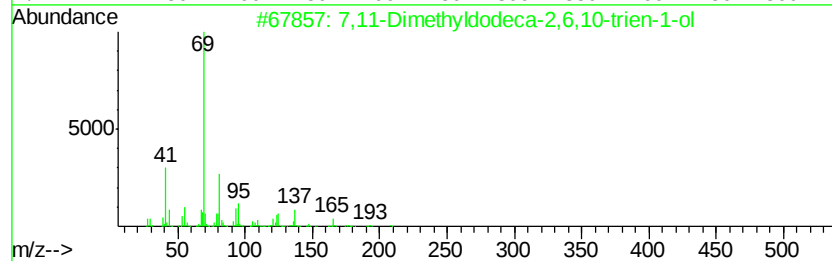
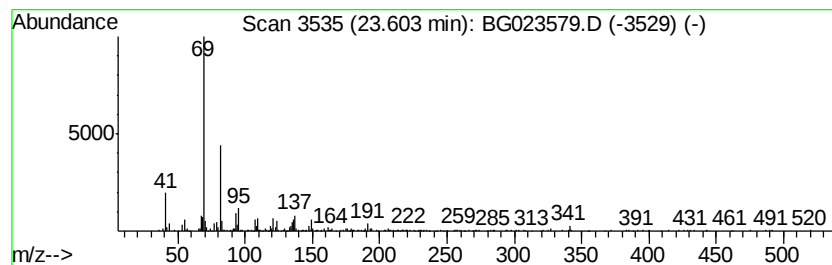
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 7,11-Dimethyldodeca-2,6,10-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	2.20 ng/ul	404647	Perylene-d12	25.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	74	
2	Supraene	410	C30H50	007683-64-9	72	
3	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	72	
4	Squalene	410	C30H50	000111-02-4	64	
5	Trifluoroacetyl-lavandulol	250	C12H17F3O2	028673-24-7	53	



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Sample : H4362-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-3642-01

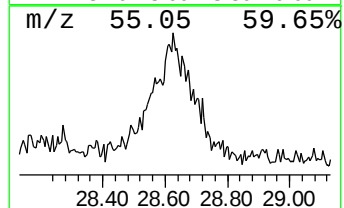
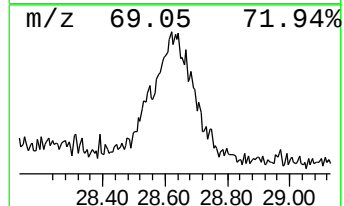
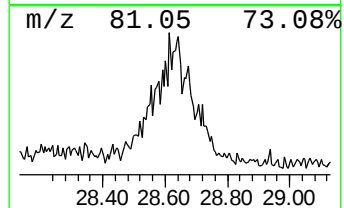
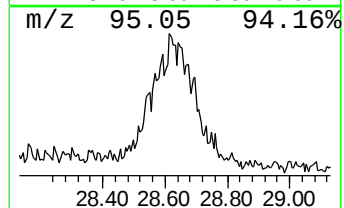
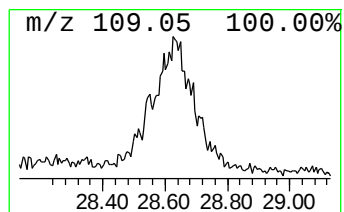
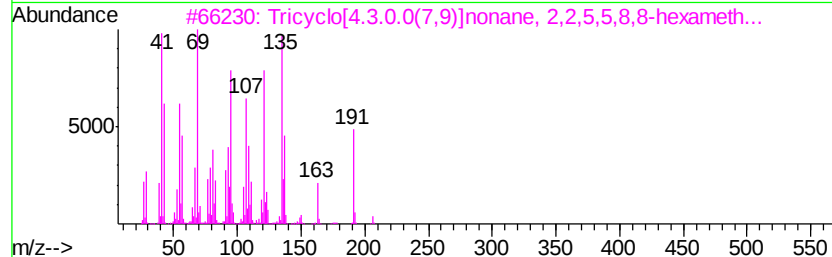
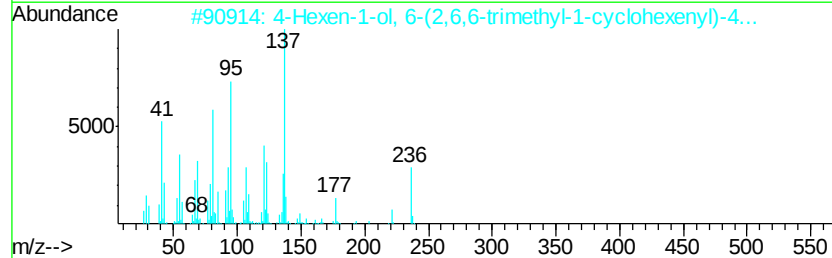
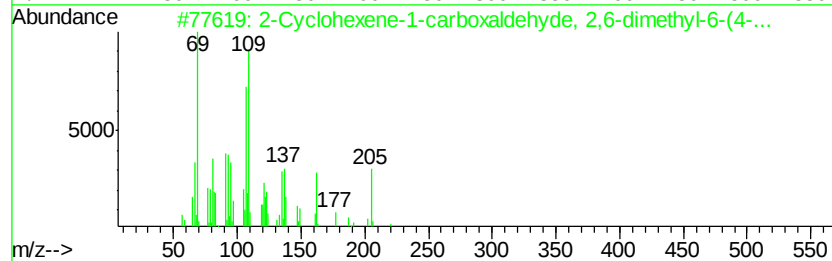
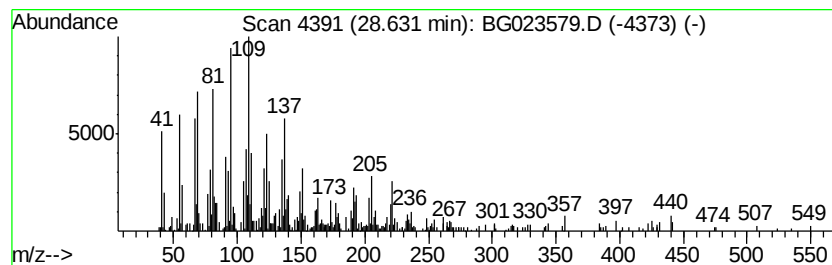
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.63	13.28 ng/ul	2445090	Perylene-d12	25.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	45
2		4-Hexen-1-ol, 6-(2,6,6-trimethyl...)	236	C16H28O	1000221-57-6	43
3		Tricyclo[4.3.0.0(7,9)]nonane, 2,...	206	C15H26	054832-82-5	43
4		2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	30
5		4-Hydroxy-2,4,5-trimethyl-2,5-cy...	152	C9H12O2	014353-72-1	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
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Operator : UM/SJ
Sample : H4362-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic acid	18.42	5.0	ng/ul	916032	4	17.55	3655470	20.0
[1,1'-Biphenyl]-4...	19.57	2.6	ng/ul	470923	4	17.55	3655470	20.0
Octadecanoic acid	19.68	2.5	ng/ul	453091	4	17.55	3655470	20.0
2,2,6-Trimethyl-1...	23.31	48.5	ng/ul	9367460	5	21.86	3861620	20.0
7,11-Dimethyldode...	23.60	2.2	ng/ul	404647	6	25.26	3681890	20.0
unknown-01	28.63	13.3	ng/ul	2445090	6	25.26	3681890	20.0