LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

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-BM052016.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	2.652	7	11	25	rVB2	49065	124462	4.18%	0.429%
2	3.010	66	72	76	rBV2	46052	62015	2.08%	0.214%
3	3.052	76	79	83	rVV	33280	44568	1.50%	0.154%
4	3.099	83	87	99	rVB2	22898	36602	1.23%	0.126%
5	3.822	205	210	216	rVB	43436	59163	1.99%	0.204%
6	4.475	316	321	329	rVB	33399	47184	1.58%	0.163%
7	6.987	739	748	757	rVB2	139702	267426	8.98%	0.923%
8	7.157	770	777	785	rBV	122337	200964	6.75%	0.693%
9	7.357	805	811	818	rVB	158797	250689	8.42%	0.865%
10	7.822	882	890	897	rBV	557697	900128	30.22%	3.105%
11	8.522	1000	1009	1021	rVB	191374	324737	10.90%	1.120%
12	8.728	1035	1044	1054	rBV3	19387	63380	2.13%	0.219%
13	8.975	1079	1086	1093	rBV	144940	244142	8.20%	0.842%
14	9.081	1100	1104	1110	rVB	29937	45812	1.54%	0.158%
15	9.392	1150	1157	1165	rBV	53891	79409	2.67%	0.274%
16	9.698	1202	1209	1219	rBV	125005	216561	7.27%	0.747%
17	10.233	1293	1300	1307	rBV	199637	329911	11.08%	1.138%
18	10.616	1355	1365	1371	rBV	701345	1232405	41.38%	4.251%
19	10.751	1383	1388	1392	rBV	29236	54253	1.82%	0.187%
20	10.798	1392	1396	1402	rVB2	35266	54921	1.84%	0.189%
21	10.922	1411	1417	1421	rBV	25154	39331	1.32%	0.136%
22	11.880	1572	1580	1586	rBV	103320	156583	5.26%	0.540%
23	12.204	1629	1635	1641	rBV	109207	187980	6.31%	0.648%
24	12.275	1641	1647	1653	rVB	53357	87296	2.93%	0.301%
25	12.492	1677	1684	1692	rVB	29661	48012	1.61%	0.166%
26	13.280	1812	1818	1823	rBV2	22265	31868	1.07%	0.110%
27	13.351	1823	1830	1836	rBV4	17032	31769	1.07%	0.110%
28	13.621	1871	1876	1882	rVB2	59339	105321	3.54%	0.363%
29	13.774	1896	1902	1907	rBV	33707	55234	1.85%	0.191%
30	13.863	1912	1917	1922	rVV2	385662	650620	21.84%	2.244%
31	13.910	1922	1925	1934	rVB	86632	123726	4.15%	0.427%
32	14.145	1960	1965	1974	rVB	399923	620122	20.82%	2.139%
33	14.351	1996	2000	2005	rBV	36355	48620	1.63%	0.168%
34	14.457	2010	2018	2026	rVV2	971648	1532083	51.44%	5.285%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

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-BM052016.M
Title : SVOA CALIBRATION

35	14.651	2043	2051	2058	rBV2	101743	179476	6.03%	0.619%
36	14.863	2081	2087	2091	rBV4	31787	65161	2.19%	0.225%
37	15.304	2158	2162	2167	rVB	49823	65168	2.19%	0.225%
38	15.445	2180	2186	2192	rBV2	577863	867863	29.14%	2.994%
39	15.557	2200	2205	2212	rBV	125587	183616	6.16%	0.633%
40	15.710	2224	2231	2236	rBV2	47788	78511	2.64%	0.271%
41	15.792	2241	2245	2254	rVB9	23460	50466	1.69%	0.174%
42	16.163	2304	2308	2310	rBV	53137	71229	2.39%	0.246%
43	16.192	2310	2313	2319	rVB2	73979	103849	3.49%	0.358%
44	16.280	2325	2328	2331	rBV	24259	34311	1.15%	0.118%
45	16.339	2334	2338	2344	rVV3	48868	79742	2.68%	0.275%
46	16.398	2344	2348	2352	rVV2	40459	57417	1.93%	0.198%
47	16.445	2353	2356	2360	rVV2	29289	38661	1.30%	0.133%
48	16.498	2360	2365	2367	rVV3	35987	57630	1.93%	0.199%
49	16.545	2370	2373	2377	rVV	80432	114791	3.85%	0.396%
50	16.604	2377	2383	2390	rVV4	271188	526590	17.68%	1.817%
51	16.680	2391	2396	2402	rVV3	86132	175090	5.88%	0.604%
52	16.739	2403	2406	2414	rVB	64409	103496	3.47%	0.357%
53	16.951	2440	2442	2446	rVB2	30227	35029	1.18%	0.121%
54	17.198	2476	2484	2490	rBV2	1203189	1869480	62.76%	6.449%
55	17.292	2495	2500	2509	rVV2	574072	861488	28.92%	2.972%
56	17.574	2545	2548	2558	rVB2	226057	354305	11.89%	1.222%
57	18.092	2632	2636	2647	rBV	347621	617332	20.73%	2.130%
58	18.609	2721	2724	2731	rVB	322980	449012	15.07%	1.549%
59	18.951	2778	2782	2786	rBV	507926	654780	21.98%	2.259%
60	19.280	2836	2838	2847	rVB2	232062	303976	10.21%	1.049%
61	19.586	2887	2890	2895	rVB	557716	720422	24.19%	2.485%
62	21.380	3191	3195	3200	rVB	1167769	1572111	52.78%	5.423%
63	21.697	3245	3249	3253	rVB	855249	1208255	40.56%	4.168%
64	23.668	3581	3584	3597	rVB2	954004	1950192	65.47%	6.727%
65	24.297	3686	3691	3702	rVB2	1357584	2978618	100.00%	10.275%
66	24.533	3725	3731	3738	rVB	988746	2051539	68.88%	7.077%
67	26.027	3981	3985	3998	rVB2	788859	2151865	72.24%	7.423%

Sum of corrected areas: 28988768

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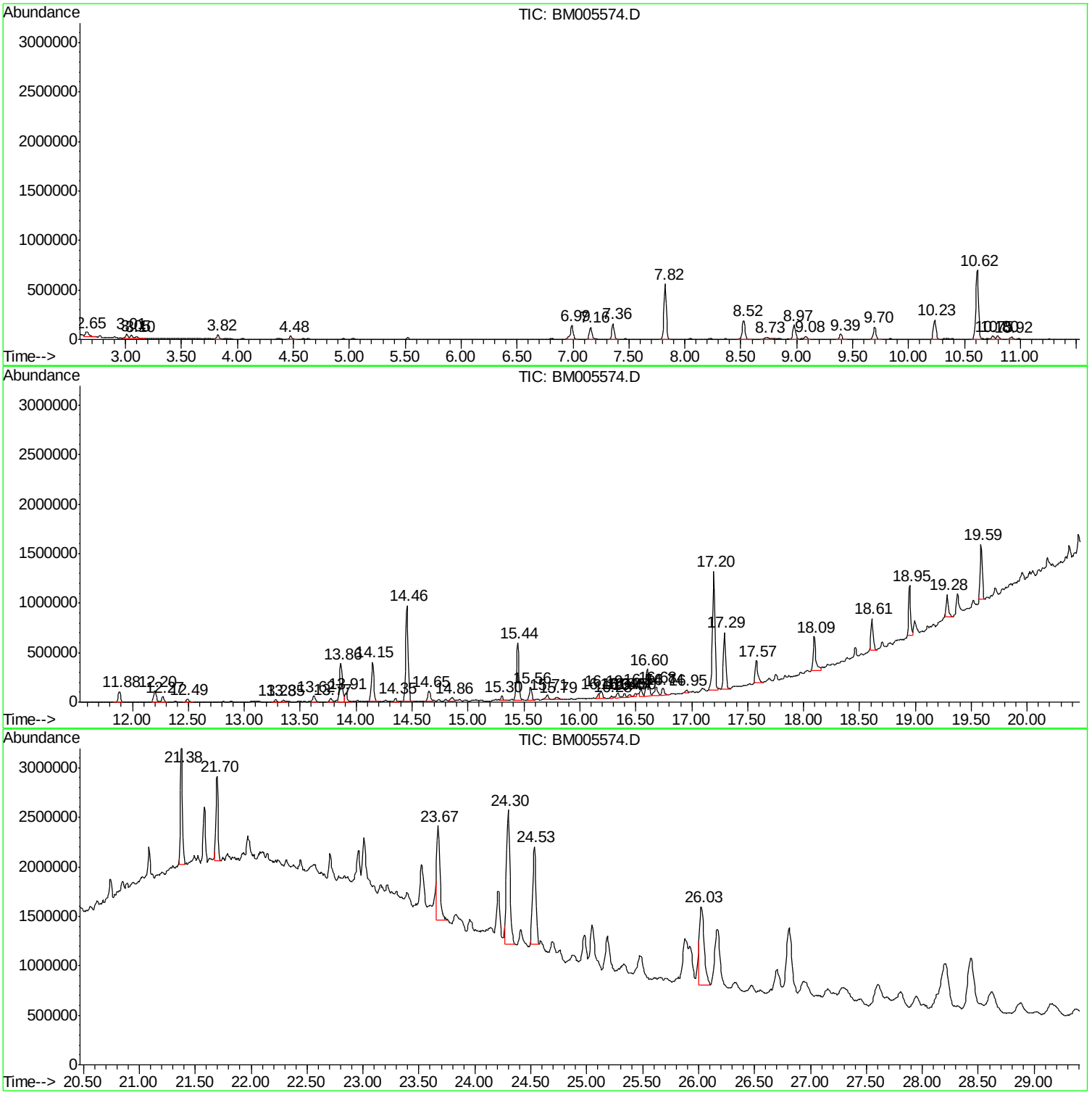
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 22 May 2016 05:27
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Quant Title : SVOA CALIBRATION

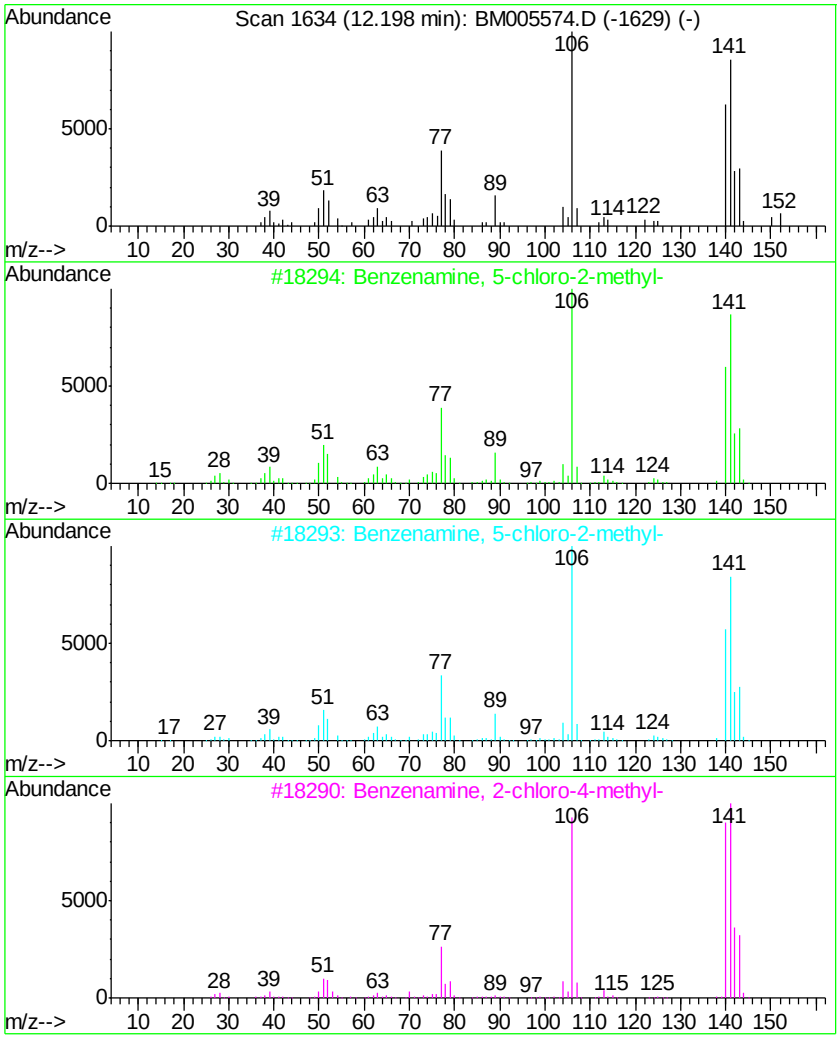
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

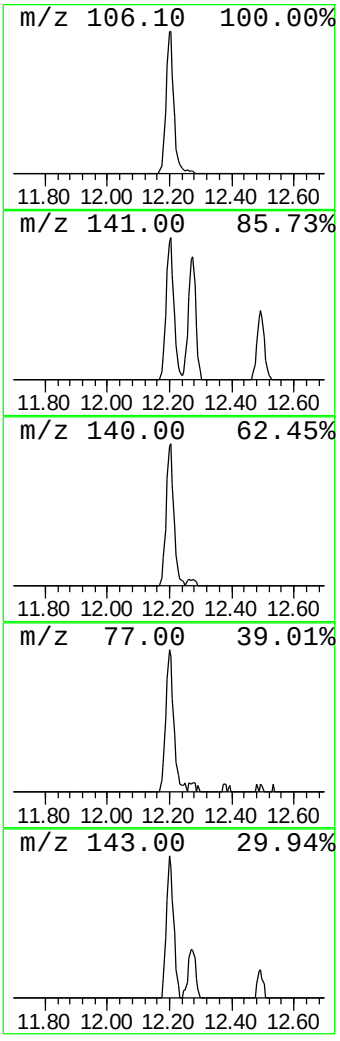
****

Peak Number 3 Benzenamine, 5-chloro-2-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.05 ng/ul	187980	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	98
2	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	98
3	Benzenamine, 2-chloro-4-methyl-	141	C7H8ClN	000615-65-6	97
4	Benzenamine, 3-chloro-4-methyl-	141	C7H8ClN	000095-74-9	95
5	Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

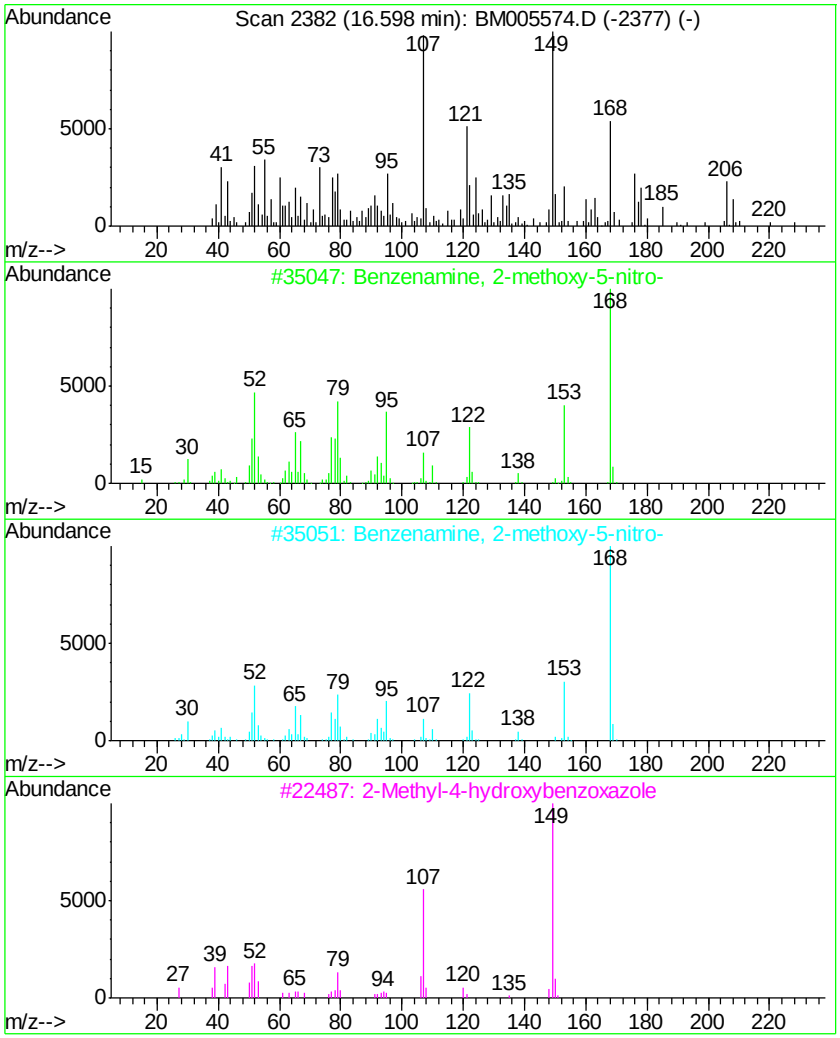
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

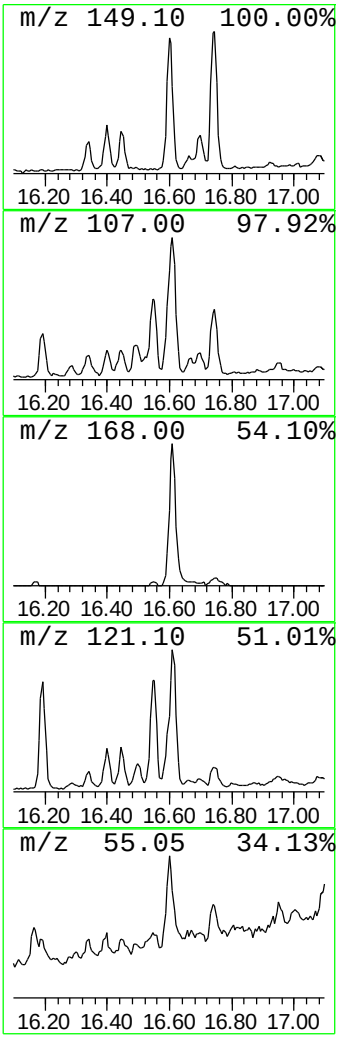
****

Peak Number 4 Benzenamine, 2-methoxy-5-ni... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.63 ng/ul	526590	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-5-nitro-	168	C7H8N2O3	000099-59-2	95
2	Benzenamine, 2-methoxy-5-nitro-	168	C7H8N2O3	000099-59-2	46
3	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	46
4	Benzenamine, 4-methoxy-2-nitro-	168	C7H8N2O3	000096-96-8	41
5	Benzenamine, 4-methoxy-2-nitro-	168	C7H8N2O3	000096-96-8	41





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Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

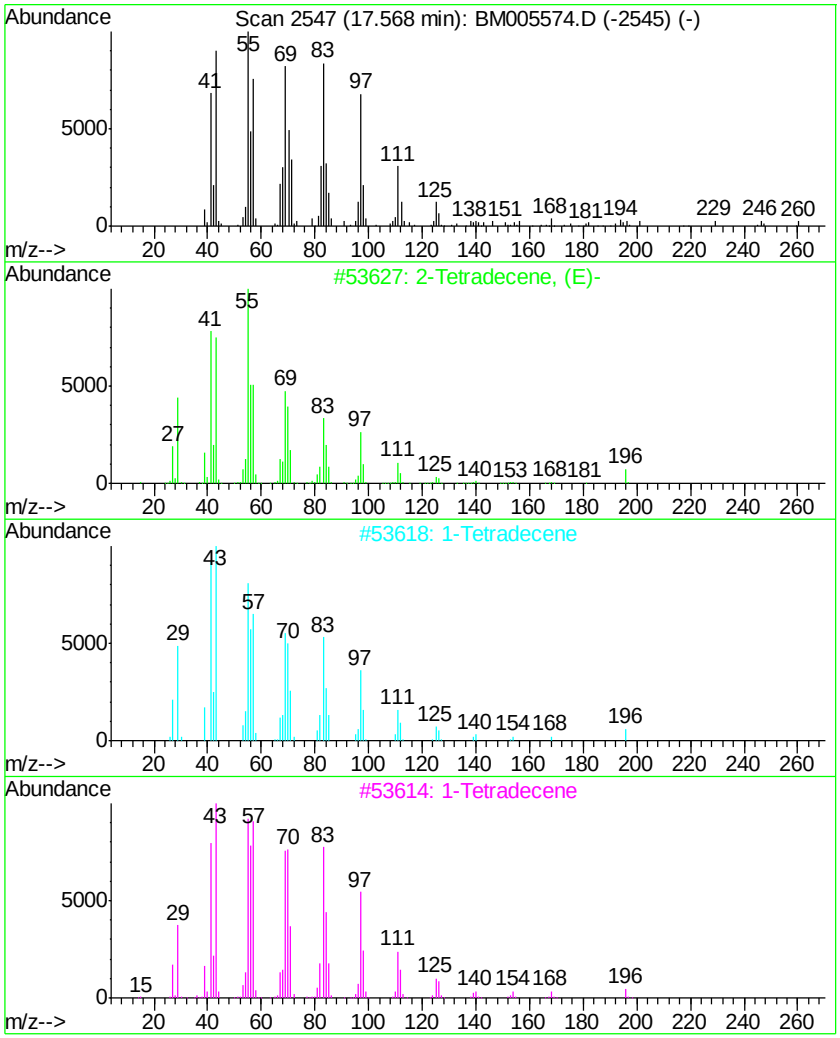
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

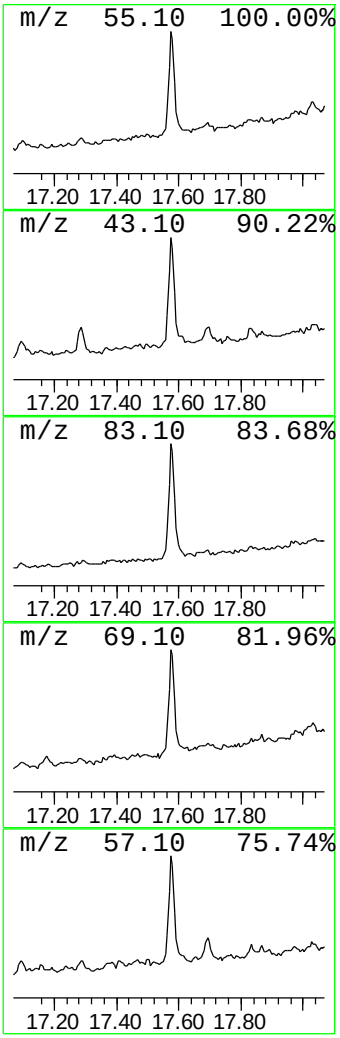
****

Peak Number 5 (DEL) Alkane: Cyclic17.57 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	3.79 ng/ul	354305	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tetradecene, (E)-	196	C14H28	035953-53-8	97
2	1-Tetradecene	196	C14H28	001120-36-1	95
3	1-Tetradecene	196	C14H28	001120-36-1	95
4	1-Hexadecanol	242	C16H34O	036653-82-4	95
5	Cyclotetradecane	196	C14H28	000295-17-0	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
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Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

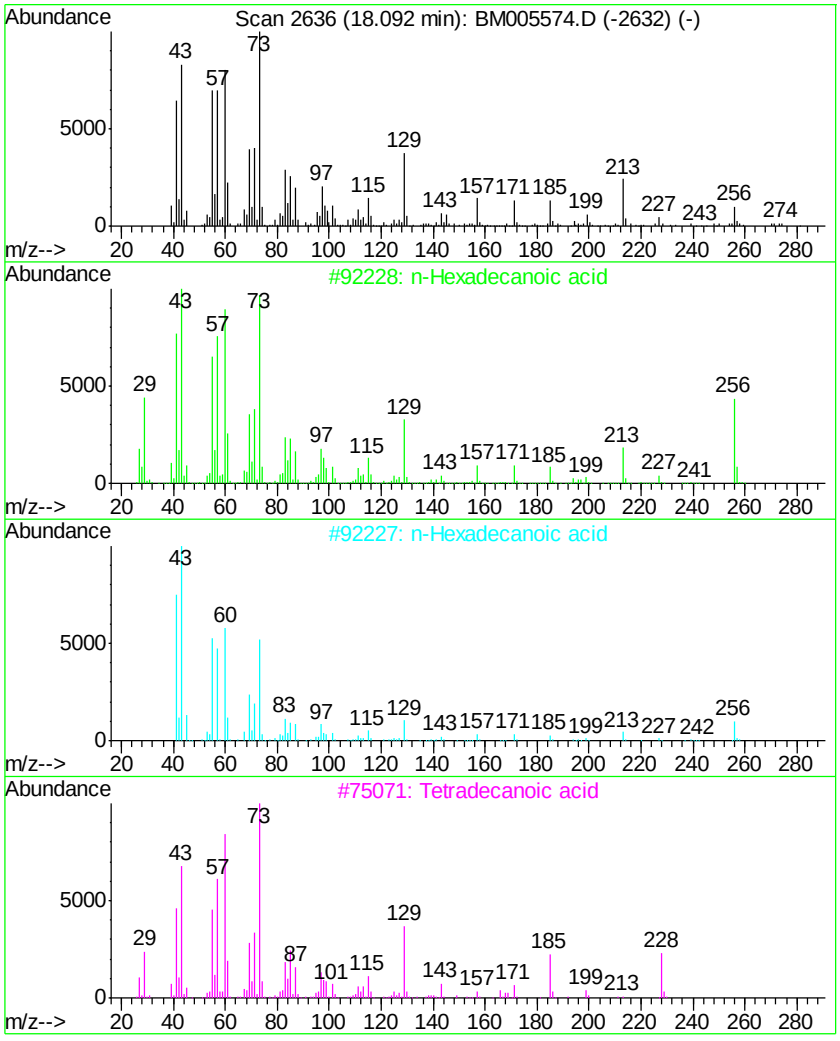
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

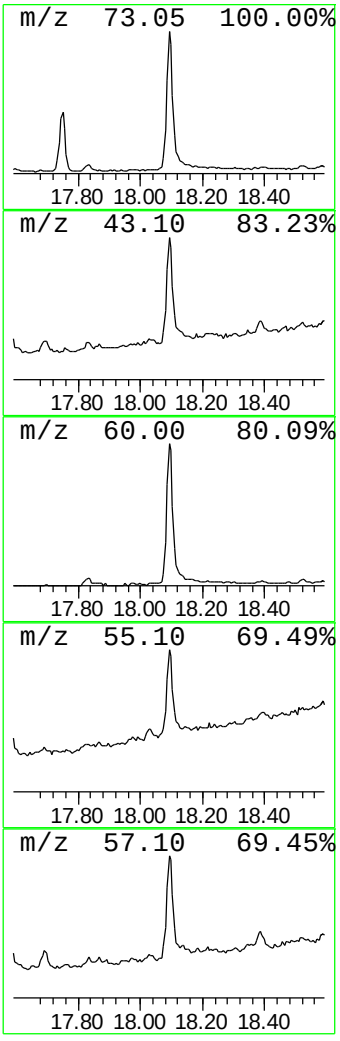
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	6.60 ng/ul	617332	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
4	Tridecanoic acid	214	C13H26O2	000638-53-9	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	91





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Data File : BM005574.D
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Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

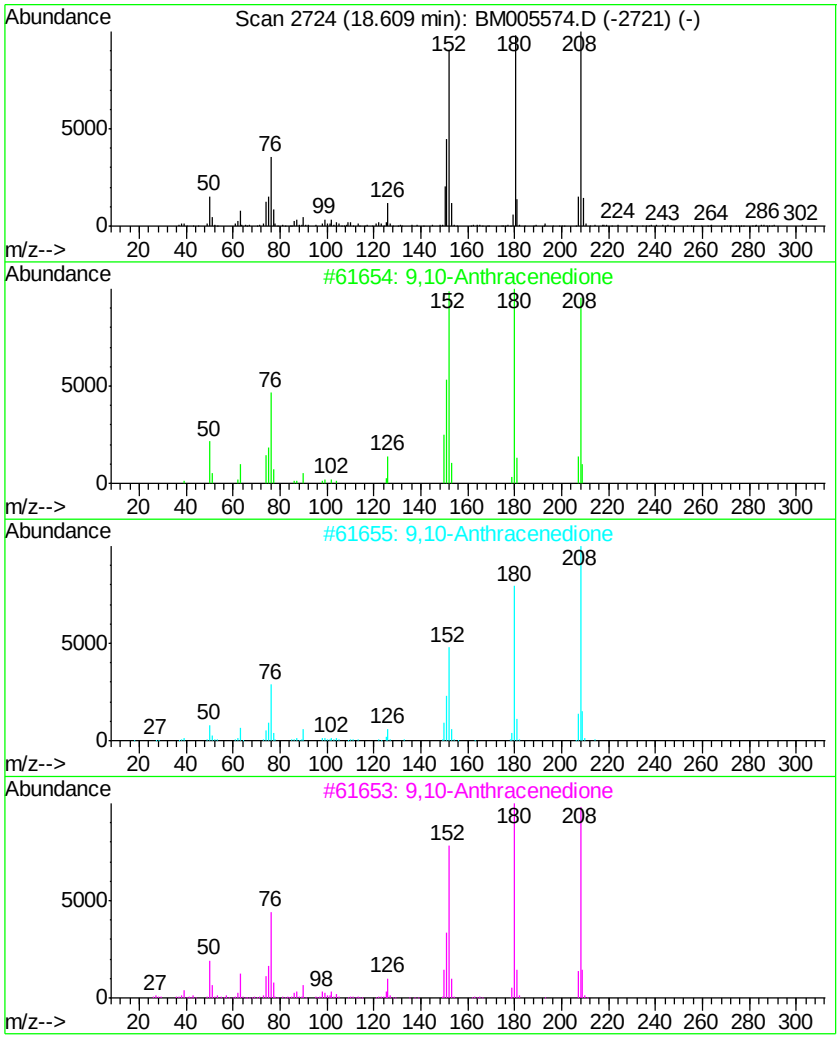
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

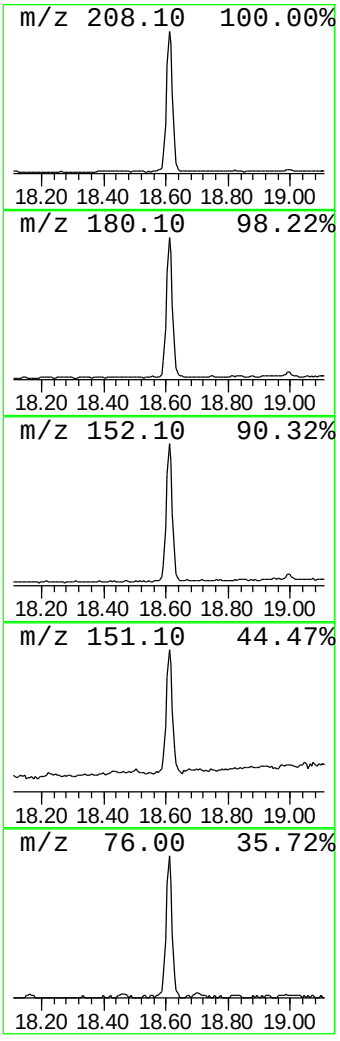
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	4.80 ng/ul	449012	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

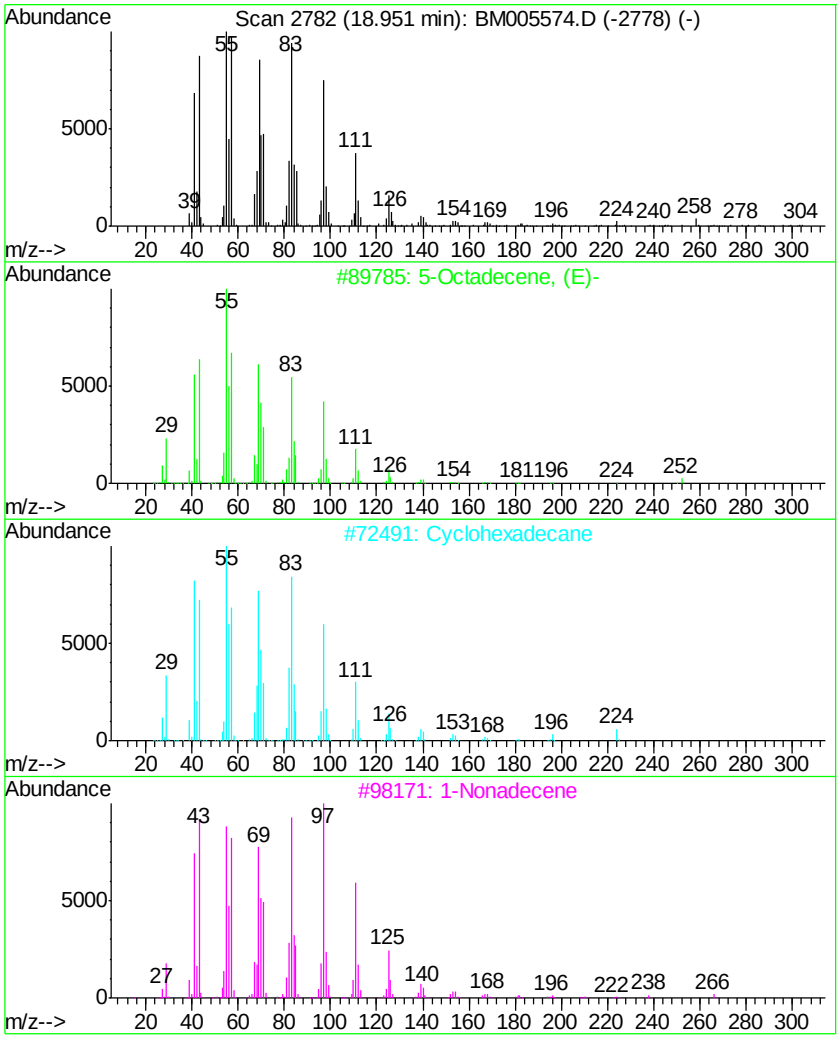
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

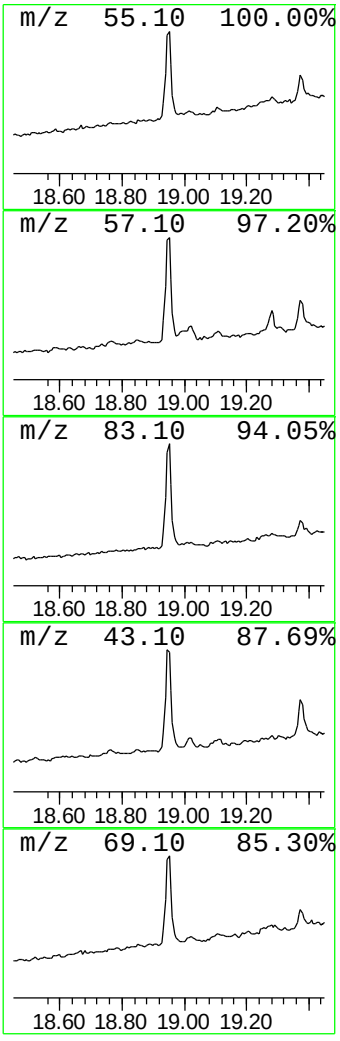
****

Peak Number 8 (DEL) Alkane: Cyclic18.95 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	7.00 ng/ul	654780	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octadecene, (E)-	252	C18H36	007206-21-5	98
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	1-Nonadecene	266	C19H38	018435-45-5	94
4	Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	94
5	1-Hexadecene	224	C16H32	000629-73-2	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
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Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

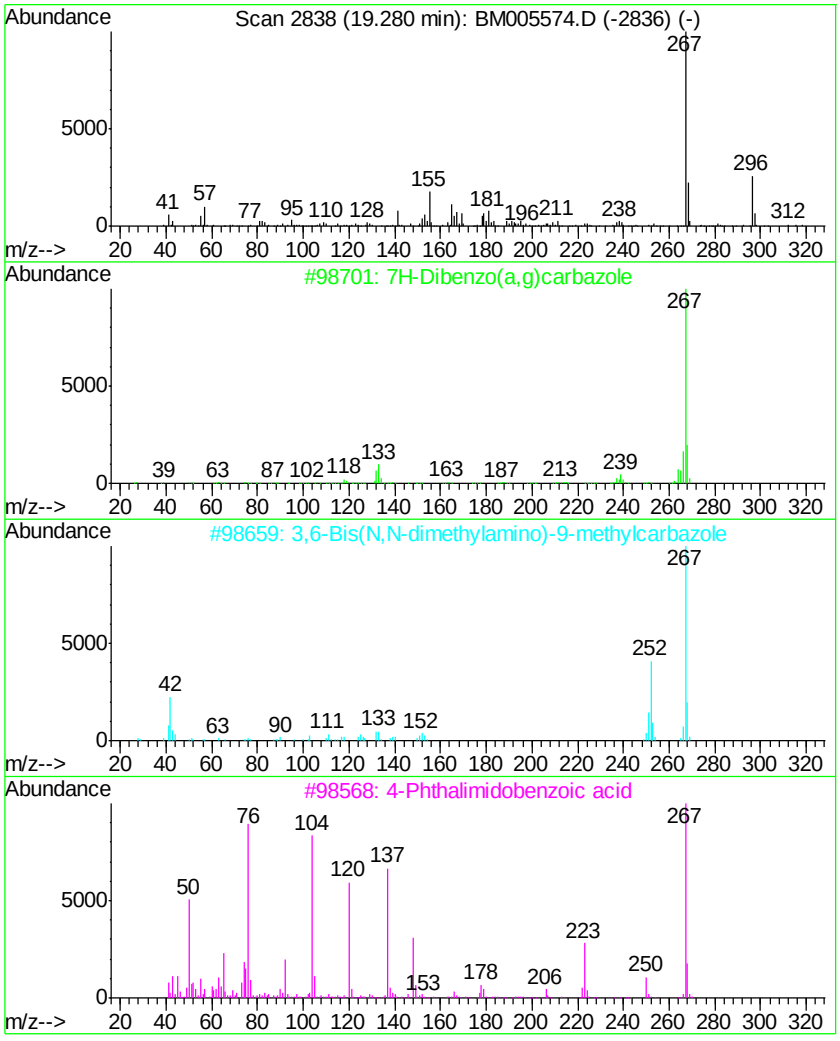
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

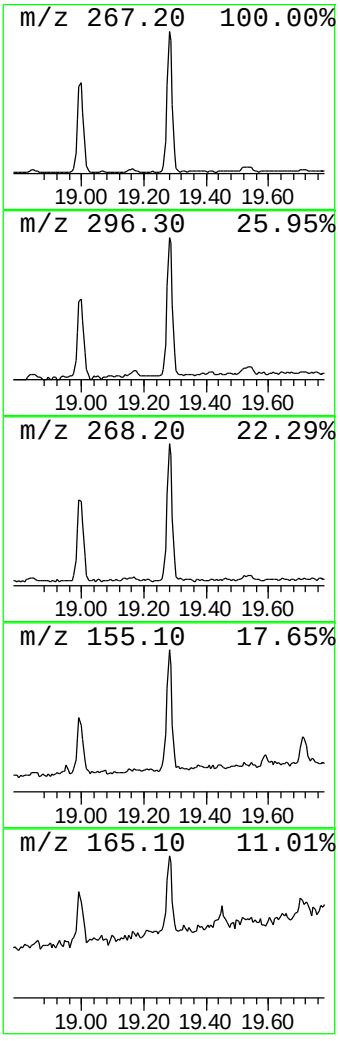
****

Peak Number 9 7H-Dibenzo(a,g)carbazole Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.25 ng/ul	303976	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	50
2	3,6-Bis(N,N-dimethylamino)-9-met...	267	C17H21N3	119046-55-8	50
3	4-Phthalimidobenzoic acid	267	C15H9NO4	005383-82-4	50
4	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	50
5	4,5-Ethylene-8,9-dimethoxy-4,5-d...	267	C17H17NO2	107208-75-3	43





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Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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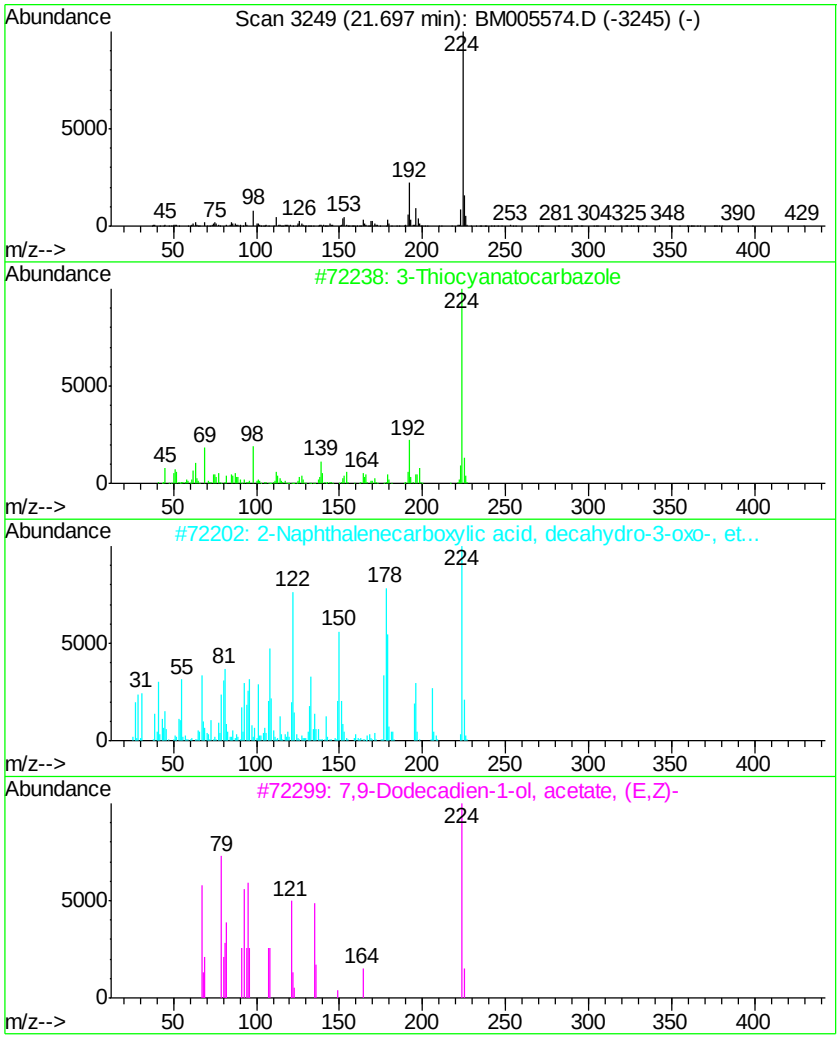
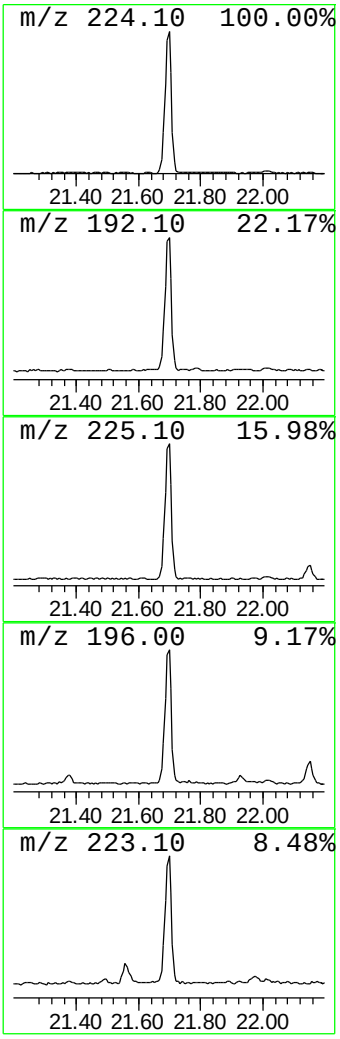
Peak Number 10 3-Thiocyanatocarbazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	15.37 ng/ul	1208260	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Thiocyanatocarbazole	224	C13H8N2S	040604-35-1	91
2	2-Naphthalenecarboxylic acid, de...	224	C13H20O3	076158-38-8	70
3	7,9-Dodecadien-1-ol, acetate, (E...	224	C14H24O2	055774-32-8	53
4	2-Propen-1-one, 1-(2-hydroxyphen...	224	C15H12O2	001214-47-7	50
5	2H-Benzotriazol-5-amine, 6-methy...	224	C13H12N4	082811-23-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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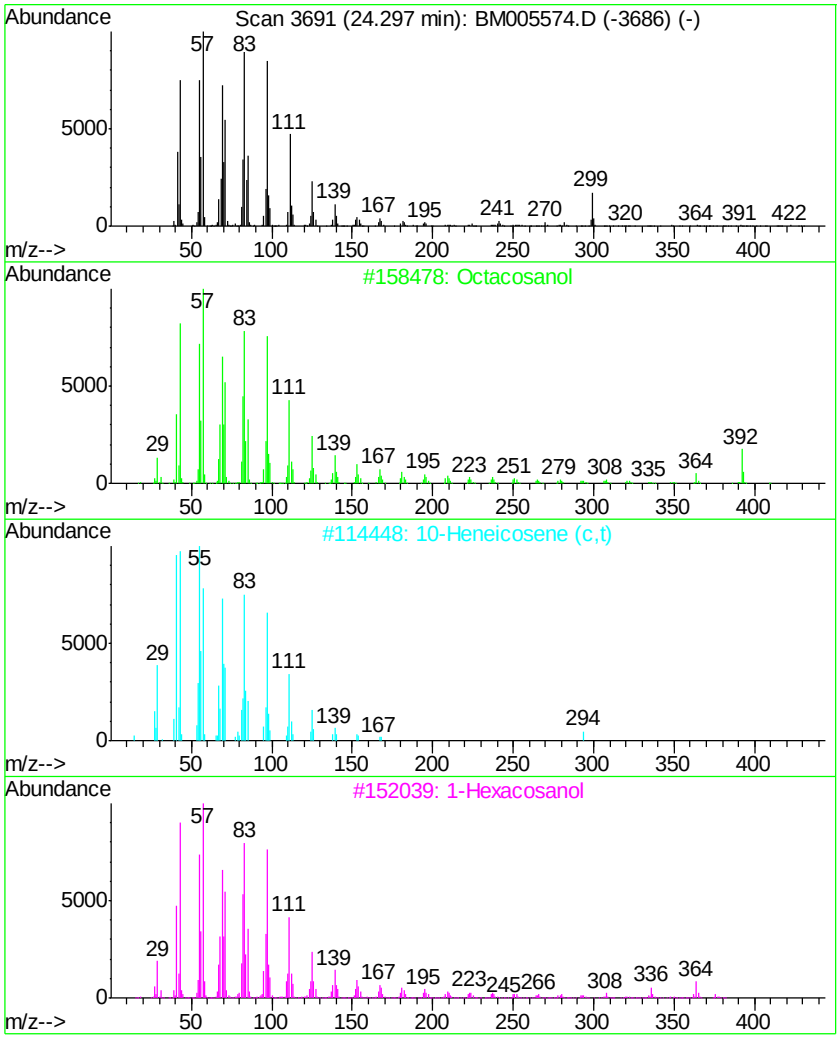
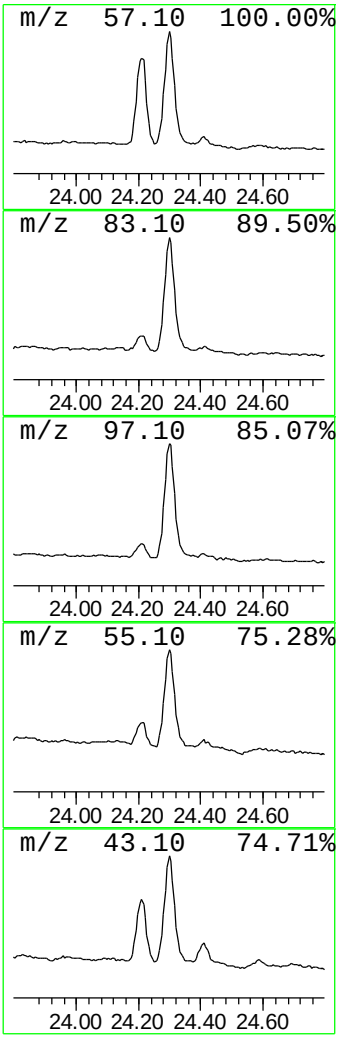
Peak Number 11 Octacosanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.30	30.55 ng/ul	2978620	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosanol	410	C28H58O	000557-61-9	94
2	10-Heneicosene (c,t)	294	C21H42	095008-11-0	93
3	1-Hexacosanol	382	C26H54O	000506-52-5	91
4	1-Docosene	308	C22H44	001599-67-3	91
5	17-Pentatriacontene	491	C35H70	006971-40-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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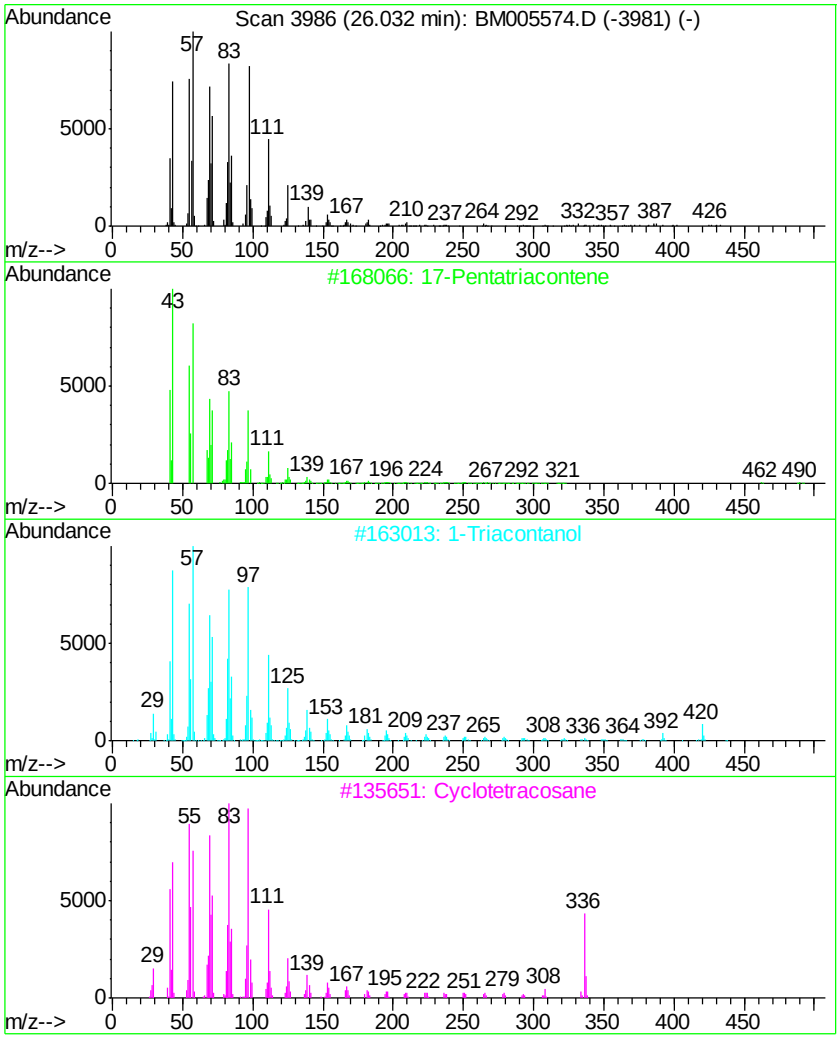
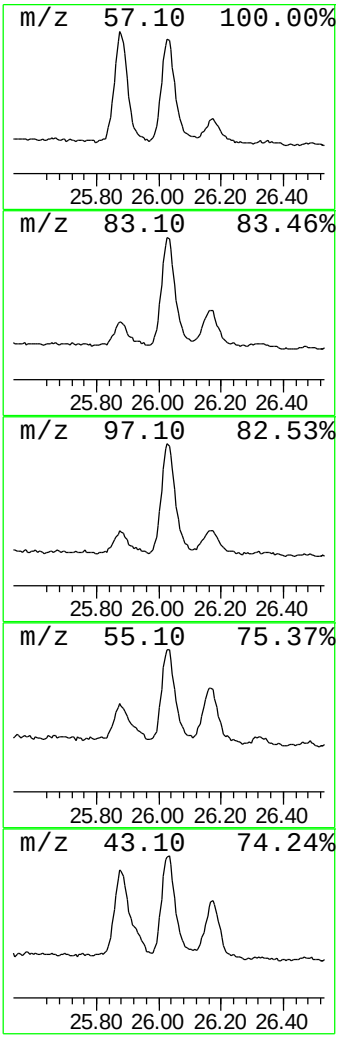
Peak Number 13 (DEL) Alkane: Cyclic26.03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.03	22.07 ng/ul	2151870	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	1-Triacontanol	438	C30H62O	000593-50-0	90
3	Cyclotetracosane	336	C24H48	000297-03-0	87
4	1-Docosene	308	C22H44	001599-67-3	83
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005574.D
Acq On : 22 May 2016 05:27
Operator : UM/SJ
Sample : H2841-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.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
Benzenamine, 5-ch...	12.20	3.0	ng/ul	187980	2	10.62	1232410	20.0
Benzenamine, 2-me...	16.60	5.6	ng/ul	526590	4	17.20	1869480	20.0
(DEL) Alkane: Cyc...	17.57	3.8	ng/ul	354305	4	17.20	1869480	20.0
n-Hexadecanoic acid	18.09	6.6	ng/ul	617332	4	17.20	1869480	20.0
9,10-Anthracenedione	18.61	4.8	ng/ul	449012	4	17.20	1869480	20.0
(DEL) Alkane: Cyc...	18.95	7.0	ng/ul	654780	4	17.20	1869480	20.0
7H-Dibenzo(a,g)ca...	19.28	3.3	ng/ul	303976	4	17.20	1869480	20.0
3-Thiocyanatocarb...	21.70	15.4	ng/ul	1208260	5	21.37	1572110	20.0
Octacosanol	24.30	30.6	ng/ul	2978620	6	23.67	1950190	20.0
(DEL) Alkane: Cyc...	26.03	22.1	ng/ul	2151870	6	23.67	1950190	20.0