LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	3.203	58	62	66	rVB5	12787	22052	1.23%	0.098%
2	3.249	67	70	75	rVV7	8589	10947	0.61%	0.049%
3	3.567	119	124	129	rBV4	13895	25676	1.43%	0.115%
4	3.772	154	159	161	rBV4	5624	10045	0.56%	0.045%
5	4.107	212	216	222	rVB7	7089	11733	0.65%	0.052%
6	4.336	252	255	262	rVB4	9894	22726	1.27%	0.101%
7	4.389	262	264	267	rBV2	6695	8533	0.48%	0.038%
8	4.530	284	288	297	rVV6	4738	15393	0.86%	0.069%
9	5.288	408	417	422	rBV3	11462	24620	1.37%	0.110%
10	5.823	499	508	512	rBV6	9195	16995	0.95%	0.076%
11	6.170	565	567	575	rVB4	4884	10831	0.60%	0.048%
12	7.380	761	773	791	rVB3	193017	459420	25.58%	2.052%
13	7.539	791	800	811	rBV2	157412	281625	15.68%	1.258%
14	7.644	816	818	826	rVB6	5293	10256	0.57%	0.046%
15	7.750	827	836	849	rVV2	201857	390261	21.73%	1.743%
16	8.220	908	916	927	rBV3	251874	464842	25.88%	2.076%
17	8.755	1003	1007	1018	rVB8	7684	16662	0.93%	0.074%
18	8.937	1030	1038	1049	rBV3	179627	381607	21.25%	1.704%
19	9.313	1094	1102	1107	rBV5	5917	14857	0.83%	0.066%
20	9.407	1107	1118	1128	rBV2	225858	443818	24.71%	1.982%
21	9.724	1165	1172	1174	rVB3	6276	9317	0.52%	0.042%
22	9.959	1209	1212	1217	rVB4	4213	8582	0.48%	0.038%
23	10.130	1231	1241	1254	rVV2	210134	411008	22.89%	1.836%
24	10.218	1254	1256	1262	rVB5	6608	9755	0.54%	0.044%
25	10.441	1290	1294	1304	rVB6	6285	12547	0.70%	0.056%
26	10.676	1325	1334	1350	rVV3	244818	515099	28.68%	2.300%
27	10.970	1378	1384	1387	rBV4	7666	15548	0.87%	0.069%
28	11.046	1387	1397	1404	rVV	357326	664520	37.00%	2.968%
29	11.099	1404	1406	1412	rVB2	28334	37400	2.08%	0.167%
30	11.193	1412	1422	1435	rBV3	174665	400014	22.27%	1.786%
31	11.499	1471	1474	1480	rBV5	5096	9740	0.54%	0.043%
32	12.398	1624	1627	1633	rVB3	10760	13946	0.78%	0.062%
33	12.691	1673	1677	1685	rBV4	14995	32618	1.82%	0.146%
34	12.909	1710	1714	1721	rBV6	11459	19772	1.10%	0.088%

LSC Area Percent Report

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Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	13.114	1747	1749	1754	rVB4	5877	10177	0.57%	0.045%
36	13.197	1758	1763	1771	rVB7	8458	17383	0.97%	0.078%
37	13.332	1780	1786	1796	rVB8	9154	26490	1.48%	0.118%
38	13.614	1828	1834	1841	rBV3	19254	37980	2.11%	0.170%
39	13.690	1841	1847	1853	rVV8	12358	31411	1.75%	0.140%
40	13.884	1877	1880	1887	rVB7	5434	10084	0.56%	0.045%
41	14.002	1896	1900	1902	rBV5	7235	10777	0.60%	0.048%
42	14.154	1922	1926	1927	rBV2	10106	10937	0.61%	0.049%
43	14.237	1934	1940	1945	rBV	594463	898020	50.01%	4.011%
44	14.284	1945	1948	1956	rVB	178894	263863	14.69%	1.178%
45	14.395	1962	1967	1971	rBV5	8407	11978	0.67%	0.053%
46	14.542	1985	1992	2004	rVB	593280	961368	53.53%	4.293%
47	14.683	2011	2016	2023	rBV2	37595	55528	3.09%	0.248%
48	14.842	2033	2043	2051	rVV	601320	999894	55.68%	4.465%
49	14.895	2051	2052	2059	rVB5	10534	18617	1.04%	0.083%
50	15.024	2071	2074	2077	rBV4	7530	9873	0.55%	0.044%
51	15.083	2077	2084	2096	rVV3	84101	232112	12.93%	1.037%
52	15.247	2105	2112	2116	rVV6	16419	36335	2.02%	0.162%
53	15.288	2116	2119	2127	rVB8	14420	33586	1.87%	0.150%
54	15.453	2141	2147	2150	rBV7	9359	15726	0.88%	0.070%
55	15.494	2152	2154	2165	rVB7	7637	16569	0.92%	0.074%
56	15.594	2167	2171	2173	rBV5	13681	19682	1.10%	0.088%
57	15.629	2173	2177	2182	rVB2	69379	92956	5.18%	0.415%
58	15.835	2201	2212	2228	rVB	754073	1272369	70.85%	5.682%
59	15.970	2230	2235	2242	rBV2	159928	268094	14.93%	1.197%
60	16.029	2243	2245	2250	rVV3	25228	35057	1.95%	0.157%
61	16.076	2250	2253	2260	rVB9	14447	27383	1.52%	0.122%
62	16.193	2268	2273	2277	rVB8	9558	20244	1.13%	0.090%
63	16.258	2278	2284	2287	rVV8	7065	10102	0.56%	0.045%
64	16.334	2294	2297	2300	rBV5	8546	10839	0.60%	0.048%
65	16.487	2318	2323	2332	rVV2	71778	148079	8.25%	0.661%
66	16.628	2340	2347	2348	rBV7	6662	13828	0.77%	0.062%
67	16.757	2366	2369	2375	rVB7	10196	13348	0.74%	0.060%
68	16.892	2388	2392	2397	rVB7	11363	19334	1.08%	0.086%
69	16.945	2397	2401	2406	rVB8	14353	24631	1.37%	0.110%
70	17.057	2416	2420	2424	rBV7	9651	17613	0.98%	0.079%
71	17.110	2426	2429	2431	rBV4	6456	8988	0.50%	0.040%

LSC Area Percent Report

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Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	17.274	2450	2457	2463	rBV4	62301	104811	5.84%	0.468%
73	17.333	2463	2467	2472	rVB4	24195	33594	1.87%	0.150%
74	17.415	2478	2481	2484	rBV5	12089	17281	0.96%	0.077%
75	17.592	2503	2511	2521	rBV	797377	1283727	71.48%	5.733%
76	17.691	2521	2528	2546	rVB	871271	1410720	78.56%	6.300%
77	18.015	2580	2583	2591	rVB2	59524	77847	4.33%	0.348%
78	18.173	2608	2610	2613	rBV4	11778	13141	0.73%	0.059%
79	18.214	2614	2617	2622	rVB7	23768	31977	1.78%	0.143%
80	18.373	2641	2644	2647	rBV5	11970	16120	0.90%	0.072%
81	18.426	2649	2653	2663	rBV3	137857	200443	11.16%	0.895%
82	18.508	2665	2667	2672	rVB6	23648	35419	1.97%	0.158%
83	18.702	2696	2700	2705	rBV2	40762	57440	3.20%	0.257%
84	18.966	2738	2745	2751	rBV10	40801	86814	4.83%	0.388%
85	19.331	2803	2807	2809	rVB4	20138	25922	1.44%	0.116%
86	19.366	2810	2813	2823	rVV4	29117	72822	4.06%	0.325%
87	19.630	2853	2858	2863	rBV	45048	72406	4.03%	0.323%
88	19.683	2863	2867	2874	rVV9	44358	74042	4.12%	0.331%
89	19.760	2875	2880	2887	rVV7	59782	103636	5.77%	0.463%
90	19.901	2899	2904	2909	rBV8	49234	105018	5.85%	0.469%
91	19.965	2909	2915	2926	rVB	1148349	1795821	100.00%	8.020%
92	20.077	2929	2934	2942	rBV4	92954	174796	9.73%	0.781%
93	20.429	2990	2994	2996	rBV5	31145	47522	2.65%	0.212%
94	21.452	3163	3168	3180	rVB5	73096	199201	11.09%	0.890%
95	21.881	3233	3241	3248	rBV	903174	1686295	93.90%	7.531%
96	22.562	3352	3357	3363	rVB8	65609	112462	6.26%	0.502%
97	23.326	3480	3487	3498	rBV4	205947	479101	26.68%	2.140%
98	24.718	3717	3724	3732	rVB8	128422	321320	17.89%	1.435%
99	25.059	3774	3782	3797	rBV2	583390	1704819	94.93%	7.614%
100	25.300	3813	3823	3832	rVB2	518856	1533122	85.37%	6.847%

Sum of corrected areas: 22391659

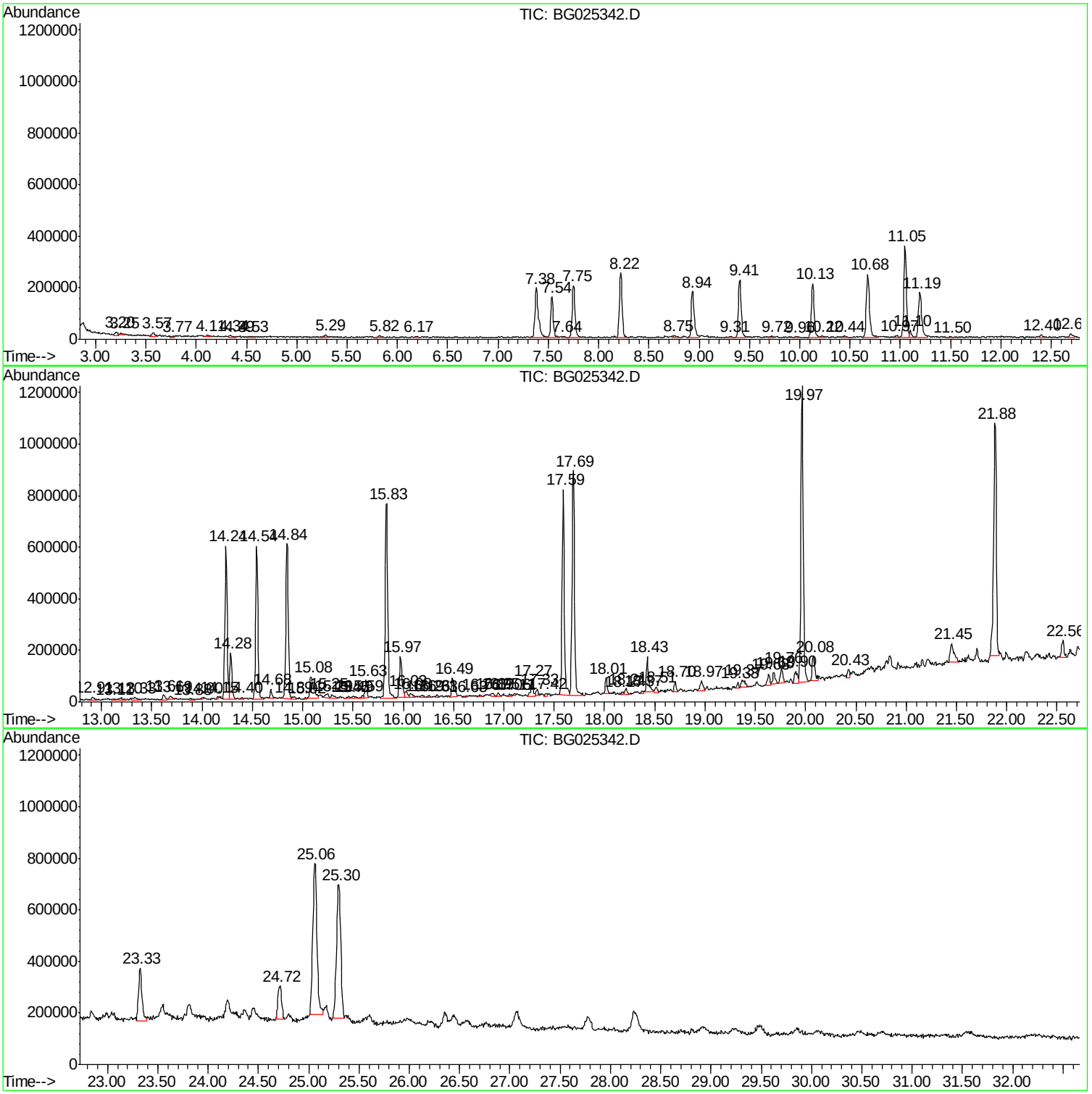
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
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Sample : H6069-08
Misc :
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

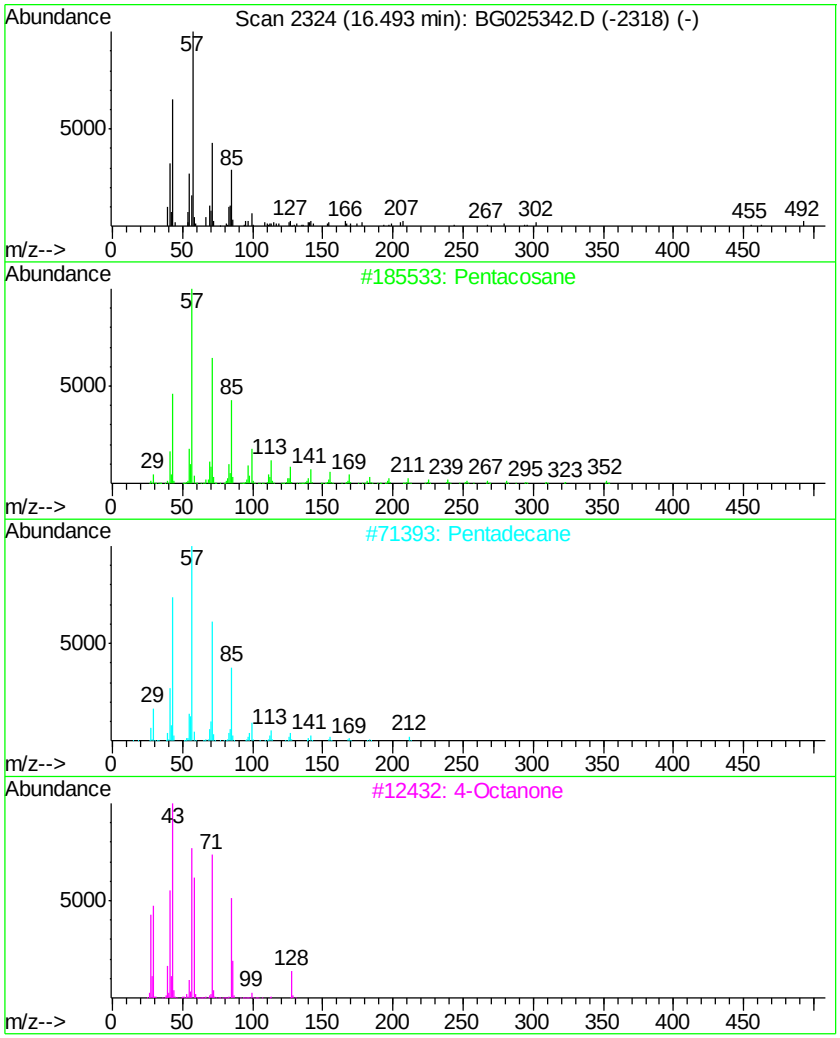
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

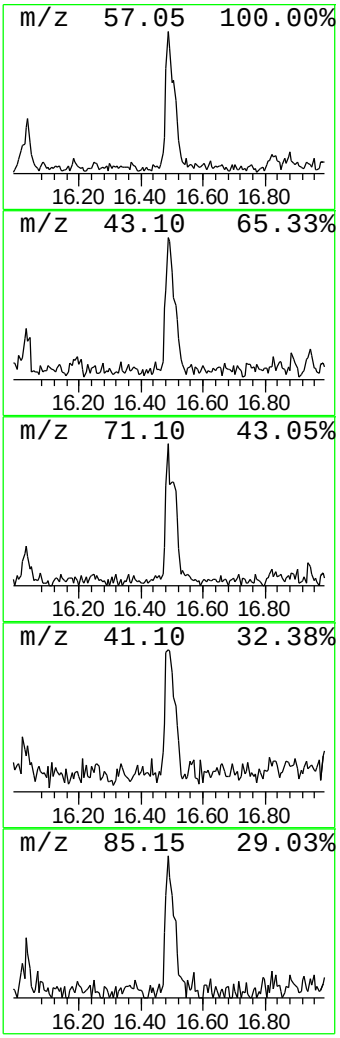
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.31 ng/ul	148079	Phenanthrene-d10	17.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	81
2	Pentadecane	212	C15H32	000629-62-9	64
3	4-Octanone	128	C8H16O	000589-63-9	59
4	Hexadecane	226	C16H34	000544-76-3	59
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

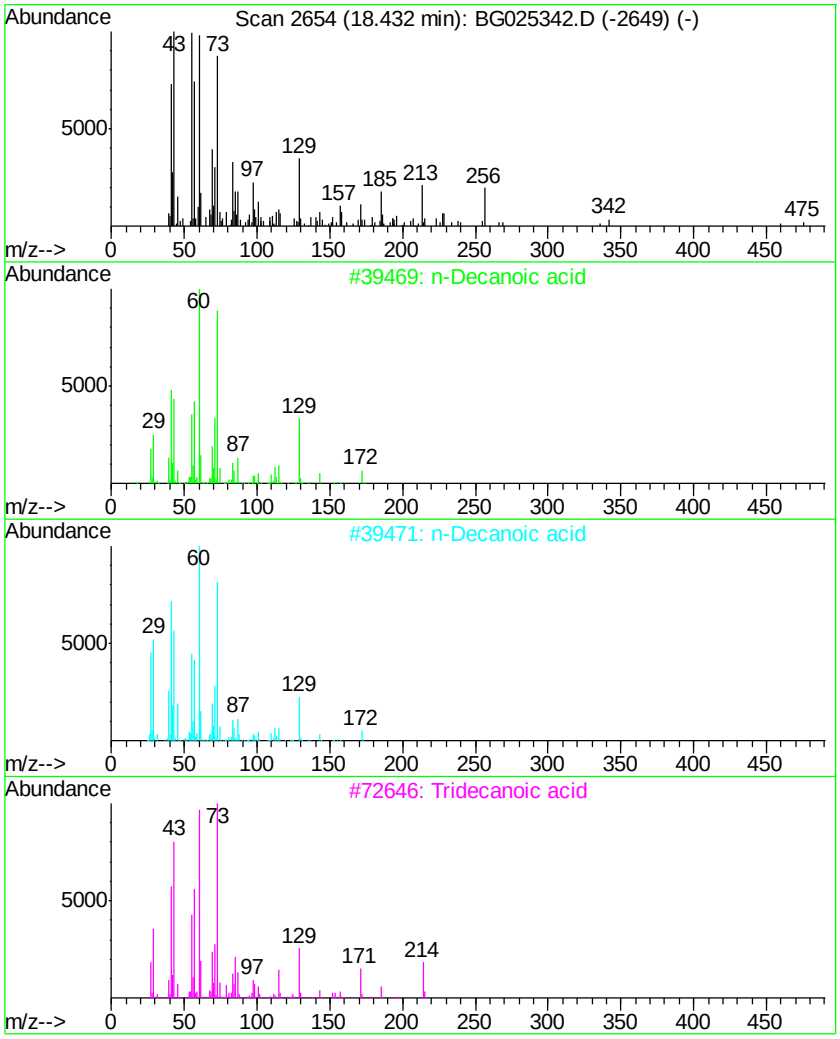
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

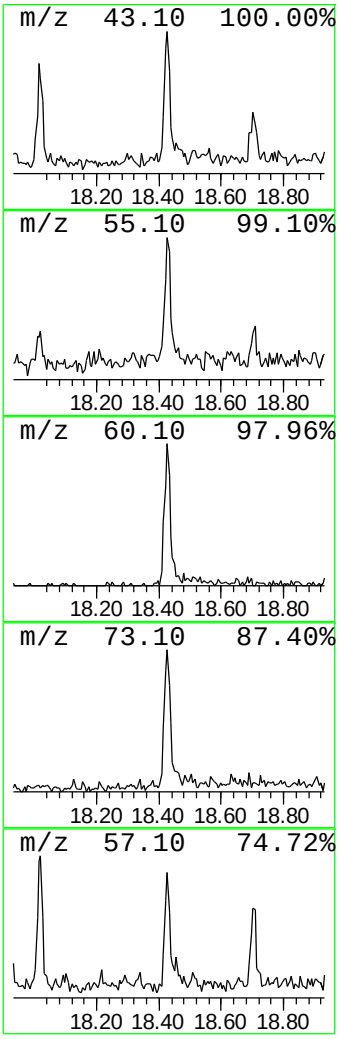
****

Peak Number 2 n-Decanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.12 ng/ul	200443	Phenanthrene-d10	17.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	58
2	n-Decanoic acid	172	C10H20O2	000334-48-5	58
3	Tridecanoic acid	214	C13H26O2	000638-53-9	53
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	12-Bromododecanoic acid	278	C12H23BrO2	073367-80-3	50





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Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
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Instrument : BNA_G
ClientSampleId : DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

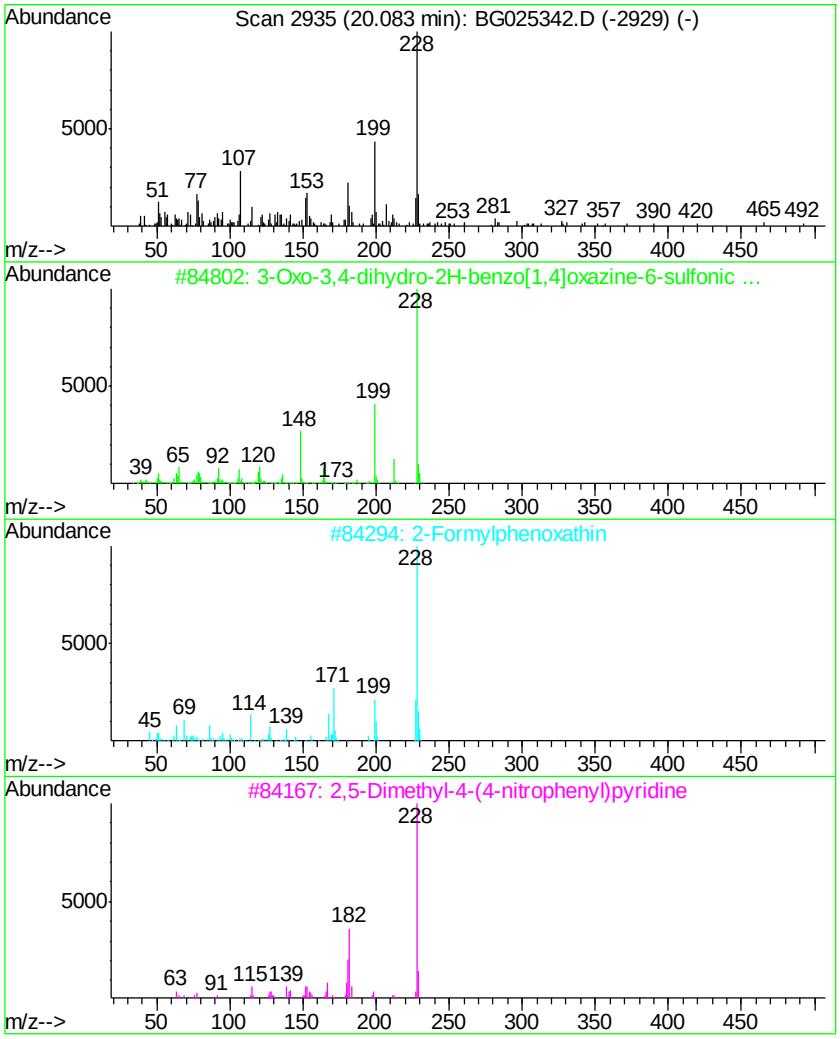
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

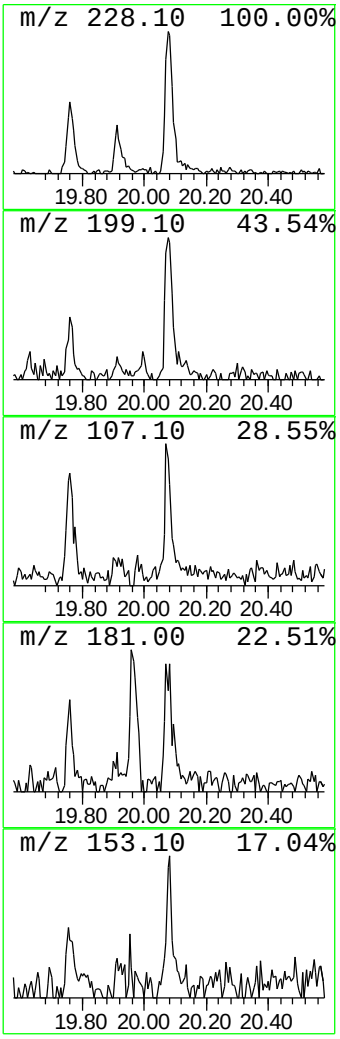
****

Peak Number 3 3-Oxo-3,4-dihydro-2H-benzo[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.07 ng/ul	174796	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxo-3,4-dihydro-2H-benzo[1,4]o...	228	C8H8N2O4S	027320-80-5	53
2	2-Formylphenoxathin	228	C13H8O2S	037947-92-5	53
3	2,5-Dimethyl-4-(4-nitrophenyl)py...	228	C13H12N2O2	059195-23-2	50
4	Formic acid, (3-phenoxyphenyl)me...	228	C14H12O3	1000368-97-0	49
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

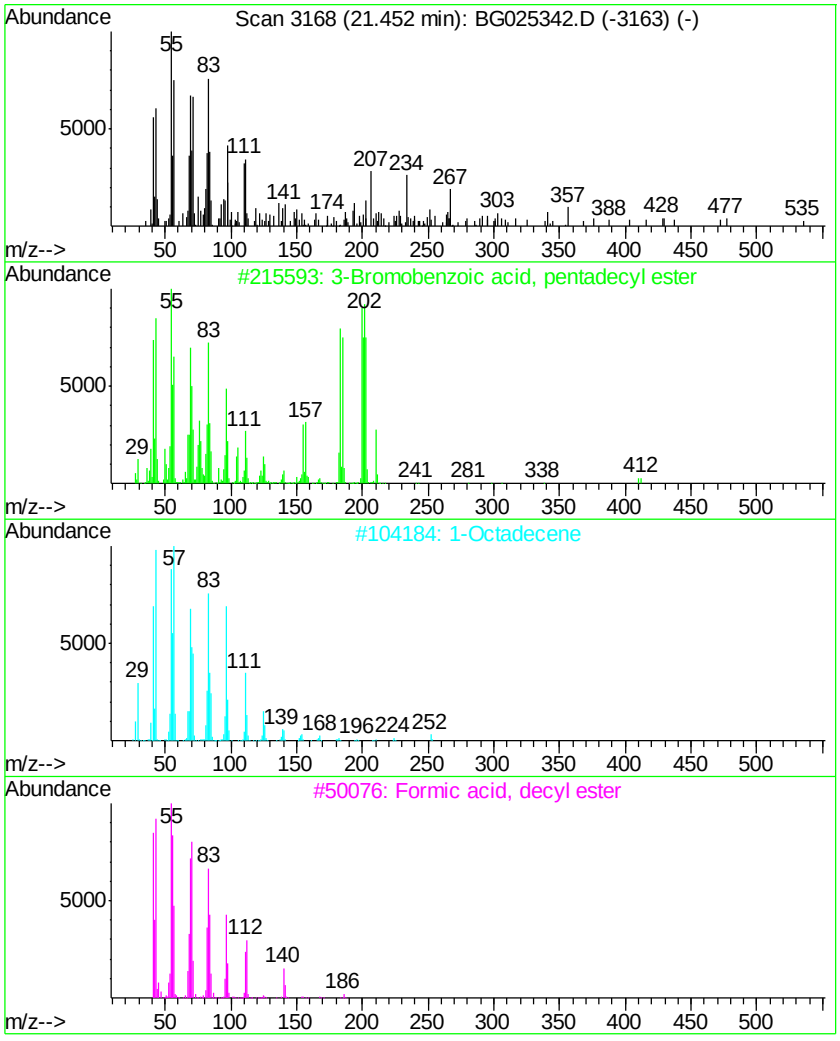
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

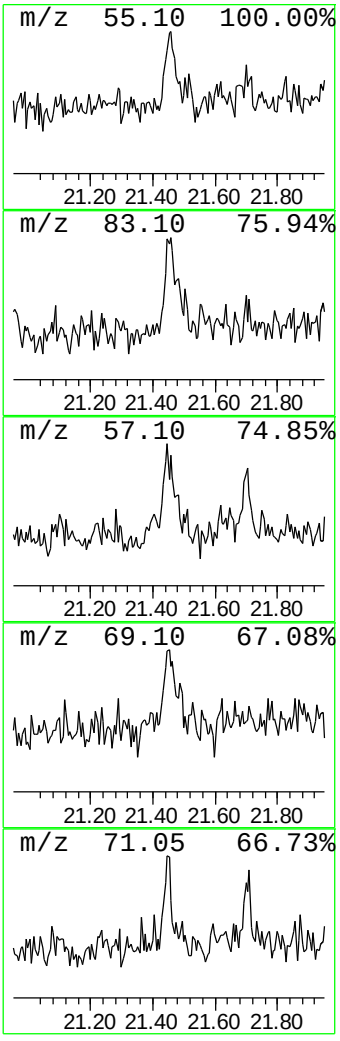
****

Peak Number 4 3-Bromobenzoic acid, pentad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.36 ng/ul	199201	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Bromobenzoic acid, pentadecyl ...	410	C22H35BrO2	1000281-95-1	91
2	1-Octadecene	252	C18H36	000112-88-9	70
3	Formic acid, decyl ester	186	C11H22O2	005451-52-5	68
4	2-Heptadecenal	252	C17H32O	1000143-48-6	68
5	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

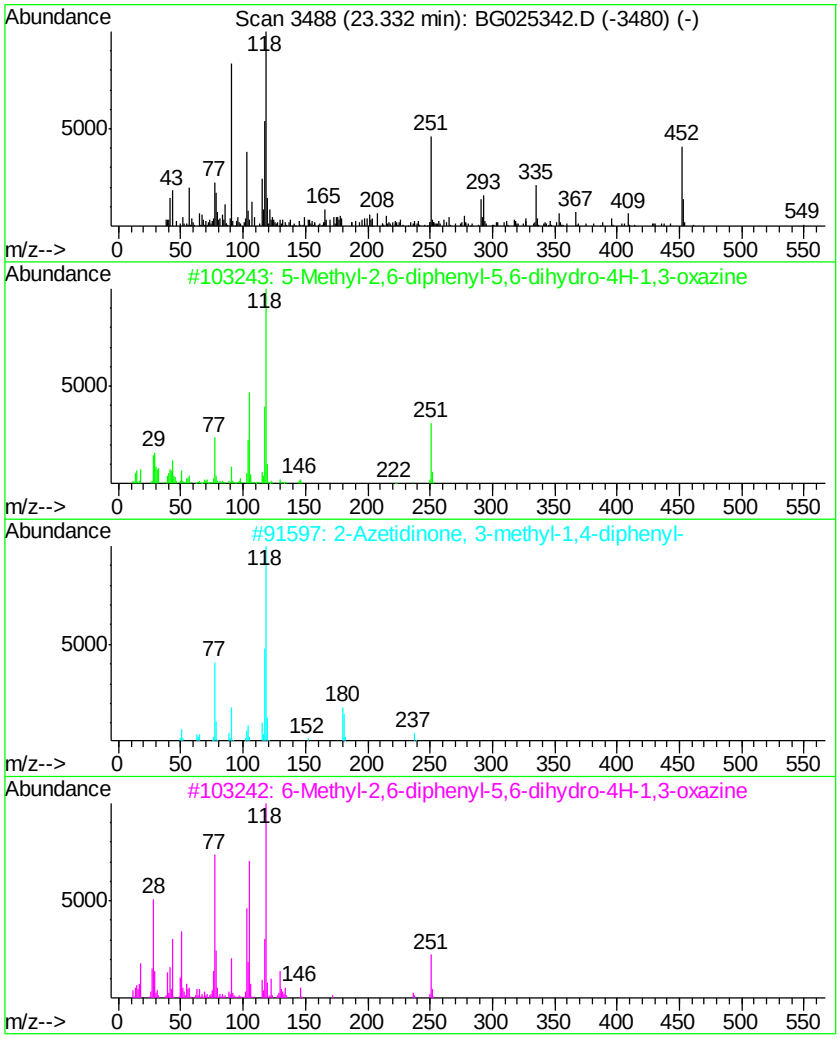
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

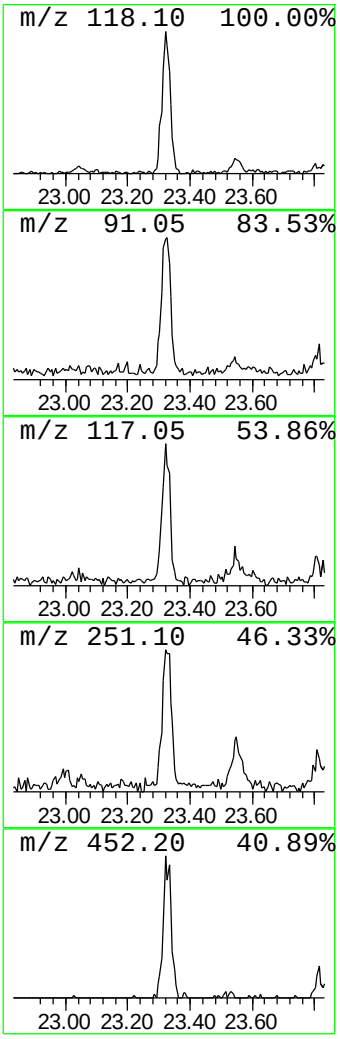
****

Peak Number 5 5-Methyl-2,6-diphenyl-5,6-d... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.33	5.68 ng/ul	479101	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-2,6-diphenyl-5,6-dihydr...	251	C17H17NO	023665-17-0	64
2	2-Azetidinone, 3-methyl-1,4-diph...	237	C16H15NO	007468-12-4	55
3	6-Methyl-2,6-diphenyl-5,6-dihydr...	251	C17H17NO	122035-87-4	49
4	4-Chlorobenzoic acid, 3-phenylpr...	274	C16H15ClO2	150272-45-0	46
5	Phosphoric acid, tri(2-isopropyl...	452	C27H33O4P	064532-95-2	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

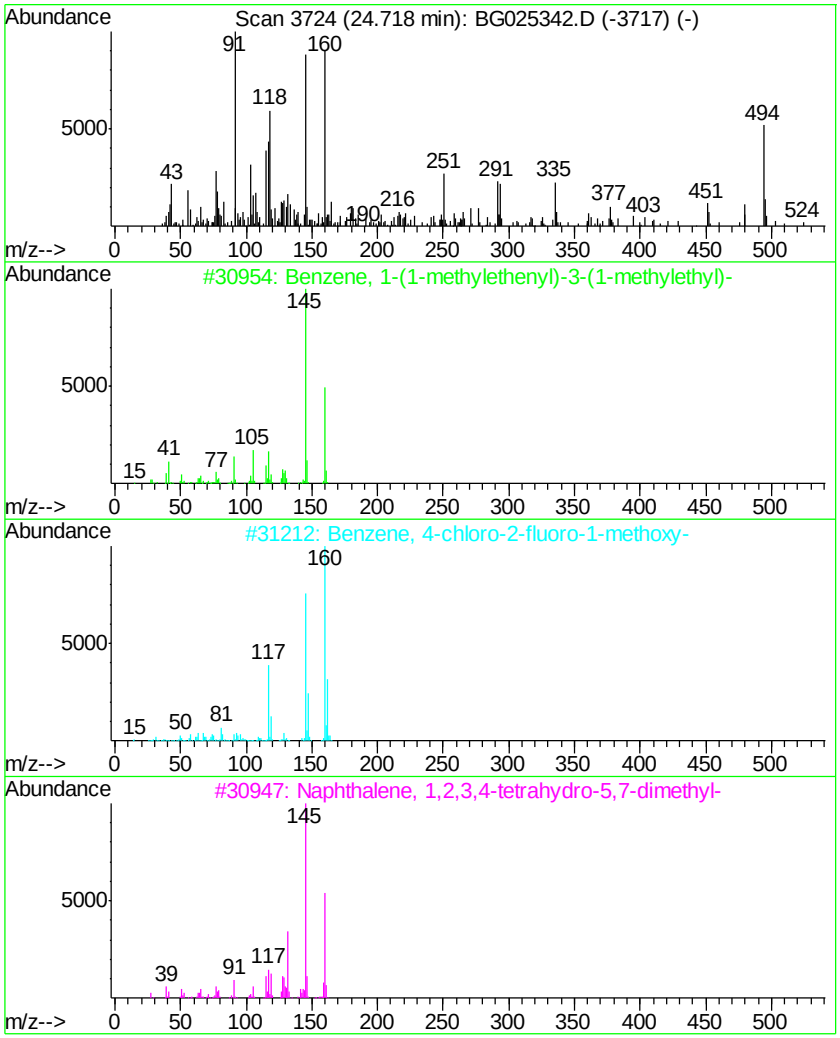
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

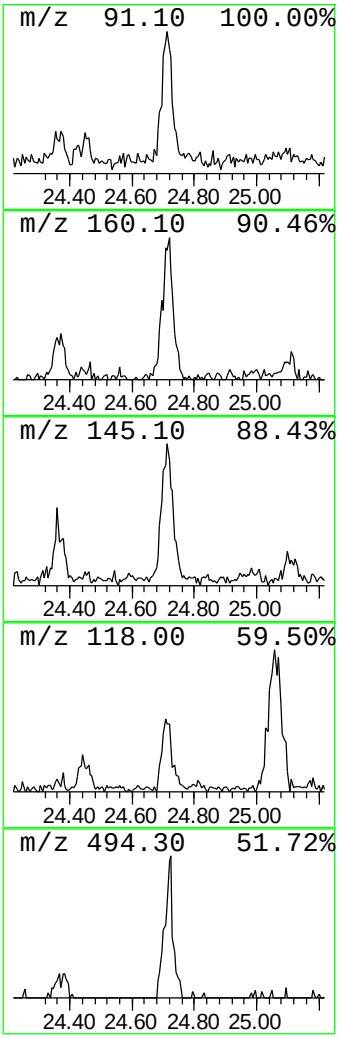
****

Peak Number 6 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.72	4.19 ng/ul	321320	Perylene-d12	25.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	43
2	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	38
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	38
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	38
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121916\
Data File : BG025342.D
Acq On : 20 Dec 2016 6:50
Operator : UM/SJ
Sample : H6069-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8X8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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
(DEL) Alkane: Str...	16.49	2.3	ng/ul	148079	4	17.59	1283730	20.0
n-Decanoic acid	18.43	3.1	ng/ul	200443	4	17.59	1283730	20.0
3-Oxo-3,4-dihydro...	20.08	2.1	ng/ul	174796	5	21.89	1686300	20.0
3-Bromobenzoic ac...	21.45	2.4	ng/ul	199201	5	21.89	1686300	20.0
5-Methyl-2,6-diph...	23.33	5.7	ng/ul	479101	5	21.89	1686300	20.0
unknown-01	24.72	4.2	ng/ul	321320	6	25.29	1533120	20.0