LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

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\SOM-EPA-BG080217.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	4.326	120	125	131	rVV5	3531	6769	0.55%	0.062%
2	4.443	143	145	150	rBV4	2753	3746	0.30%	0.034%
3	5.460	314	318	321	rVB4	2474	3978	0.32%	0.036%
4	6.417	473	481	488	rBV3	2114	5767	0.47%	0.052%
5	6.999	575	580	585	rVB3	2405	5013	0.41%	0.046%
6	7.499	658	665	676	rBV2	30399	65339	5.29%	0.594%
7	7.657	685	692	699	rBV2	21154	38001	3.08%	0.345%
8	7.875	720	729	740	rBV2	29020	59149	4.79%	0.538%
9	8.339	800	808	819	rVV	128449	235200	19.06%	2.138%
10	9.038	921	927	944	rVV3	37922	73141	5.93%	0.665%
11	9.508	998	1007	1017	rBV3	29430	60865	4.93%	0.553%
12	10.237	1121	1131	1141	rVB4	25656	50617	4.10%	0.460%
13	10.783	1214	1224	1235	rBV4	35738	77896	6.31%	0.708%
14	11.159	1279	1288	1295	rBV	201295	372350	30.17%	3.385%
15	11.300	1305	1312	1330	rVB3	12561	31866	2.58%	0.290%
16	12.651	1538	1542	1548	rVV4	2565	4088	0.33%	0.037%
17	12.798	1560	1567	1575	rBV4	9062	17189	1.39%	0.156%
18	13.010	1598	1603	1611	rBV4	6461	12584	1.02%	0.114%
19	13.985	1764	1769	1772	rVB5	2985	5267	0.43%	0.048%
20	14.114	1786	1791	1799	rVB4	4290	9882	0.80%	0.090%
21	14.267	1809	1817	1823	rBV4	5730	12232	0.99%	0.111%
22	14.338	1823	1829	1833	rVV	82499	130249	10.55%	1.184%
23	14.385	1833	1837	1845	rVB	30977	46412	3.76%	0.422%
24	14.496	1853	1856	1866	rBV2	3443	6455	0.52%	0.059%
25	14.643	1875	1881	1894	rBV	83190	141868	11.49%	1.290%
26	14.949	1921	1933	1940	rVV2	343854	562625	45.58%	5.114%
27	15.013	1940	1944	1951	rVB	44599	70831	5.74%	0.644%
28	15.160	1962	1969	1981	rBV4	18285	46307	3.75%	0.421%
29	15.260	1981	1986	1991	rVV5	5188	9314	0.75%	0.085%
30	15.342	1991	2000	2008	rVB	36657	69347	5.62%	0.630%
31	15.413	2008	2012	2018	rVB2	2805	5978	0.48%	0.054%
32	15.560	2028	2037	2040	rBV5	2154	4324	0.35%	0.039%
33	15.601	2040	2044	2053	rVB4	2417	4514	0.37%	0.041%
34	15.936	2092	2101	2106	rVV	114882	186179	15.08%	1.692%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

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\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	15.994	2106	2111	2117	rVB	68814	109989	8.91%	1.000%
36	16.059	2117	2122	2128	rBV6	21437	39208	3.18%	0.356%
37	16.118	2129	2132	2134	rVV3	5788	7777	0.63%	0.071%
38	16.147	2134	2137	2144	rVB6	10918	16701	1.35%	0.152%
39	16.212	2145	2148	2150	rVV3	3937	4299	0.35%	0.039%
40	16.247	2150	2154	2156	rVV4	5993	8463	0.69%	0.077%
41	16.282	2156	2160	2168	rVB3	13485	21925	1.78%	0.199%
42	16.429	2179	2185	2193	rBV3	14182	32362	2.62%	0.294%
43	16.512	2198	2199	2205	rVB2	3440	4716	0.38%	0.043%
44	16.635	2212	2220	2224	rBV6	4958	12473	1.01%	0.113%
45	16.788	2240	2246	2251	rBV4	4369	9027	0.73%	0.082%
46	16.993	2270	2281	2287	rBV6	14090	35774	2.90%	0.325%
47	17.046	2287	2290	2296	rVB5	5847	9136	0.74%	0.083%
48	17.146	2302	2307	2312	rVB4	6015	10105	0.82%	0.092%
49	17.211	2312	2318	2322	rBV7	5648	12048	0.98%	0.110%
50	17.269	2323	2328	2335	rVB7	5468	11355	0.92%	0.103%
51	17.352	2337	2342	2348	rVB6	7842	12456	1.01%	0.113%
52	17.446	2348	2358	2363	rBV8	16629	43403	3.52%	0.395%
53	17.516	2365	2370	2379	rVB2	27162	43836	3.55%	0.398%
54	17.616	2384	2387	2389	rBV2	3655	4236	0.34%	0.039%
55	17.698	2394	2401	2405	rVV	448818	723132	58.59%	6.574%
56	17.740	2405	2408	2414	rVV	484140	716692	58.07%	6.515%
57	17.798	2414	2418	2421	rVV2	132906	221964	17.98%	2.018%
58	17.834	2421	2424	2429	rVV	113408	163119	13.22%	1.483%
59	17.886	2429	2433	2438	rVB3	9350	18644	1.51%	0.169%
60	18.098	2461	2469	2476	rBV	53848	107174	8.68%	0.974%
61	18.210	2484	2488	2490	rBV4	6899	8683	0.70%	0.079%
62	18.280	2497	2500	2505	rBV5	6254	7683	0.62%	0.070%
63	18.415	2519	2523	2530	rVB5	5880	12449	1.01%	0.113%
64	18.568	2541	2549	2554	rBV3	56425	94782	7.68%	0.862%
65	18.615	2554	2557	2564	rVB	77191	116329	9.43%	1.057%
66	18.697	2564	2571	2576	rBV3	30296	51607	4.18%	0.469%
67	18.768	2576	2583	2593	rBV2	71882	184888	14.98%	1.681%
68	18.862	2596	2599	2603	rBV3	8658	11803	0.96%	0.107%
69	18.909	2603	2607	2611	rBV6	8700	13919	1.13%	0.127%
70	18.962	2612	2616	2619	rVV6	5024	6679	0.54%	0.061%
71	19.003	2619	2623	2627	rVB6	5260	8428	0.68%	0.077%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

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\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	19.056	2627	2632	2636	rBV	37455	57082	4.62%	0.519%
73	19.108	2637	2641	2648	rVB6	15379	20316	1.65%	0.185%
74	19.173	2649	2652	2657	rVB6	6272	11654	0.94%	0.106%
75	19.296	2667	2673	2679	rBV9	12885	27121	2.20%	0.247%
76	19.349	2679	2682	2685	rVV3	12984	13788	1.12%	0.125%
77	19.396	2686	2690	2693	rVB6	9287	12835	1.04%	0.117%
78	19.473	2697	2703	2709	rBV6	22247	43944	3.56%	0.399%
79	19.549	2709	2716	2722	rVB6	13459	38567	3.12%	0.351%
80	19.620	2722	2728	2735	rBV6	11353	35180	2.85%	0.320%
81	19.737	2741	2748	2754	rBV	455891	671525	54.41%	6.104%
82	19.925	2777	2780	2785	rBV7	8054	16585	1.34%	0.151%
83	19.984	2788	2790	2797	rVB3	14530	21857	1.77%	0.199%
84	20.072	2799	2805	2807	rBV2	238500	405474	32.85%	3.686%
85	20.101	2807	2810	2817	rVV	348258	484430	39.25%	4.404%
86	20.160	2817	2820	2827	rVB	26337	41906	3.40%	0.381%
87	20.272	2835	2839	2845	rVB	31076	38659	3.13%	0.351%
88	20.342	2846	2851	2856	rVB2	19314	32886	2.66%	0.299%
89	20.413	2857	2863	2870	rBV3	33332	86894	7.04%	0.790%
90	20.489	2871	2876	2878	rBV5	12693	25204	2.04%	0.229%
91	20.583	2881	2892	2899	rVB	98410	189045	15.32%	1.718%
92	20.683	2903	2909	2913	rBV2	92978	151374	12.26%	1.376%
93	22.029	3128	3138	3143	rBV2	516689	1234251	100.00%	11.220%
94	22.076	3143	3146	3158	rVB	173716	325802	26.40%	2.962%
95	22.246	3171	3175	3183	rVB5	28861	58035	4.70%	0.528%
96	24.426	3536	3546	3566	rVB2	99918	493847	40.01%	4.489%
97	25.207	3673	3679	3686	rBV4	40658	98945	8.02%	0.899%
98	25.295	3688	3694	3699	rVB3	46950	102085	8.27%	0.928%
99	25.366	3701	3706	3718	rVB3	77269	210161	17.03%	1.910%
100	25.536	3726	3735	3748	rVB	226973	698648	56.61%	6.351%

Sum of corrected areas: 11000706

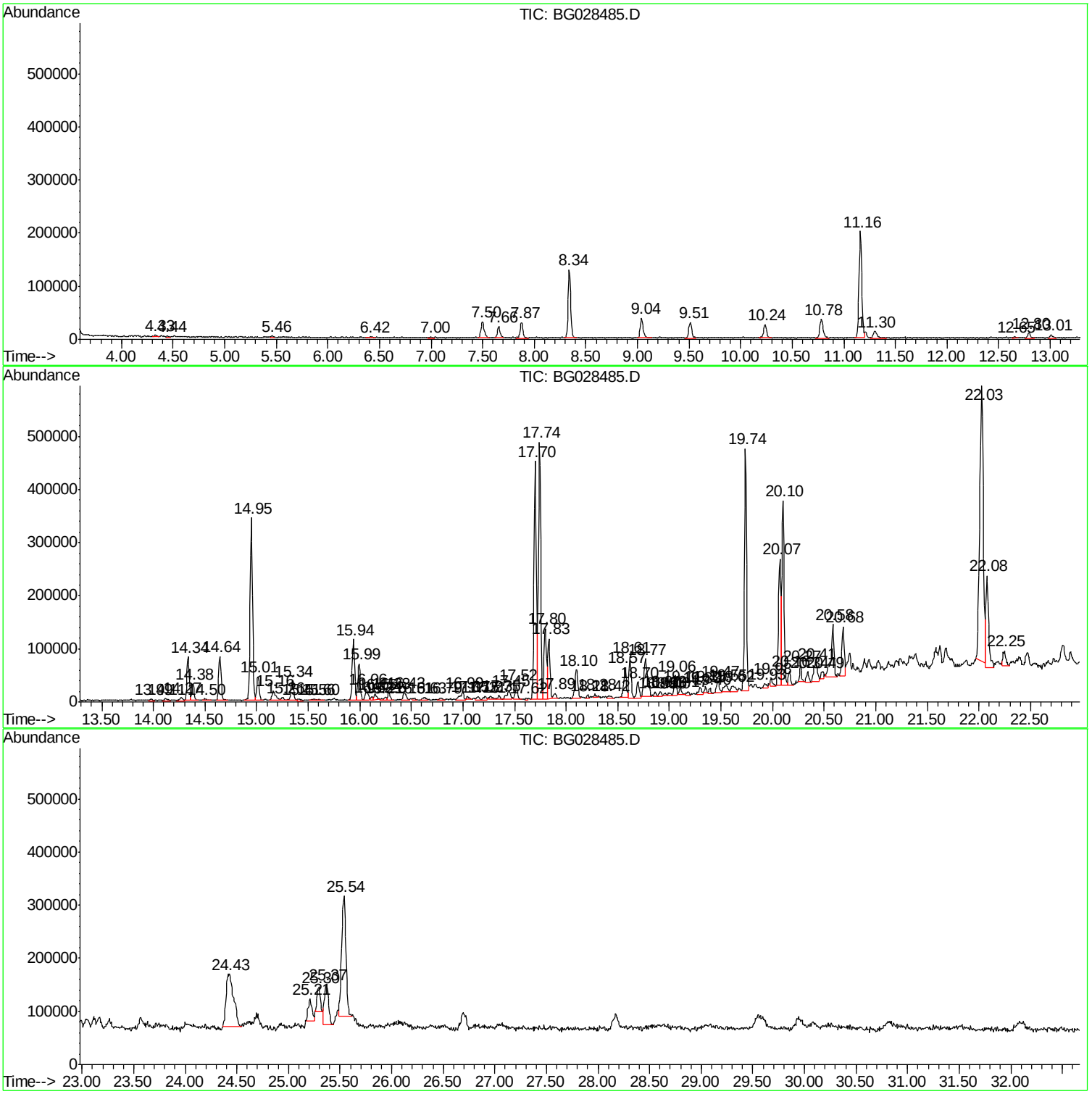
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

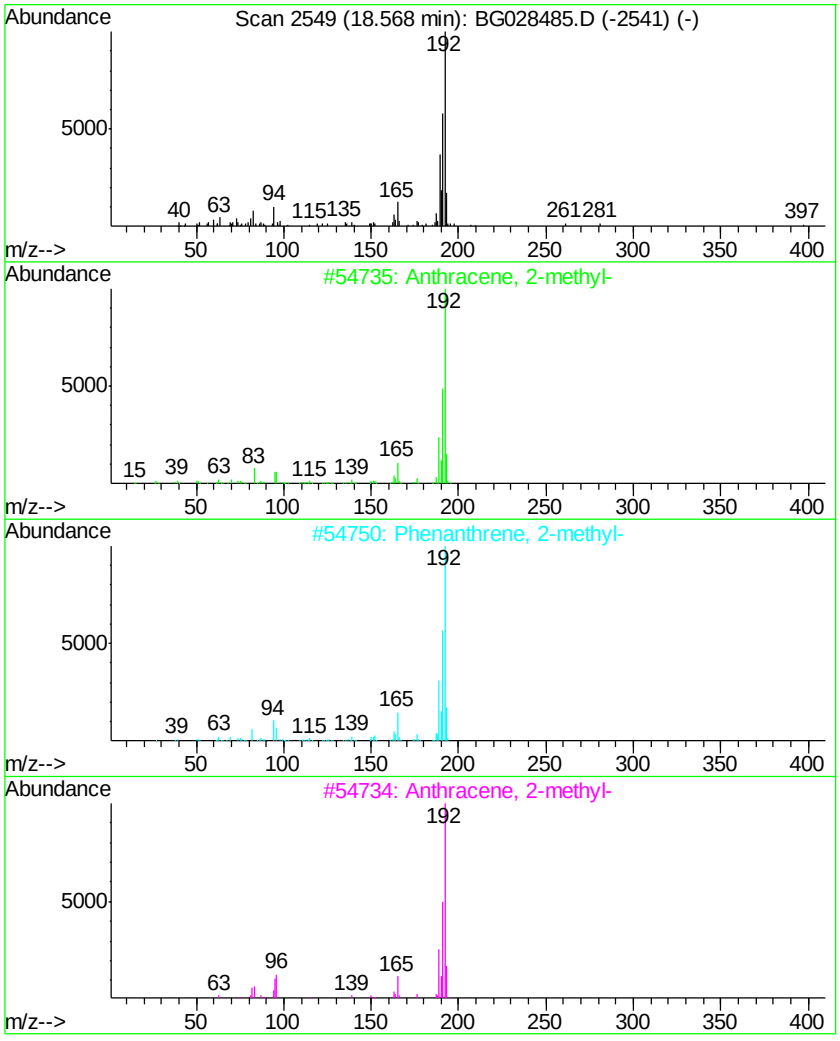
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

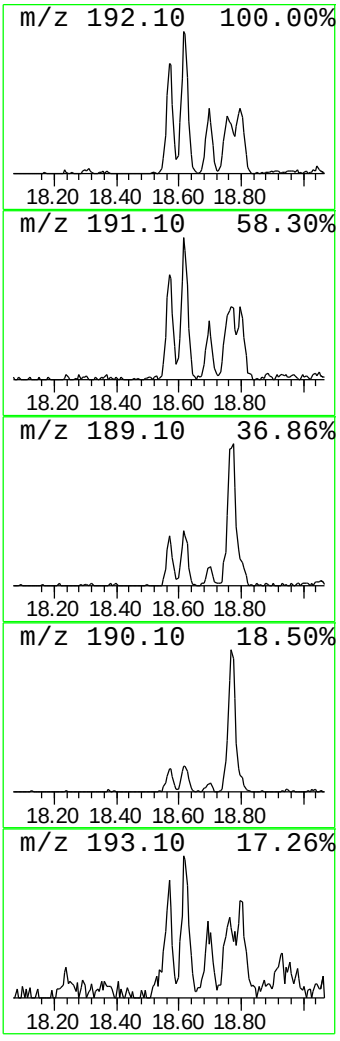
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.62 ng/ul	94782	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

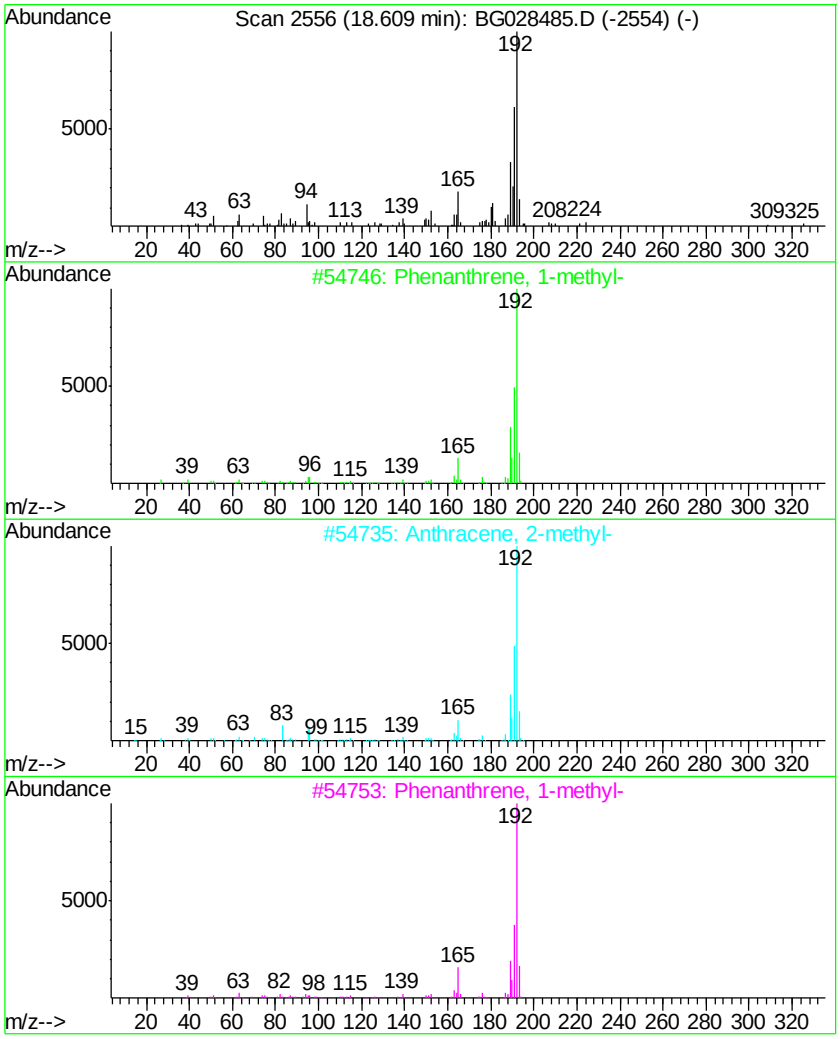
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

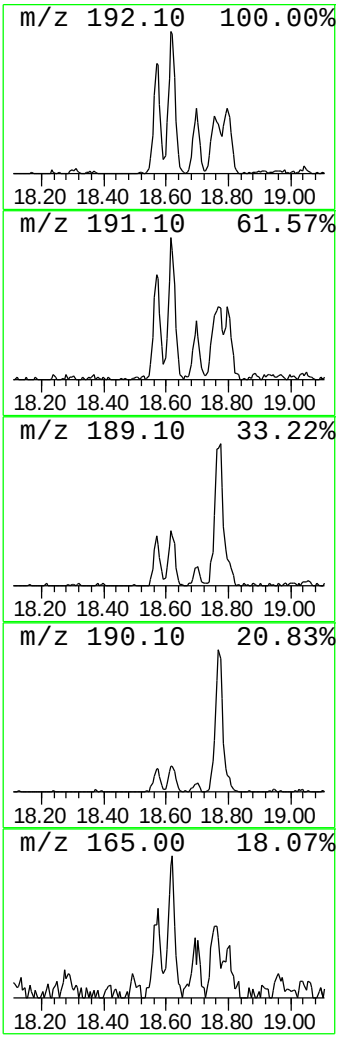
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	3.22 ng/ul	116329	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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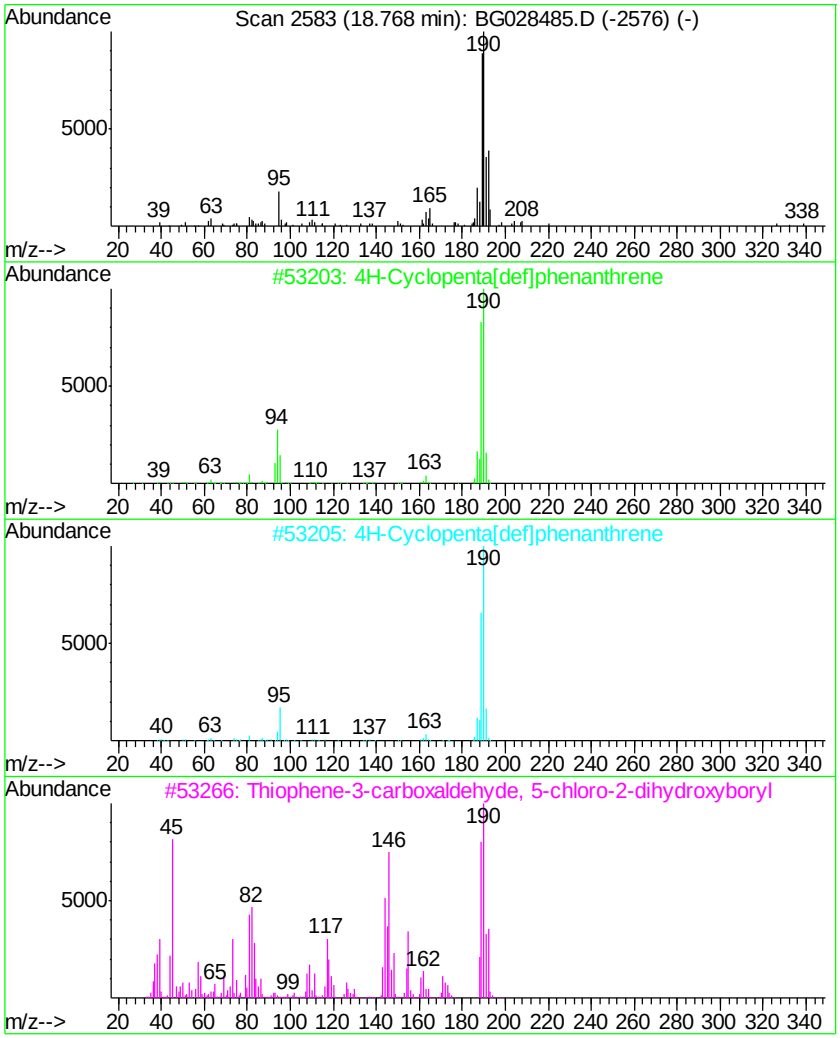
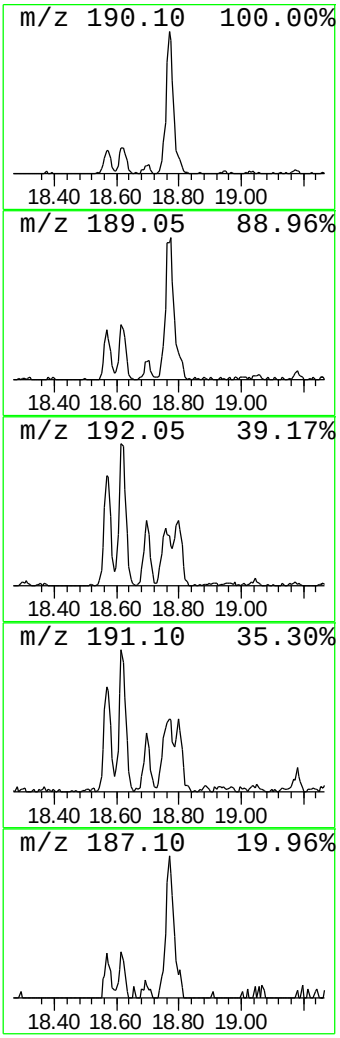
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	5.11 ng/ul	184888	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

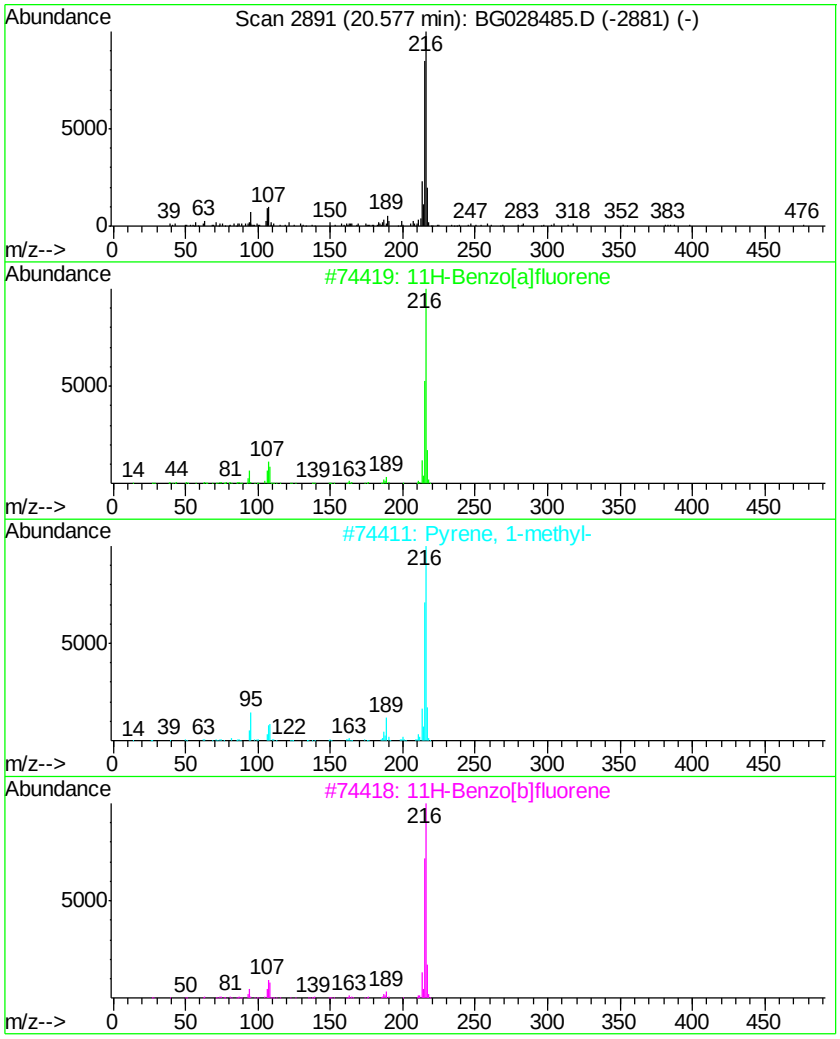
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

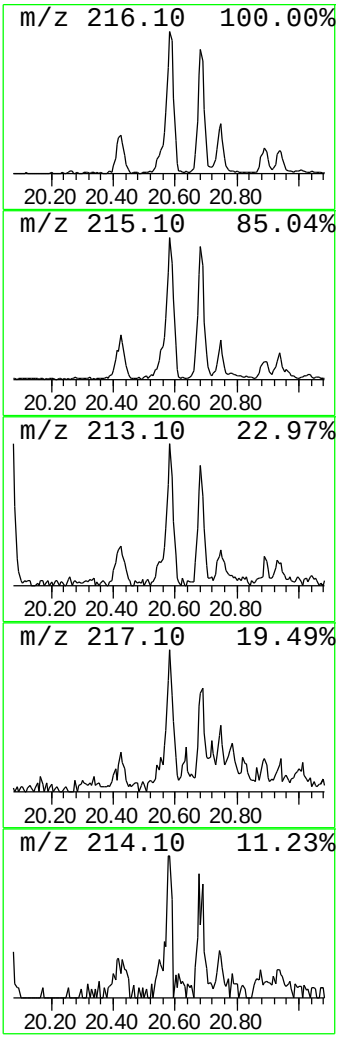
****

Peak Number 4 11H-Benzo[a]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	3.06 ng/ul	189045	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

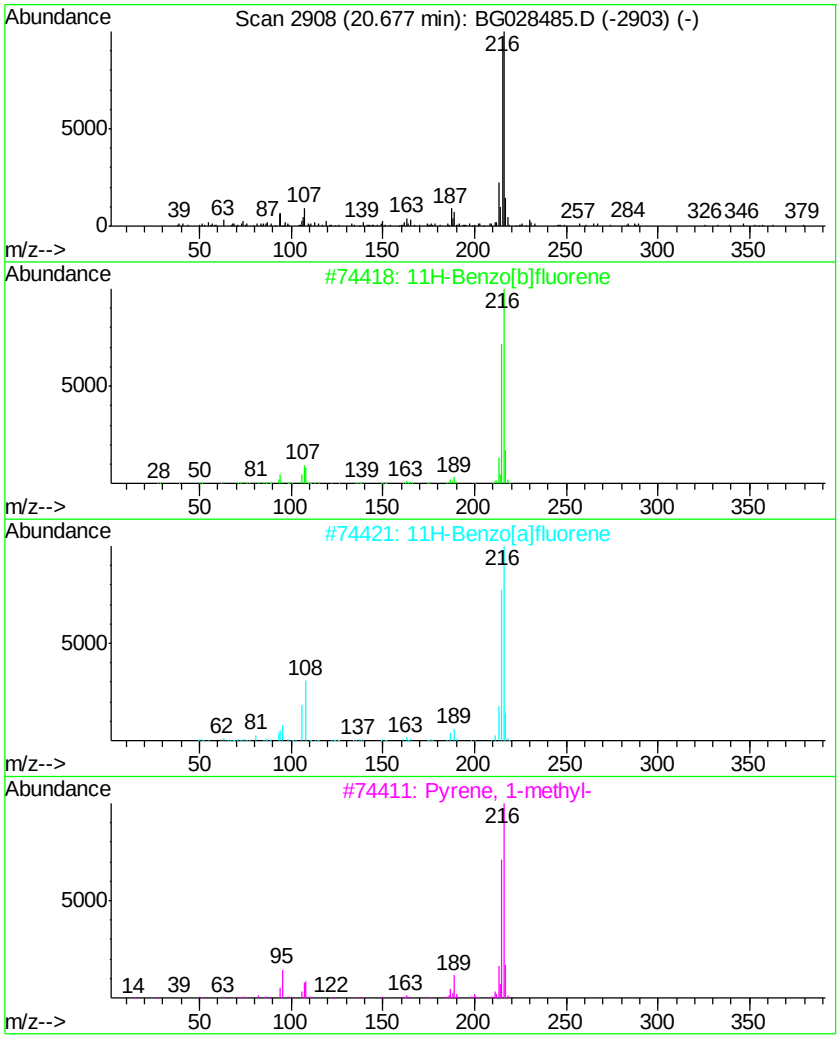
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

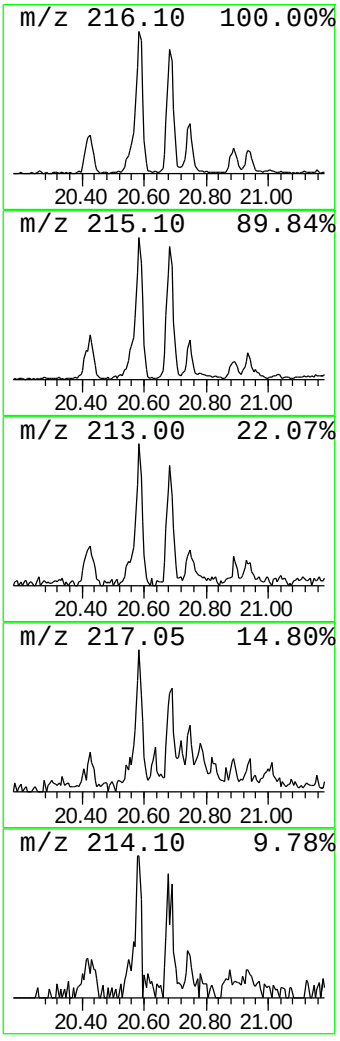
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	2.45 ng/ul	151374	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028485.D
Acq On : 25 Aug 2017 10:06
Operator : SJ/JU
Sample : I4840-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
Anthracene, 2-met...	18.57	2.6	ng/ul	94782	4	17.70	723132	20.0
Phenanthrene, 1-m...	18.61	3.2	ng/ul	116329	4	17.70	723132	20.0
4H-Cyclopenta[def...	18.77	5.1	ng/ul	184888	4	17.70	723132	20.0
11H-Benzo[a]fluorene	20.58	3.1	ng/ul	189045	5	22.03	1234250	20.0
11H-Benzo[b]fluorene	20.68	2.5	ng/ul	151374	5	22.03	1234250	20.0