LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.154	7	11	21	rBV2	64083	116742	4.71%	0.347%
2	3.231	21	24	30	rVB	33960	43785	1.77%	0.130%
3	5.669	433	439	446	rBV	173555	283528	11.43%	0.843%
4	7.273	705	712	727	rBV	194963	367485	14.82%	1.093%
5	7.661	772	778	786	rBV	185524	328010	13.23%	0.976%
6	8.143	851	860	868	rBV	233543	394631	15.92%	1.174%
7	8.466	907	915	921	rBV2	135719	239129	9.64%	0.711%
8	9.312	1052	1059	1069	rBV	118963	221686	8.94%	0.659%
9	10.963	1333	1340	1346	rBV	319614	584644	23.58%	1.739%
10	11.016	1346	1349	1355	rVB2	34533	54710	2.21%	0.163%
11	12.608	1613	1620	1626	rBV2	32384	50497	2.04%	0.150%
12	12.825	1651	1657	1666	rVB	35222	60099	2.42%	0.179%
13	13.389	1744	1753	1761	rBV	322079	493439	19.90%	1.468%
14	14.089	1866	1872	1877	rBV3	33321	57717	2.33%	0.172%
15	14.212	1887	1893	1898	rVB	39408	60539	2.44%	0.180%
16	14.494	1936	1941	1952	rBV3	33577	71551	2.89%	0.213%
17	14.770	1978	1988	1994	rBV2	521167	867258	34.98%	2.580%
18	14.835	1994	1999	2005	rVB2	65379	101734	4.10%	0.303%
19	15.164	2049	2055	2062	rVB3	62457	106984	4.31%	0.318%
20	15.228	2062	2066	2072	rBV6	22288	35552	1.43%	0.106%
21	15.369	2085	2090	2096	rBV4	19999	38584	1.56%	0.115%
22	15.569	2121	2124	2129	rVB2	33511	46453	1.87%	0.138%
23	15.810	2160	2165	2173	rVB2	136030	218999	8.83%	0.651%
24	15.975	2188	2193	2197	rVB6	28365	48617	1.96%	0.145%
25	16.098	2210	2214	2220	rVB2	29729	55137	2.22%	0.164%
26	16.251	2235	2240	2246	rVV2	271315	425714	17.17%	1.266%
27	16.433	2267	2271	2279	rBV4	39819	99559	4.02%	0.296%
28	16.809	2325	2335	2340	rBV2	49580	107715	4.34%	0.320%
29	16.856	2340	2343	2349	rVV4	23273	36445	1.47%	0.108%
30	16.956	2355	2360	2366	rVB5	22814	39727	1.60%	0.118%
31	17.032	2366	2373	2376	rBV8	21616	45947	1.85%	0.137%
32	17.162	2392	2395	2399	rVB4	25654	39981	1.61%	0.119%
33	17.226	2402	2406	2411	rVV3	58445	88662	3.58%	0.264%
34	17.273	2411	2414	2418	rVV4	20861	34955	1.41%	0.104%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
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Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.332	2419	2424	2431	rVB	68735	107426	4.33%	0.320%
36	17.514	2449	2455	2458	rBV	662377	1015337	40.95%	3.020%
37	17.555	2458	2462	2469	rVV	947041	1427550	57.57%	4.246%
38	17.649	2472	2478	2482	rVV	234347	368094	14.85%	1.095%
39	17.696	2484	2486	2491	rVB2	29156	39038	1.57%	0.116%
40	17.914	2517	2523	2528	rBV	63276	113199	4.57%	0.337%
41	17.966	2528	2532	2538	rVB2	43217	66504	2.68%	0.198%
42	18.025	2538	2542	2546	rBV3	38887	61217	2.47%	0.182%
43	18.090	2548	2553	2557	rVV	35267	57709	2.33%	0.172%
44	18.143	2557	2562	2570	rVV	382569	472369	19.05%	1.405%
45	18.237	2573	2578	2584	rBV4	27804	53464	2.16%	0.159%
46	18.384	2595	2603	2607	rBV	159445	324857	13.10%	0.966%
47	18.431	2607	2611	2618	rVB	210479	294398	11.87%	0.876%
48	18.513	2620	2625	2630	rVV2	79213	112362	4.53%	0.334%
49	18.583	2630	2637	2641	rVV2	275037	535974	21.62%	1.594%
50	18.613	2641	2642	2646	rVV	110406	106519	4.30%	0.317%
51	18.654	2646	2649	2653	rVV3	29800	41664	1.68%	0.124%
52	18.877	2682	2687	2691	rVV	119841	174421	7.03%	0.519%
53	18.924	2691	2695	2700	rVB	75072	103574	4.18%	0.308%
54	19.118	2720	2728	2733	rBV6	45904	95487	3.85%	0.284%
55	19.165	2733	2736	2739	rBV	41298	51460	2.08%	0.153%
56	19.206	2740	2743	2750	rVB	36741	46014	1.86%	0.137%
57	19.277	2750	2755	2758	rBV2	1269402	1675647	67.58%	4.984%
58	19.312	2758	2761	2765	rVB	1415753	1650079	66.55%	4.908%
59	19.435	2777	2782	2788	rBV2	254909	350070	14.12%	1.041%
60	19.518	2793	2796	2797	rBV3	38437	43293	1.75%	0.129%
61	19.559	2797	2803	2809	rVB	1638475	2348500	94.72%	6.986%
62	19.612	2809	2812	2815	rBV	32274	54287	2.19%	0.161%
63	19.706	2825	2828	2831	rBV	30638	32262	1.30%	0.096%
64	19.805	2837	2845	2851	rBV3	89932	189666	7.65%	0.564%
65	19.882	2851	2858	2860	rVV2	244815	379144	15.29%	1.128%
66	19.923	2860	2865	2871	rVV	1391845	2033951	82.03%	6.050%
67	19.982	2871	2875	2880	rVB2	89269	131939	5.32%	0.392%
68	20.105	2890	2896	2900	rBV2	529507	721889	29.11%	2.147%
69	20.158	2901	2905	2910	rVB2	55939	91476	3.69%	0.272%
70	20.246	2912	2920	2924	rBV4	118734	296482	11.96%	0.882%
71	20.299	2924	2929	2931	rBV3	68521	96069	3.87%	0.286%

LSC Area Percent Report

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Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.405	2935	2947	2952	rVB	293088	662004	26.70%	1.969%
73	20.505	2959	2964	2969	rBV	239511	370341	14.94%	1.102%
74	20.563	2971	2974	2978	rVB	130216	171287	6.91%	0.510%
75	20.634	2984	2986	2991	rVB5	25961	32200	1.30%	0.096%
76	20.704	2994	2998	3001	rBV	94167	131989	5.32%	0.393%
77	20.746	3002	3005	3013	rVB	111194	184907	7.46%	0.550%
78	20.840	3014	3021	3024	rBV9	32752	77852	3.14%	0.232%
79	21.122	3066	3069	3073	rBV4	38267	59275	2.39%	0.176%
80	21.174	3074	3078	3084	rVB2	96312	175695	7.09%	0.523%
81	21.362	3106	3110	3114	rBV	110293	150603	6.07%	0.448%
82	21.409	3114	3118	3122	rVV2	108930	160597	6.48%	0.478%
83	21.456	3122	3126	3131	rVV2	109439	179853	7.25%	0.535%
84	21.515	3131	3136	3141	rVB2	64261	119186	4.81%	0.355%
85	21.791	3175	3183	3188	rBV3	906551	2479479	100.00%	7.376%
86	21.844	3188	3192	3205	rVB	610101	1102851	44.48%	3.281%
87	22.003	3214	3219	3225	rBV	102193	191791	7.74%	0.571%
88	22.073	3227	3231	3236	rVV3	55015	90763	3.66%	0.270%
89	22.220	3251	3256	3262	rVB3	63310	128124	5.17%	0.381%
90	22.543	3309	3311	3320	rVB3	89965	158651	6.40%	0.472%
91	22.626	3322	3325	3331	rVB	72287	111050	4.48%	0.330%
92	22.767	3347	3349	3356	rVB3	49338	80032	3.23%	0.238%
93	22.831	3356	3360	3364	rBV3	58473	95477	3.85%	0.284%
94	23.495	3469	3473	3482	rVB7	41656	108494	4.38%	0.323%
95	24.083	3563	3573	3581	rBV2	389942	1472798	59.40%	4.381%
96	24.347	3613	3618	3630	rVB2	87749	197833	7.98%	0.588%
97	24.841	3694	3702	3712	rVB	230864	640932	25.85%	1.907%
98	24.994	3720	3728	3738	rVB2	349244	984659	39.71%	2.929%
99	25.152	3745	3755	3763	rBV	363455	1143379	46.11%	3.401%
100	29.001	4399	4410	4425	rBV3	111037	525608	21.20%	1.564%

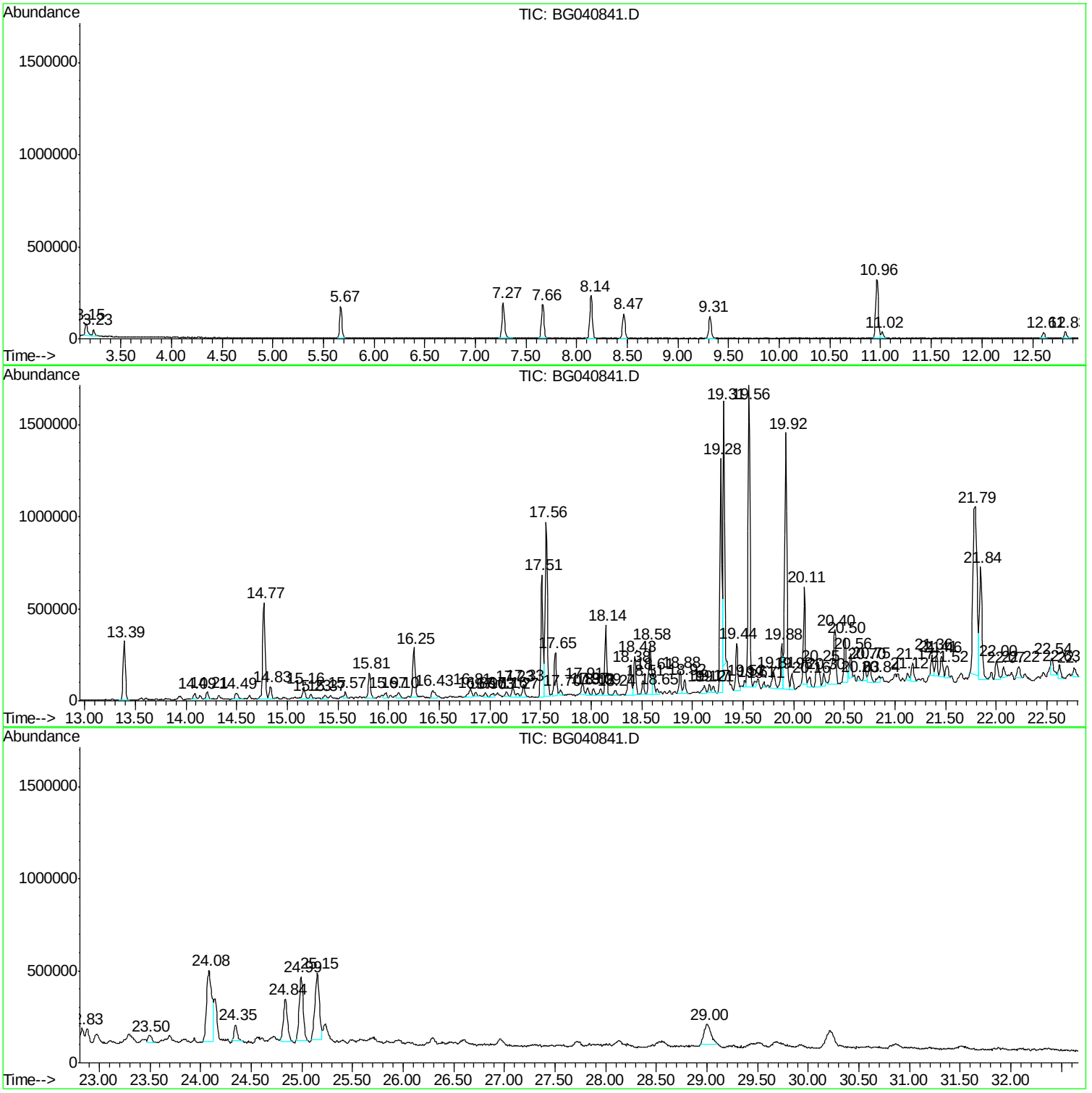
Sum of corrected areas: 33617316

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

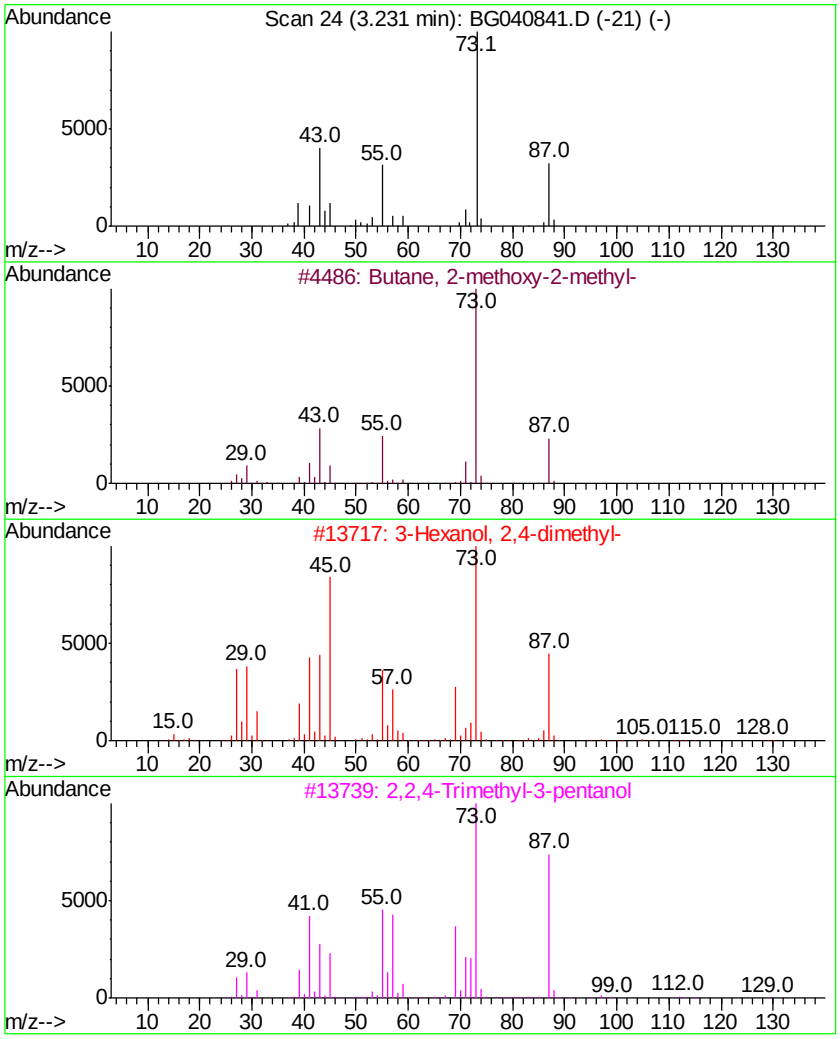
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

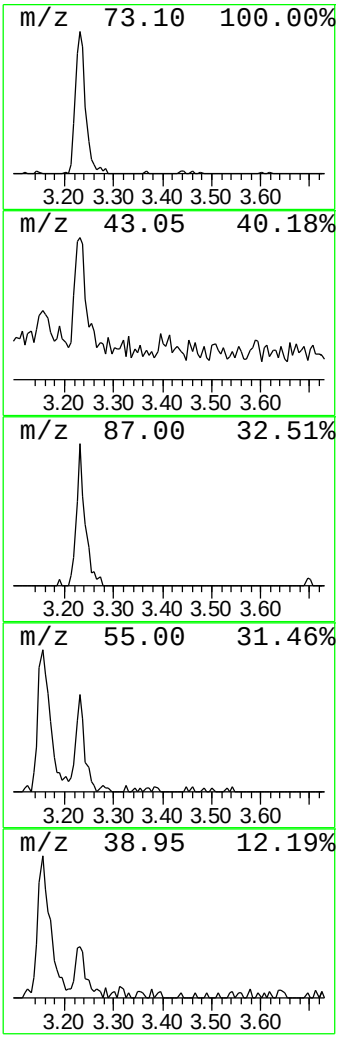
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.23	2.22 ng	43785	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	38
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	36
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
5	1,4-Butanediamine	88	C4H12N2	000110-60-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

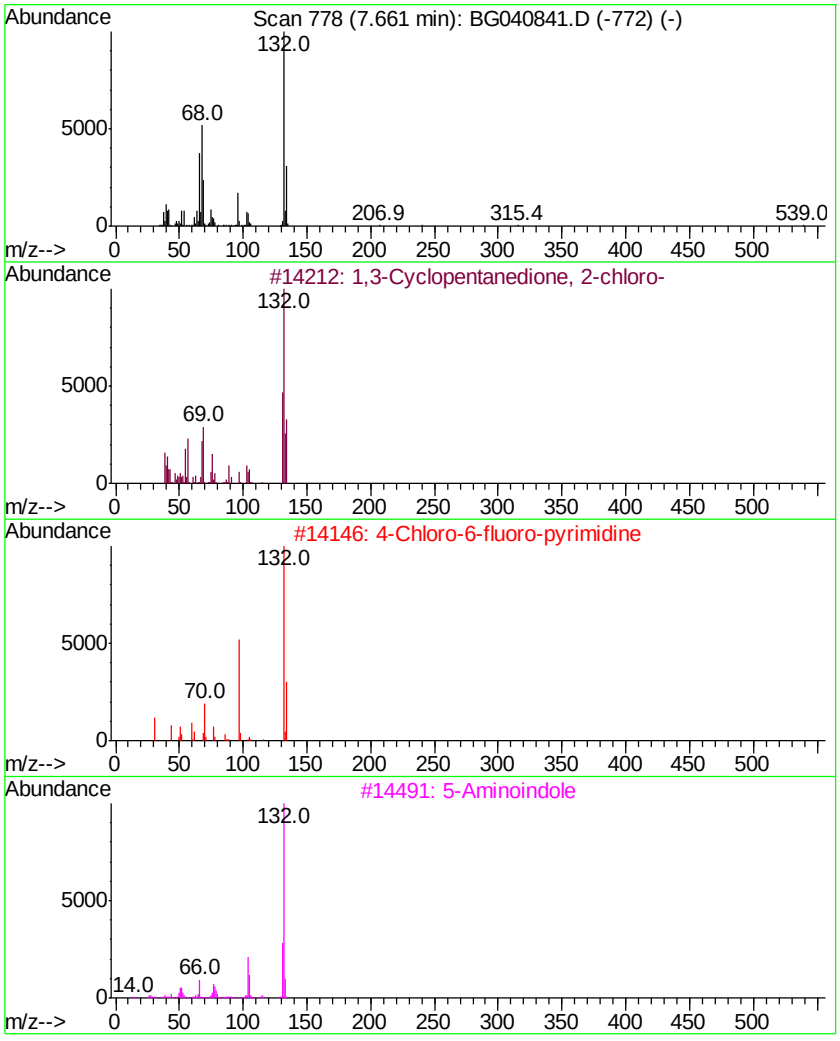
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

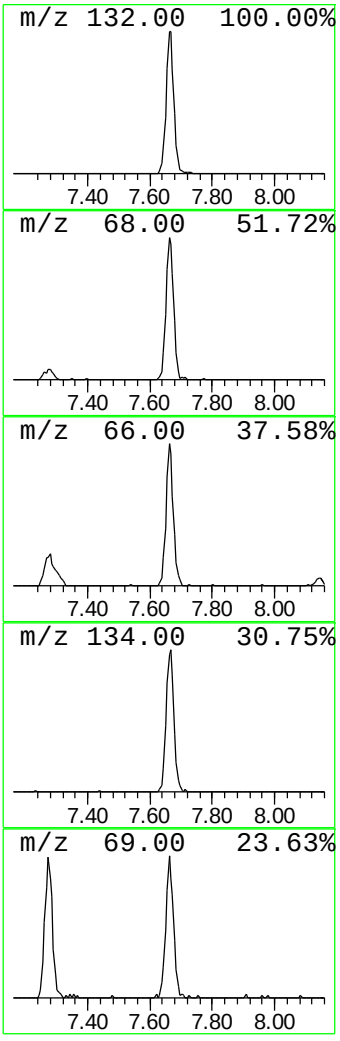
****

Peak Number 3 unknown7.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	16.62 ng	328010	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
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Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

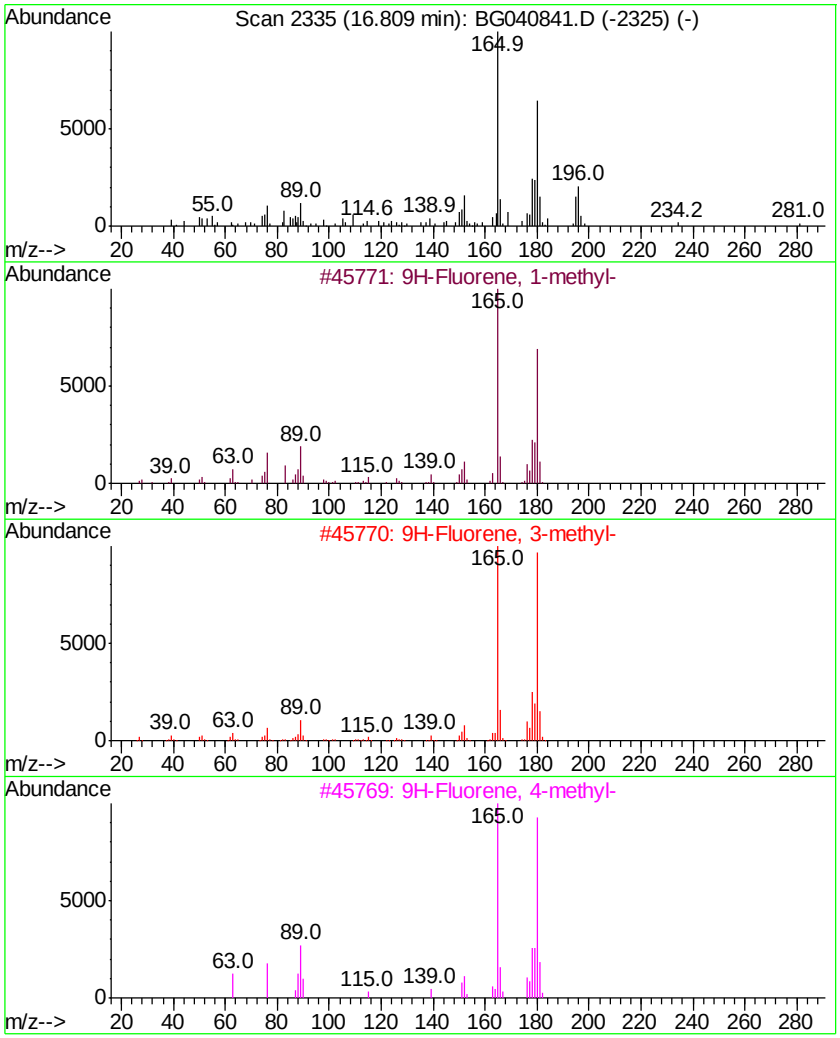
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

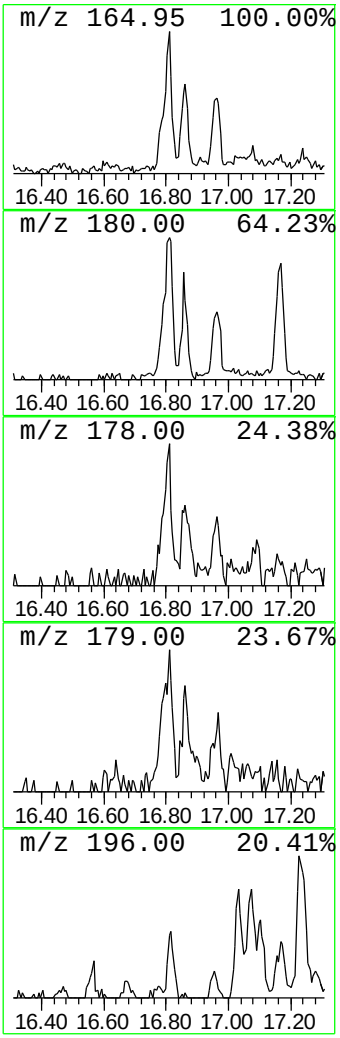
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	2.12 ng	107715	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
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Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

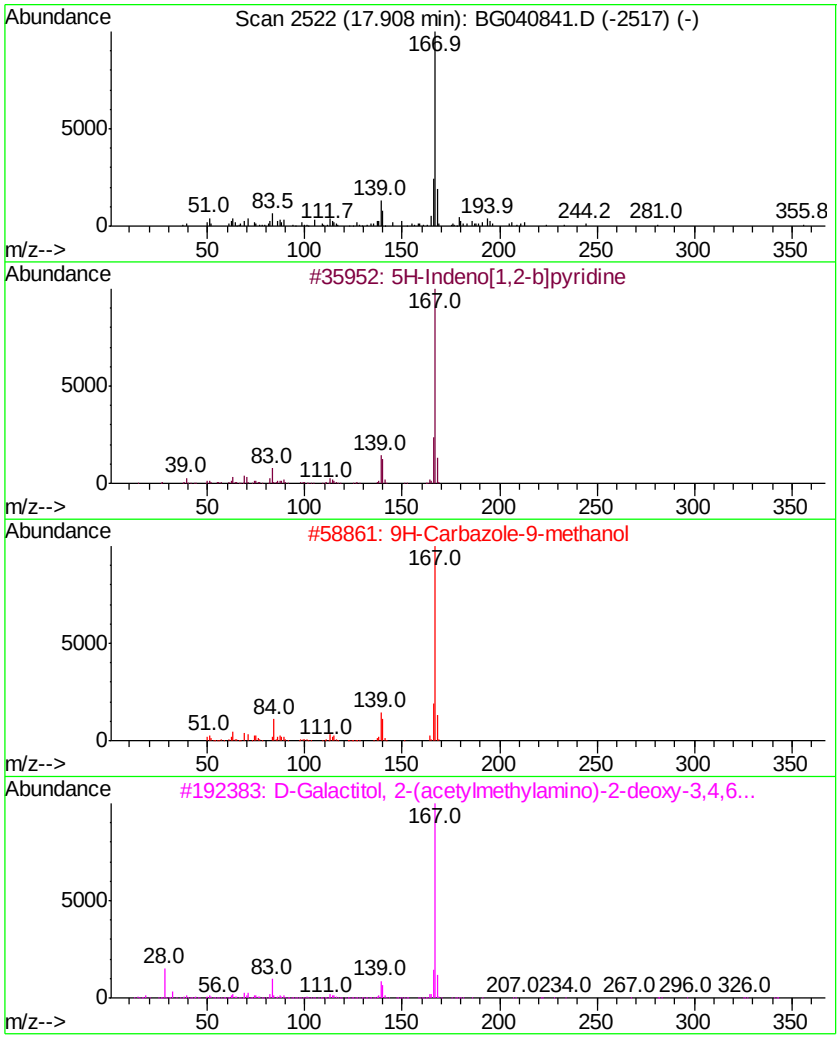
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

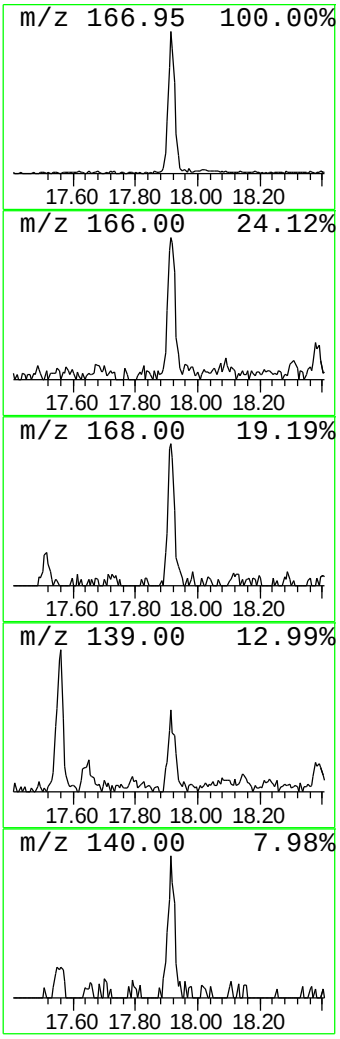
****

Peak Number 6 5H-Indeno[1,2-b]pyridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.23 ng	113199	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
2	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	78
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	78
4	Carbazole	167	C12H9N	000086-74-8	74
5	4H-1,3,2-Dioxaborin, 2-ethyl-4-m...	210	C12H23BO2	074421-11-7	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

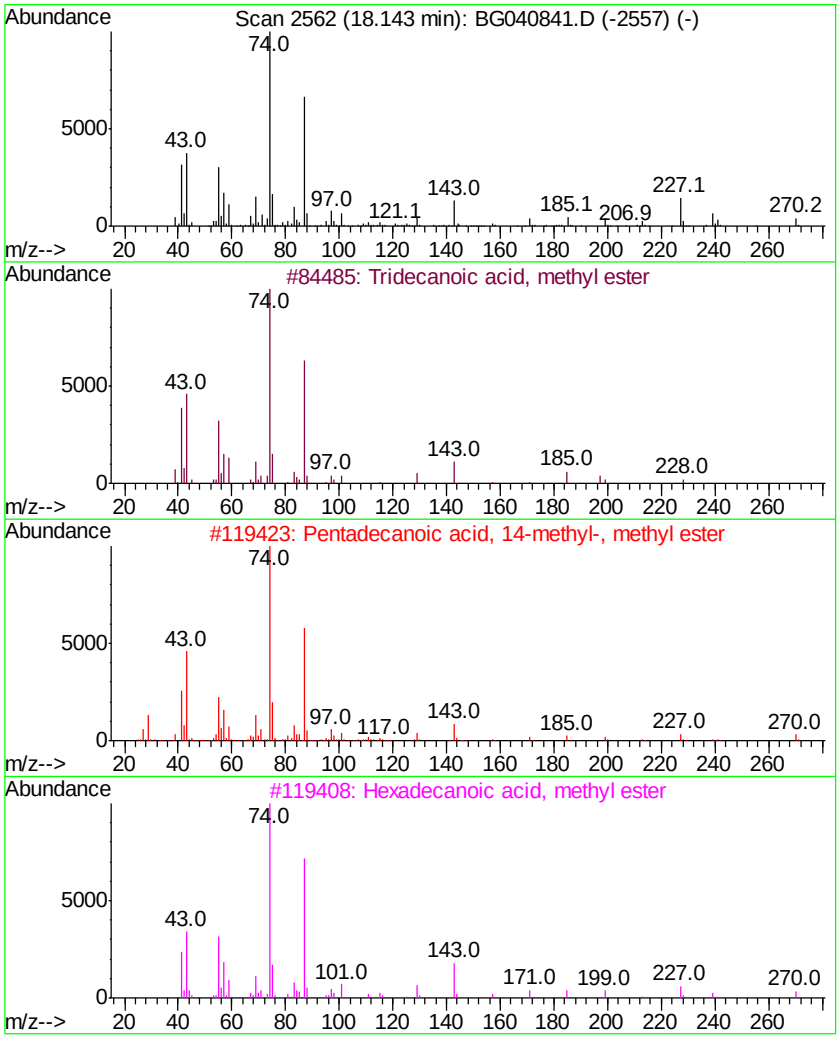
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

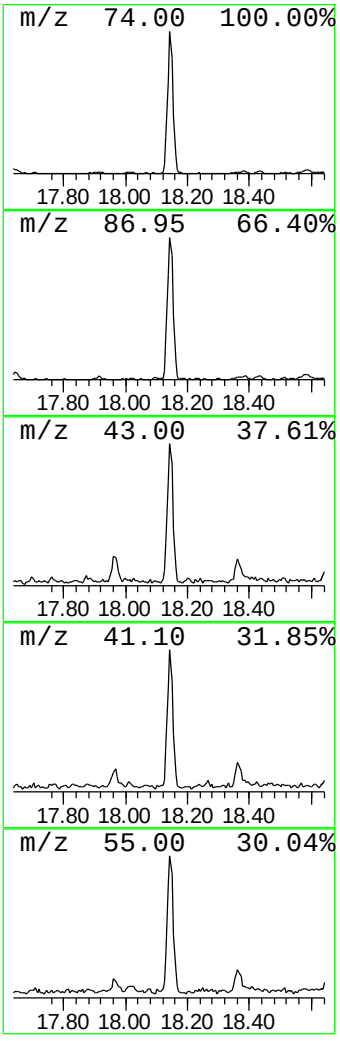
****

Peak Number 7 Tridecanoic acid, methyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	9.30 ng	472369	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	96
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	94
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	87





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Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
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Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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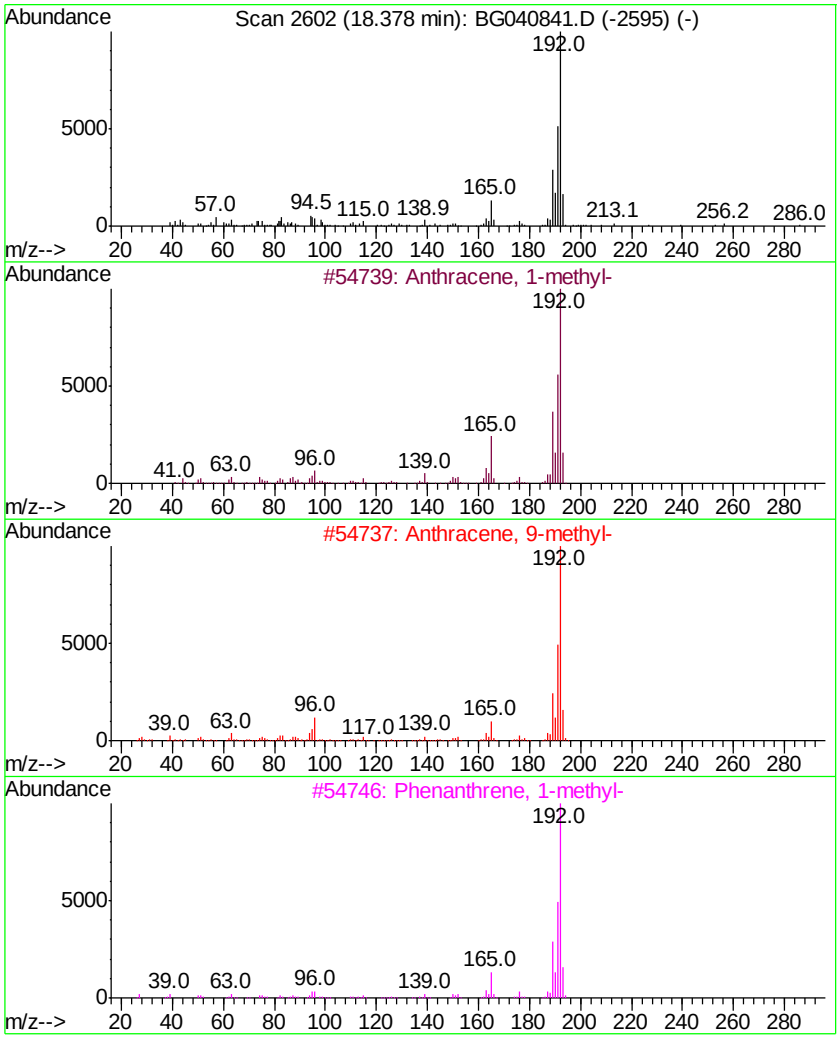
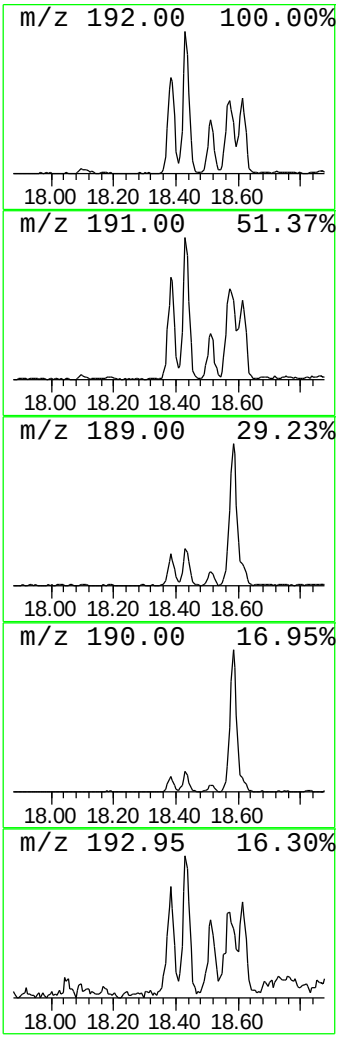
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.40 ng	324857	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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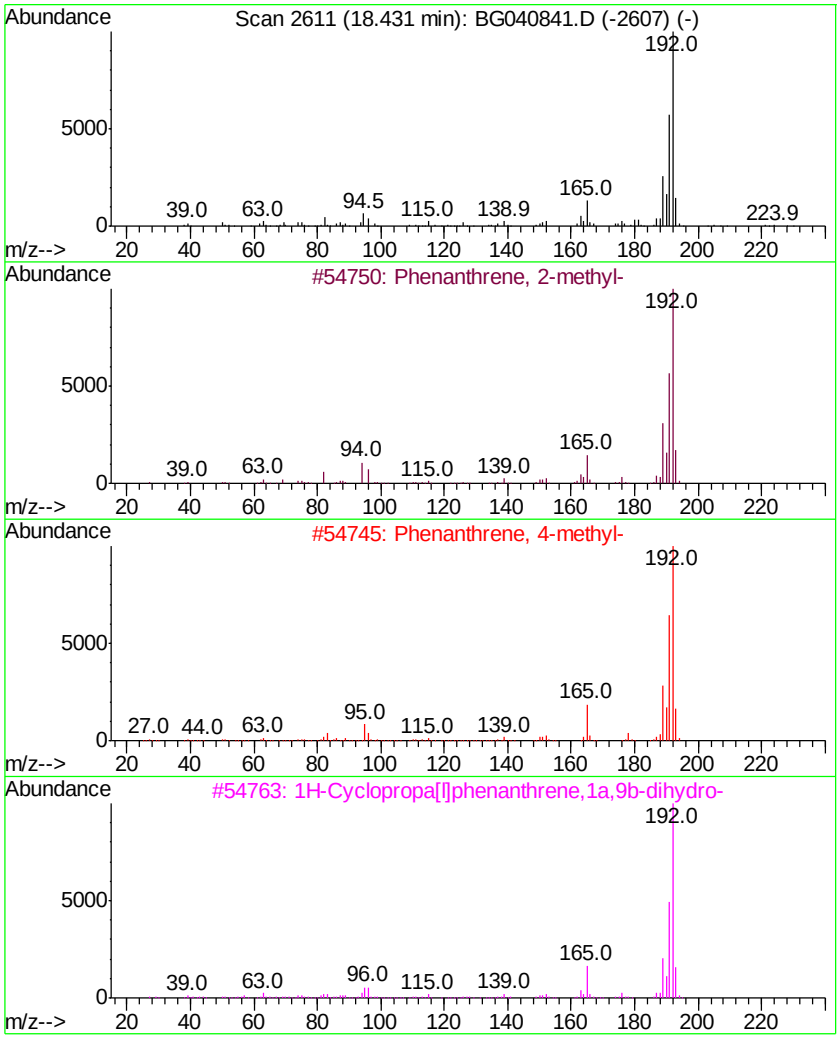
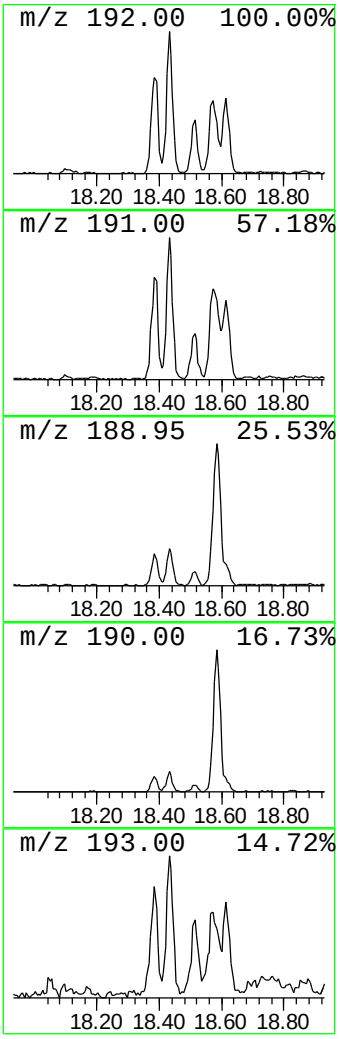
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	5.80 ng	294398	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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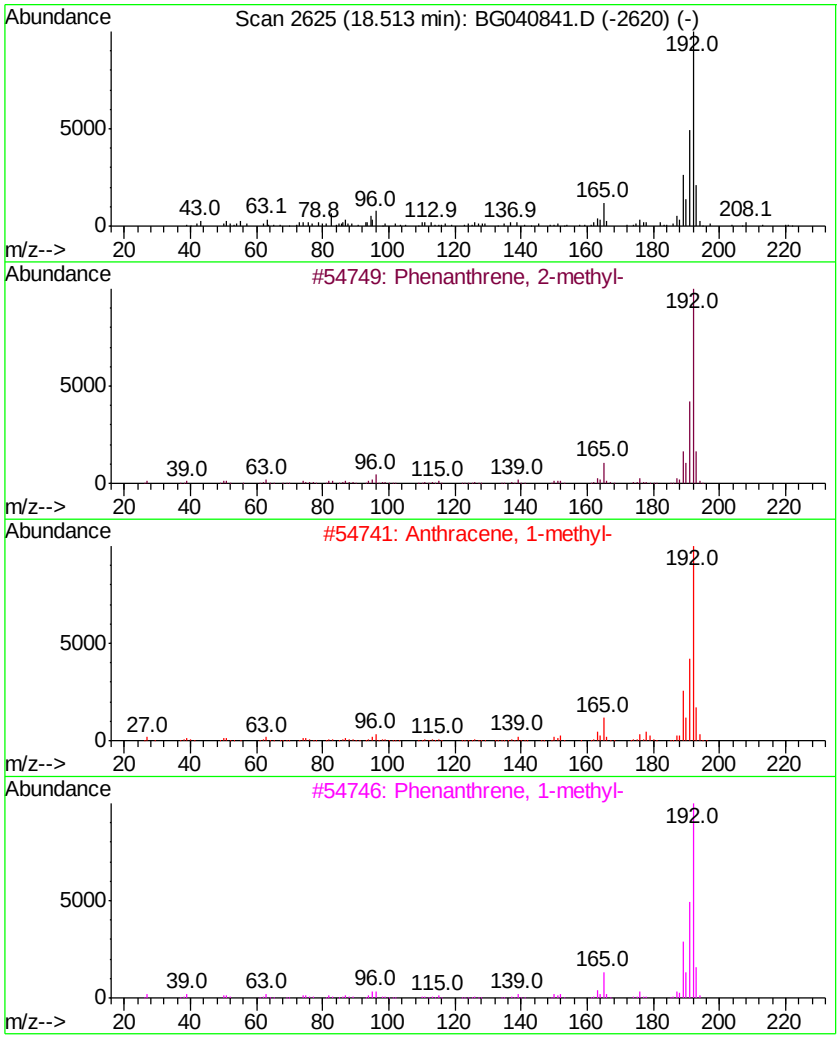
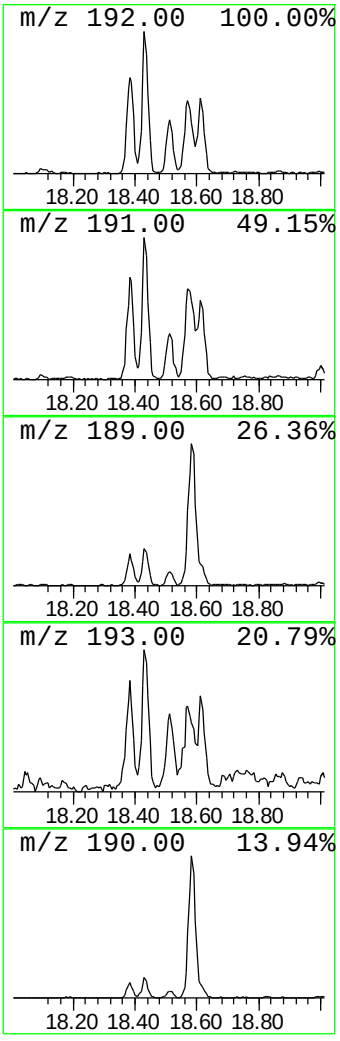
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	2.21 ng	112362	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

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Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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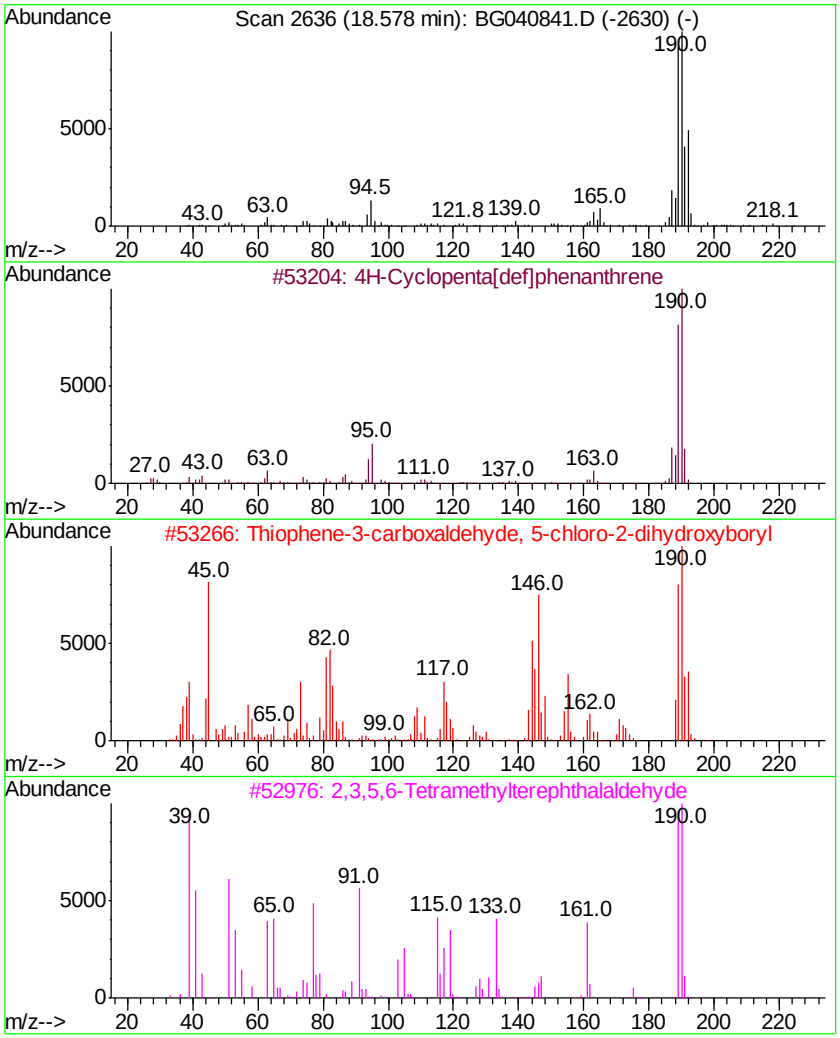
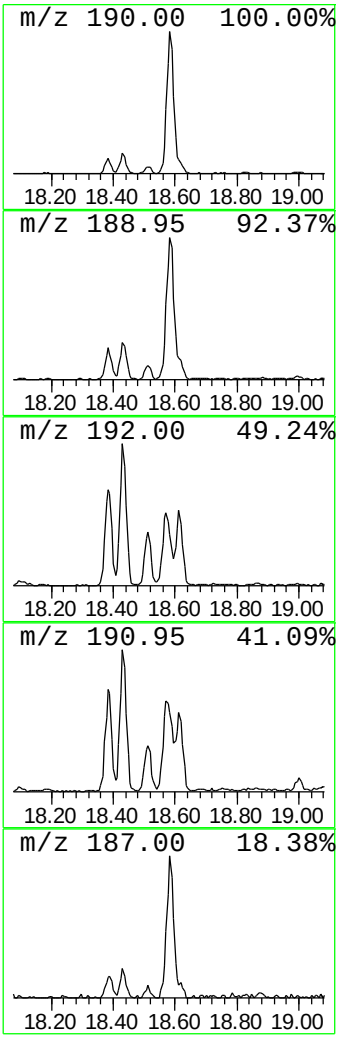
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	10.56 ng	535974	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	35





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Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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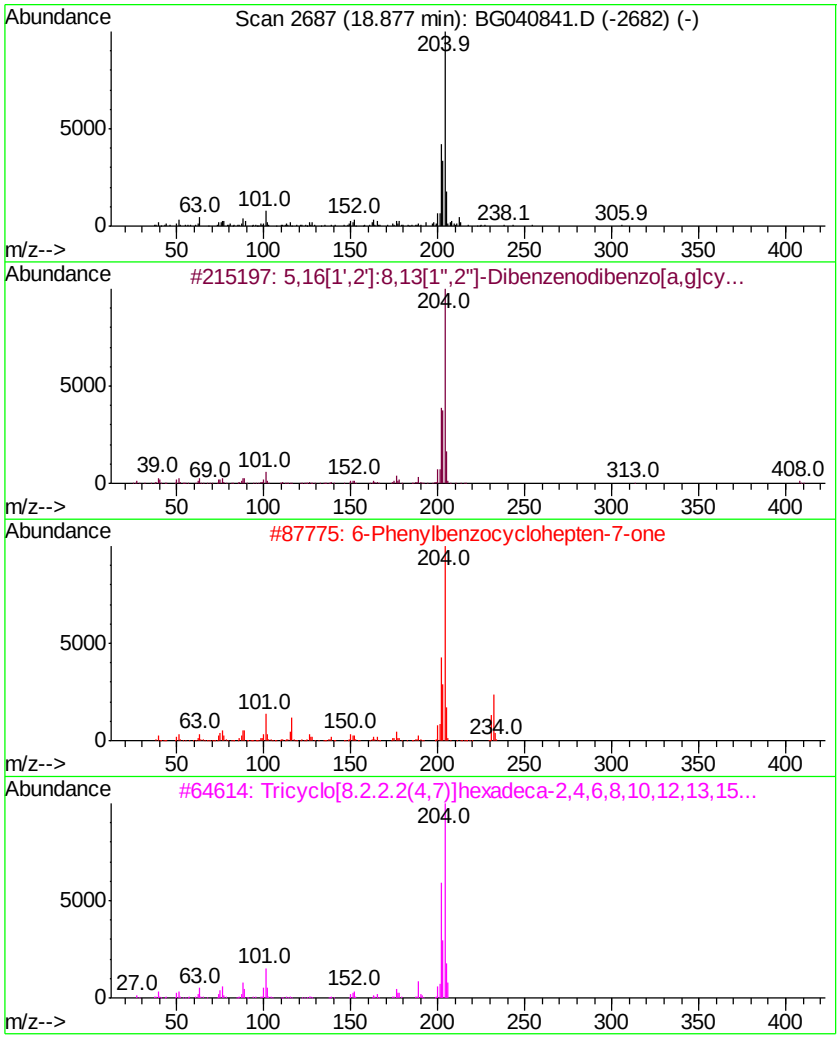
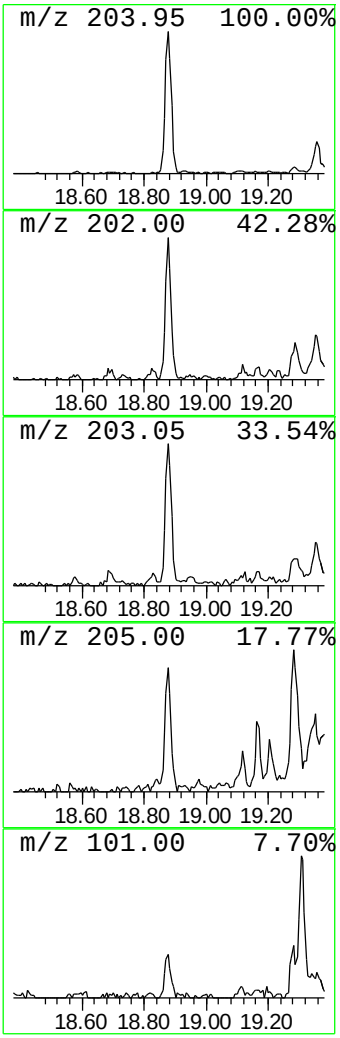
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.44 ng	174421	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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Acq On : 10 May 2019 8:24
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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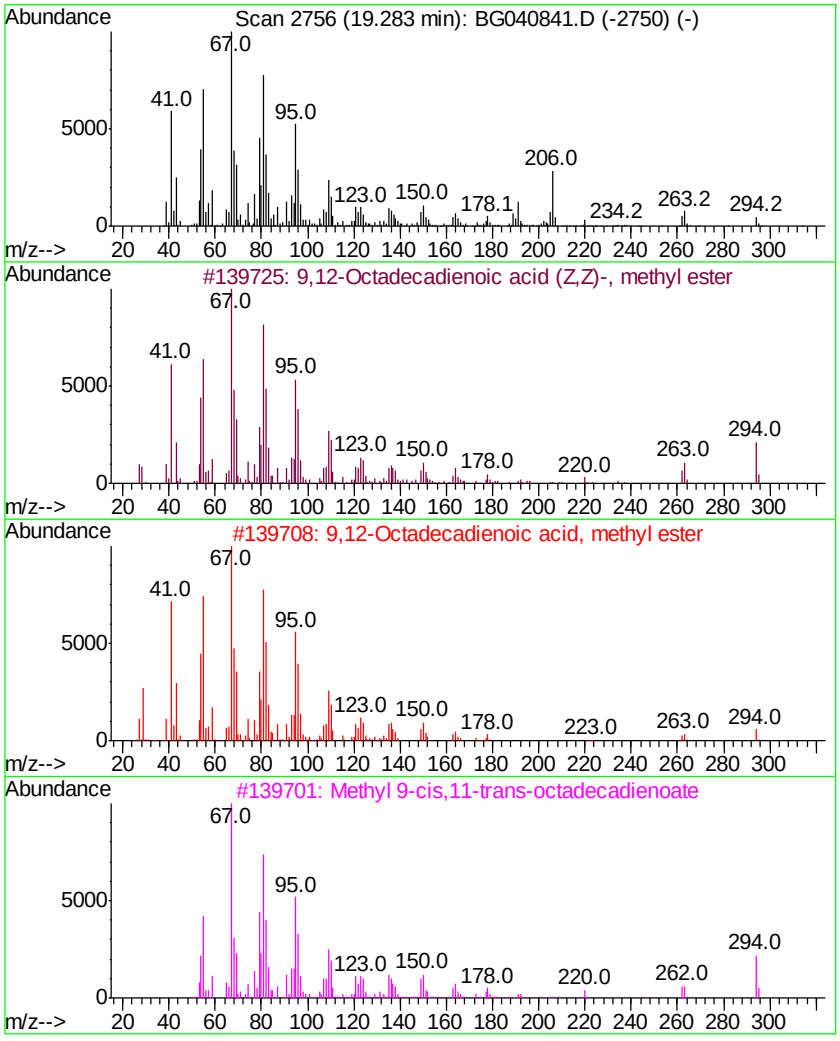
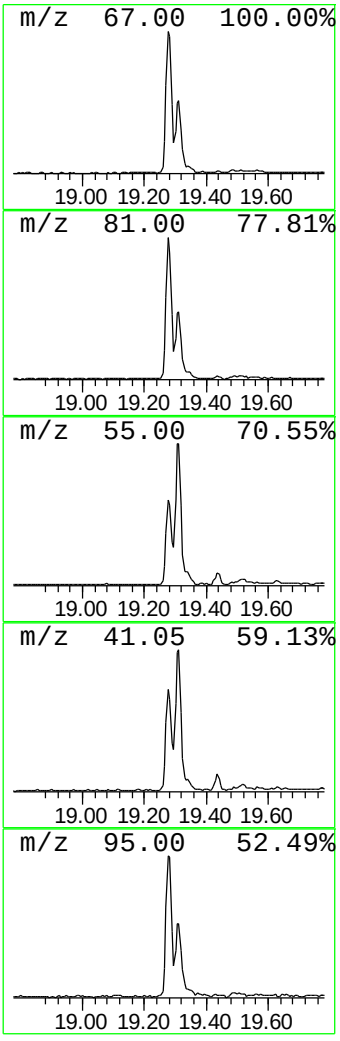
Peak Number 13 9,12-Octadecadienoic acid (... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	33.01 ng	1675650	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





Library Search Compound Report

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Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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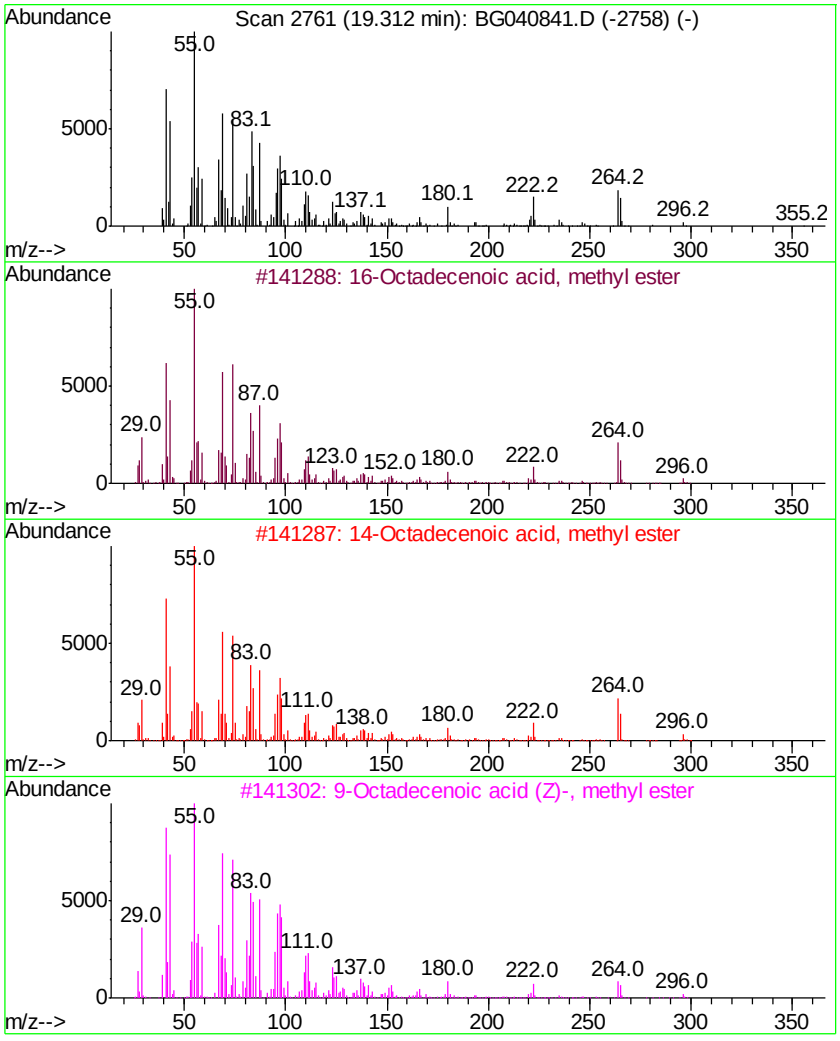
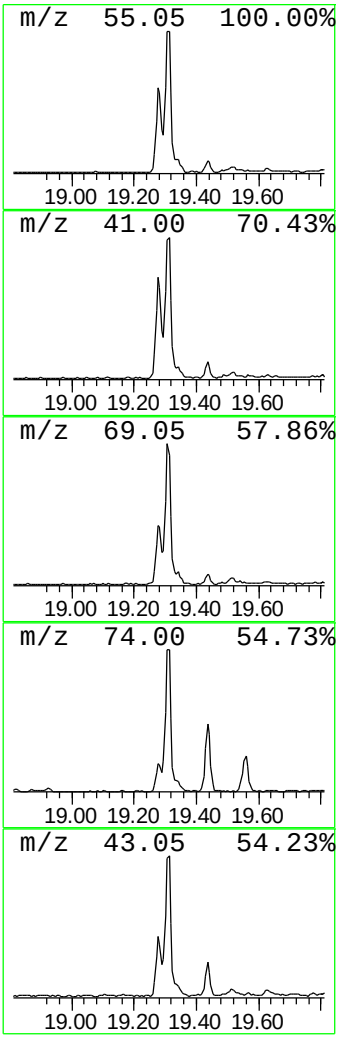
Peak Number 14 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	32.50 ng	1650080	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99





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Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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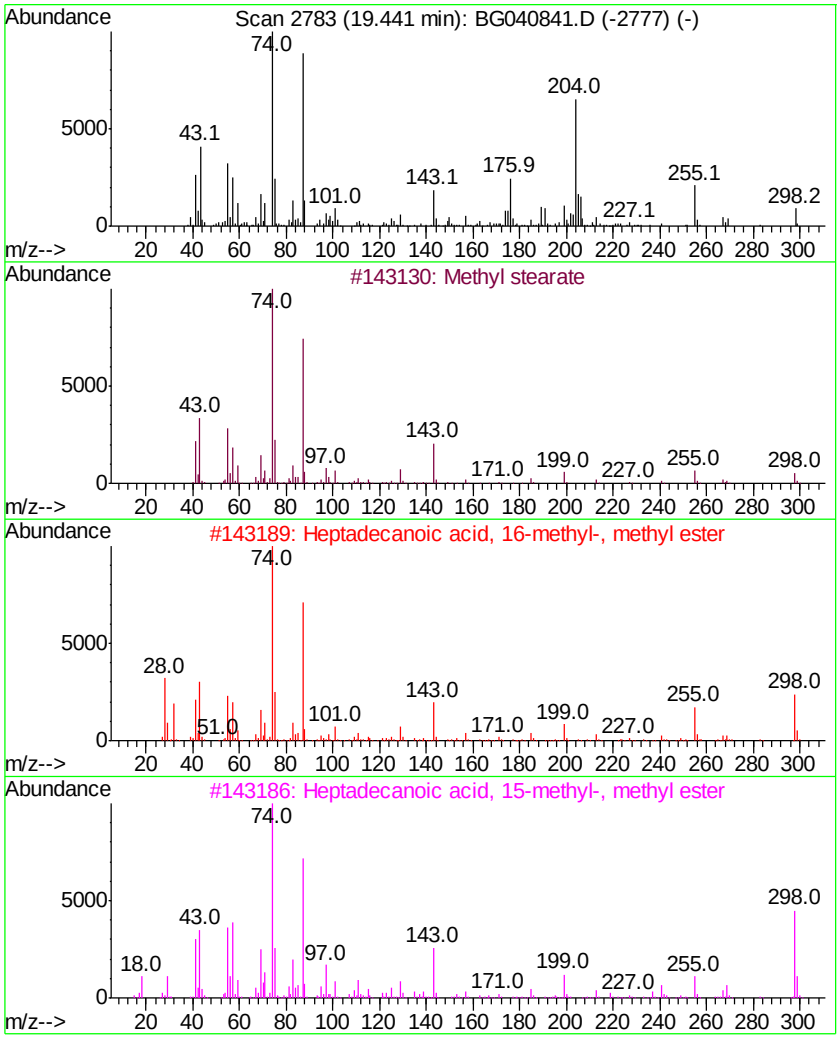
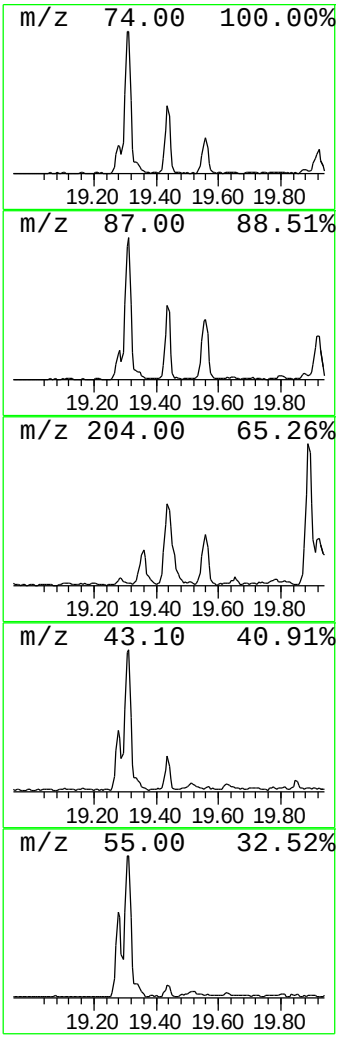
Peak Number 15 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	6.90 ng	350070	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	96
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	64
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	60
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	53





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Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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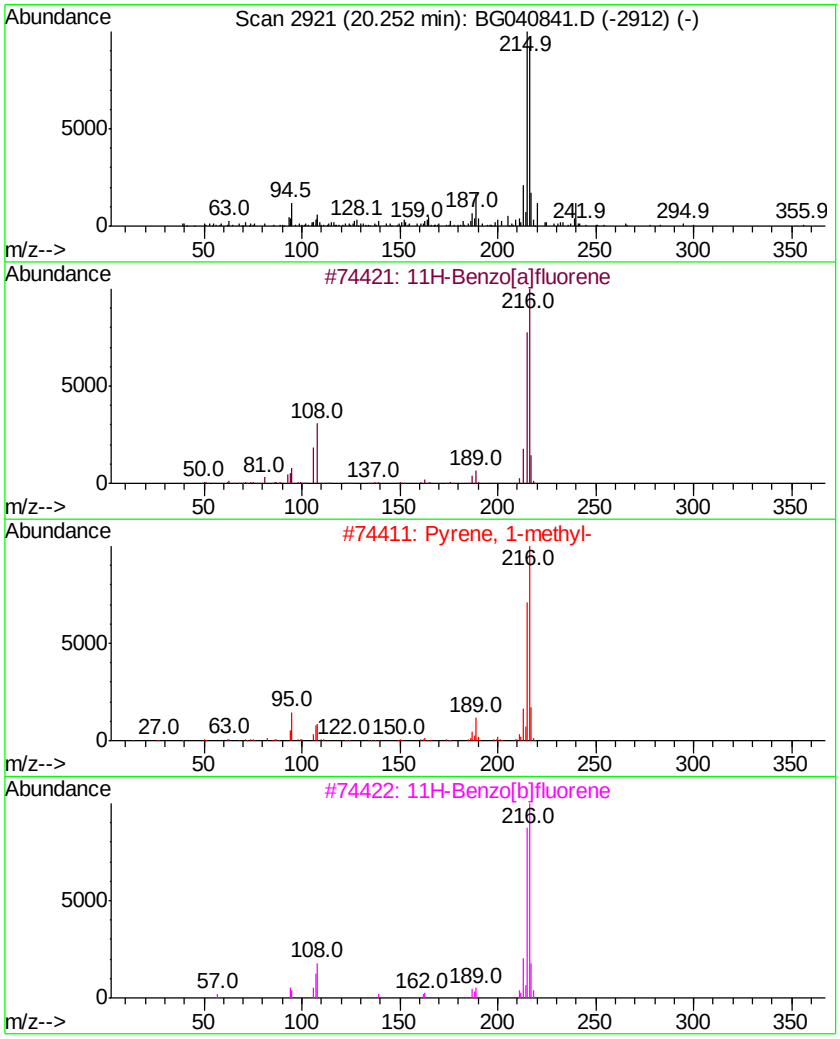
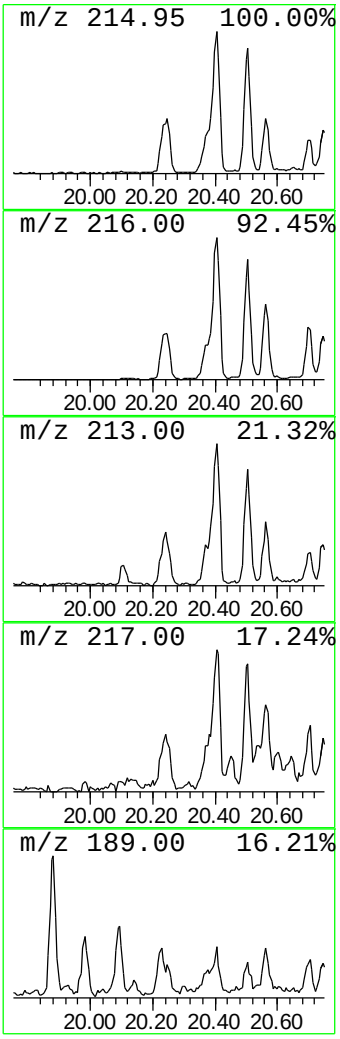
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.39 ng	296482	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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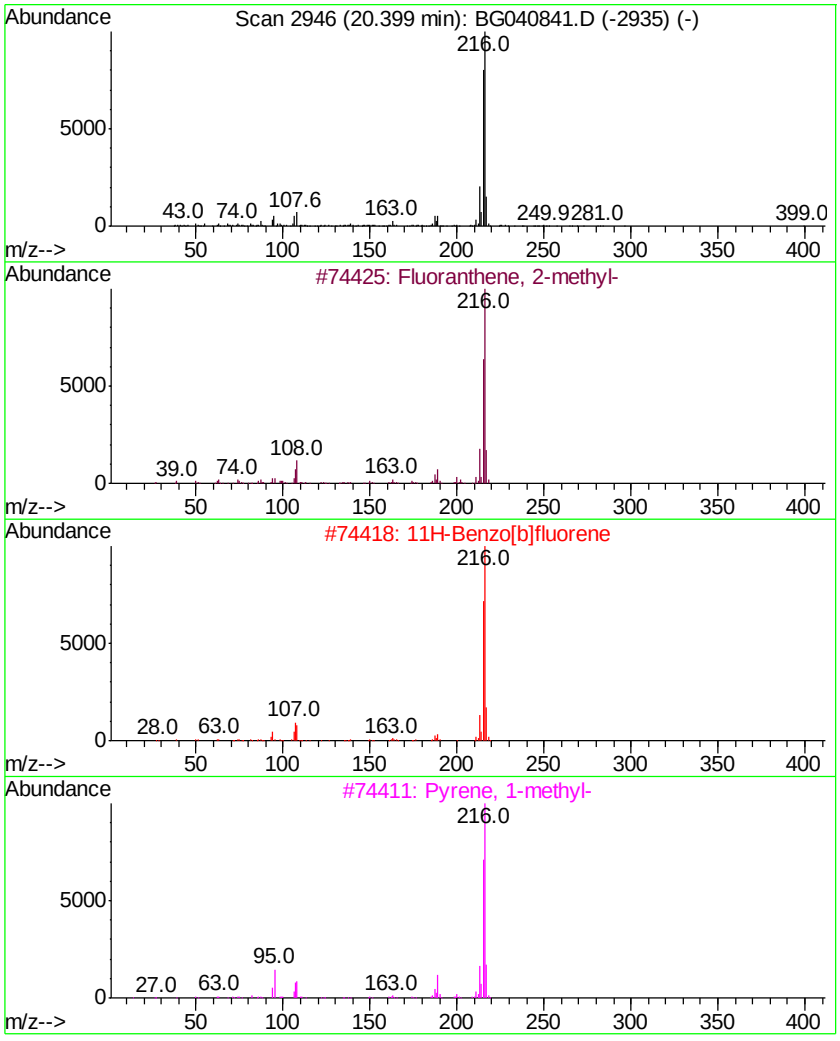
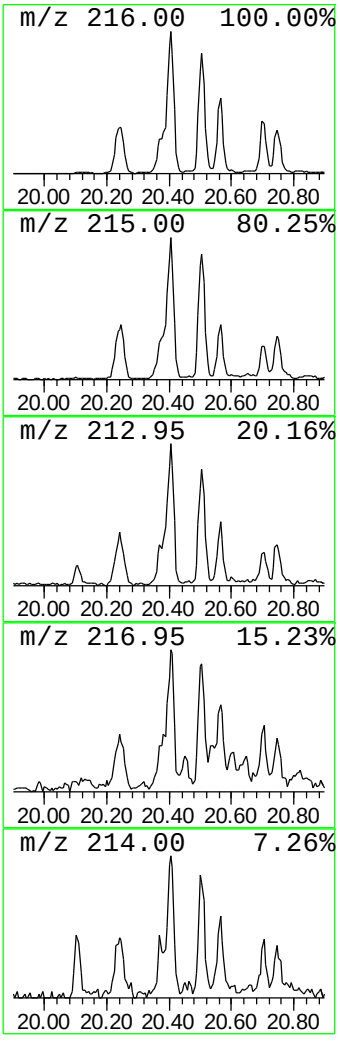
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	5.34 ng	662004	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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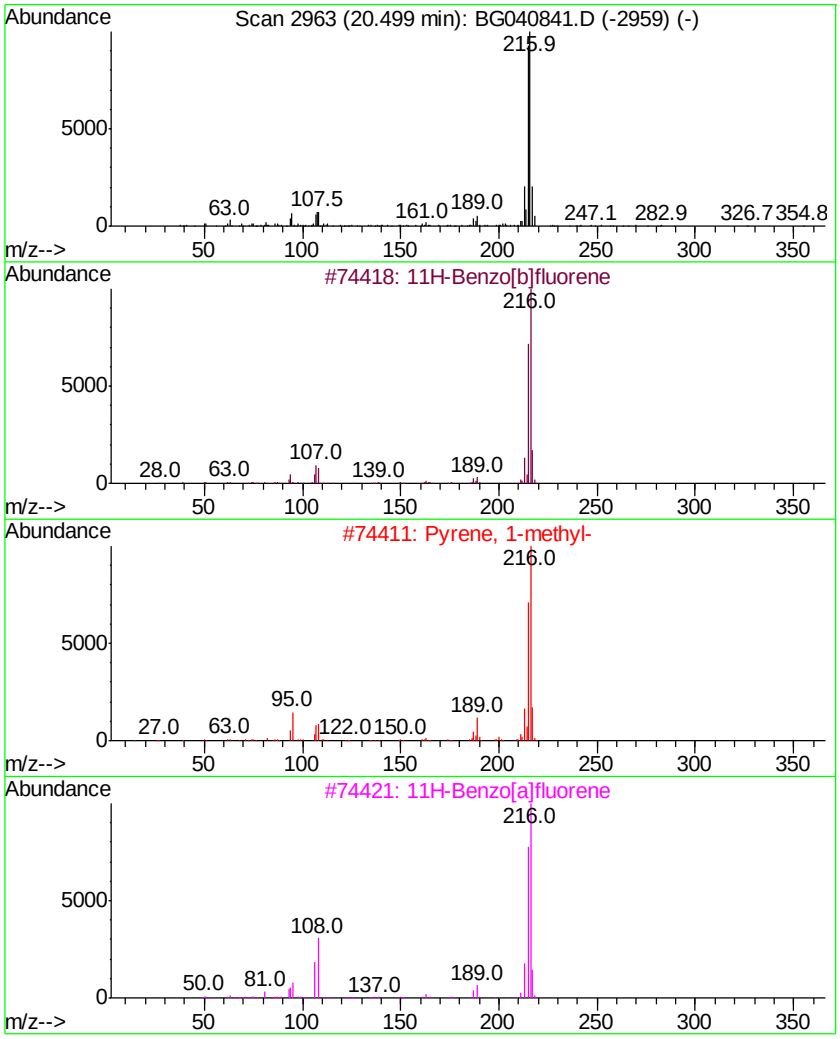
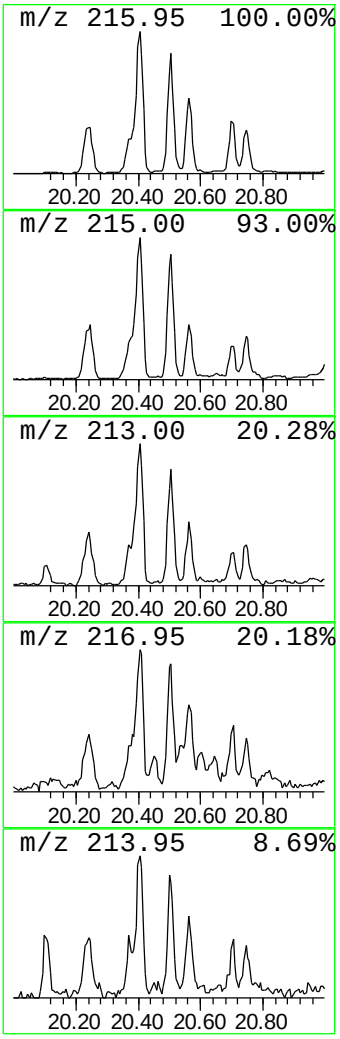
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.99 ng	370341	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

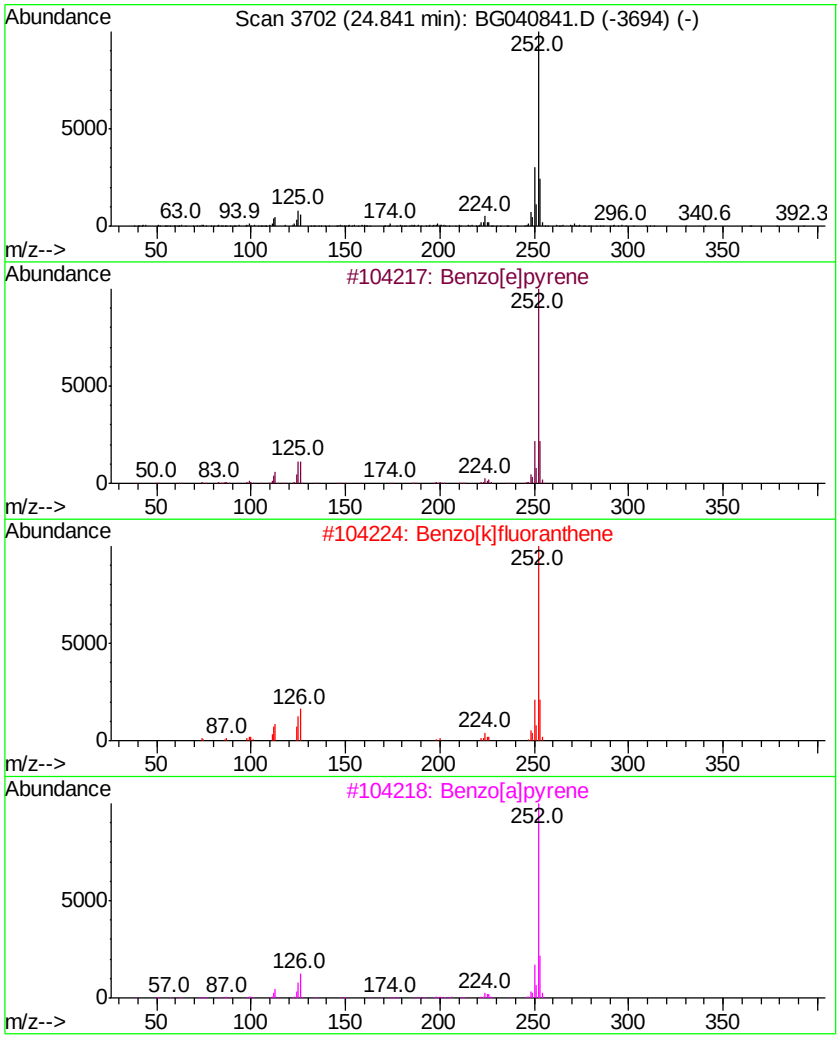
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

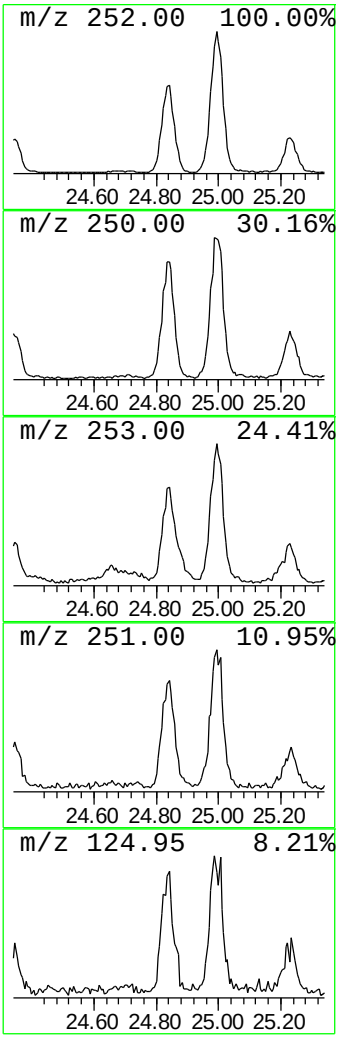
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.84	11.21 ng	640932	Perylene-d12	25.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
Data File : BG040841.D
Acq On : 10 May 2019 8:24
Operator : HP/JU
Sample : K2645-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-02-050719-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Butane, 2-methoxy...	3.23	2.2	ng	43785	1	8.14	394631	20.0
unknown7.66	7.66	16.6	ng	328010	1	8.14	394631	20.0
9H-Fluorene, 1-me...	16.81	2.1	ng	107715	4	17.51	1015340	20.0
5H-Indeno[1,2-b]p...	17.91	2.2	ng	113199	4	17.51	1015340	20.0
Tridecanoic acid,...	18.14	9.3	ng	472369	4	17.51	1015340	20.0
Anthracene, 1-met...	18.38	6.4	ng	324857	4	17.51	1015340	20.0
Phenanthrene, 2-m...	18.43	5.8	ng	294398	4	17.51	1015340	20.0
Phenanthrene, 1-m...	18.51	2.2	ng	112362	4	17.51	1015340	20.0
4H-Cyclopenta[def...	18.58	10.6	ng	535974	4	17.51	1015340	20.0
5,16[1',2']:8,13[...	18.88	3.4	ng	174421	4	17.51	1015340	20.0
9,12-Octadecadien...	19.28	33.0	ng	1675650	4	17.51	1015340	20.0
16-Octadecenoic a...	19.31	32.5	ng	1650080	4	17.51	1015340	20.0
Methyl stearate	19.44	6.9	ng	350070	4	17.51	1015340	20.0
11H-Benzo[a]fluorene	20.25	2.4	ng	296482	5	21.80	2479480	20.0
Fluoranthene, 2-m...	20.40	5.3	ng	662004	5	21.80	2479480	20.0
11H-Benzo[b]fluorene	20.50	3.0	ng	370341	5	21.80	2479480	20.0
Benzo[e]pyrene	24.84	11.2	ng	640932	6	25.15	1143380	20.0