LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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	3.155	5	11	19	rBV	286747	520893	12.66%	1.143%
2	3.232	19	24	35	rVB	260223	376610	9.15%	0.826%
3	5.676	433	440	452	rBV	1443527	2268584	55.14%	4.978%
4	7.286	705	714	727	rBV	1560732	2738834	66.57%	6.010%
5	7.667	770	779	787	rBV	1494871	2539137	61.71%	5.572%
6	8.143	851	860	868	rBV	261785	441801	10.74%	0.970%
7	8.467	907	915	924	rBV	1031835	1739544	42.28%	3.817%
8	9.318	1051	1060	1078	rBV	954163	1748459	42.50%	3.837%
9	10.964	1331	1340	1347	rBV	361773	635325	15.44%	1.394%
10	13.396	1743	1754	1762	rBV	2181492	3254483	79.10%	7.142%
11	14.213	1887	1893	1900	rBV	241700	344681	8.38%	0.756%
12	14.501	1935	1942	1948	rBV	36462	71968	1.75%	0.158%
13	14.771	1978	1988	1995	rBV2	612156	965278	23.46%	2.118%
14	16.257	2234	2241	2250	rBV	2183045	3305609	80.34%	7.254%
15	17.162	2390	2395	2401	rVV3	28710	51617	1.25%	0.113%
16	17.515	2446	2455	2459	rBV	804643	1230791	29.91%	2.701%
17	17.556	2459	2462	2469	rVB	486147	675708	16.42%	1.483%
18	17.644	2473	2477	2482	rBV	37749	63758	1.55%	0.140%
19	18.026	2539	2542	2548	rVB	58026	76553	1.86%	0.168%
20	18.091	2548	2553	2559	rVB	57856	91477	2.22%	0.201%
21	18.243	2573	2579	2585	rVB3	32537	67163	1.63%	0.147%
22	18.308	2585	2590	2595	rBV6	25812	44689	1.09%	0.098%
23	18.367	2595	2600	2607	rBV2	426419	813848	19.78%	1.786%
24	18.431	2607	2611	2618	rVB	195560	305844	7.43%	0.671%
25	18.572	2630	2635	2640	rBV2	203355	396983	9.65%	0.871%
26	18.613	2640	2642	2647	rVB	147811	182719	4.44%	0.401%
27	18.772	2666	2669	2674	rVB3	29486	45351	1.10%	0.100%
28	18.878	2682	2687	2691	rBV	173045	245462	5.97%	0.539%
29	18.925	2691	2695	2705	rVB2	203918	299571	7.28%	0.657%
30	19.119	2725	2728	2732	rVB3	41715	54793	1.33%	0.120%
31	19.172	2733	2737	2740	rVB	45703	51596	1.25%	0.113%
32	19.207	2740	2743	2748	rVB	35801	41810	1.02%	0.092%
33	19.289	2752	2757	2762	rBV2	165401	302292	7.35%	0.663%
34	19.342	2762	2766	2771	rVV4	31382	55153	1.34%	0.121%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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	19.436	2776	2782	2792	rBV3	131502	279049	6.78%	0.612%
36	19.559	2797	2803	2808	rVB	806095	1153657	28.04%	2.532%
37	19.630	2808	2815	2824	rBV6	176459	360652	8.77%	0.791%
38	19.706	2824	2828	2832	rBV	114320	166624	4.05%	0.366%
39	19.747	2832	2835	2839	rVB2	83422	99680	2.42%	0.219%
40	19.806	2841	2845	2846	rBV	37426	51217	1.24%	0.112%
41	19.924	2859	2865	2871	rVB	1412251	1970721	47.90%	4.325%
42	19.977	2871	2874	2880	rVB2	66442	93357	2.27%	0.205%
43	20.112	2891	2897	2907	rVB	3023691	4114412	100.00%	9.029%
44	20.247	2912	2920	2926	rBV2	138102	321343	7.81%	0.705%
45	20.376	2936	2942	2943	rBV4	135915	208443	5.07%	0.457%
46	20.564	2970	2974	2978	rBV	205360	249381	6.06%	0.547%
47	20.705	2993	2998	3002	rBV	209241	287395	6.99%	0.631%
48	20.746	3002	3005	3013	rVB	159096	242456	5.89%	0.532%
49	21.169	3073	3077	3084	rVB	124235	210185	5.11%	0.461%
50	21.369	3104	3111	3113	rBV2	71757	154367	3.75%	0.339%
51	21.410	3113	3118	3122	rVV3	214896	364648	8.86%	0.800%
52	21.457	3122	3126	3130	rVV	113273	188467	4.58%	0.414%
53	21.516	3132	3136	3146	rVB2	104730	206589	5.02%	0.453%
54	21.651	3156	3159	3166	rVB2	39551	68519	1.67%	0.150%
55	21.798	3175	3184	3189	rBV3	917128	2260261	54.94%	4.960%
56	21.845	3189	3192	3199	rVB	484668	765153	18.60%	1.679%
57	21.951	3207	3210	3215	rVB5	36208	55595	1.35%	0.122%
58	22.074	3225	3231	3244	rVB	184807	416063	10.11%	0.913%
59	22.280	3263	3266	3271	rVB7	30960	42569	1.03%	0.093%
60	22.550	3308	3312	3317	rBV	71050	119791	2.91%	0.263%
61	22.632	3321	3326	3334	rVB4	103179	227530	5.53%	0.499%
62	22.832	3357	3360	3365	rVV3	40768	63722	1.55%	0.140%
63	22.879	3365	3368	3373	rVB5	56236	92429	2.25%	0.203%
64	22.985	3382	3386	3392	rVB	42106	72071	1.75%	0.158%
65	23.290	3433	3438	3453	rVB8	64763	167771	4.08%	0.368%
66	23.672	3498	3503	3508	rVB6	35283	77679	1.89%	0.170%
67	24.078	3564	3572	3591	rVB3	224261	1142880	27.78%	2.508%
68	24.348	3613	3618	3628	rVB2	58491	161570	3.93%	0.355%
69	24.836	3694	3701	3715	rVB	199564	570580	13.87%	1.252%
70	24.988	3719	3727	3739	rVB2	237124	687434	16.71%	1.509%
71	25.153	3744	3755	3766	rBV	407787	1286399	31.27%	2.823%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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	28.995	4397	4409	4410	rBV	71661	183645	4.46%	0.403%
73	30.212	4607	4616	4632	rVB3	70406	335052	8.14%	0.735%

Sum of corrected areas: 45567740

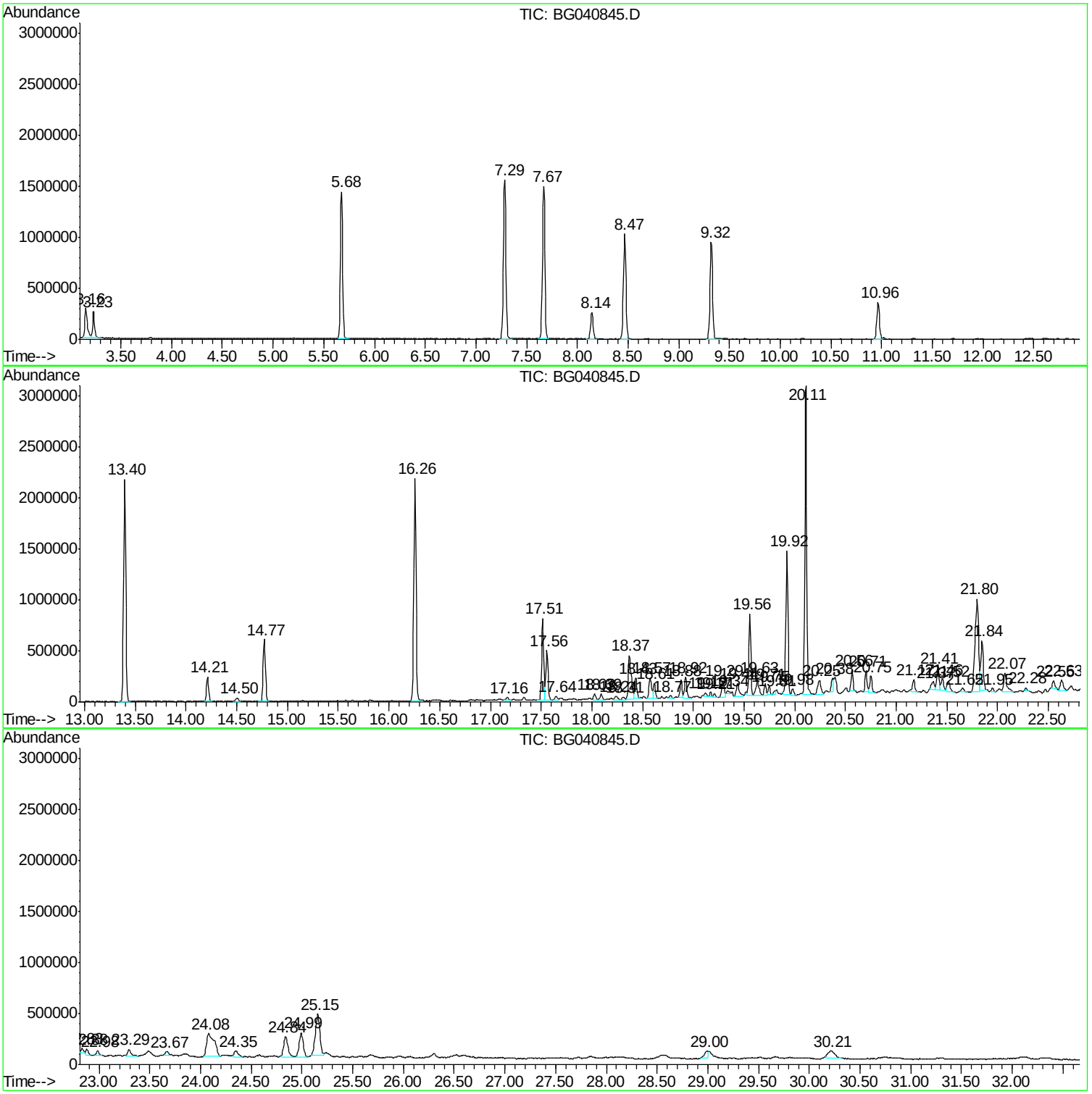
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

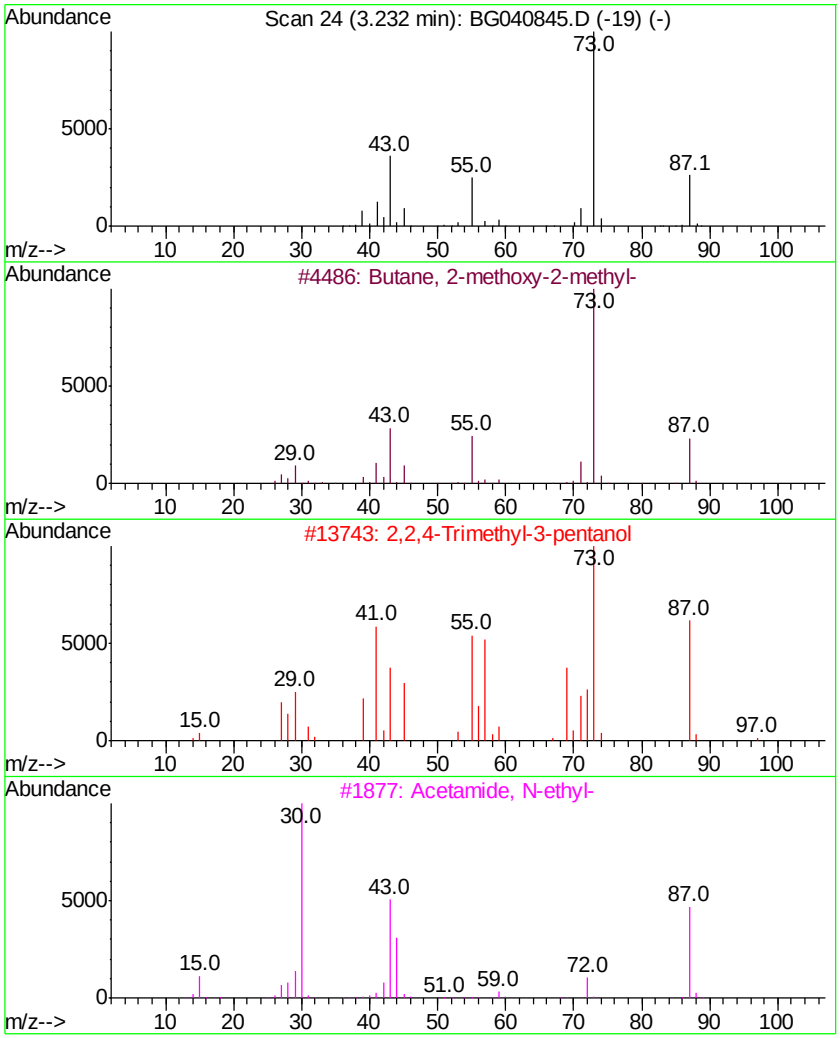
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

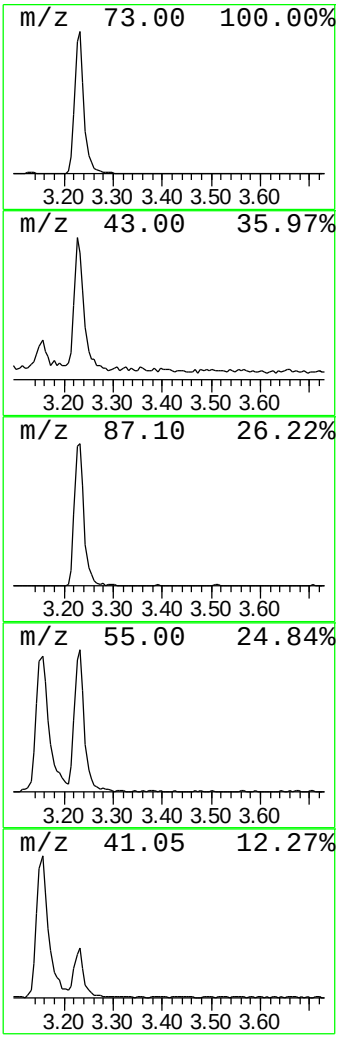
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.23	17.05 ng	376610	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

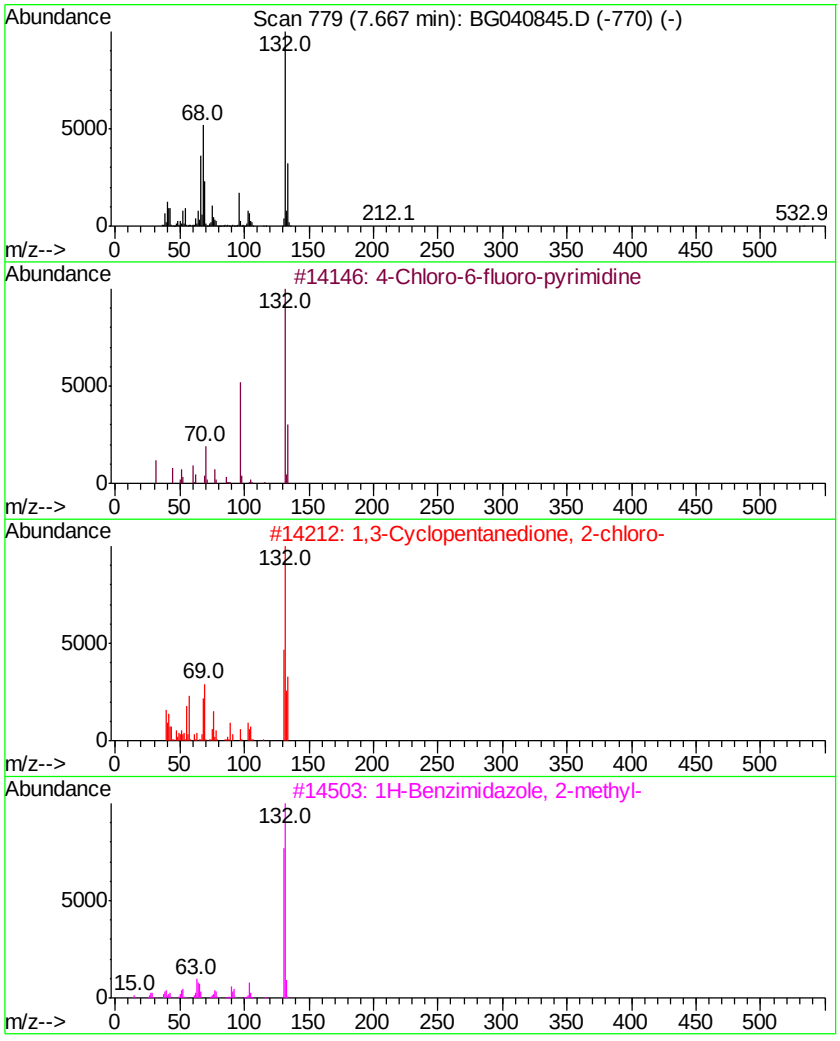
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

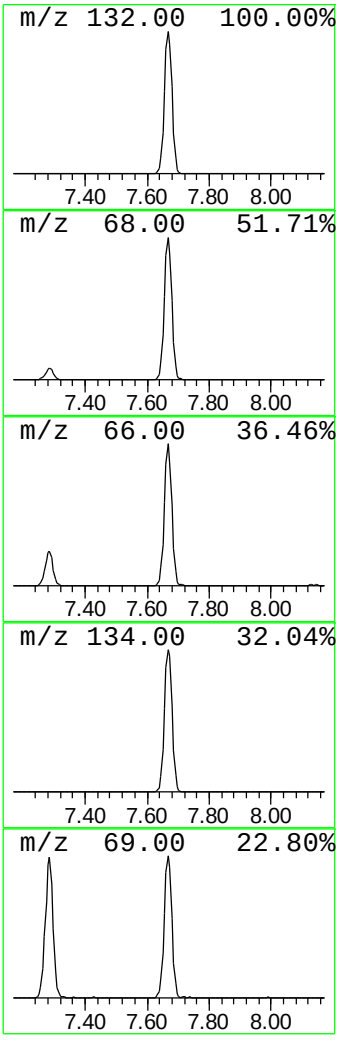
****

Peak Number 3 unknown7.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	114.95 ng	2539140	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	22
5	5-Aminoindole	132	C8H8N2	005192-03-0	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

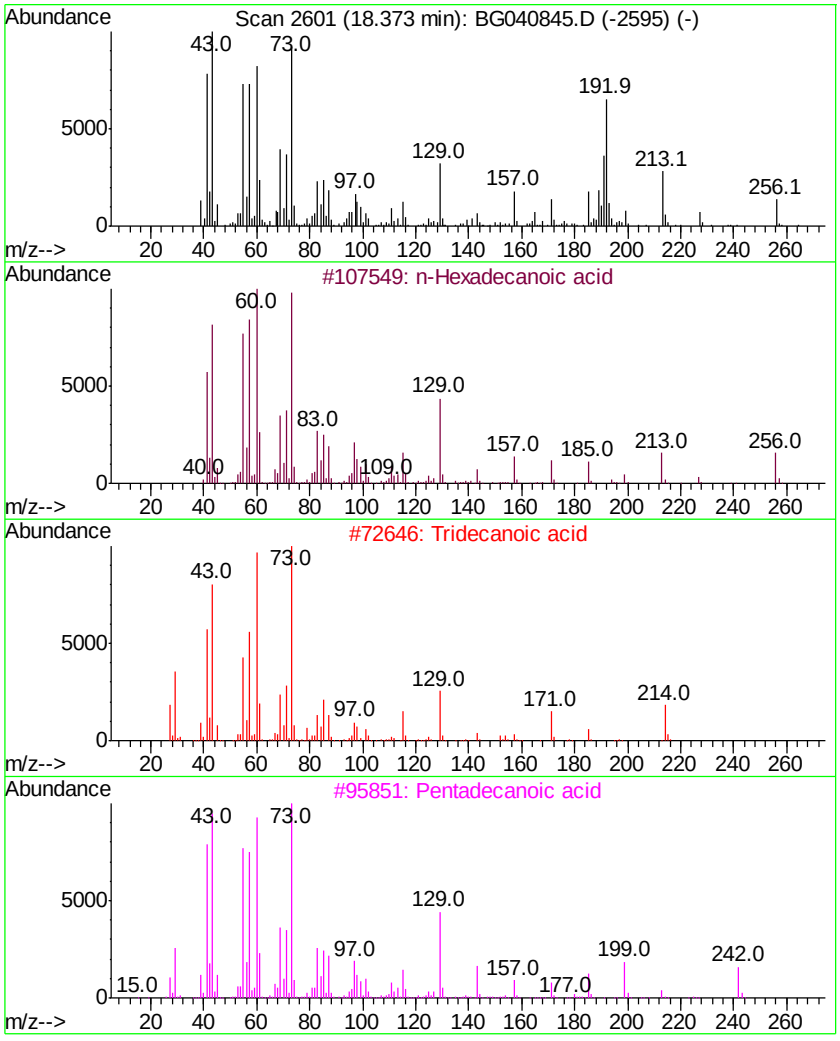
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

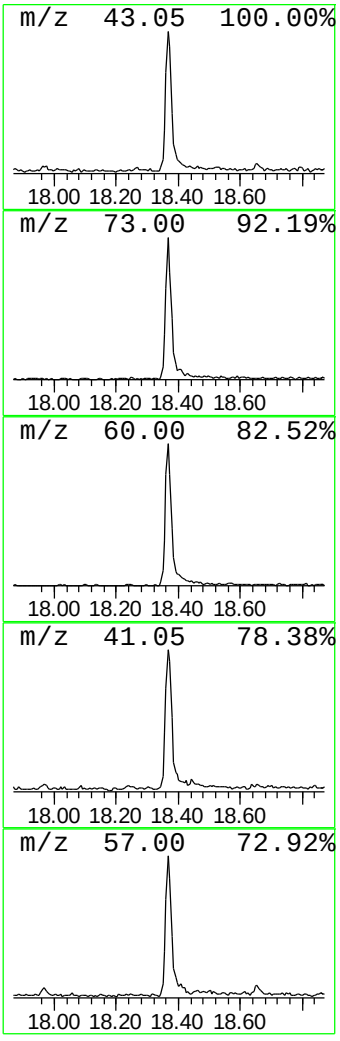
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	13.22 ng	813848	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Octadecanoic acid	284	C18H36O2	000057-11-4	70
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

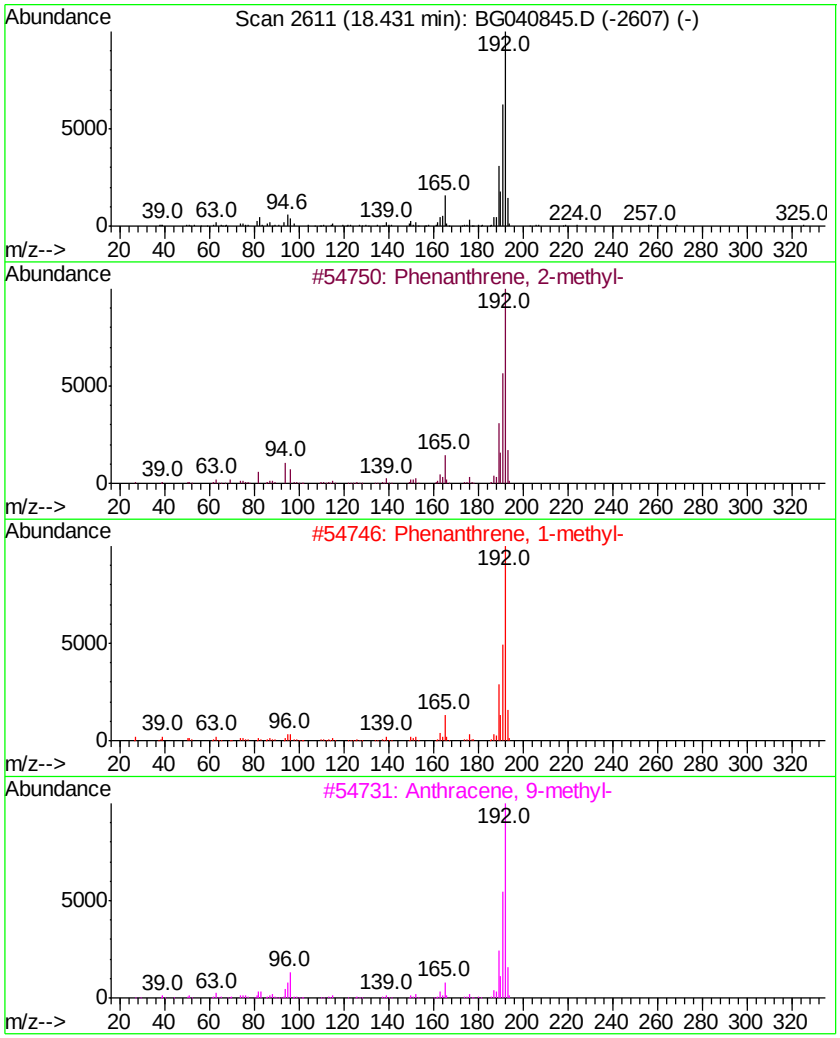
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

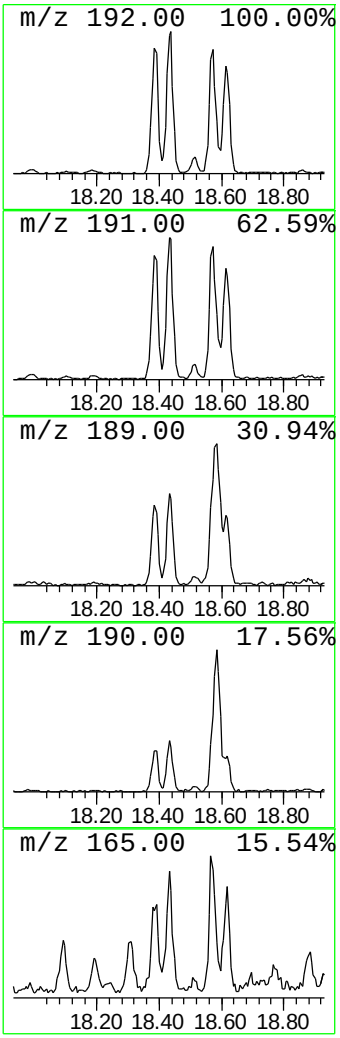
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.97 ng	305844	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

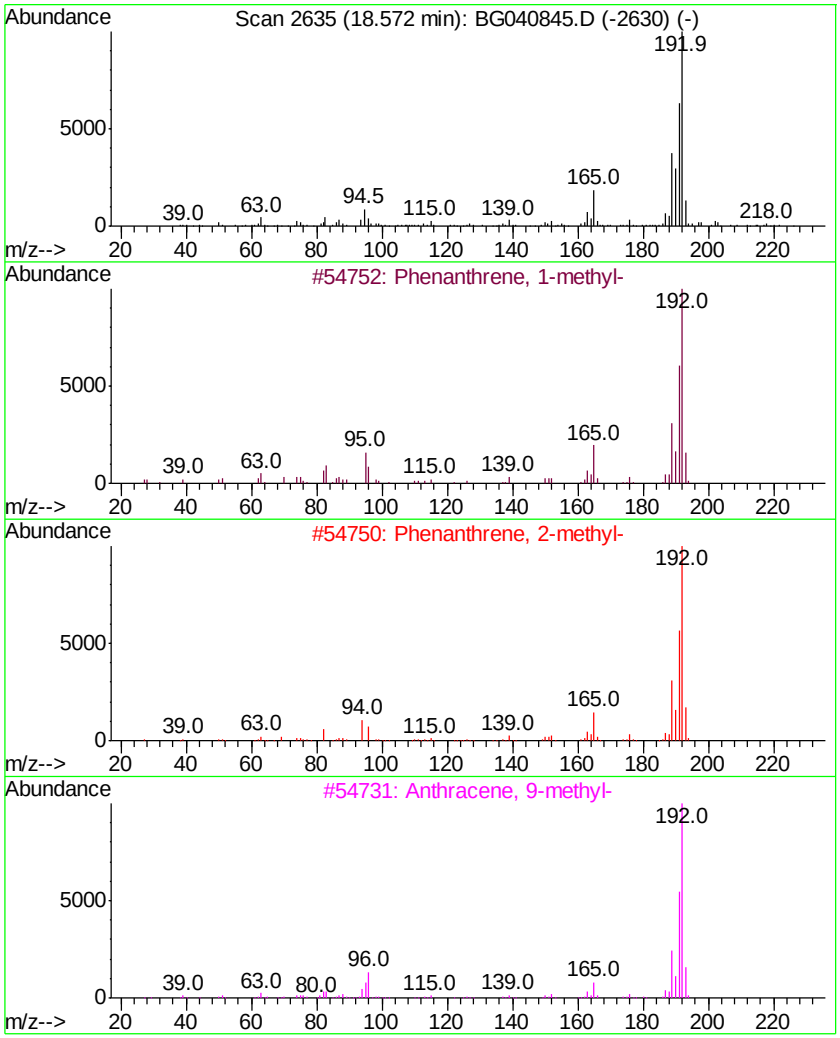
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

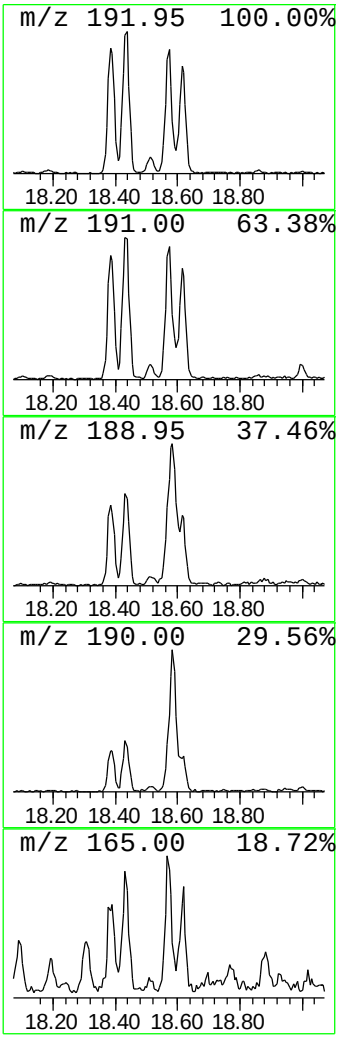
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	6.45 ng	396983	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

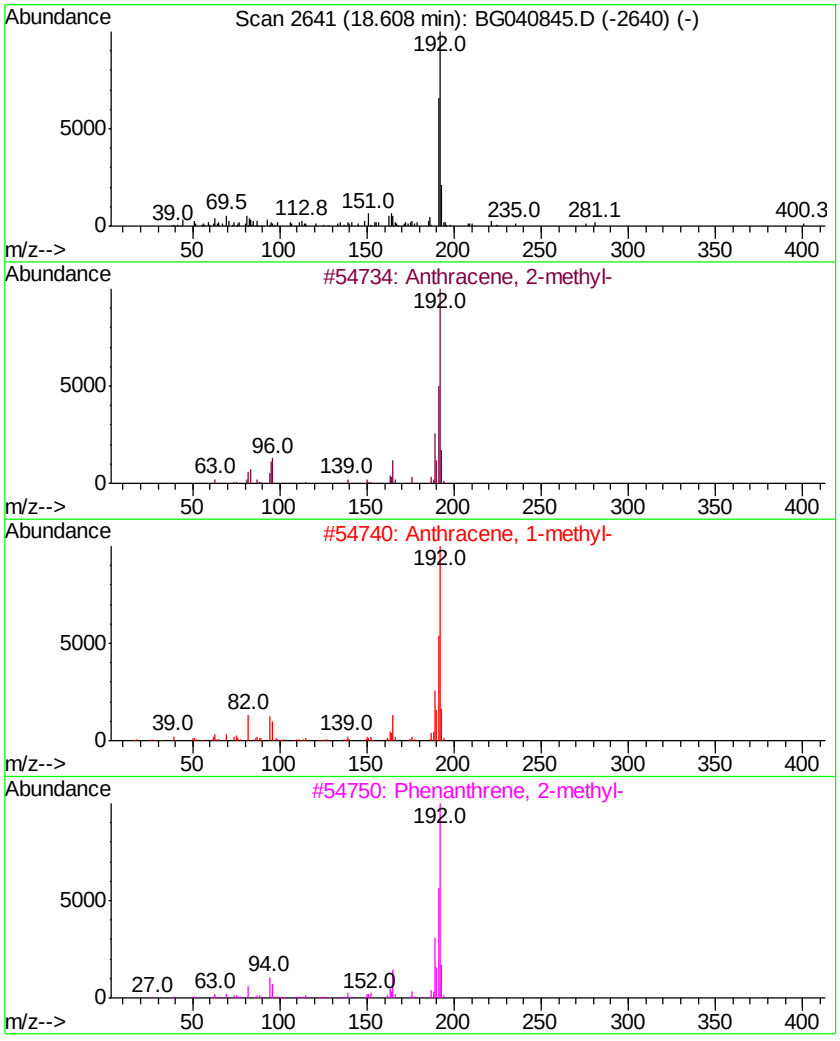
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

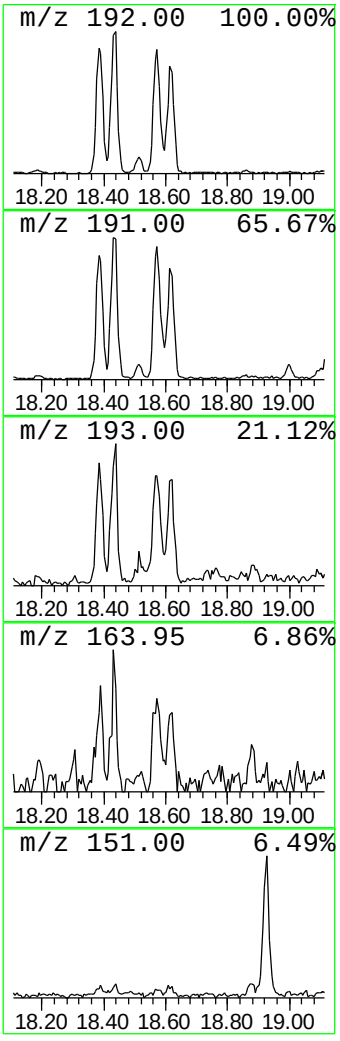
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.97 ng	182719	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

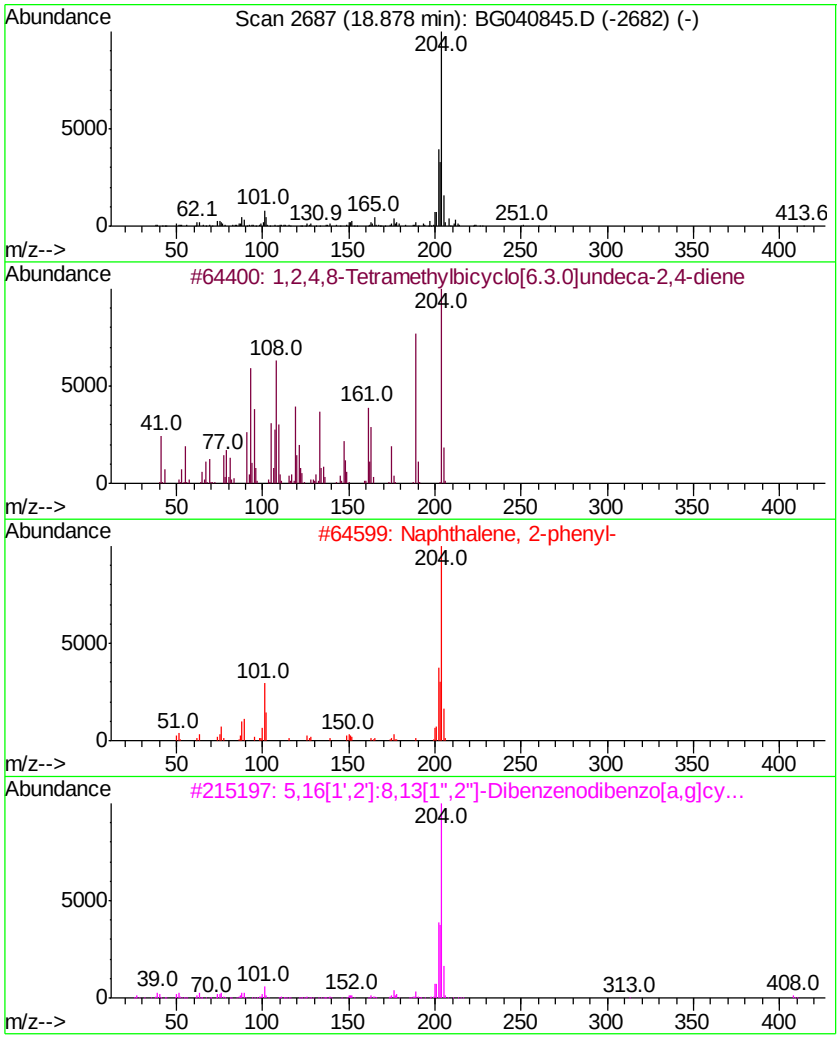
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

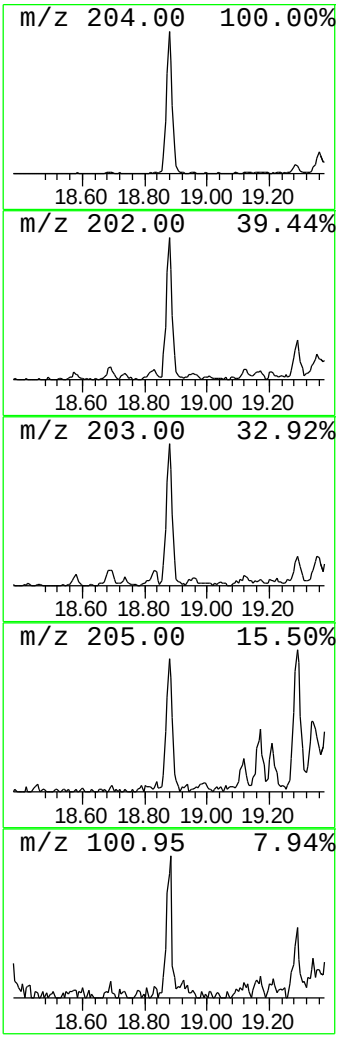
****

Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.99 ng	245462	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

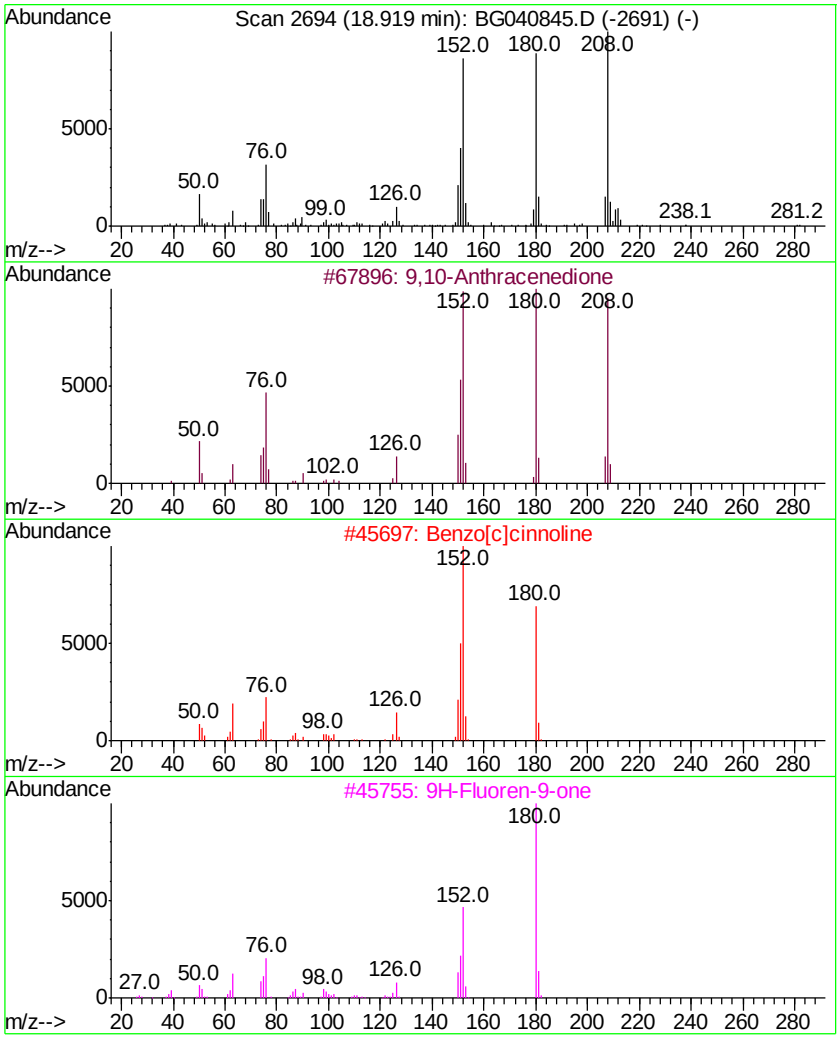
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

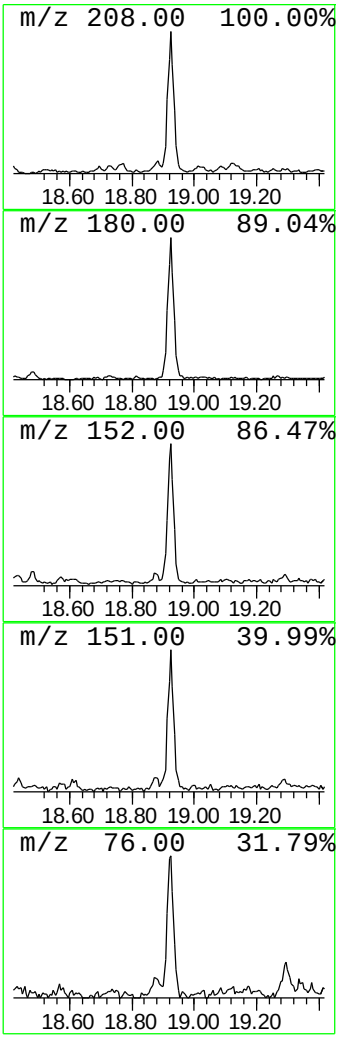
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	4.87 ng	299571	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

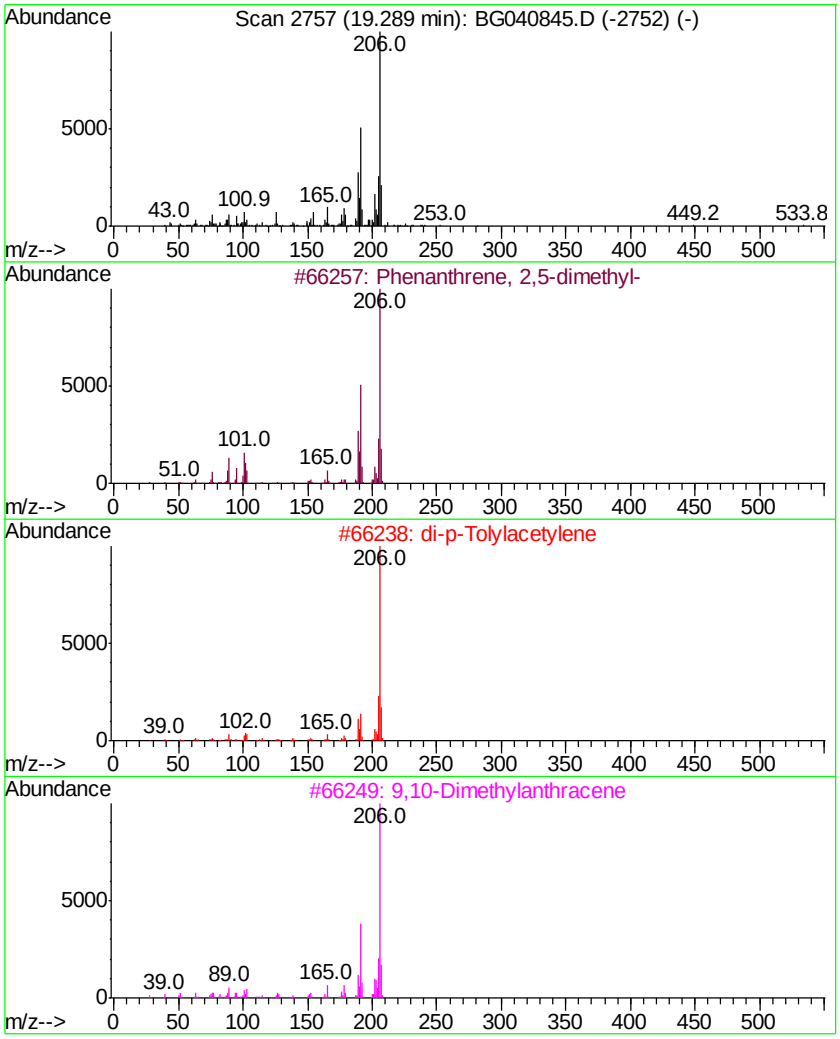
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

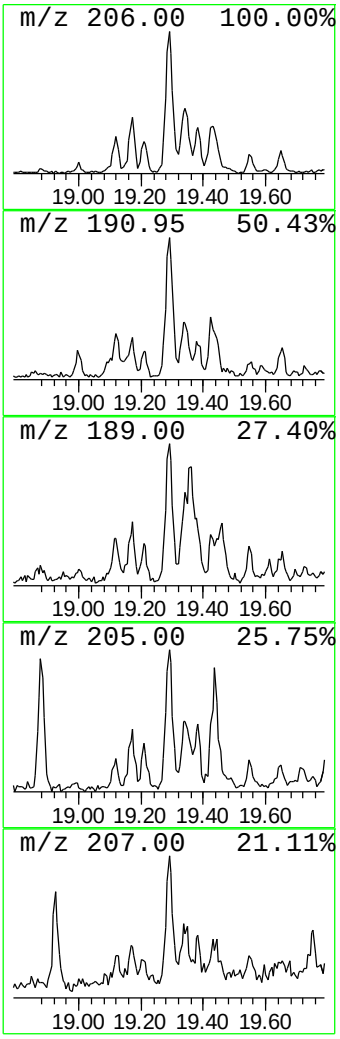
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	4.91 ng	302292	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

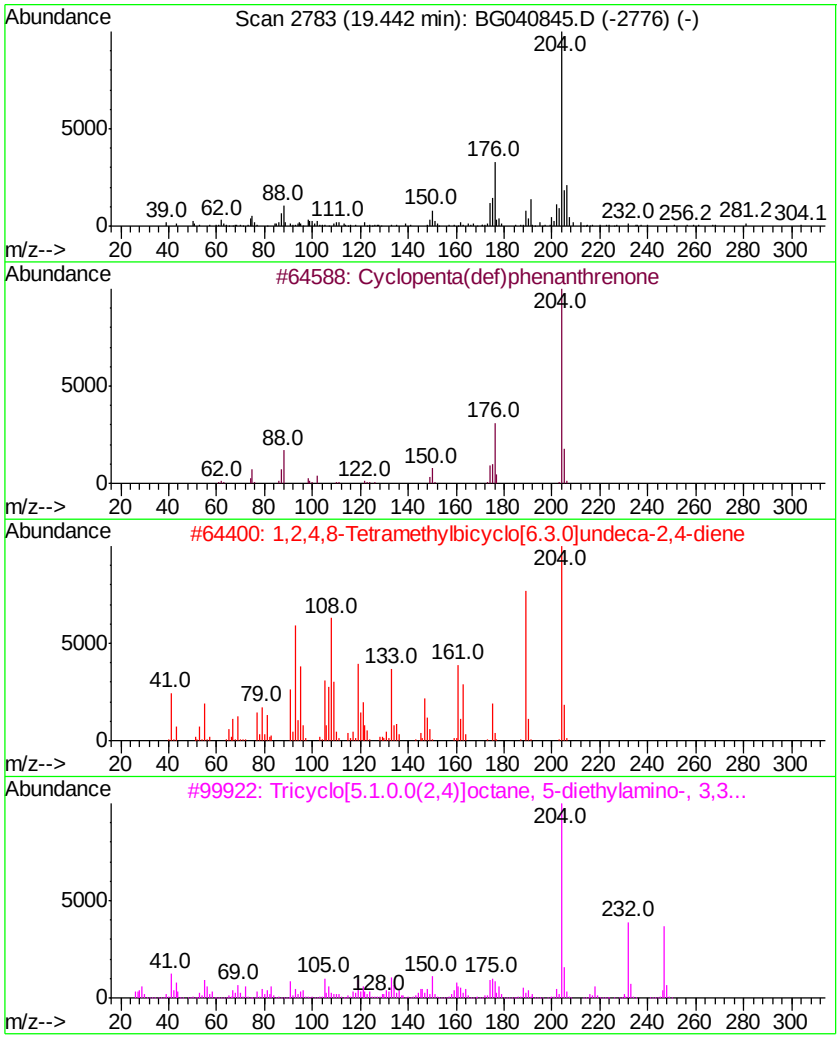
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

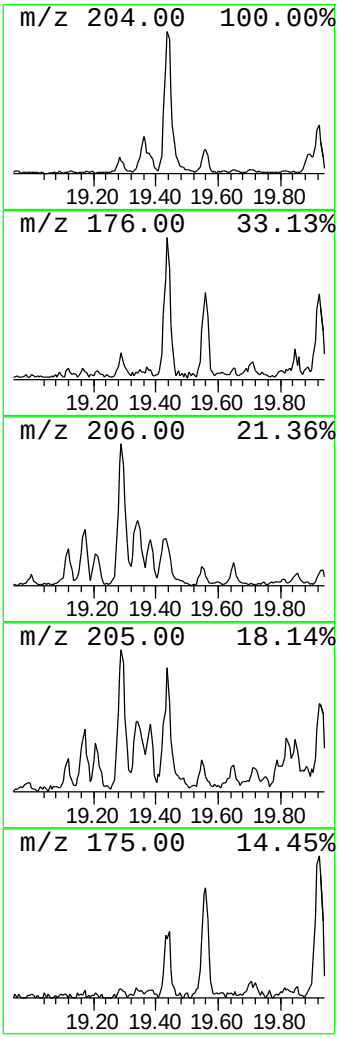
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	4.53 ng	279049	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	38
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

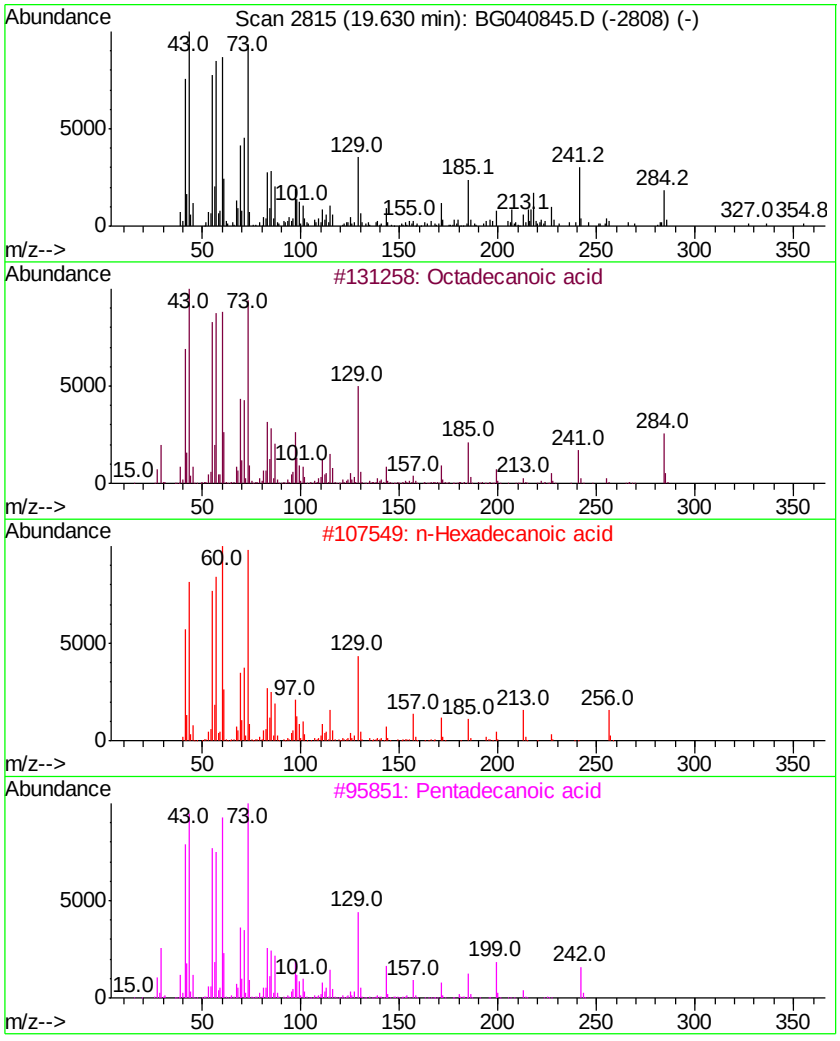
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

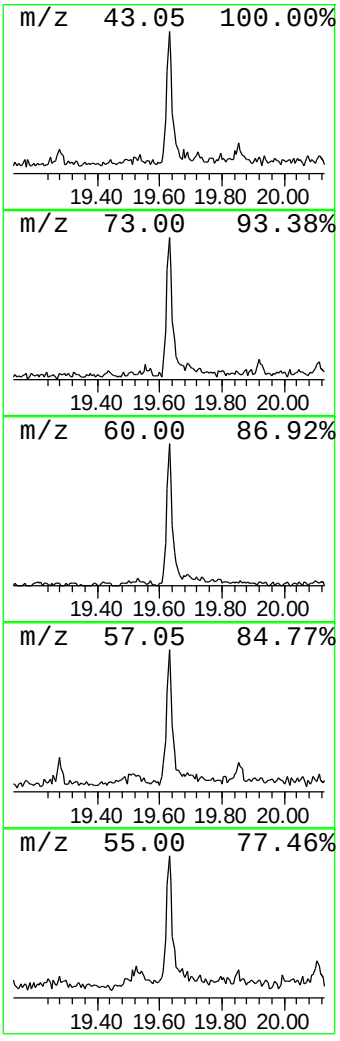
****

Peak Number 13 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	5.86 ng	360652	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

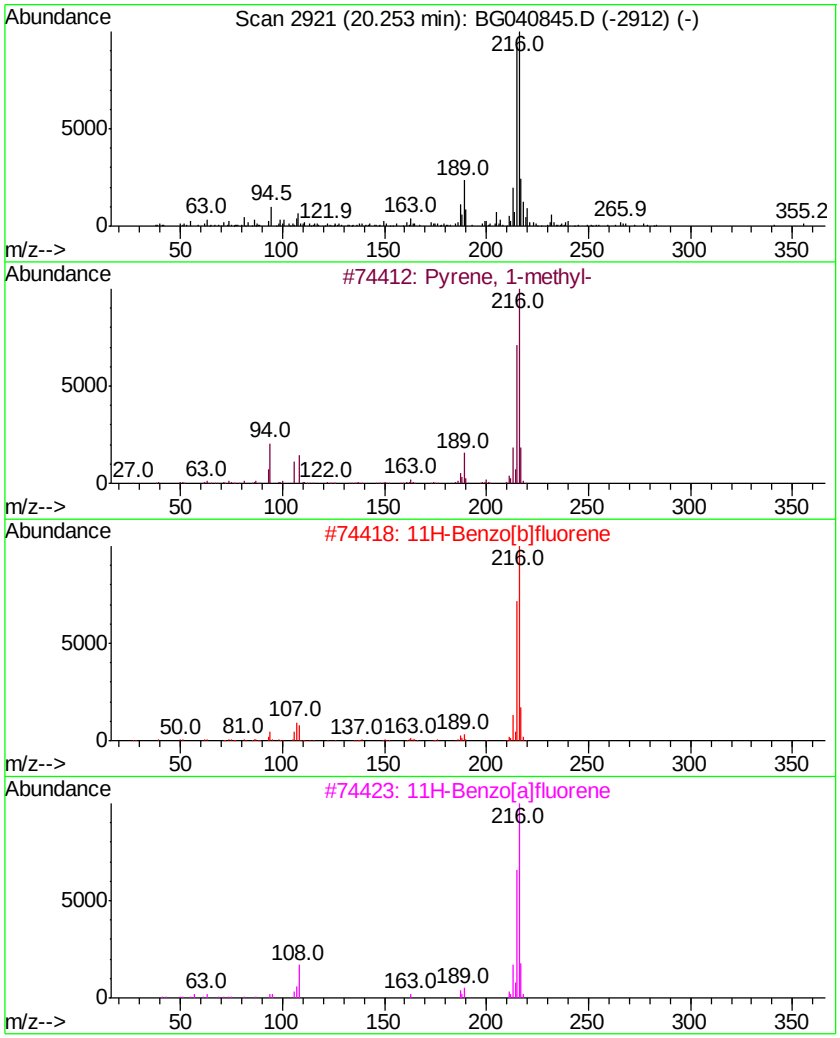
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

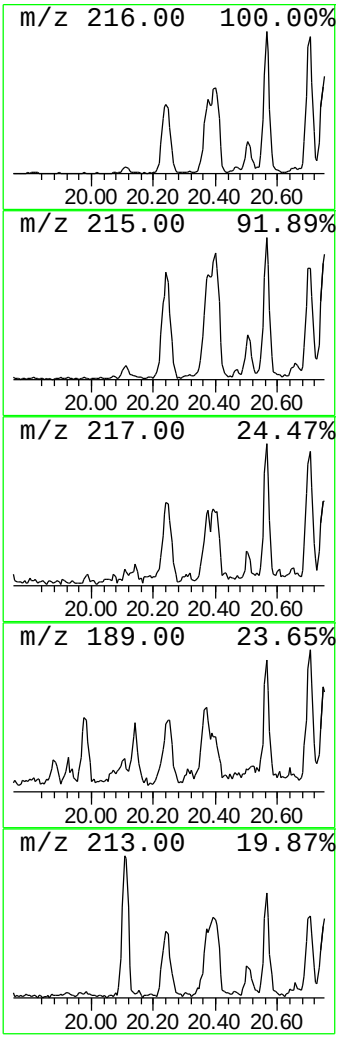
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.84 ng	321343	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

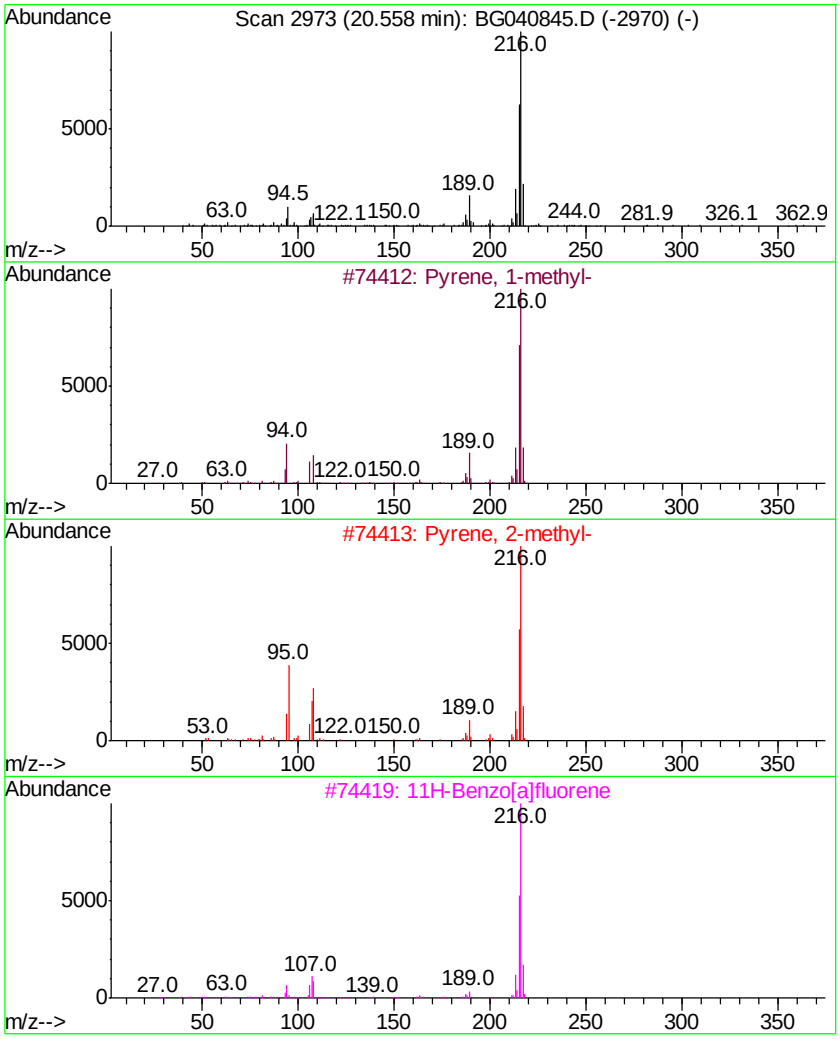
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

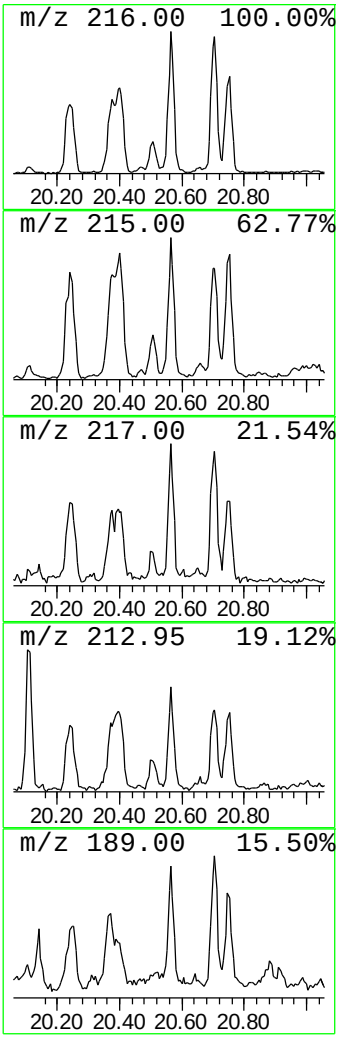
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	2.21 ng	249381	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

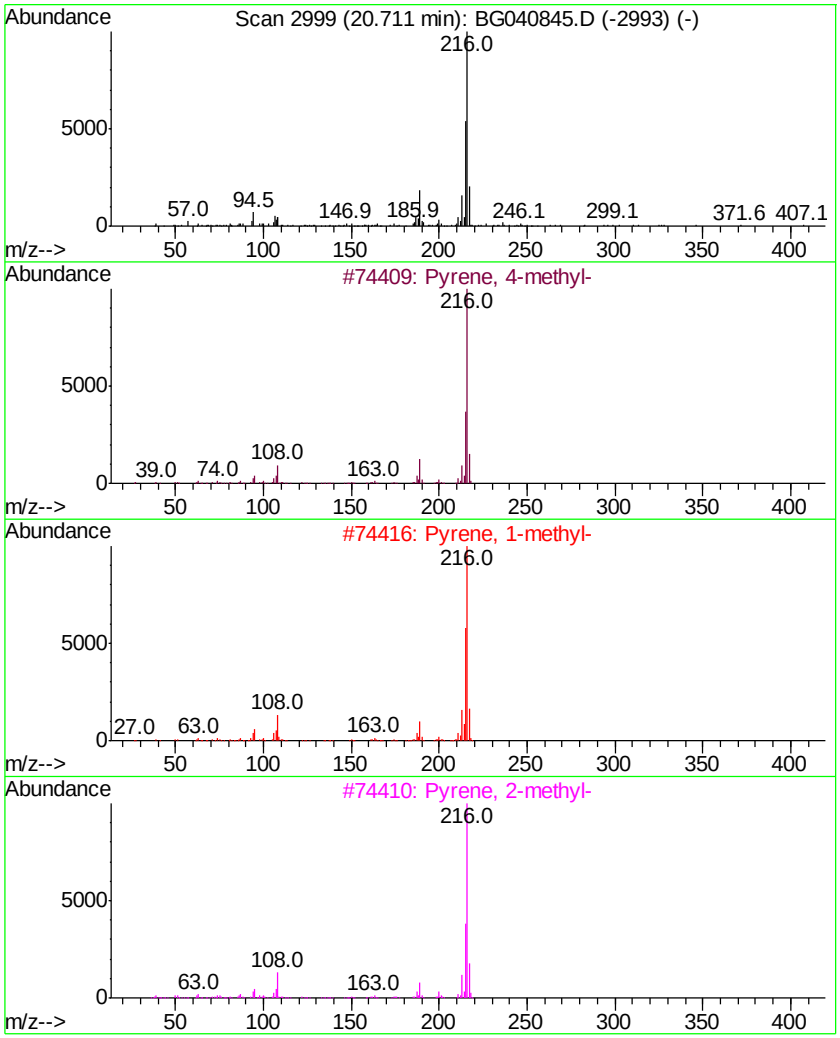
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

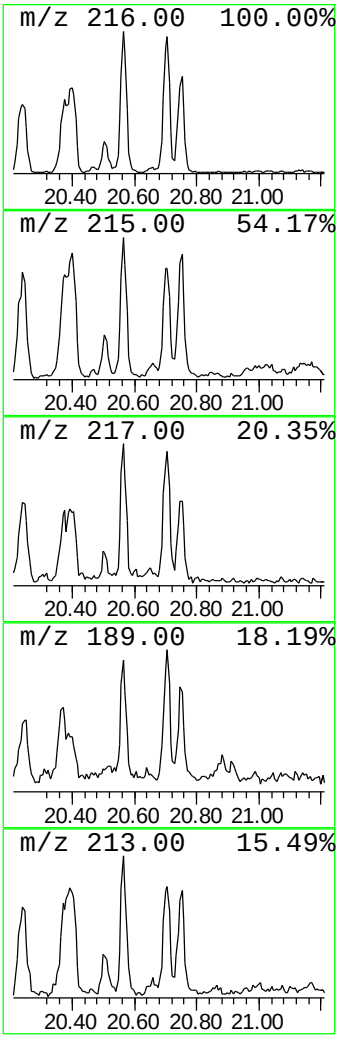
****

Peak Number 16 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	2.54 ng	287395	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

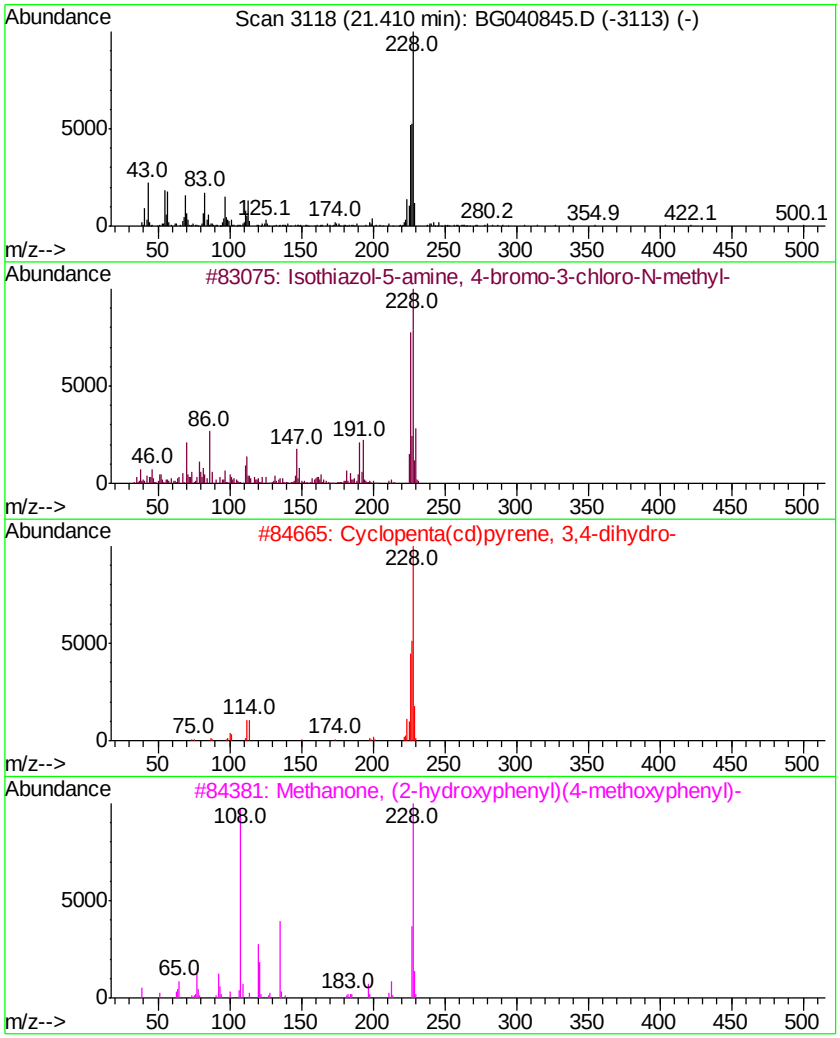
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

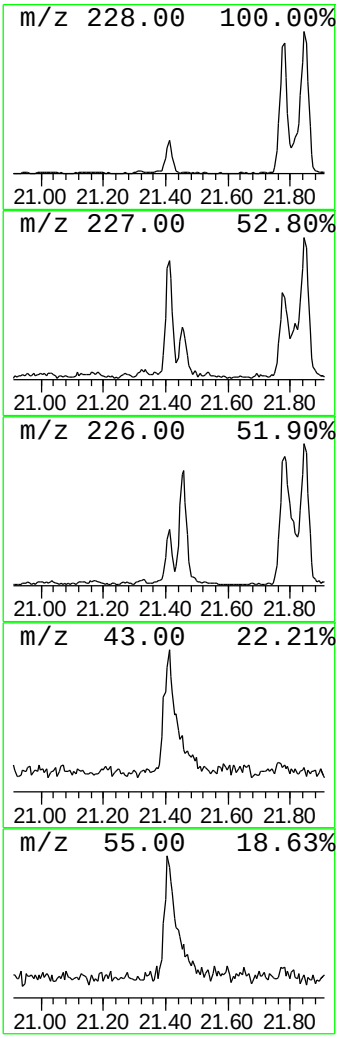
****

Peak Number 17 Isothiazol-5-amine, 4-bromo... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	3.23 ng	364648	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Methanone, (2-hydroxyphenyl)(4-m...	228	C14H12O3	018733-07-8	43
4	Chrysene	228	C18H12	000218-01-9	43
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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

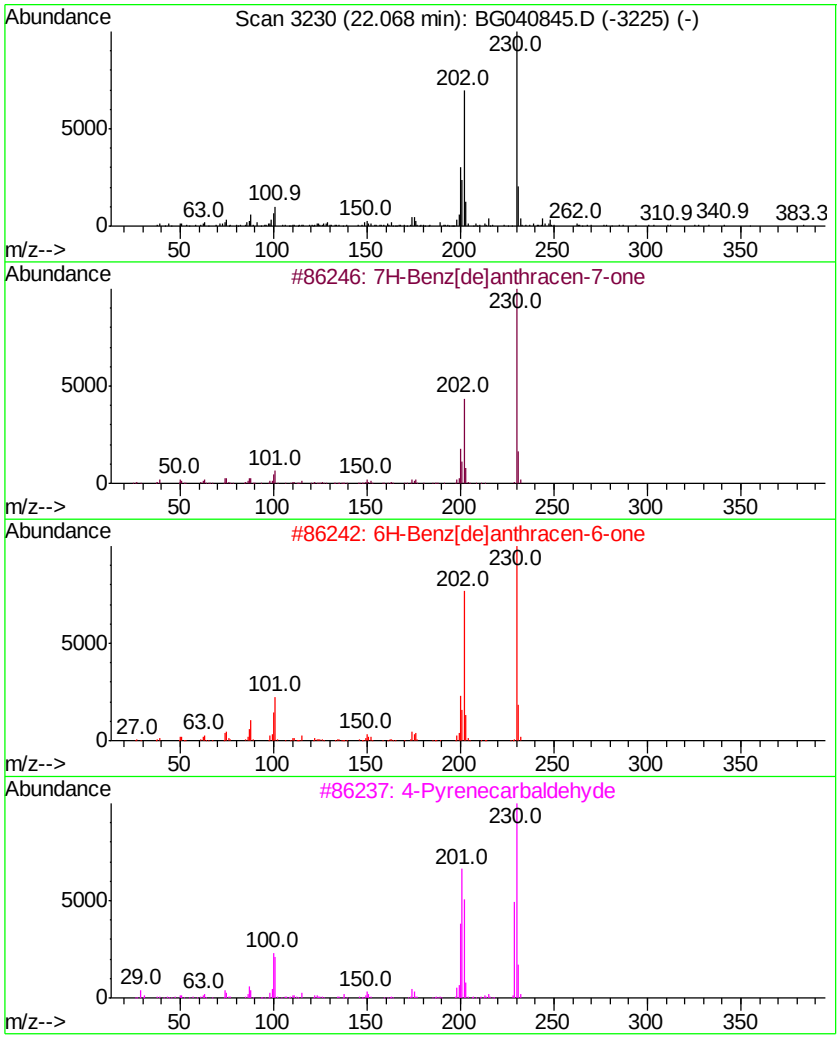
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

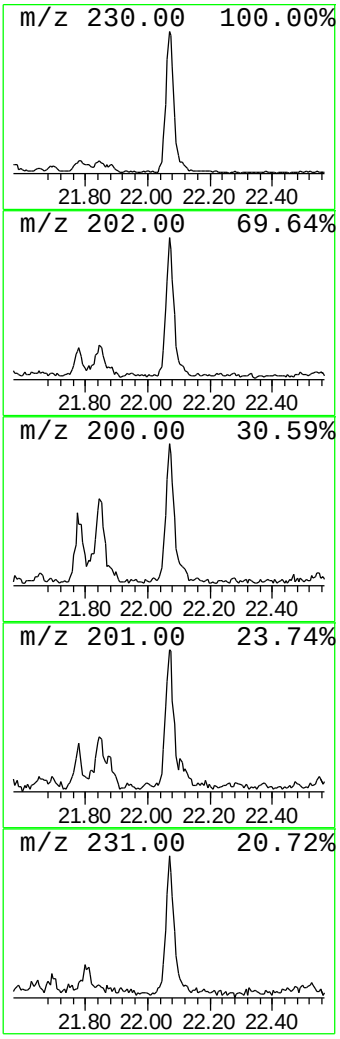
****

Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.07	3.68 ng	416063	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	62
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	58
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS002-1218-01

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	17.1	ng	376610	1	8.14	441801	20.0
unknown7.67	7.67	115.0	ng	2539140	1	8.14	441801	20.0
n-Hexadecanoic acid	18.37	13.2	ng	813848	4	17.51	1230790	20.0
Phenanthrene, 2-m...	18.43	5.0	ng	305844	4	17.51	1230790	20.0
Phenanthrene, 1-m...	18.57	6.5	ng	396983	4	17.51	1230790	20.0
Anthracene, 2-met...	18.61	3.0	ng	182719	4	17.51	1230790	20.0
1,2,4,8-Tetrameth...	18.88	4.0	ng	245462	4	17.51	1230790	20.0
9,10-Anthracenedione	18.92	4.9	ng	299571	4	17.51	1230790	20.0
Phenanthrene, 2,5...	19.29	4.9	ng	302292	4	17.51	1230790	20.0
Cyclopenta(def)ph...	19.44	4.5	ng	279049	4	17.51	1230790	20.0
Octadecanoic acid	19.63	5.9	ng	360652	4	17.51	1230790	20.0
11H-Benzo[b]fluorene	20.25	2.8	ng	321343	5	21.80	2260260	20.0
Pyrene, 1-methyl-	20.56	2.2	ng	249381	5	21.80	2260260	20.0
Pyrene, 4-methyl-	20.71	2.5	ng	287395	5	21.80	2260260	20.0
Isothiazol-5-amin...	21.41	3.2	ng	364648	5	21.80	2260260	20.0
7H-Benz[de]anthra...	22.07	3.7	ng	416063	5	21.80	2260260	20.0