LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-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:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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	3.097	38	44	63	rVB	1593338	2535311	100.00%	8.649%
2	3.361	85	89	97	rVB	17339	27307	1.08%	0.093%
3	5.288	410	417	427	rVB	125301	204416	8.06%	0.697%
4	5.758	490	497	508	rBV	555456	942602	37.18%	3.216%
5	7.362	762	770	784	rBV	604289	1064638	41.99%	3.632%
6	7.744	825	835	843	rBV	592777	1037459	40.92%	3.539%
7	8.208	908	914	921	rBV	136471	235688	9.30%	0.804%
8	8.537	962	970	983	rVB	428186	763164	30.10%	2.604%
9	9.378	1104	1113	1125	rBV	368824	680648	26.85%	2.322%
10	11.029	1387	1394	1400	rBV	186119	342294	13.50%	1.168%
11	13.449	1799	1806	1813	rVB	869162	1391871	54.90%	4.748%
12	14.260	1937	1944	1951	rBV	86474	140068	5.52%	0.478%
13	14.554	1987	1994	2000	rBV2	16270	34677	1.37%	0.118%
14	14.689	2012	2017	2026	rVB	23657	33253	1.31%	0.113%
15	14.818	2032	2039	2046	rVB2	279586	443987	17.51%	1.515%
16	15.635	2174	2178	2183	rVB	38837	52773	2.08%	0.180%
17	16.034	2239	2246	2250	rBV3	12496	28127	1.11%	0.096%
18	16.299	2285	2291	2303	rVB	614700	946974	37.35%	3.231%
19	16.493	2319	2324	2327	rBV	40930	64169	2.53%	0.219%
20	17.280	2451	2458	2464	rBV	32634	52262	2.06%	0.178%
21	17.556	2499	2505	2508	rBV	309104	486873	19.20%	1.661%
22	17.597	2508	2512	2518	rVB	256861	392176	15.47%	1.338%
23	17.686	2518	2527	2532	rBV	89053	133549	5.27%	0.456%
24	18.426	2647	2653	2656	rBV	51985	76423	3.01%	0.261%
25	18.473	2656	2661	2669	rVB	85497	138592	5.47%	0.473%
26	18.549	2669	2674	2679	rBV	36983	62322	2.46%	0.213%
27	18.620	2679	2686	2690	rBV3	141908	257938	10.17%	0.880%
28	18.913	2731	2736	2740	rBV	50500	70803	2.79%	0.242%
29	18.955	2740	2743	2752	rVB3	27500	40538	1.60%	0.138%
30	19.154	2773	2777	2782	rVB3	18340	28097	1.11%	0.096%
31	19.201	2782	2785	2789	rBV	19470	27139	1.07%	0.093%
32	19.325	2801	2806	2811	rBV4	52758	89835	3.54%	0.306%
33	19.389	2813	2817	2821	rBV4	19830	32102	1.27%	0.110%
34	19.466	2826	2830	2840	rVB2	89720	162977	6.43%	0.556%

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Sample : H2589-03
Misc :
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Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-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

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Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.595	2845	2852	2857	rBV	1259641	1890107	74.55%	6.448%
36	19.683	2863	2867	2872	rVB2	31708	44582	1.76%	0.152%
37	19.742	2872	2877	2879	rBV2	30376	47114	1.86%	0.161%
38	19.830	2885	2892	2900	rVB2	40289	87154	3.44%	0.297%
39	19.912	2900	2906	2909	rVV	180960	318836	12.58%	1.088%
40	19.953	2909	2913	2920	rVV	1068841	1615999	63.74%	5.513%
41	20.012	2920	2923	2929	rVB2	57839	89828	3.54%	0.306%
42	20.141	2937	2945	2950	rBV	1213534	1769405	69.79%	6.036%
43	20.188	2950	2953	2958	rVB	56410	82932	3.27%	0.283%
44	20.259	2959	2965	2973	rBV4	106675	291813	11.51%	0.996%
45	20.435	2983	2995	3000	rBV	244603	513202	20.24%	1.751%
46	20.535	3007	3012	3016	rBV	194155	286847	11.31%	0.979%
47	20.594	3016	3022	3026	rVB2	119560	223413	8.81%	0.762%
48	20.735	3042	3046	3049	rVV	63346	93872	3.70%	0.320%
49	20.776	3050	3053	3062	rVB2	65586	114512	4.52%	0.391%
50	20.917	3075	3077	3081	rVB2	42318	44378	1.75%	0.151%
51	21.023	3093	3095	3099	rBV2	20255	29200	1.15%	0.100%
52	21.158	3114	3118	3121	rBV4	28561	49351	1.95%	0.168%
53	21.205	3122	3126	3134	rVB	89804	153359	6.05%	0.523%
54	21.393	3151	3158	3161	rBV3	95005	195746	7.72%	0.668%
55	21.434	3161	3165	3170	rVV2	195211	326955	12.90%	1.115%
56	21.487	3170	3174	3179	rVV2	123474	244318	9.64%	0.833%
57	21.546	3179	3184	3193	rVB2	105044	202410	7.98%	0.691%
58	21.810	3223	3229	3237	rBV2	769887	1979877	78.09%	6.754%
59	21.875	3237	3240	3252	rVB	540940	956709	37.74%	3.264%
60	22.033	3263	3267	3273	rVB2	48389	75144	2.96%	0.256%
61	22.098	3274	3278	3283	rVV	57986	92810	3.66%	0.317%
62	22.245	3298	3303	3310	rVB2	67206	133384	5.26%	0.455%
63	22.574	3351	3359	3364	rBV	94123	215857	8.51%	0.736%
64	22.803	3394	3398	3403	rVB2	44458	72584	2.86%	0.248%
65	22.862	3404	3408	3411	rBV	47979	77024	3.04%	0.263%
66	24.107	3610	3620	3627	rBV2	394925	1462543	57.69%	4.989%
67	24.366	3658	3664	3673	rVB2	90918	225460	8.89%	0.769%
68	24.859	3740	3748	3761	rVB2	221854	687955	27.13%	2.347%
69	25.006	3764	3773	3788	rVB	358627	1087585	42.90%	3.710%
70	25.165	3792	3800	3808	rBV2	164778	509420	20.09%	1.738%

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Misc :
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Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 29312737

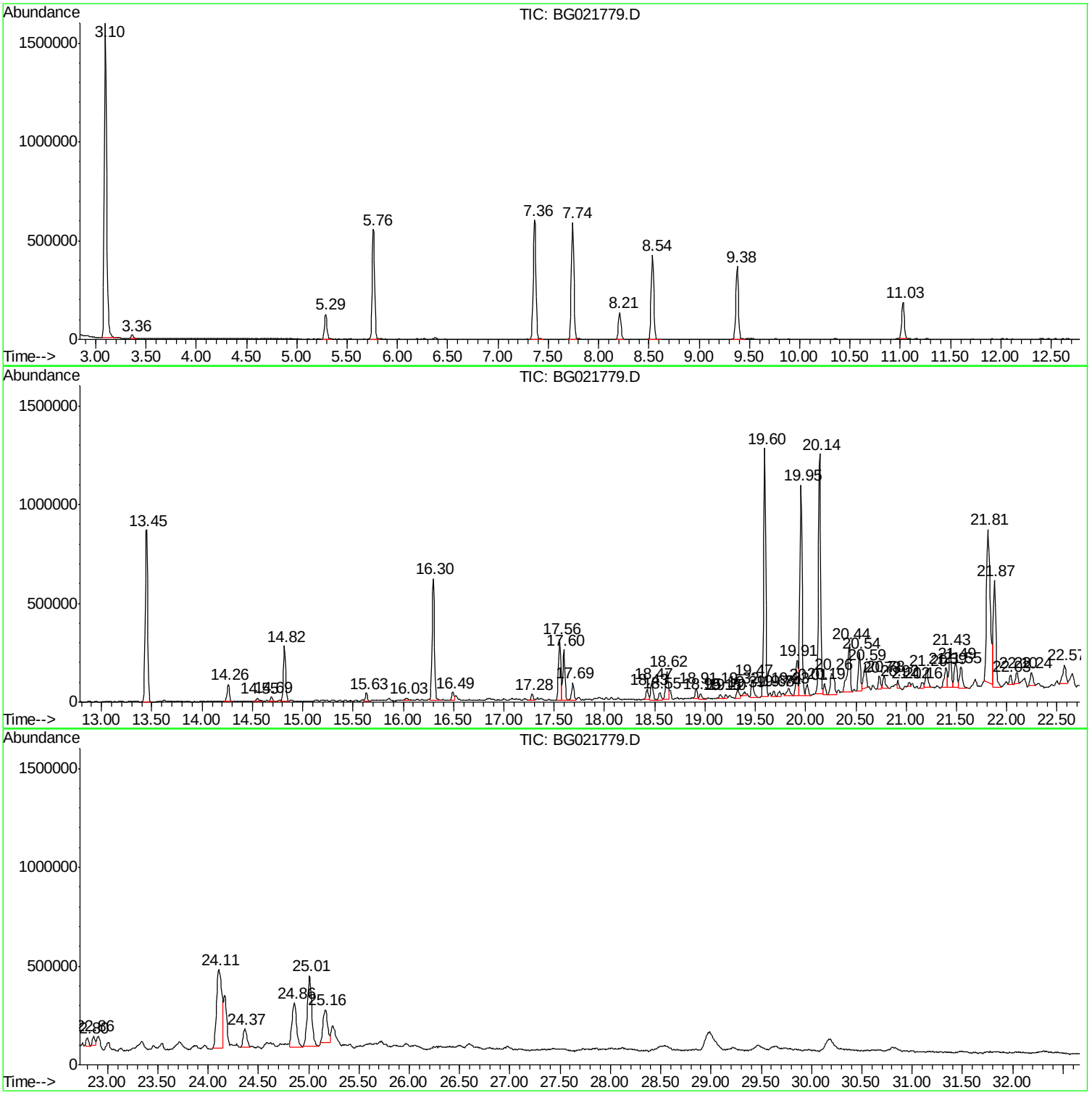
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

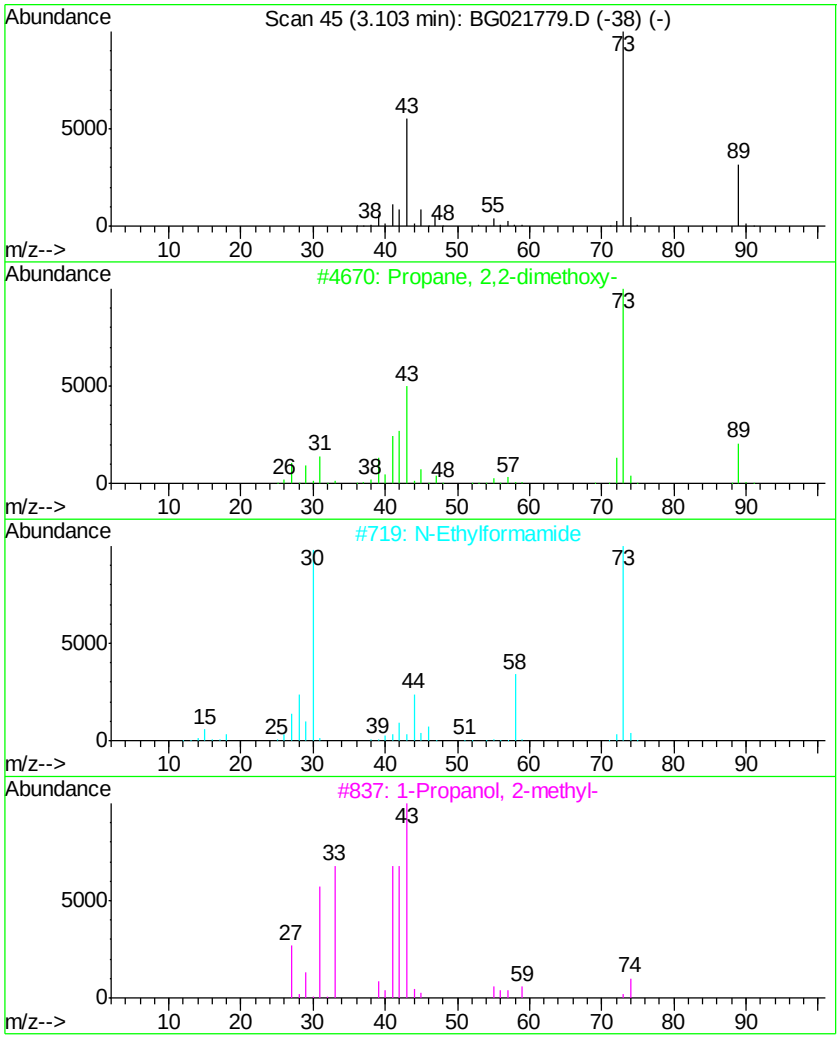
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

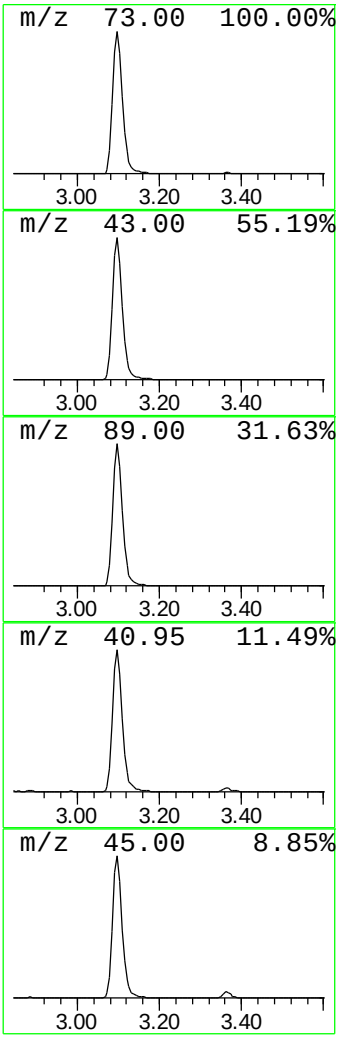
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	215.14 ng	2535310	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	64
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
4	2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	9
5	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

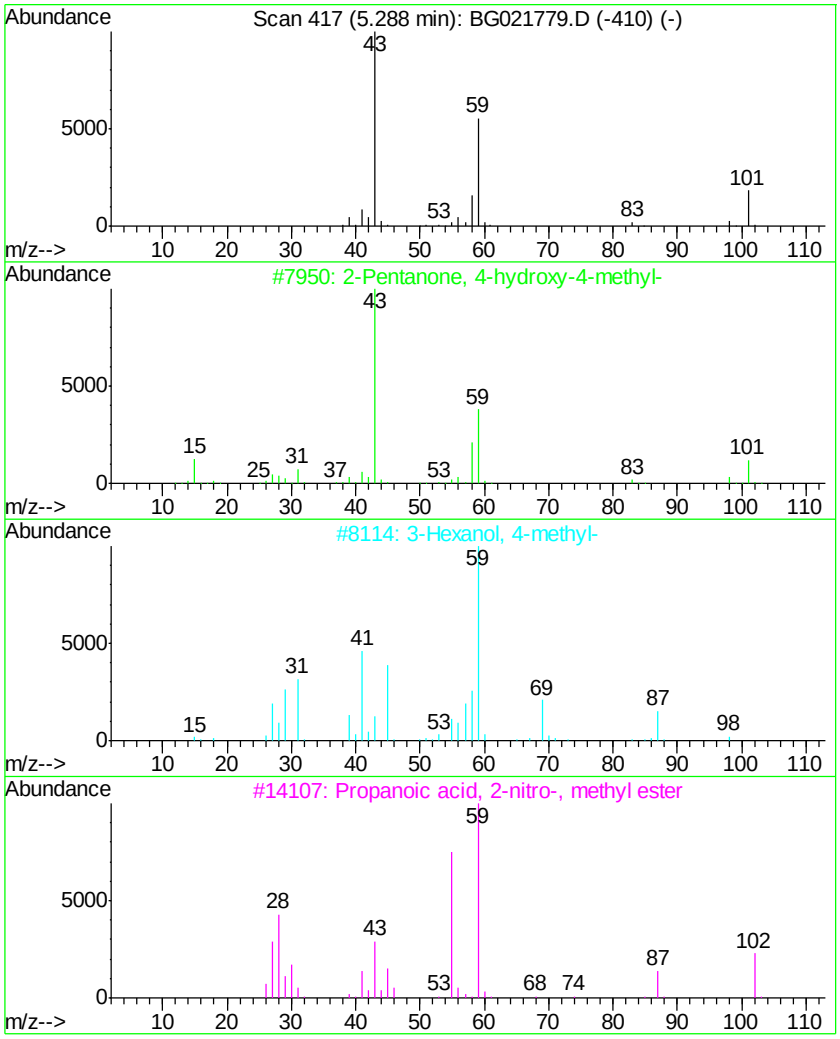
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

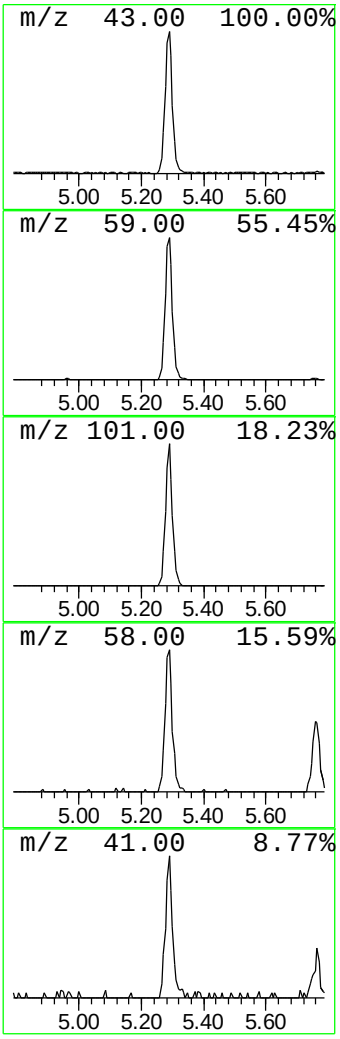
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	17.35 ng	204416	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9
5	1,2-Butanediol, (.+/-.)-	90	C4H10O2	026171-83-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

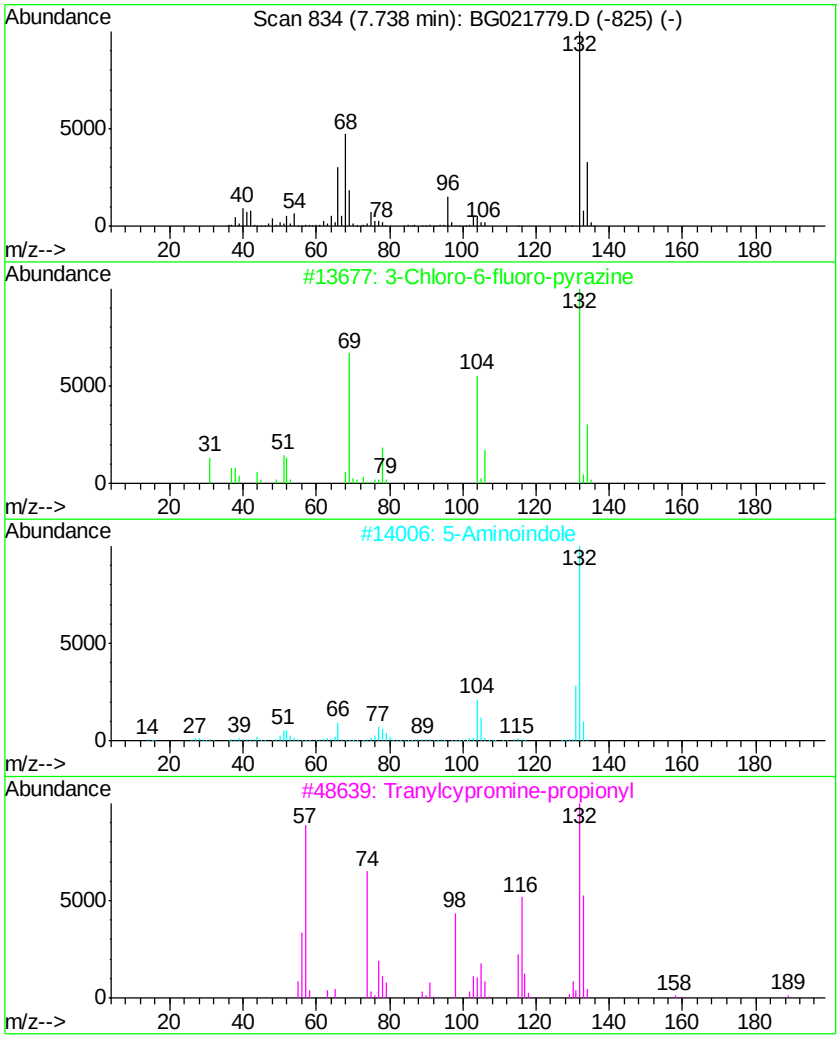
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

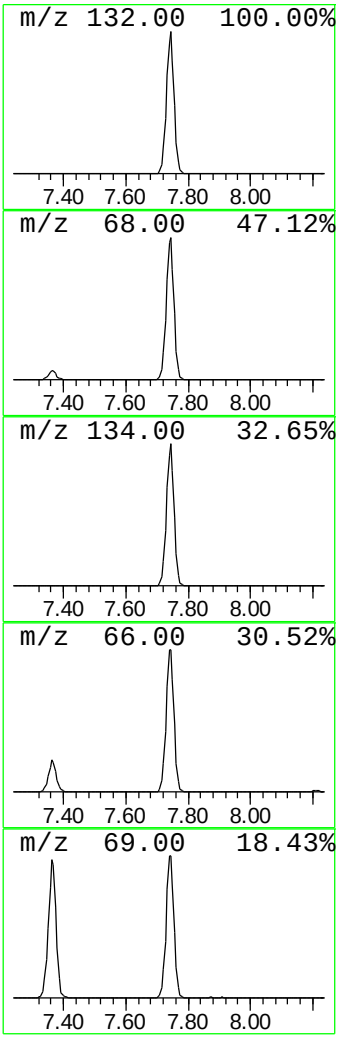
****

Peak Number 3 unknown7.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	88.04 ng	1037460	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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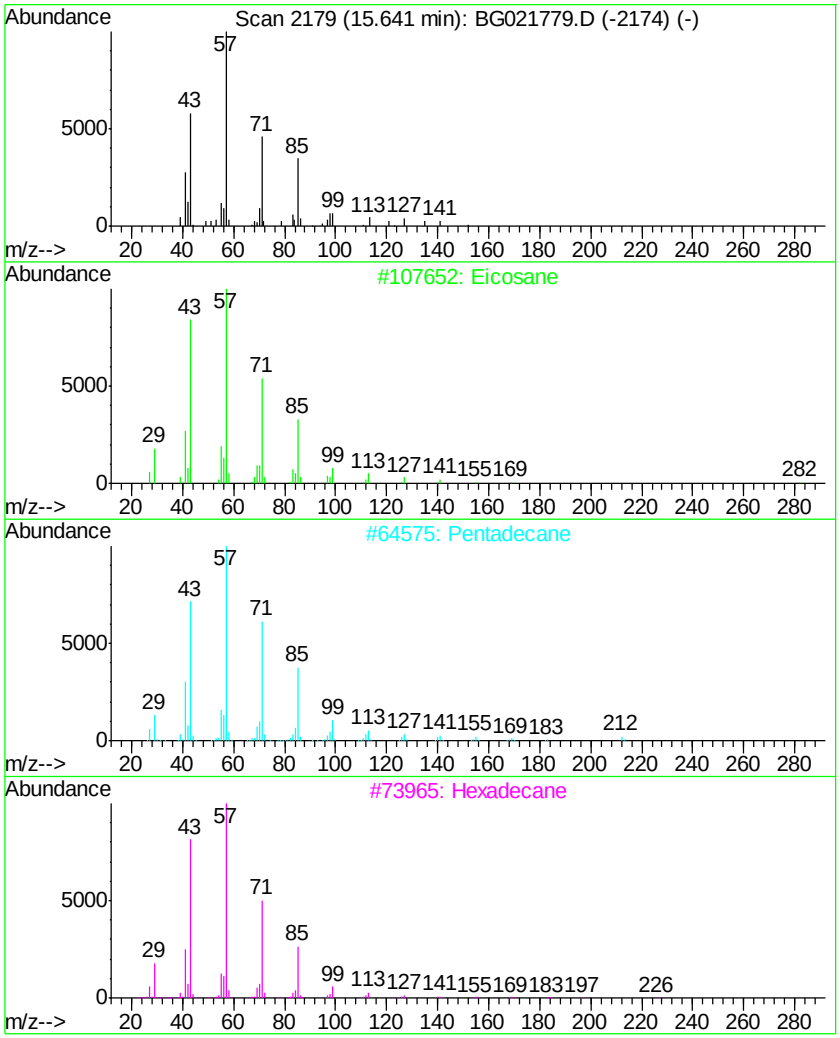
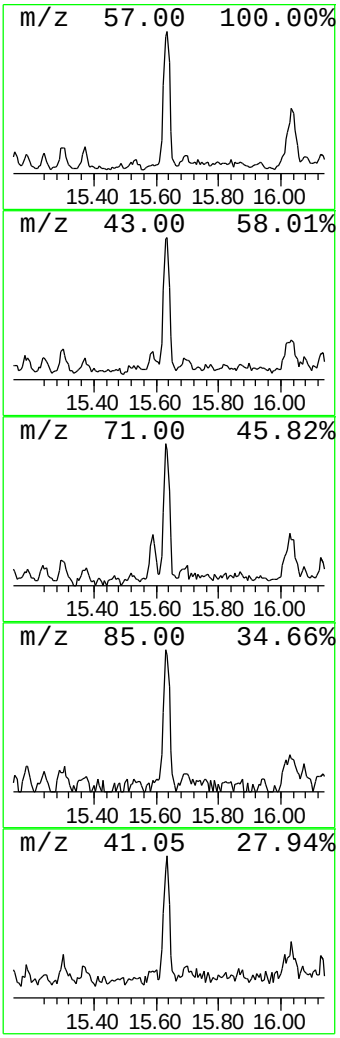
****

Peak Number 5 Eicosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.38 ng	52773	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Tetradecane	198	C14H30	000629-59-4	90





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Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

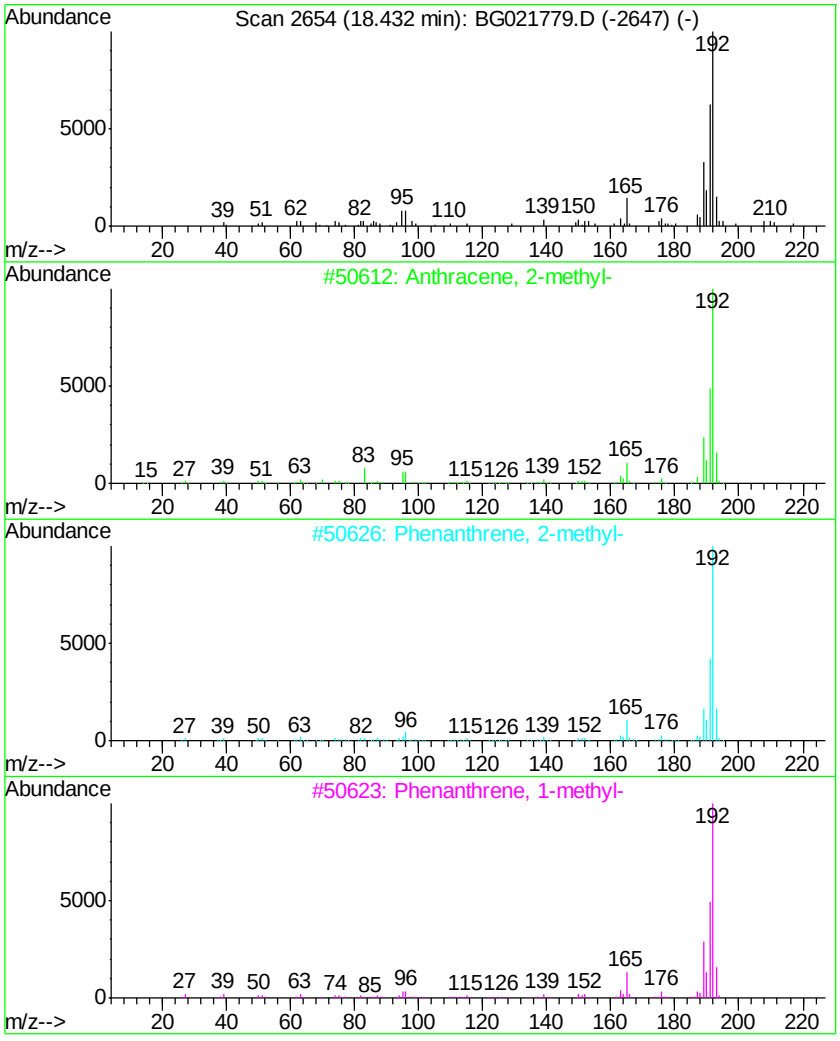
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

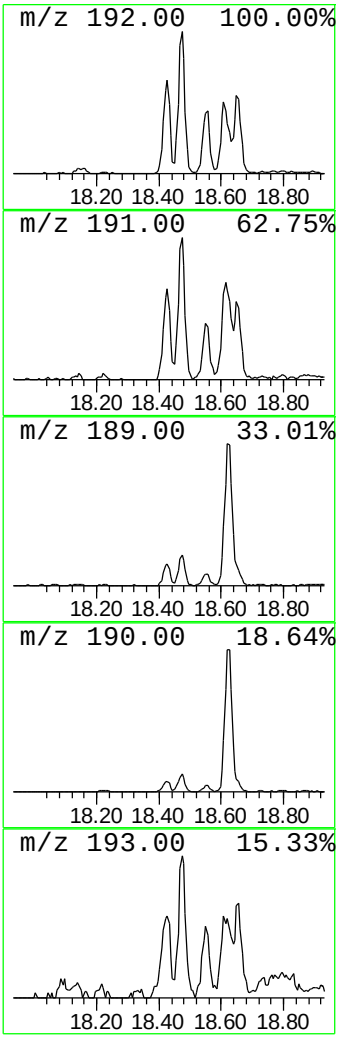
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.14 ng	76423	Phenanthrene-d10	17.56

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	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

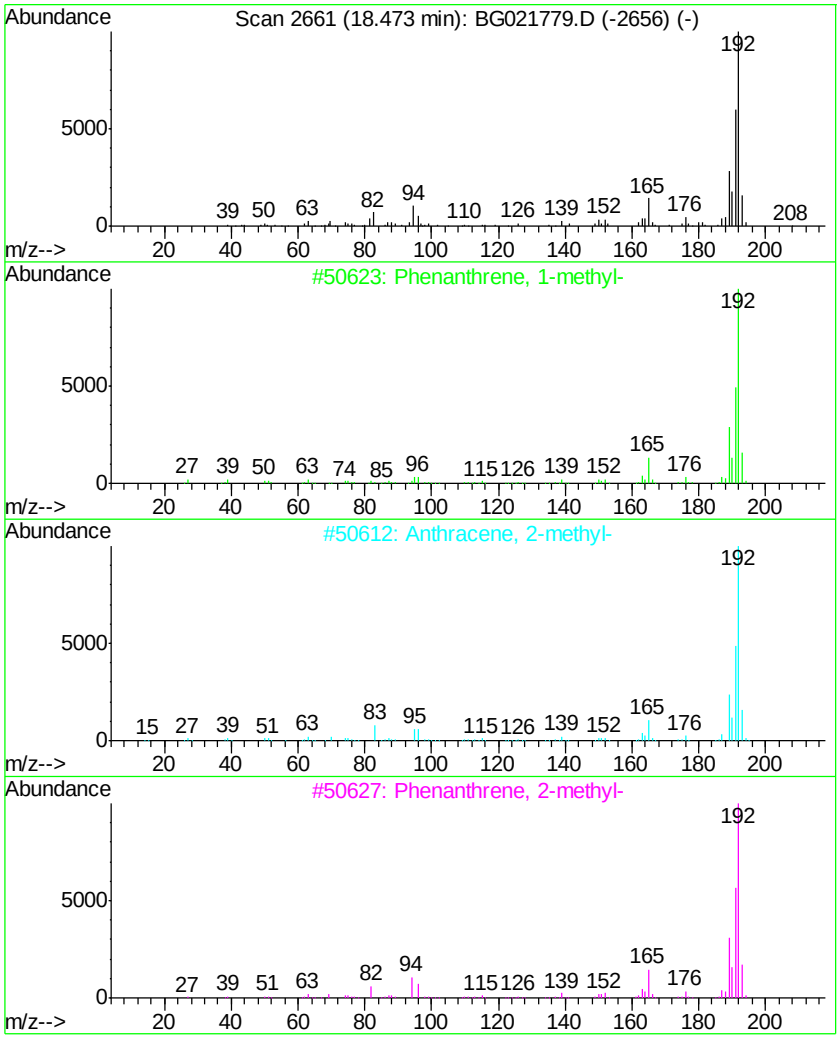
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

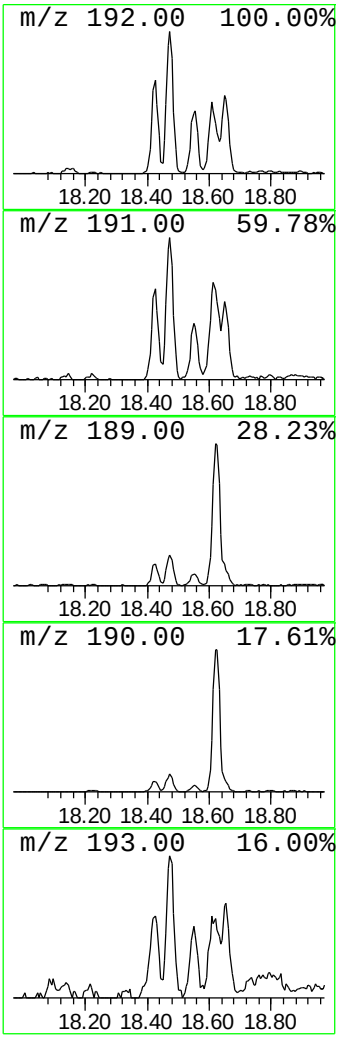
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	5.69 ng	138592	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
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Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

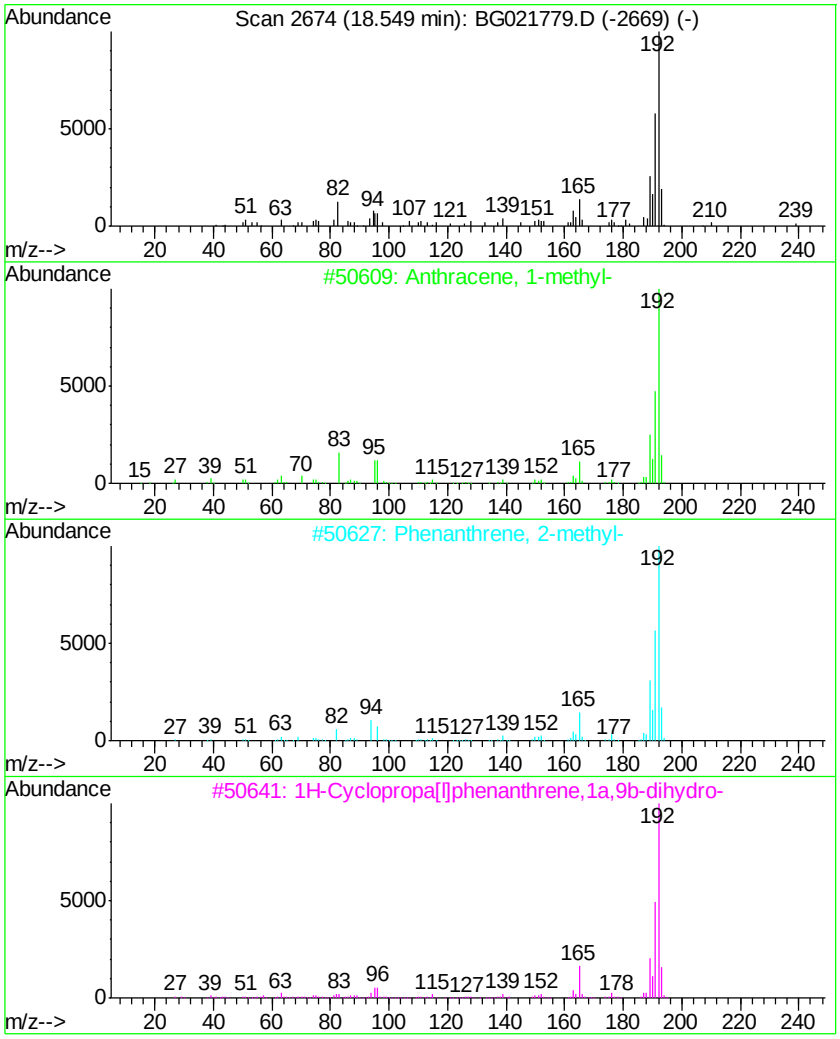
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

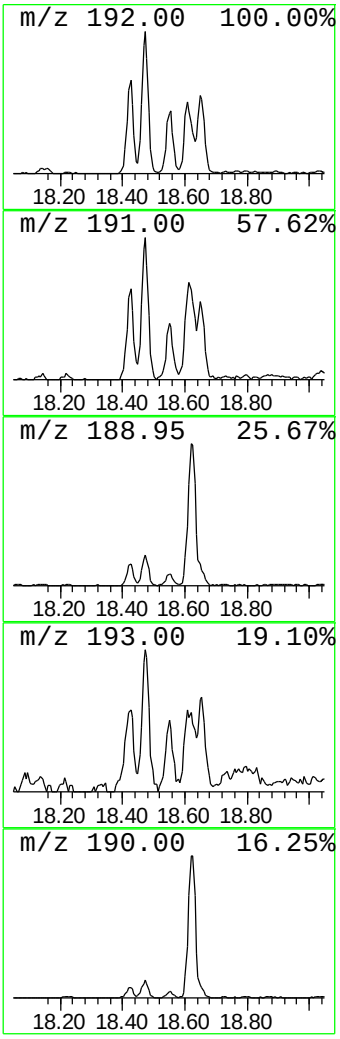
****

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.56 ng	62322	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021779.D
Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

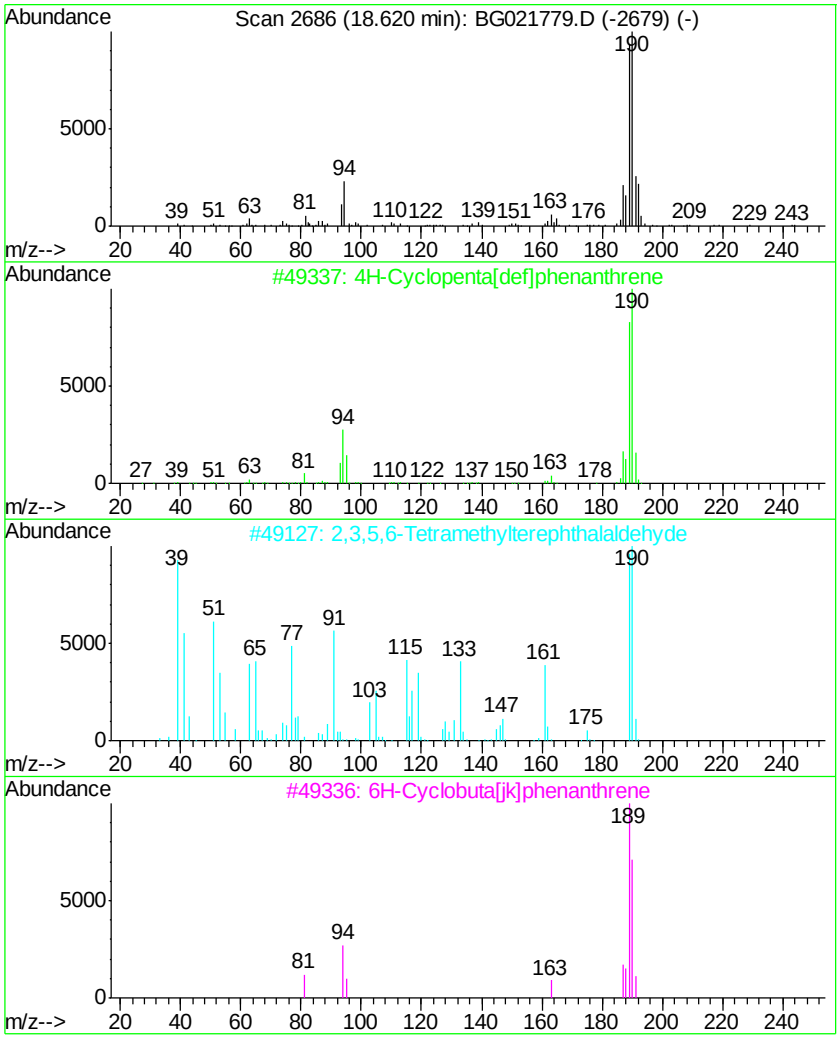
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

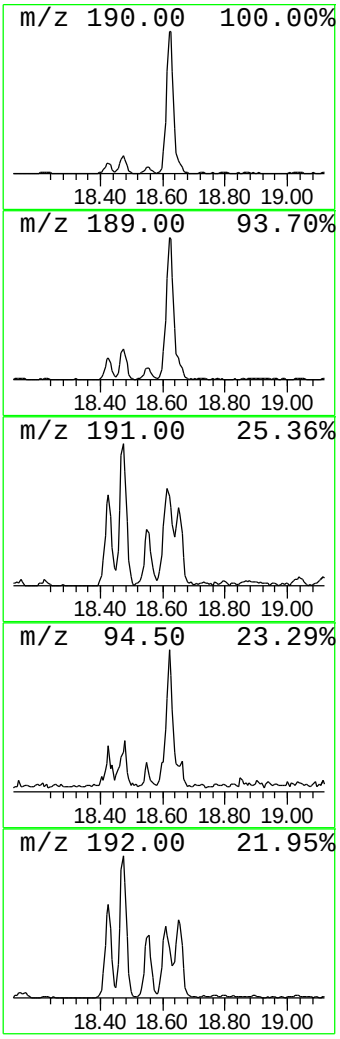
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	10.60 ng	257938	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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Acq On : 20 Apr 2016 11:08
Operator : UM/SJ
Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

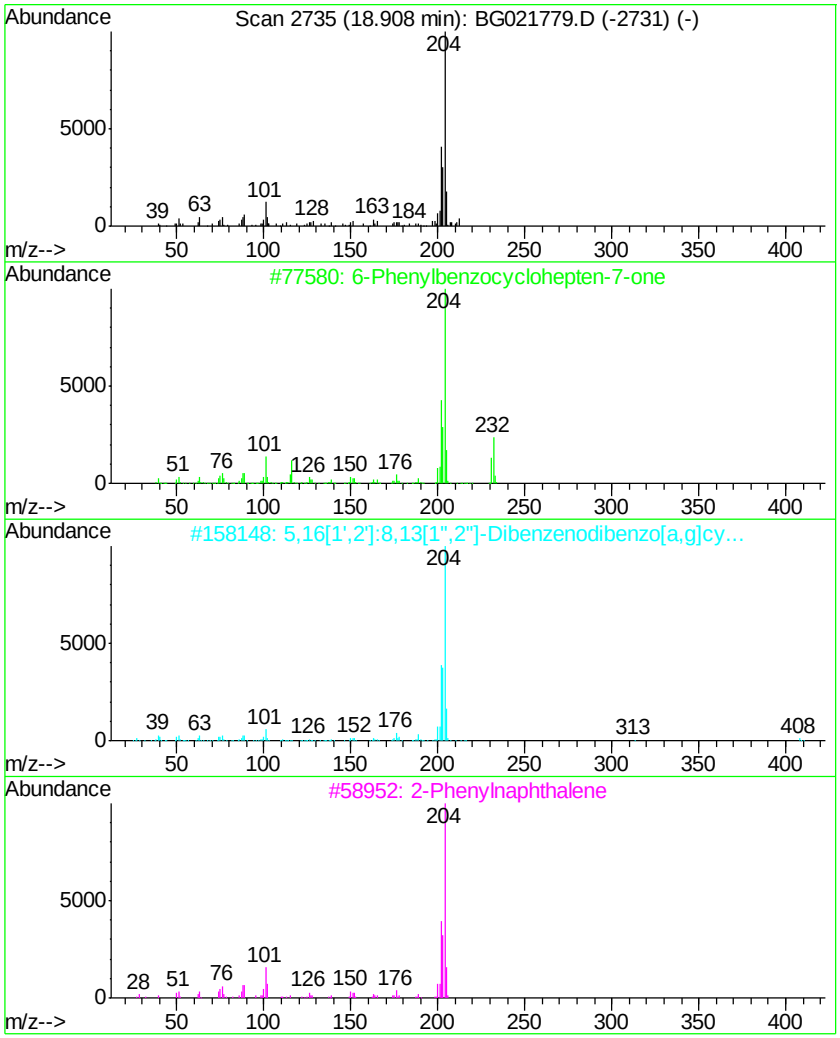
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

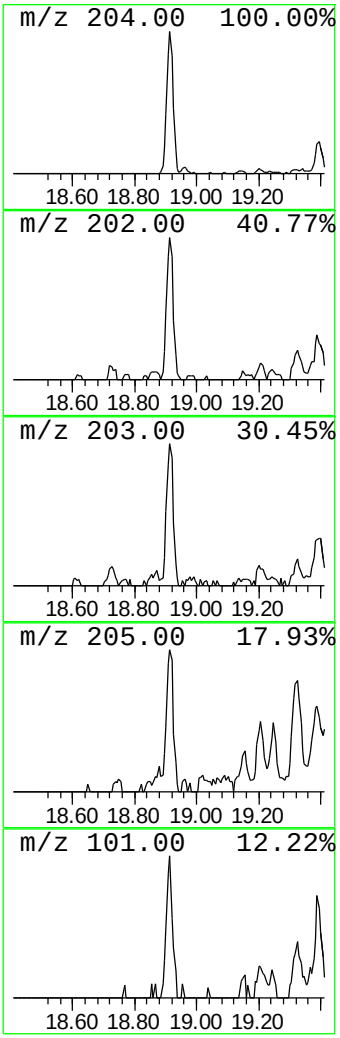
****

Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.91 ng	70803	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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TIC Library : C:\DATABASE\NIST02.L
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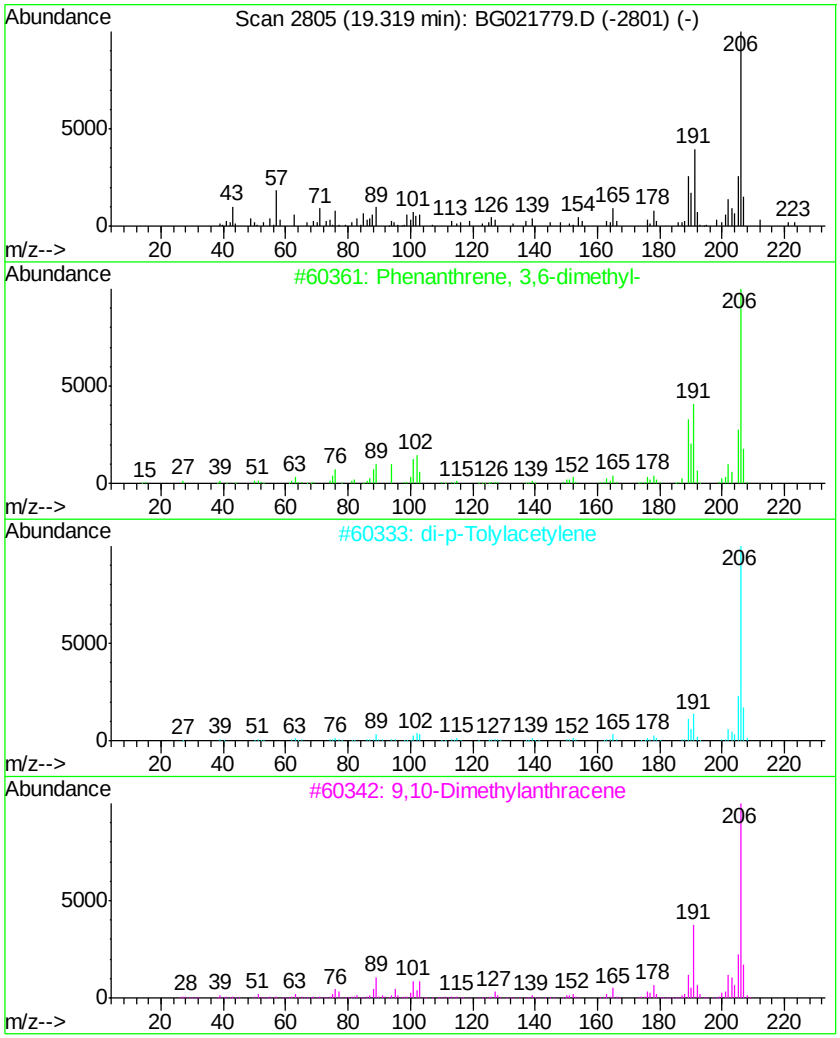
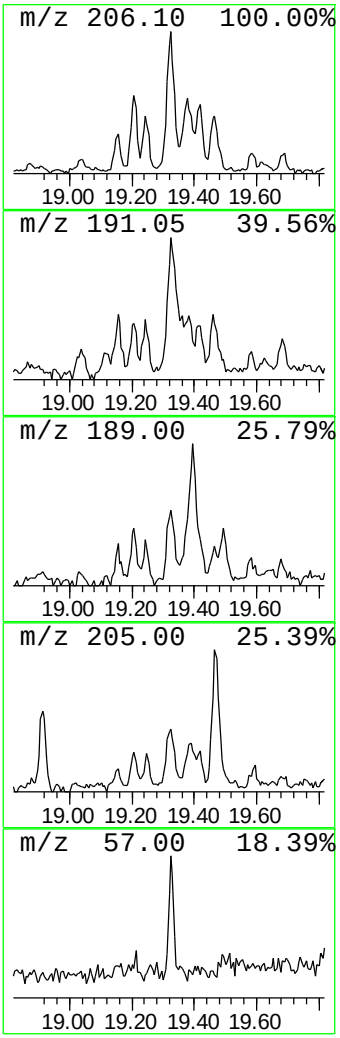
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	3.69 ng	89835	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80





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Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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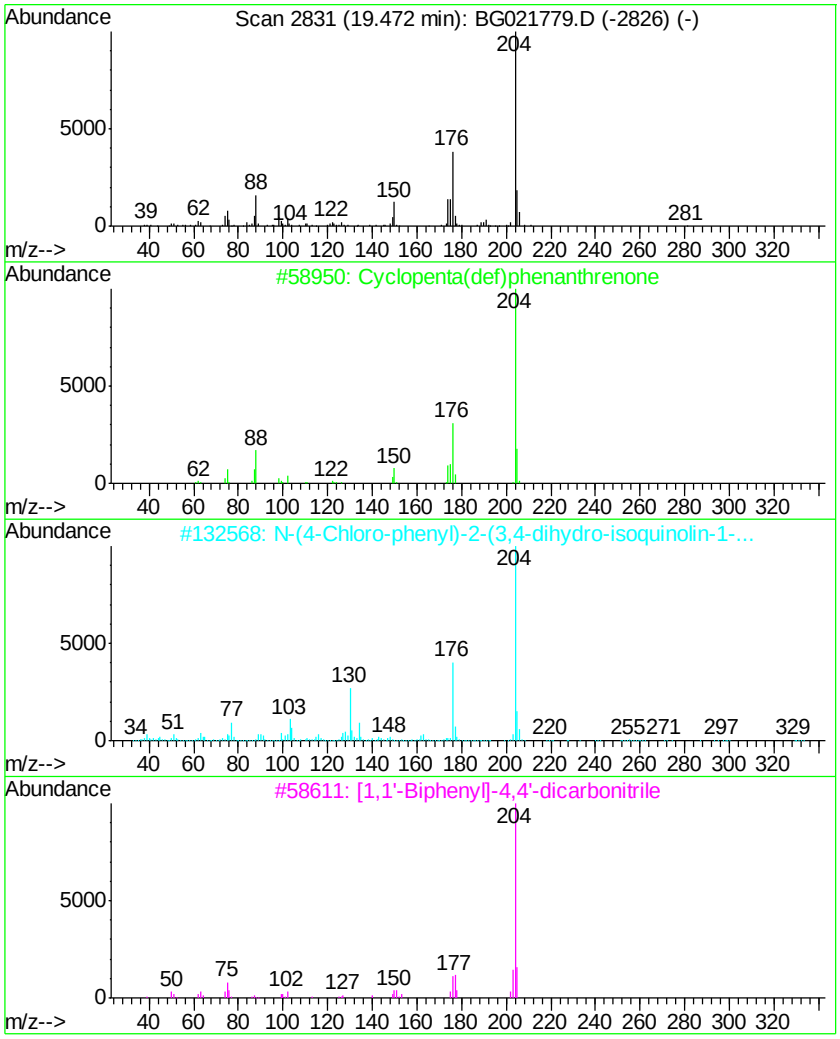
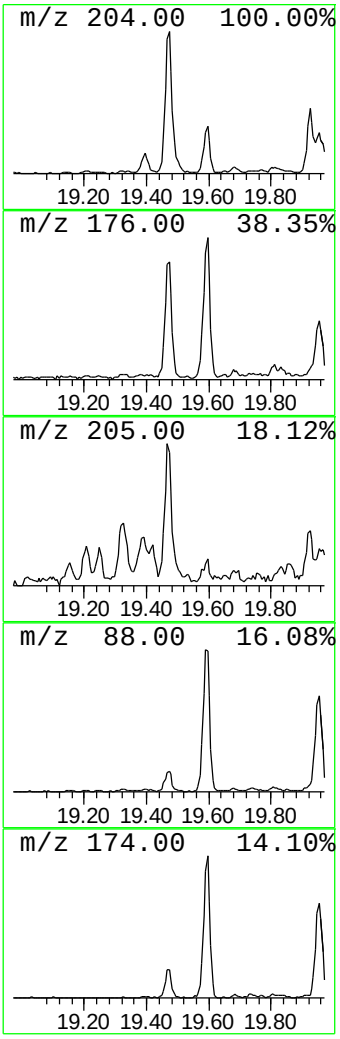
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	6.69 ng	162977	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





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Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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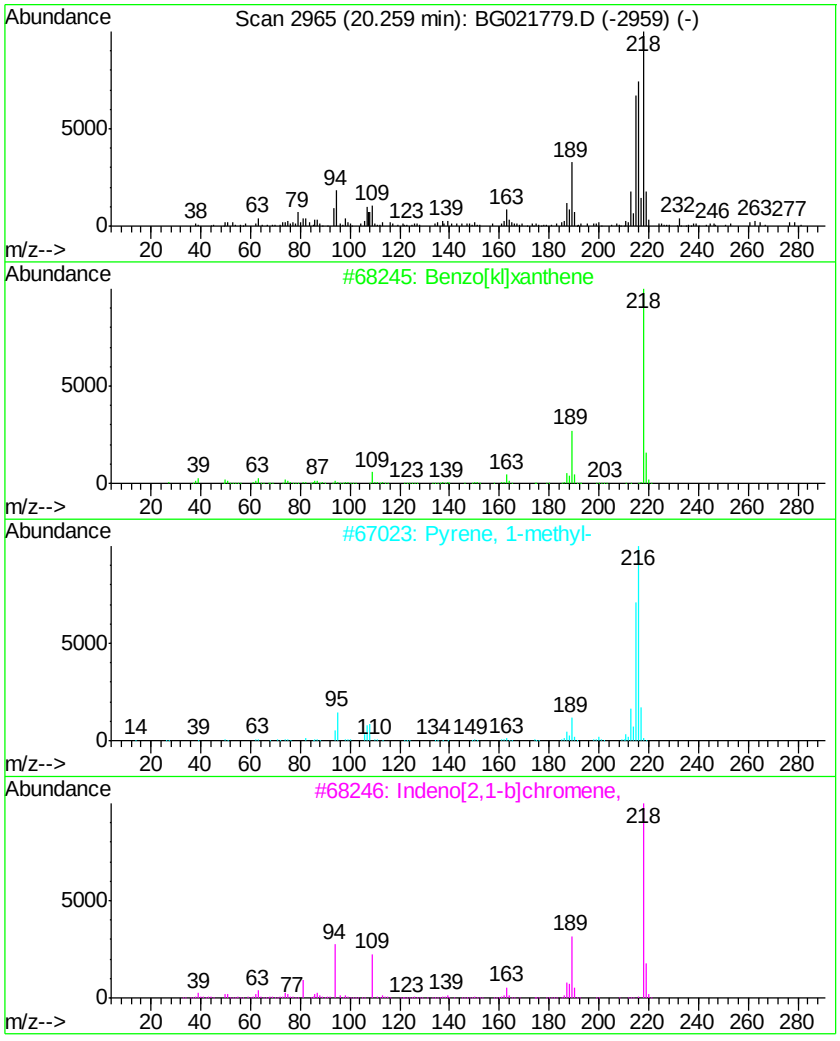
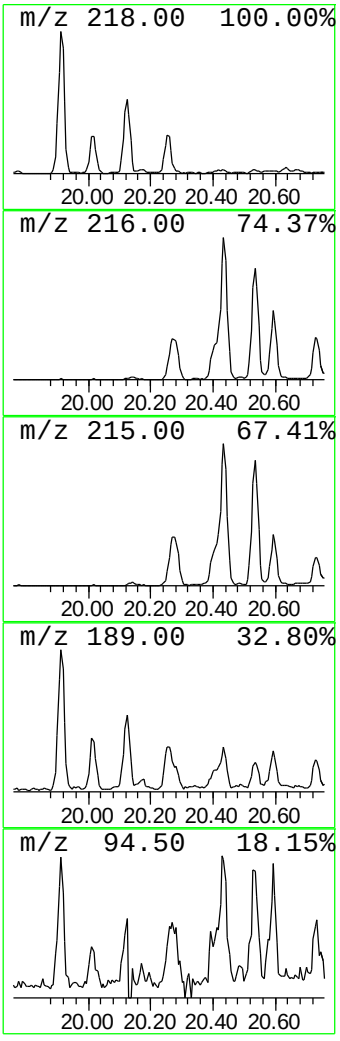
Peak Number 14 Benzo[kl]xanthene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.95 ng	291813	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78





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Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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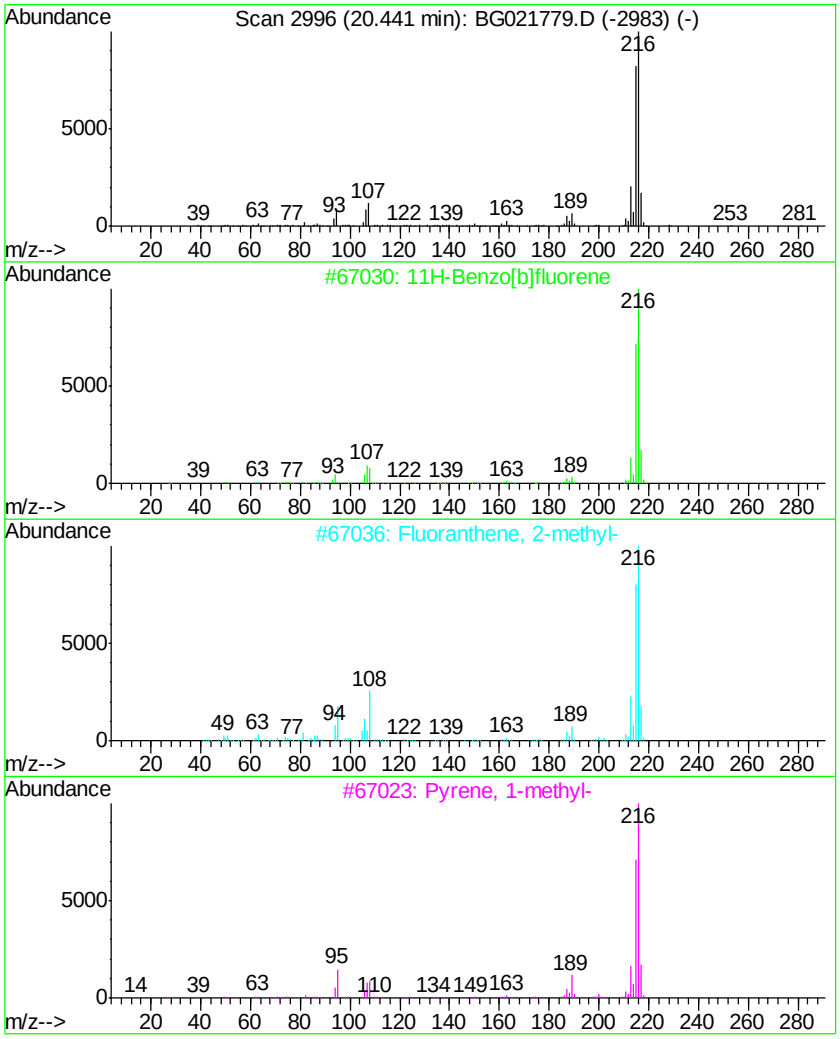
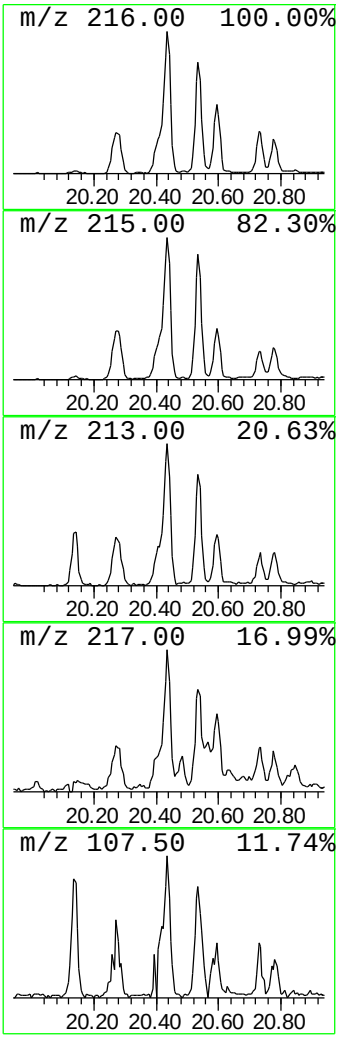
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	5.18 ng	513202	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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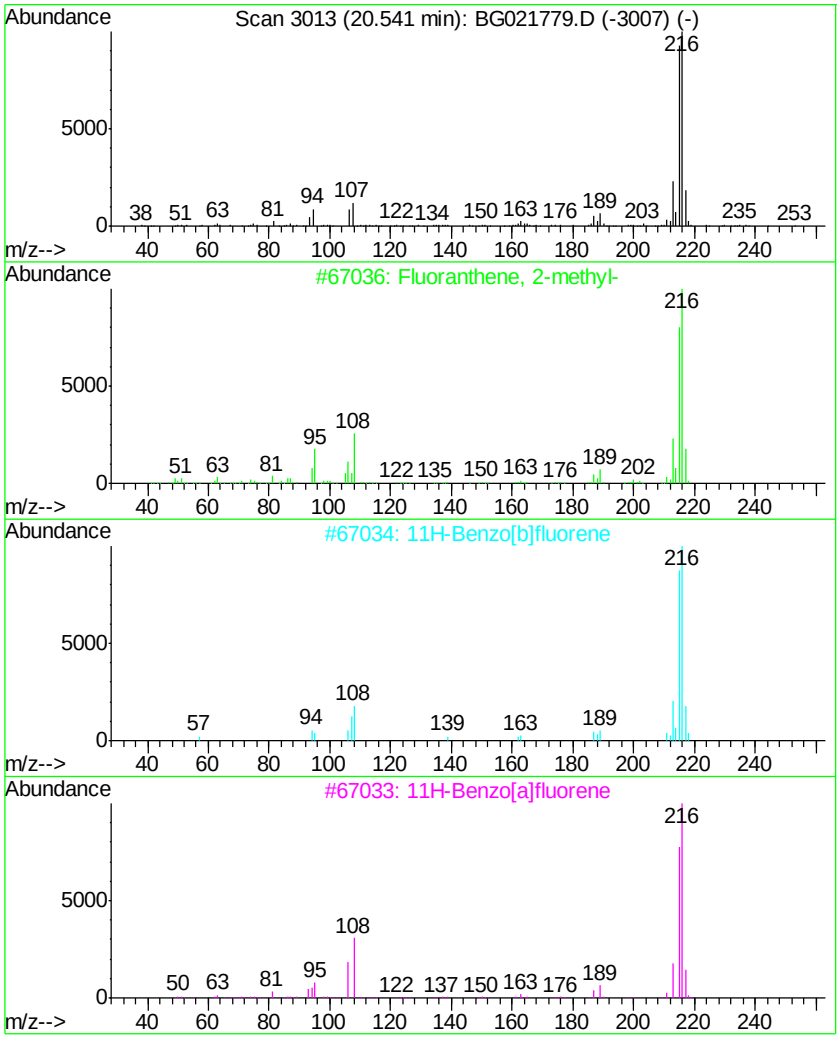
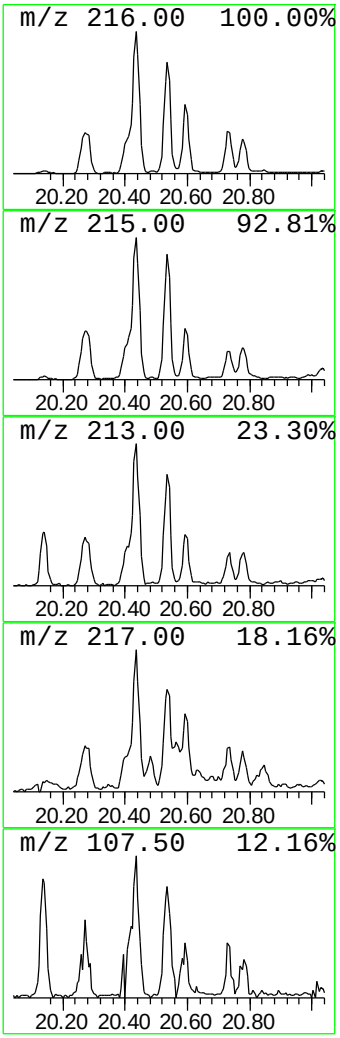
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	2.90 ng	286847	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	53





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Sample : H2589-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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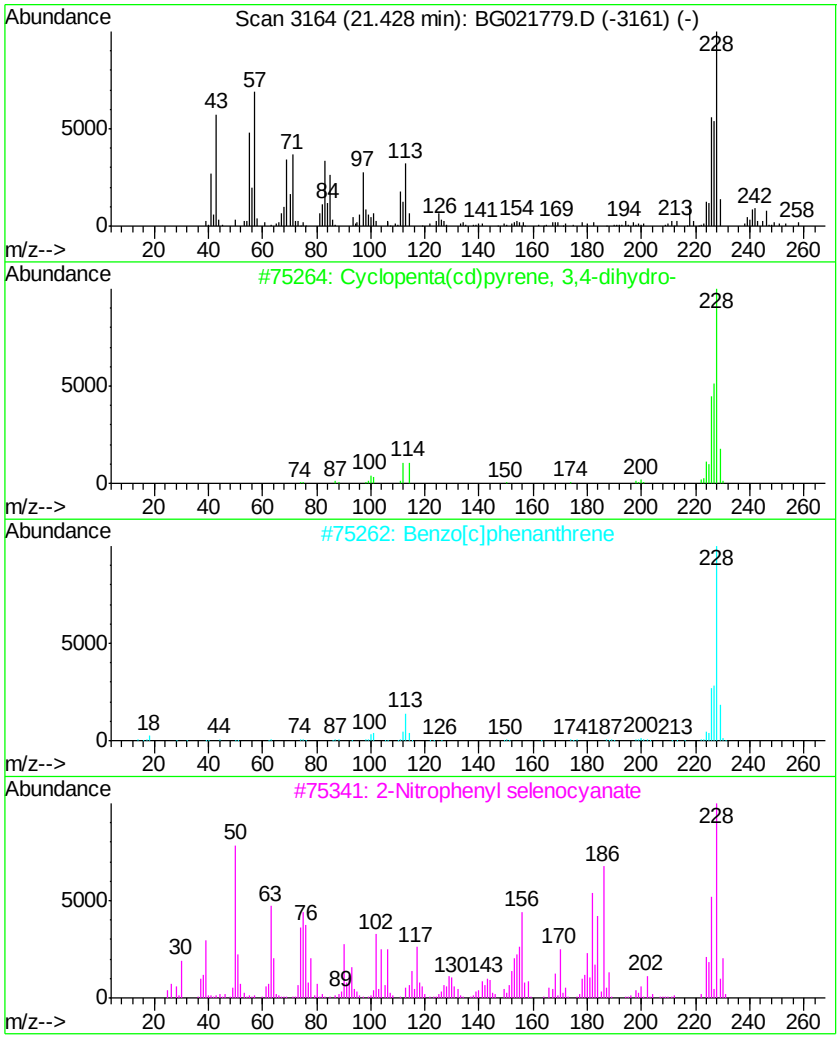
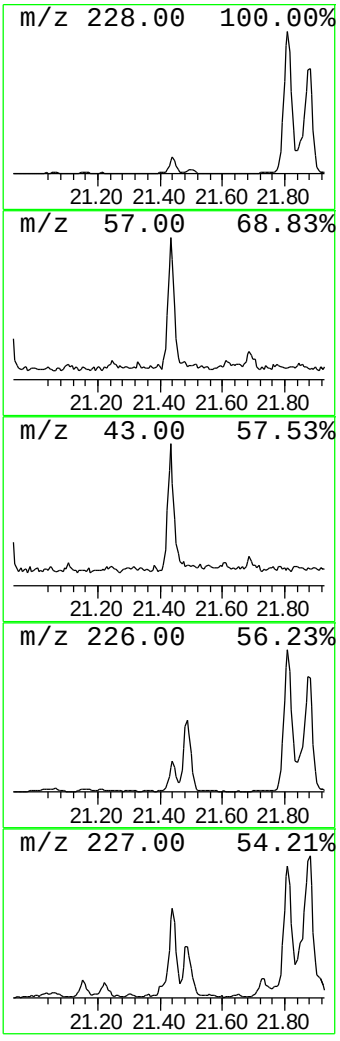
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	3.30 ng	326955	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
3	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	46
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	38





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Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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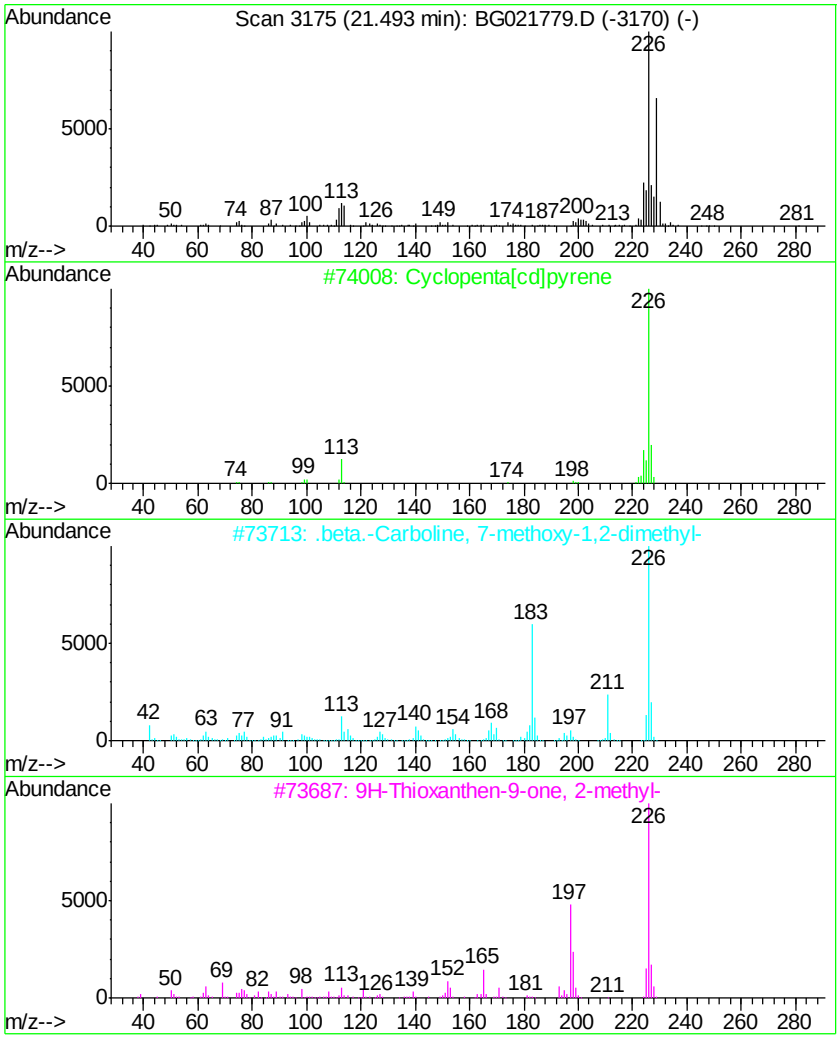
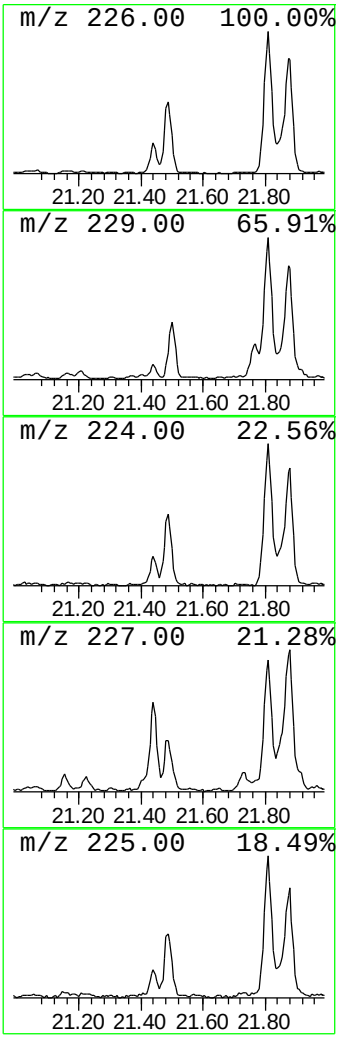
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	2.47 ng	244318	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	49
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38





Library Search Compound Report

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EUT01-TU-B1(0-5)-C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
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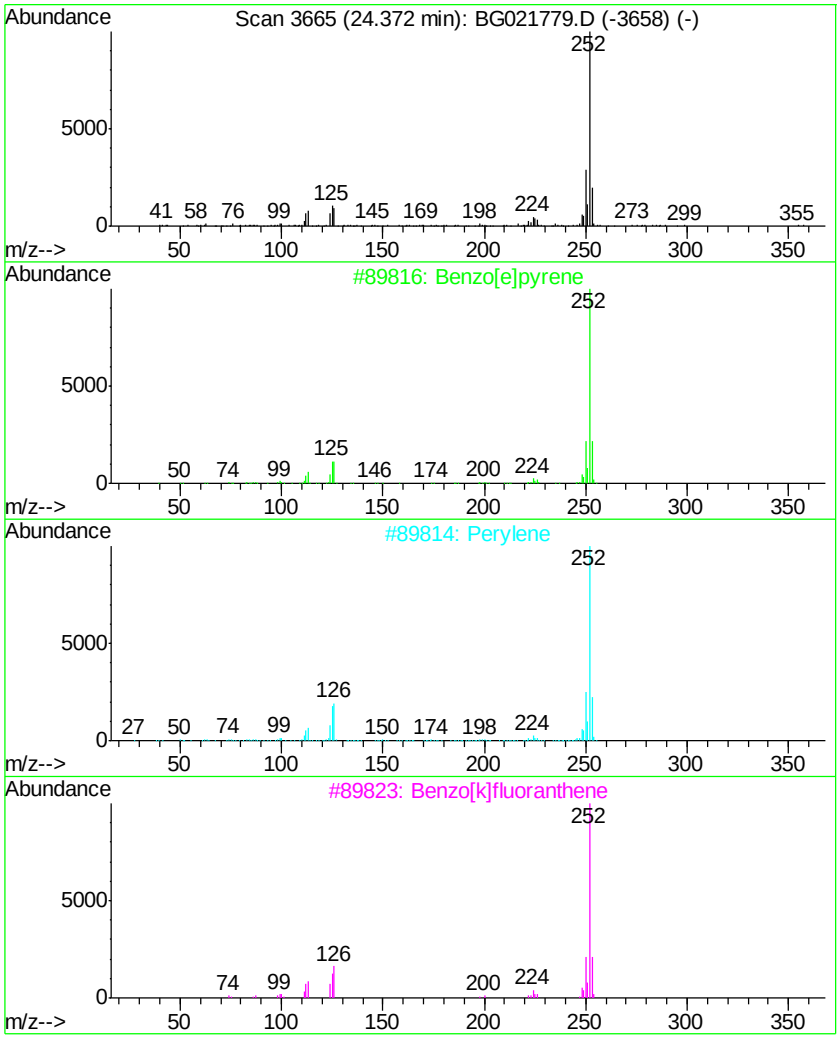
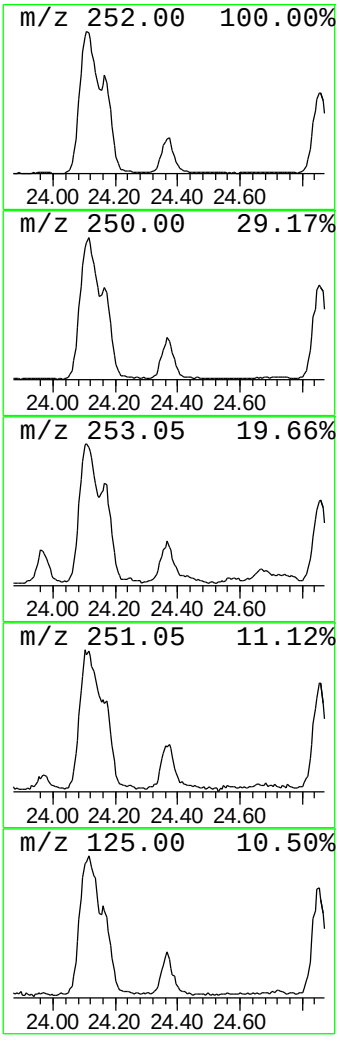
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	8.85 ng	225460	Perylene-d12	25.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	3.10	215.1	ng	2535310	1	8.21	235688	20.0
2-Pentanone, 4-hy...	5.29	17.4	ng	204416	1	8.21	235688	20.0
unknown7.74	7.74	88.0	ng	1037460	1	8.21	235688	20.0
Eicosane	15.64	2.4	ng	52773	3	14.82	443987	20.0
Anthracene, 2-met...	18.43	3.1	ng	76423	4	17.56	486873	20.0
Phenanthrene, 1-m...	18.47	5.7	ng	138592	4	17.56	486873	20.0
Anthracene, 1-met...	18.55	2.6	ng	62322	4	17.56	486873	20.0
4H-Cyclopenta[def...	18.62	10.6	ng	257938	4	17.56	486873	20.0
6-Phenylbenzocycl...	18.91	2.9	ng	70803	4	17.56	486873	20.0
Phenanthrene, 3,6...	19.32	3.7	ng	89835	4	17.56	486873	20.0
Cyclopenta(def)ph...	19.47	6.7	ng	162977	4	17.56	486873	20.0
Benzo[kl]xanthene	20.26	3.0	ng	291813	5	21.83	1979880	20.0
11H-Benzo[b]fluorene	20.44	5.2	ng	513202	5	21.83	1979880	20.0
Fluoranthene, 2-m...	20.54	2.9	ng	286847	5	21.83	1979880	20.0
Cyclopenta(cd)pyr...	21.43	3.3	ng	326955	5	21.83	1979880	20.0
Cyclopenta[cd]pyrene	21.49	2.5	ng	244318	5	21.83	1979880	20.0
Benzo[e]pyrene	24.37	8.8	ng	225460	6	25.16	509420	20.0