LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

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-BG042315.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	4.674	333	338	346	rBV	19219	27498	1.73%	0.167%
2	5.156	415	420	430	rBV	136366	208759	13.10%	1.264%
3	6.766	688	694	706	rBV	139104	238822	14.98%	1.446%
4	7.106	743	752	760	rBV	160283	253570	15.91%	1.536%
5	7.565	824	830	839	rVB	260680	392411	24.62%	2.377%
6	7.882	878	884	893	rBV	130754	200790	12.60%	1.216%
7	8.728	1021	1028	1038	rBV	76459	139950	8.78%	0.848%
8	10.350	1296	1304	1311	rBV	356650	578242	36.28%	3.502%
9	12.835	1721	1727	1740	rVB	218509	329604	20.68%	1.996%
10	13.945	1909	1916	1923	rBV	15761	28604	1.79%	0.173%
11	14.222	1957	1963	1970	rBV2	495126	730722	45.84%	4.426%
12	14.286	1970	1974	1981	rVB	19468	27537	1.73%	0.167%
13	15.273	2137	2142	2151	rBV3	16393	29462	1.85%	0.178%
14	15.720	2210	2218	2225	rBV	123695	184217	11.56%	1.116%
15	16.630	2369	2373	2378	rVB2	16045	23567	1.48%	0.143%
16	16.695	2378	2384	2388	rBV5	9833	18727	1.17%	0.113%
17	16.789	2396	2400	2404	rBV	12795	17281	1.08%	0.105%
18	16.965	2424	2430	2434	rBV2	525674	754290	47.32%	4.568%
19	17.006	2434	2437	2444	rVB	299510	418561	26.26%	2.535%
20	17.101	2449	2453	2459	rVV	66050	91490	5.74%	0.554%
21	17.159	2459	2463	2469	rVV3	11233	18231	1.14%	0.110%
22	17.353	2490	2496	2497	rBV3	15324	19335	1.21%	0.117%
23	17.377	2497	2500	2504	rVV	31201	50672	3.18%	0.307%
24	17.412	2504	2506	2513	rVV8	18110	32785	2.06%	0.199%
25	17.482	2513	2518	2524	rVB4	17430	34118	2.14%	0.207%
26	17.547	2524	2529	2533	rBV5	14418	23989	1.50%	0.145%
27	17.647	2541	2546	2550	rVB2	36878	54533	3.42%	0.330%
28	17.841	2571	2579	2583	rBV	50745	110043	6.90%	0.666%
29	17.894	2583	2588	2591	rVV	73713	118548	7.44%	0.718%
30	17.941	2593	2596	2598	rVV	31581	41579	2.61%	0.252%
31	17.976	2598	2602	2607	rVV2	50074	86602	5.43%	0.524%
32	18.041	2607	2613	2617	rVV3	90684	172744	10.84%	1.046%
33	18.070	2617	2618	2626	rVB	42436	53173	3.34%	0.322%
34	18.164	2628	2634	2644	rBV3	60733	111103	6.97%	0.673%

LSC Area Percent Report

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Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

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-BG042315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.258	2644	2650	2652	rBV7	15206	31266	1.96%	0.189%
36	18.311	2654	2659	2663	rVV3	72338	124885	7.83%	0.756%
37	18.352	2663	2666	2669	rVB	44816	55694	3.49%	0.337%
38	18.399	2669	2674	2678	rBV4	38079	64894	4.07%	0.393%
39	18.587	2698	2706	2712	rBV2	110280	186637	11.71%	1.130%
40	18.652	2713	2717	2720	rVB	14779	18253	1.15%	0.111%
41	18.687	2720	2723	2724	rBV3	15774	16075	1.01%	0.097%
42	18.722	2724	2729	2733	rVB2	36645	57636	3.62%	0.349%
43	18.769	2733	2737	2741	rBV2	27719	48344	3.03%	0.293%
44	18.863	2751	2753	2758	rVB2	20281	22341	1.40%	0.135%
45	18.910	2758	2761	2768	rVB2	43405	72332	4.54%	0.438%
46	19.034	2776	2782	2788	rBV	798028	1029095	64.56%	6.233%
47	19.086	2788	2791	2796	rVV3	61381	90567	5.68%	0.549%
48	19.133	2796	2799	2803	rVV2	26288	35789	2.25%	0.217%
49	19.180	2803	2807	2811	rVV2	27322	38227	2.40%	0.232%
50	19.280	2821	2824	2827	rVB2	26002	29114	1.83%	0.176%
51	19.368	2834	2839	2840	rBV	113520	142731	8.95%	0.864%
52	19.398	2840	2844	2852	rVV	748706	979932	61.47%	5.935%
53	19.474	2853	2857	2863	rVV3	38490	62018	3.89%	0.376%
54	19.556	2867	2871	2874	rVV2	47785	82316	5.16%	0.499%
55	19.603	2875	2879	2883	rVV	287964	387354	24.30%	2.346%
56	19.639	2883	2885	2888	rVV	51632	69296	4.35%	0.420%
57	19.674	2888	2891	2895	rVV	224547	248830	15.61%	1.507%
58	19.727	2895	2900	2906	rVV4	56697	141143	8.85%	0.855%
59	19.780	2907	2909	2912	rVV2	23694	34008	2.13%	0.206%
60	19.815	2912	2915	2918	rVV	56336	74326	4.66%	0.450%
61	19.862	2918	2923	2925	rVV4	49482	94920	5.95%	0.575%
62	19.897	2925	2929	2934	rVB	83007	126349	7.93%	0.765%
63	19.997	2942	2946	2949	rBV2	45427	65752	4.12%	0.398%
64	20.050	2949	2955	2959	rVV3	69526	135907	8.53%	0.823%
65	20.132	2966	2969	2973	rVB3	17571	21003	1.32%	0.127%
66	20.191	2976	2979	2982	rVV	42352	54543	3.42%	0.330%
67	20.238	2984	2987	2991	rVB	45486	52178	3.27%	0.316%
68	20.643	3052	3056	3062	rBV	74400	104128	6.53%	0.631%
69	20.808	3079	3084	3087	rBV2	55348	89611	5.62%	0.543%
70	20.843	3087	3090	3093	rVV	63525	87103	5.46%	0.528%
71	20.878	3093	3096	3102	rVV3	85894	159544	10.01%	0.966%

LSC Area Percent Report

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Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

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-BG042315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.937	3103	3106	3113	rVB	85997	121239	7.61%	0.734%
73	21.113	3133	3136	3137	rBV	29673	33834	2.12%	0.205%
74	21.155	3137	3143	3147	rVV2	885604	1594050	100.00%	9.654%
75	21.196	3147	3150	3160	rVB	396442	507842	31.86%	3.076%
76	21.307	3166	3169	3175	rBV	63908	87596	5.50%	0.531%
77	21.472	3193	3197	3201	rVB3	49807	76551	4.80%	0.464%
78	21.695	3233	3235	3239	rVB	69959	75090	4.71%	0.455%
79	22.694	3400	3405	3410	rBV	359109	802409	50.34%	4.860%
80	22.864	3430	3434	3440	rVB	82823	121127	7.60%	0.734%
81	23.164	3480	3485	3493	rVB	239212	453373	28.44%	2.746%
82	23.258	3496	3501	3508	rVB	343732	598712	37.56%	3.626%
83	23.352	3512	3517	3522	rBV	390325	686592	43.07%	4.158%
84	25.573	3890	3895	3904	rVB	129849	337677	21.18%	2.045%
85	26.266	4007	4013	4024	rVB2	87461	259566	16.28%	1.572%

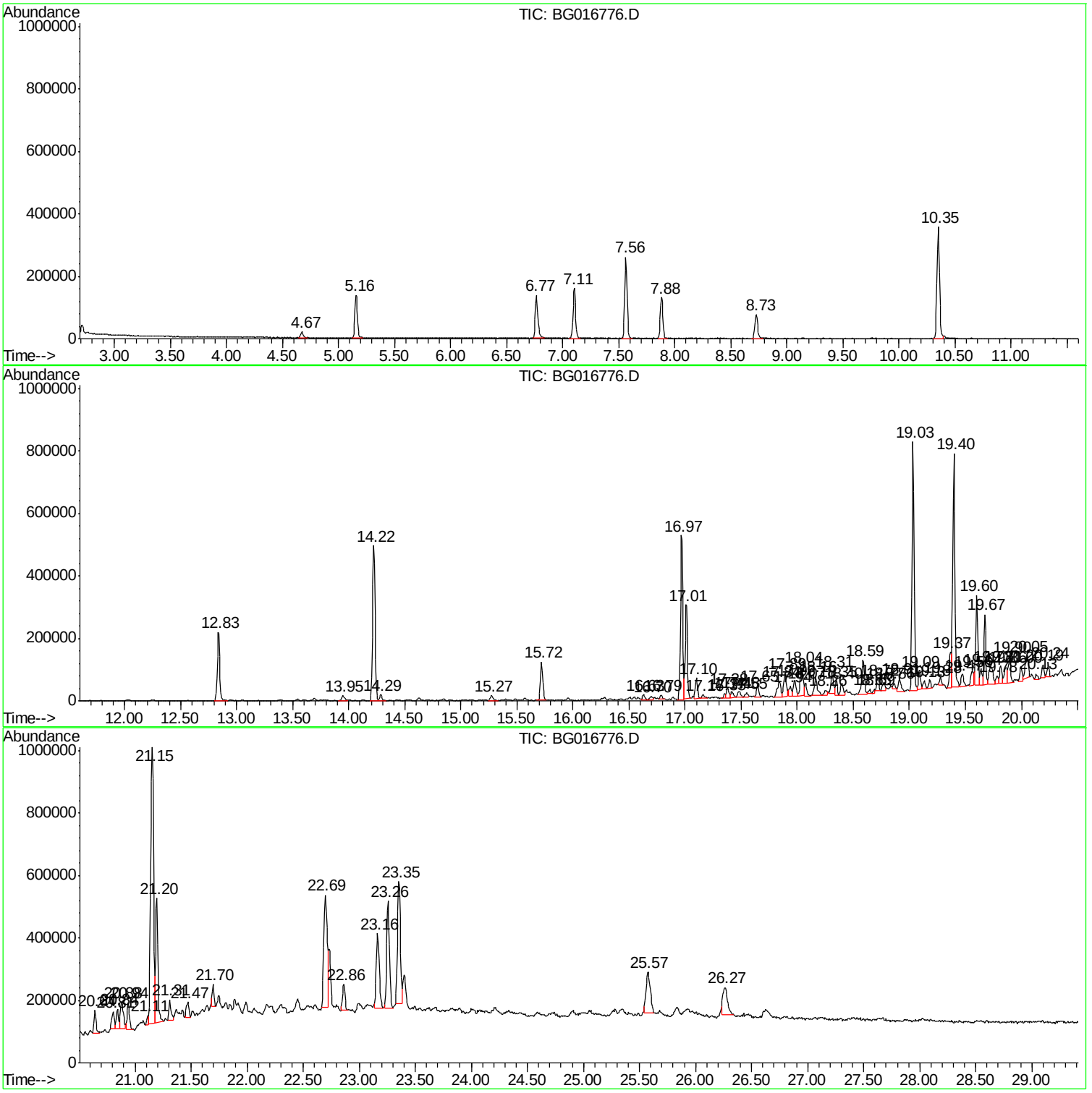
Sum of corrected areas: 16511358

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

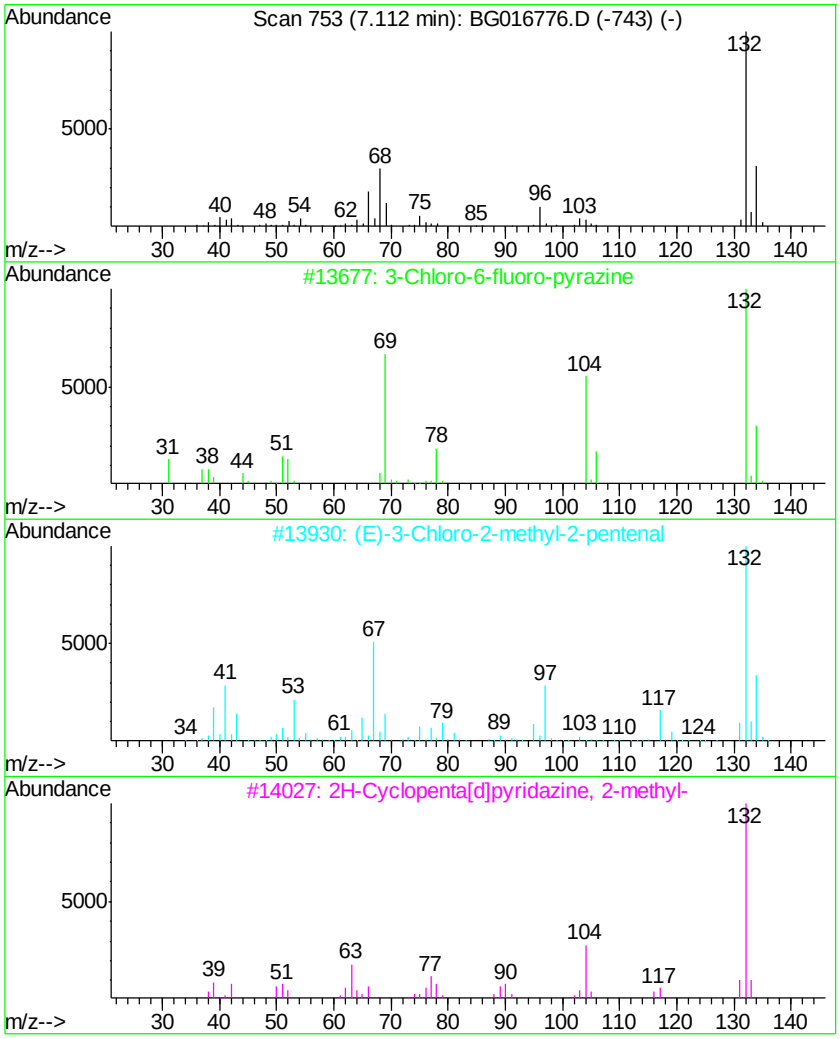
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

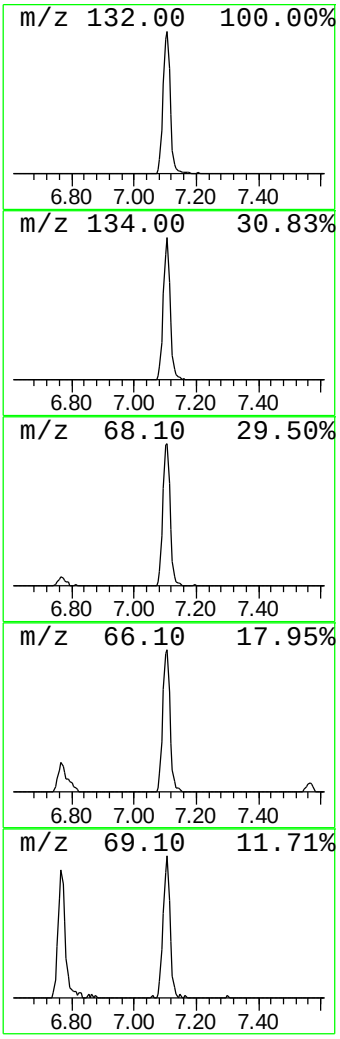
****

Peak Number 1 unknown7.11 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	12.92 ng	253570	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	33
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

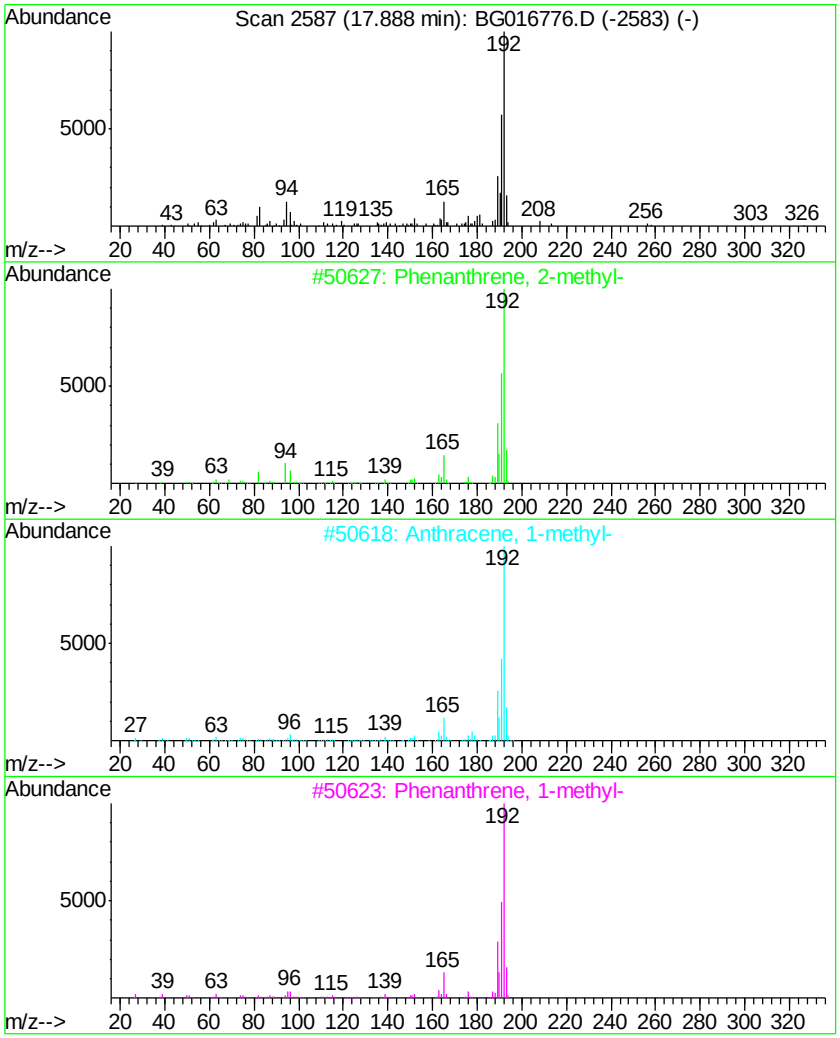
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

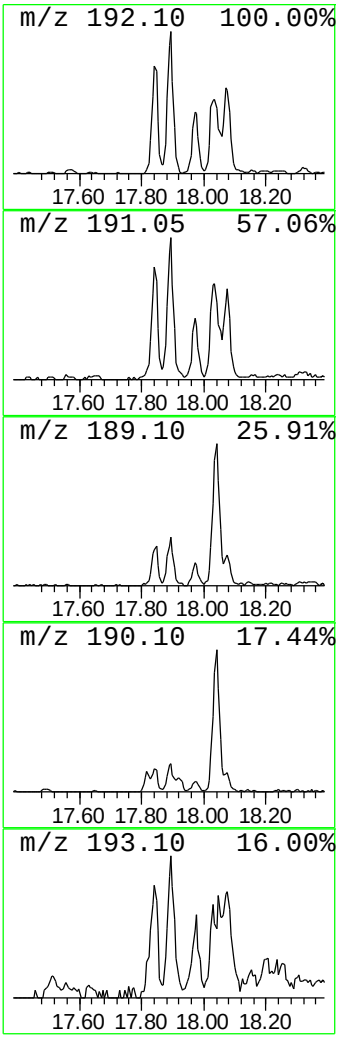
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.14 ng	118548	Phenanthrene-d10	16.97

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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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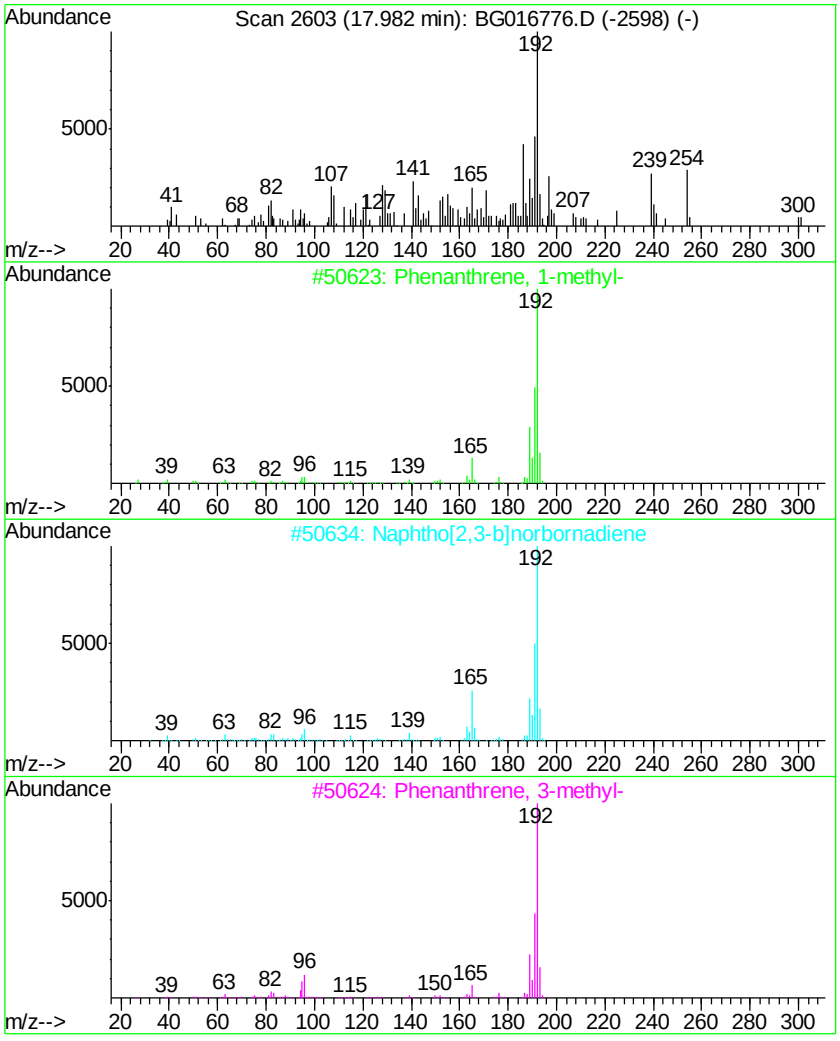
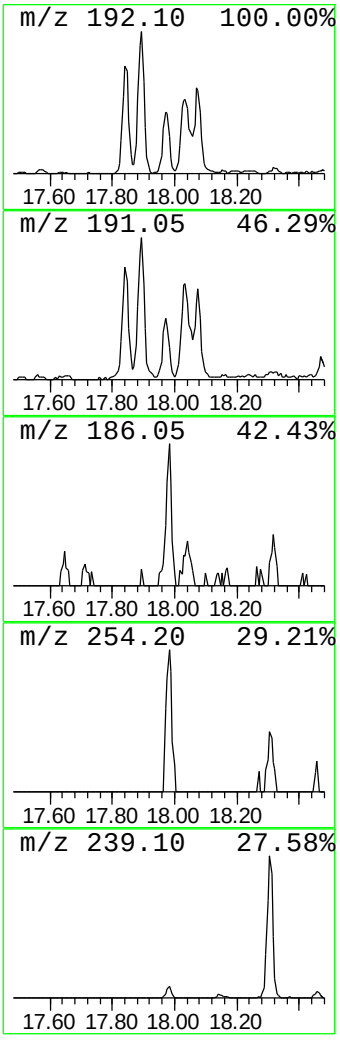
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	2.30 ng	86602	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
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Acq On : 28 Apr 2015 21:55
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Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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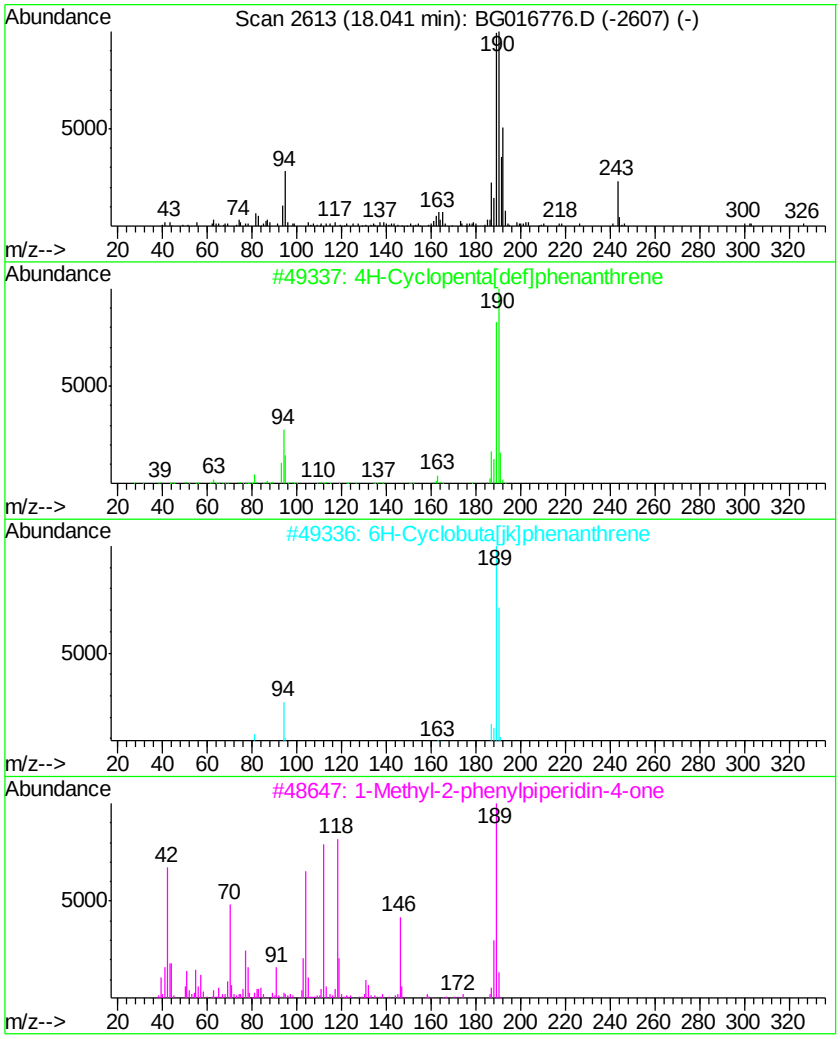
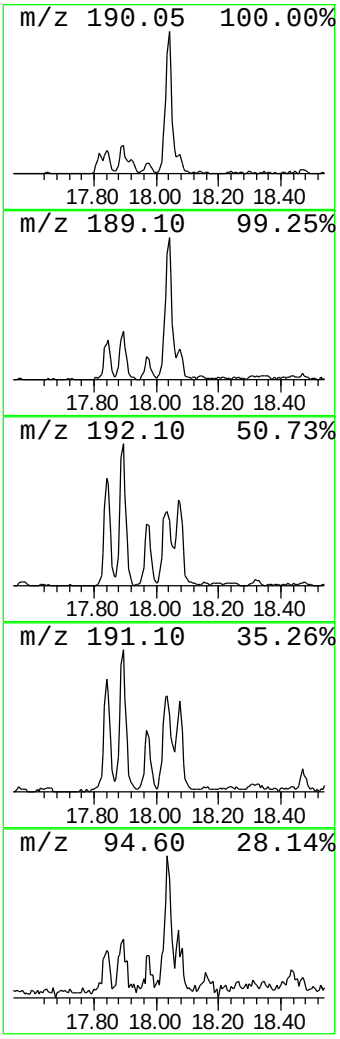
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.58 ng	172744	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	22
4	6-Bromo-9-phenanthrene diazometh...	324	C16H9BrN2O	1000254-49-2	16
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	11





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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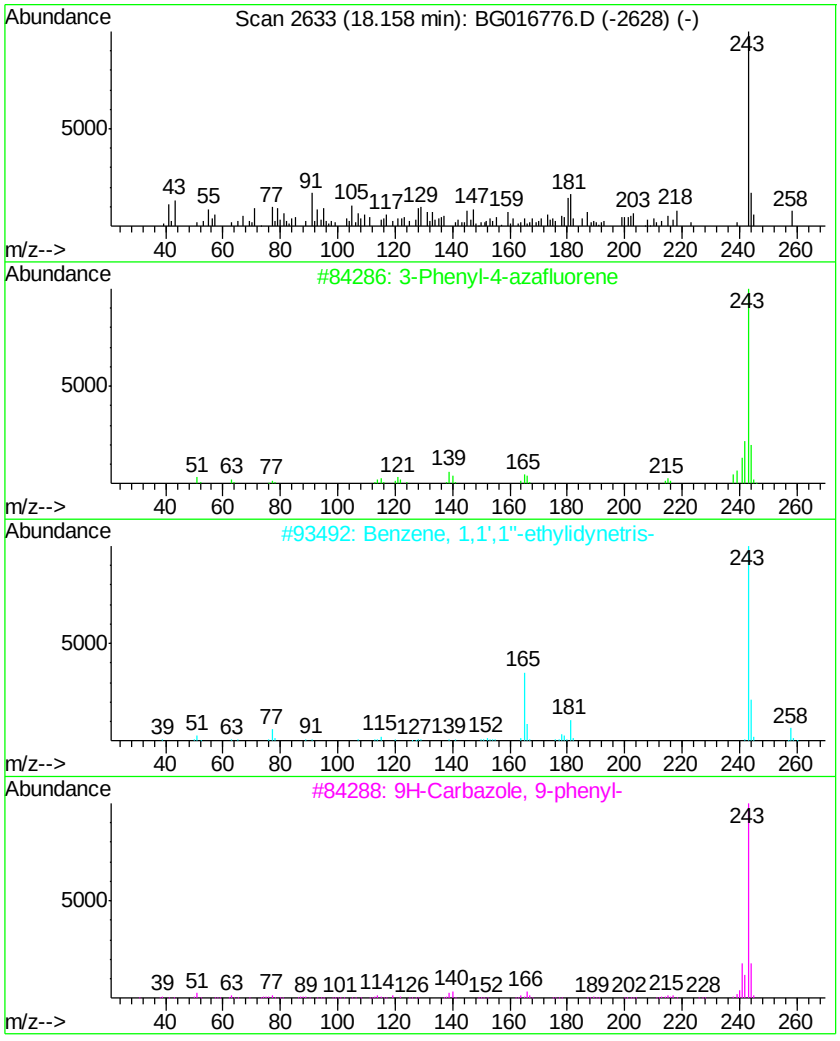
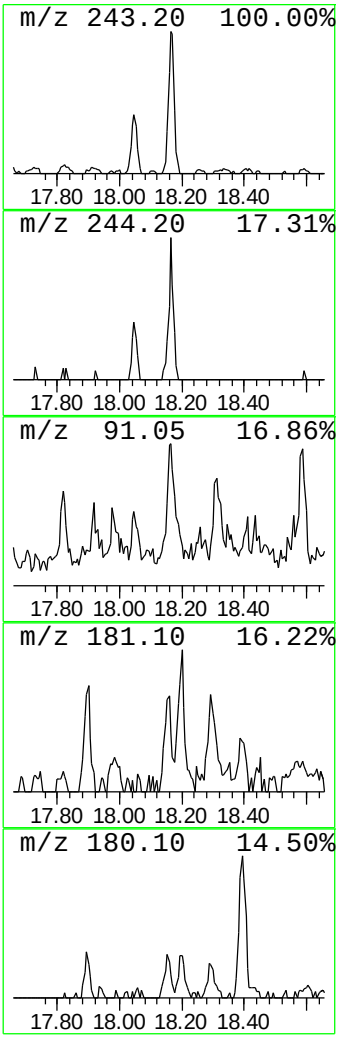
Peak Number 7 3-Phenyl-4-azafluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.95 ng	111103	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	87
2	Benzene, 1,1',1''-ethylidynetris-	258	C20H18	005271-39-6	72
3	9H-Carbazole, 9-phenyl-	243	C18H13N	001150-62-5	72
4	6-Chrysenamine	243	C18H13N	002642-98-0	64
5	Triphenylmethanesulfenyl chloride	310	C19H15ClS	024165-03-5	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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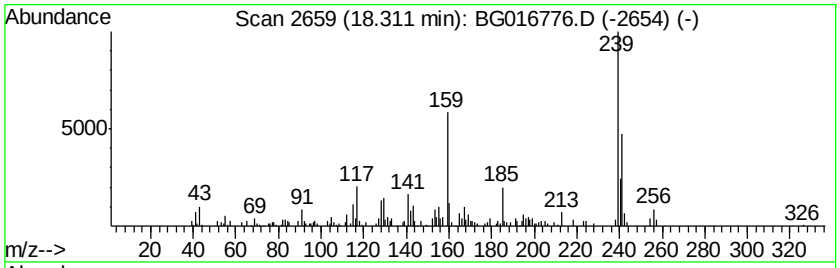
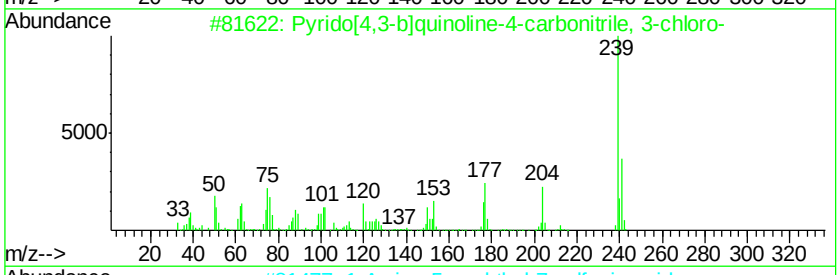
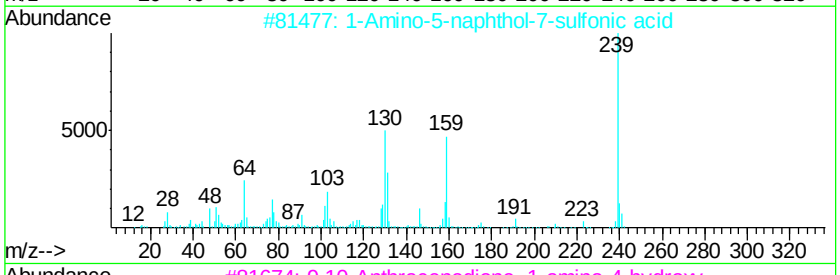
Peak Number 8 unknown18.31 Concentration Rank 7

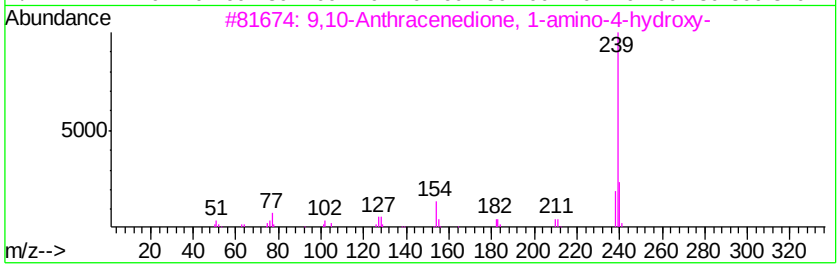
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.31 ng	124885	Phenanthrene-d10	16.97

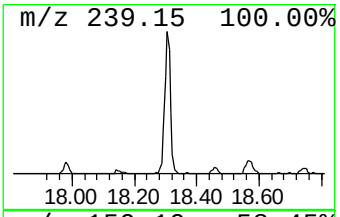
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[4,3-b]quinoline-4-carboni...	239	C13H6ClN3	104802-98-4	43
2	1-Amino-5-naphthol-7-sulfonic acid	239	C10H9NO4S	000489-78-1	37
3	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	27
4	Androst-5-en-19-al, 3.alpha.-flu...	348	C21H29FO3	028344-49-2	27
5	9H-Carbazole, 9-(trimethylsilyl)-	239	C15H17NSi	074367-40-1	25

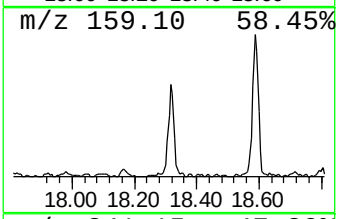


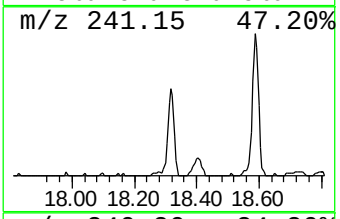


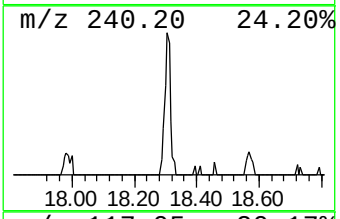


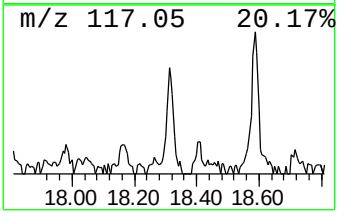












Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

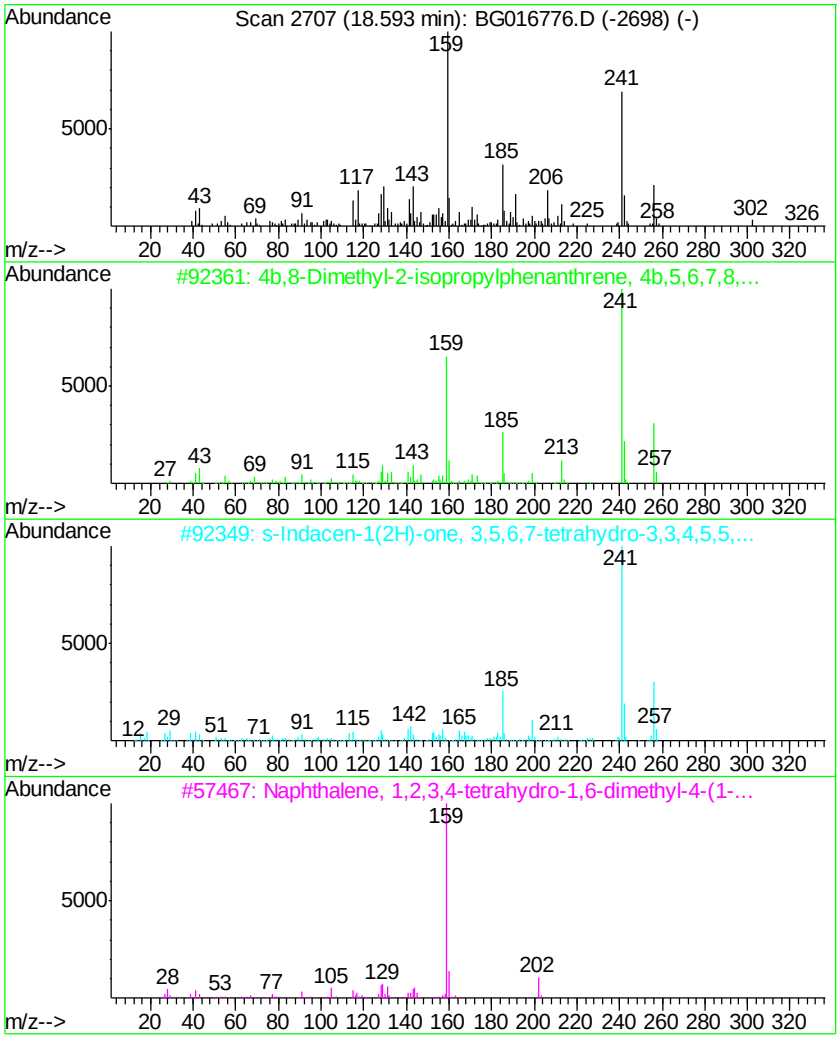
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

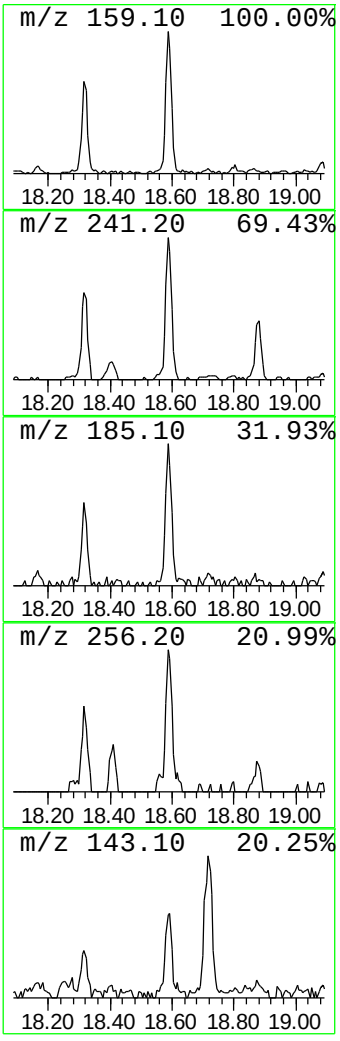
****

Peak Number 9 4b,8-Dimethyl-2-isopropylph... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	4.95 ng	186637	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
3	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	27
4	Isoquinoline-4-carbonitrile, 1-e...	256	C15H16N2O2	1000259-91-1	25
5	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

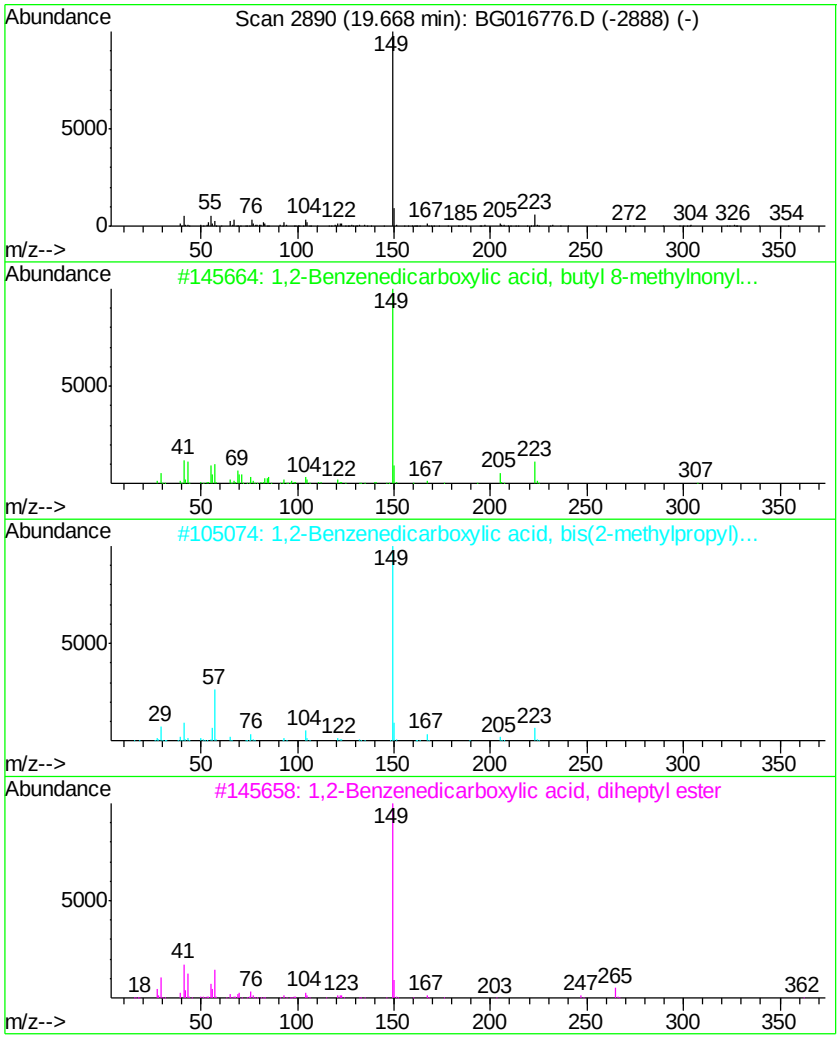
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

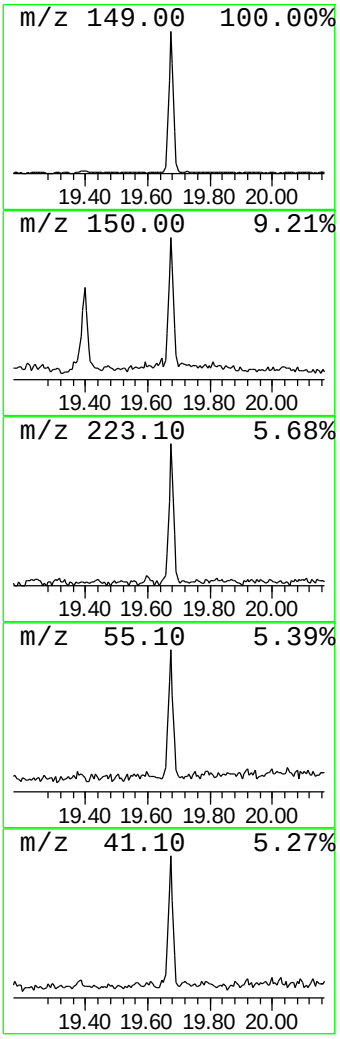
****

Peak Number 10 1,2-Benzenedicarboxylic aci... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	3.12 ng	248830	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-18-9	78
2	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	72
3	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72
4	Dibutyl phthalate	278	C16H22O4	000084-74-2	64
5	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-19-0	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
Data File : BG016776.D
Acq On : 28 Apr 2015 21:55
Operator : TP/IZ
Sample : G2022-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-0-2.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
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
unknown7.11	7.11	12.9	ng	253570	1	7.56	392411	20.0
Anthracene, 1-met...	17.89	3.1	ng	118548	4	16.97	754290	20.0
Phenanthrene, 1-m...	17.98	2.3	ng	86602	4	16.97	754290	20.0
4H-Cyclopenta[def...	18.04	4.6	ng	172744	4	16.97	754290	20.0
3-Phenyl-4-azaflu...	18.16	3.0	ng	111103	4	16.97	754290	20.0
unknown18.31	18.31	3.3	ng	124885	4	16.97	754290	20.0
4b,8-Dimethyl-2-i...	18.59	5.0	ng	186637	4	16.97	754290	20.0
1,2-Benzenedicarb...	19.67	3.1	ng	248830	5	21.16	1594050	20.0