LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

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-BG071715.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	4.041	226	230	235	rVB2	41863	52985	1.67%	0.206%
2	4.634	326	331	338	rBV	147118	198613	6.26%	0.772%
3	5.104	405	411	417	rVB	215074	309463	9.75%	1.203%
4	5.704	508	513	519	rVB	28778	42817	1.35%	0.166%
5	6.691	675	681	692	rVB	148854	223715	7.05%	0.870%
6	7.031	732	739	746	rBV	487546	757342	23.87%	2.944%
7	7.496	812	818	826	rBV	118500	177390	5.59%	0.690%
8	7.813	865	872	879	rBV	435155	681715	21.48%	2.650%
9	8.653	1008	1015	1024	rVB	357856	574620	18.11%	2.234%
10	10.275	1285	1291	1296	rBV	172762	287130	9.05%	1.116%
11	10.328	1296	1300	1308	rVB	49603	76878	2.42%	0.299%
12	11.109	1425	1433	1443	rBV	56126	101803	3.21%	0.396%
13	11.450	1486	1491	1501	rVB	30158	55395	1.75%	0.215%
14	11.955	1570	1577	1583	rVB	47508	73328	2.31%	0.285%
15	12.078	1591	1598	1604	rBV	47951	76535	2.41%	0.298%
16	12.178	1604	1615	1620	rBV	52688	83433	2.63%	0.324%
17	12.695	1696	1703	1709	rBV	43466	76748	2.42%	0.298%
18	12.778	1711	1717	1727	rVB	1221274	1808658	57.00%	7.032%
19	12.989	1749	1753	1758	rBV	56120	84021	2.65%	0.327%
20	13.483	1828	1837	1842	rBV3	43532	100687	3.17%	0.391%
21	13.688	1866	1872	1881	rBV	43415	78258	2.47%	0.304%
22	14.170	1946	1954	1959	rBV2	296566	462112	14.56%	1.797%
23	14.235	1959	1965	1971	rVV	331266	489629	15.43%	1.904%
24	14.299	1971	1976	1983	rVB	137855	202513	6.38%	0.787%
25	14.570	2016	2022	2034	rBV2	164370	323989	10.21%	1.260%
26	14.793	2053	2060	2065	rBV5	16640	40239	1.27%	0.156%
27	15.098	2106	2112	2120	rBV	61890	99687	3.14%	0.388%
28	15.222	2125	2133	2140	rVB	237395	370847	11.69%	1.442%
29	15.521	2179	2184	2191	rBV4	22851	39007	1.23%	0.152%
30	15.633	2198	2203	2204	rBV2	45851	56376	1.78%	0.219%
31	15.668	2204	2209	2216	rVV	1196020	1707087	53.80%	6.637%
32	15.733	2216	2220	2229	rVB	39058	62191	1.96%	0.242%
33	15.897	2243	2248	2257	rVB8	21921	53729	1.69%	0.209%
34	16.050	2267	2274	2283	rBV9	14056	41000	1.29%	0.159%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

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-BG071715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.127	2283	2287	2293	rVV2	20281	37498	1.18%	0.146%
36	16.203	2295	2300	2311	rVV2	117746	215951	6.81%	0.840%
37	16.297	2311	2316	2322	rVB	49945	78527	2.47%	0.305%
38	16.579	2354	2364	2375	rBV	339661	488354	15.39%	1.899%
39	16.738	2379	2391	2395	rBV	64850	129710	4.09%	0.504%
40	16.838	2401	2408	2412	rBV3	38763	56046	1.77%	0.218%
41	16.926	2412	2423	2426	rVV	404480	616657	19.43%	2.397%
42	16.967	2426	2430	2434	rVV	680825	930423	29.32%	3.617%
43	17.026	2434	2440	2443	rVV	241808	404543	12.75%	1.573%
44	17.055	2443	2445	2450	rVV2	128825	182971	5.77%	0.711%
45	17.114	2450	2455	2466	rVB	427125	654687	20.63%	2.545%
46	17.249	2472	2478	2482	rBV7	17464	39054	1.23%	0.152%
47	17.302	2482	2487	2489	rVV	376852	510716	16.10%	1.986%
48	17.343	2489	2494	2499	rVB	1371889	1954077	61.58%	7.597%
49	17.437	2504	2510	2516	rBV2	78252	169739	5.35%	0.660%
50	17.501	2516	2521	2528	rVV2	139904	252385	7.95%	0.981%
51	17.584	2528	2535	2542	rVV2	87981	201727	6.36%	0.784%
52	17.784	2564	2569	2575	rVB3	47274	91366	2.88%	0.355%
53	17.848	2575	2580	2588	rBV3	217171	350170	11.04%	1.361%
54	17.924	2588	2593	2598	rVB5	24131	50986	1.61%	0.198%
55	17.995	2599	2605	2610	rBV3	81817	166849	5.26%	0.649%
56	18.036	2610	2612	2617	rVV2	26639	39475	1.24%	0.153%
57	18.113	2617	2625	2628	rVV2	65475	157981	4.98%	0.614%
58	18.154	2628	2632	2636	rVV	83178	150272	4.74%	0.584%
59	18.201	2636	2640	2645	rVV4	61147	120153	3.79%	0.467%
60	18.254	2645	2649	2654	rVV2	63559	109429	3.45%	0.425%
61	18.312	2654	2659	2661	rVV	90099	118558	3.74%	0.461%
62	18.353	2661	2666	2670	rVV	272296	395913	12.48%	1.539%
63	18.395	2670	2673	2678	rVB4	28377	47271	1.49%	0.184%
64	18.647	2712	2716	2721	rBV4	27304	48238	1.52%	0.188%
65	18.741	2727	2732	2737	rVB	50780	78436	2.47%	0.305%
66	18.870	2747	2754	2758	rBV2	43409	78882	2.49%	0.307%
67	18.994	2770	2775	2782	rVB	188798	255272	8.05%	0.992%
68	19.094	2788	2792	2796	rBV2	78455	138739	4.37%	0.539%
69	19.135	2796	2799	2805	rVB2	74732	105694	3.33%	0.411%
70	19.217	2806	2813	2817	rBV	63230	103224	3.25%	0.401%
71	19.276	2818	2823	2829	rVB4	57901	101794	3.21%	0.396%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

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-BG071715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.358	2829	2837	2847	rBV2	110876	277321	8.74%	1.078%
73	19.576	2868	2874	2878	rBV	2494191	3172988	100.00%	12.336%
74	19.746	2898	2903	2908	rBV	111157	166157	5.24%	0.646%
75	19.822	2909	2916	2921	rVV	188532	283018	8.92%	1.100%
76	19.946	2934	2937	2941	rBV2	27068	33464	1.05%	0.130%
77	20.122	2962	2967	2973	rBV7	17326	32233	1.02%	0.125%
78	20.292	2987	2996	3000	rBV2	25945	60628	1.91%	0.236%
79	20.333	3000	3003	3006	rVV4	33109	50508	1.59%	0.196%
80	20.363	3006	3008	3015	rVV	42519	64569	2.03%	0.251%
81	20.427	3015	3019	3021	rVV	34800	48086	1.52%	0.187%
82	20.463	3021	3025	3031	rVB2	72341	134957	4.25%	0.525%
83	20.786	3075	3080	3082	rBV	159810	215868	6.80%	0.839%
84	20.809	3082	3084	3090	rVB	173935	225372	7.10%	0.876%
85	21.127	3133	3138	3143	rBV	507293	650267	20.49%	2.528%
86	21.438	3187	3191	3194	rBV3	44881	69078	2.18%	0.269%
87	21.597	3214	3218	3226	rVB	70173	112491	3.55%	0.437%
88	22.284	3331	3335	3344	rVB	35925	58849	1.85%	0.229%
89	23.312	3503	3510	3518	rVB2	301315	564051	17.78%	2.193%

Sum of corrected areas: 25721612

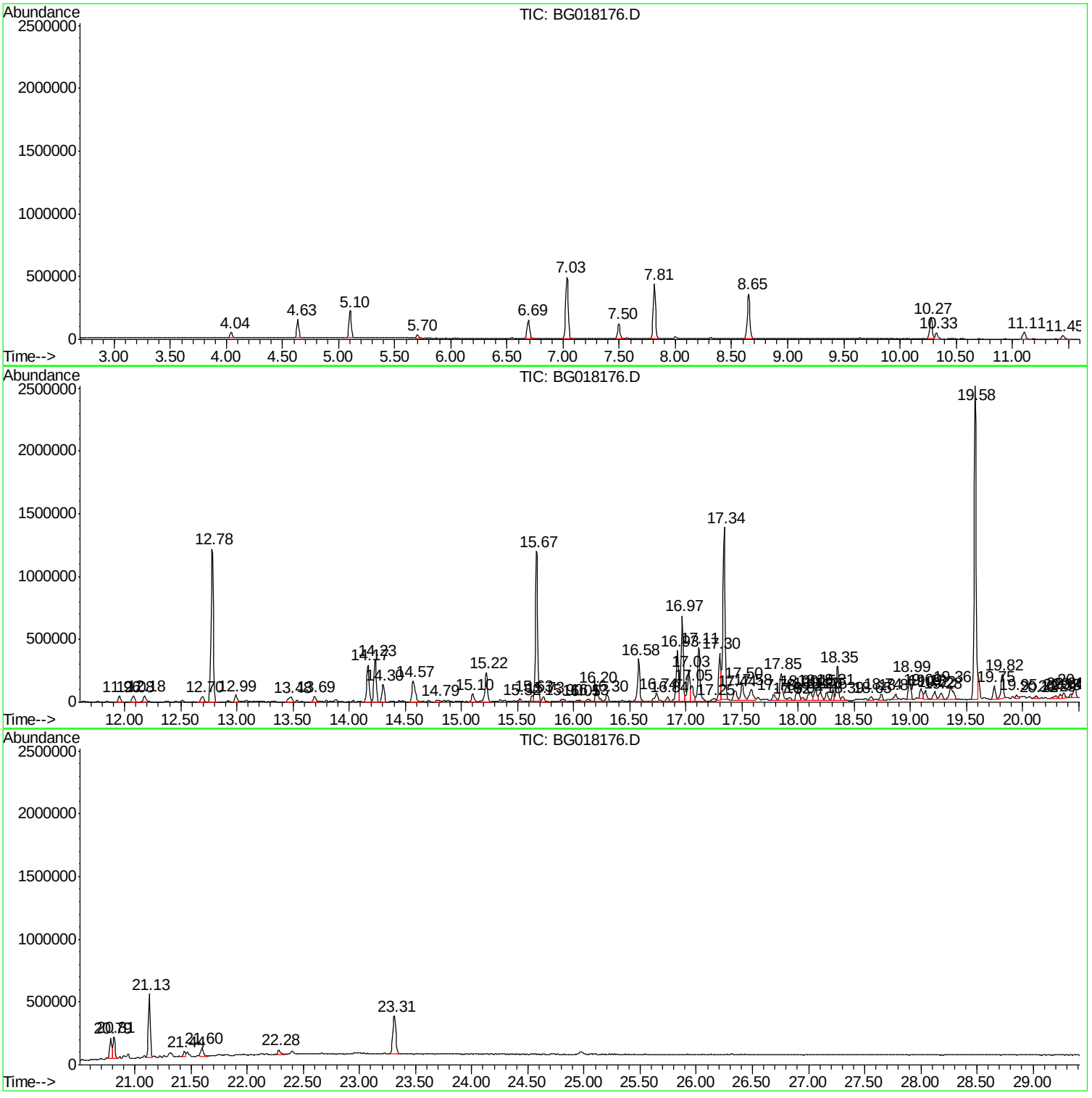
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.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\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

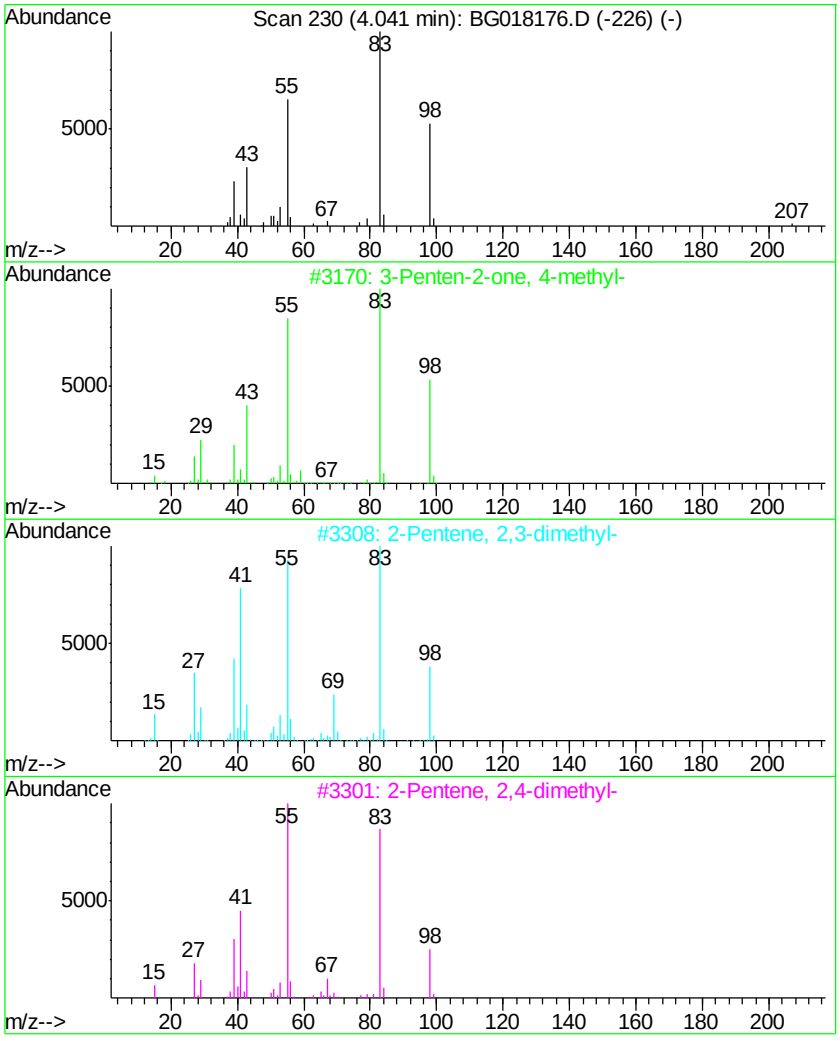
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

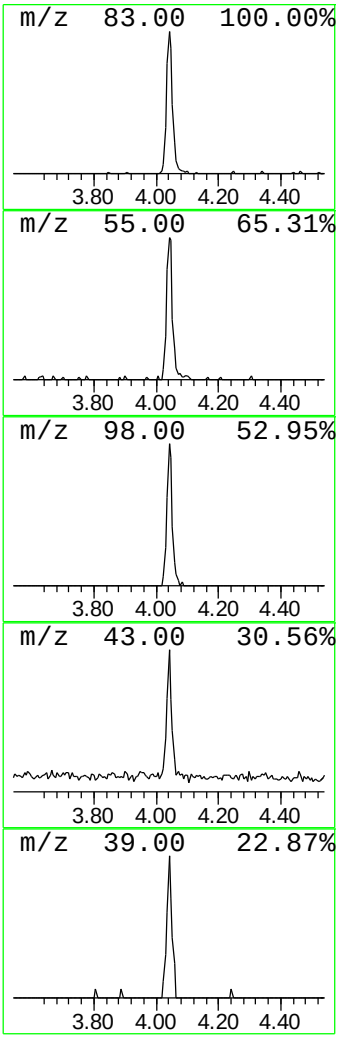
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.04	5.97 ng	52985	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
2	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	78
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	78
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	78
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

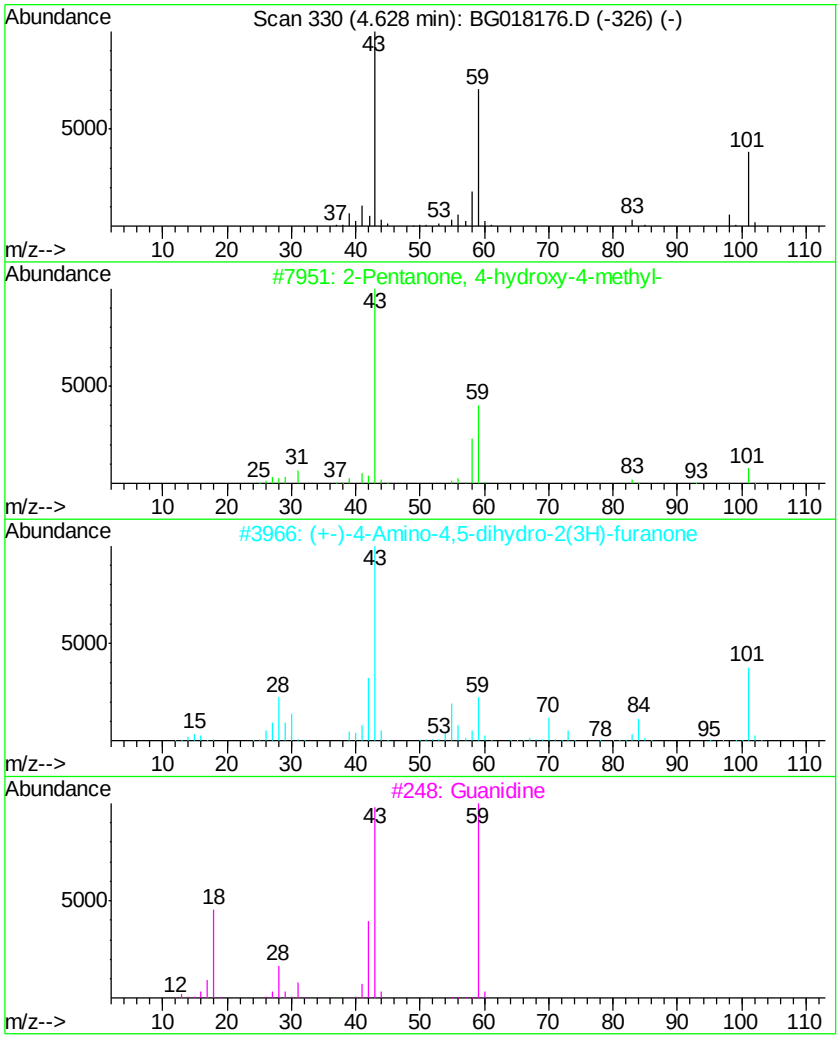
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

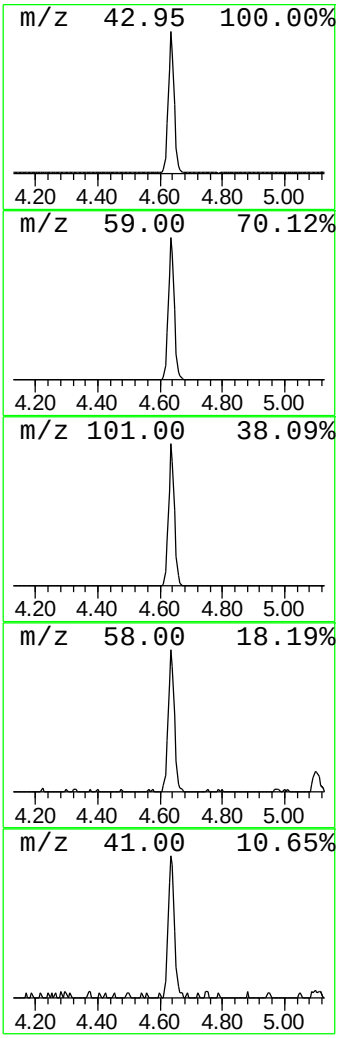
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	22.39 ng	198613	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	50
3	Guanidine	59	CH5N3	000113-00-8	35
4	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	12
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	10





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

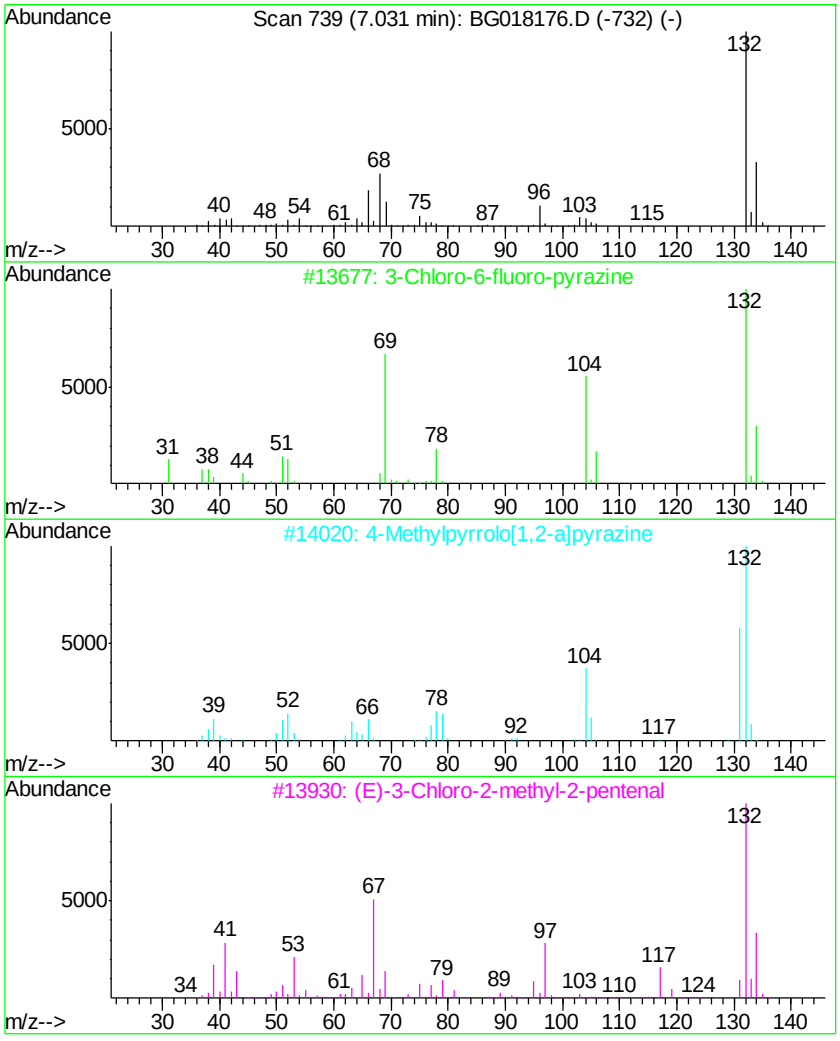
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

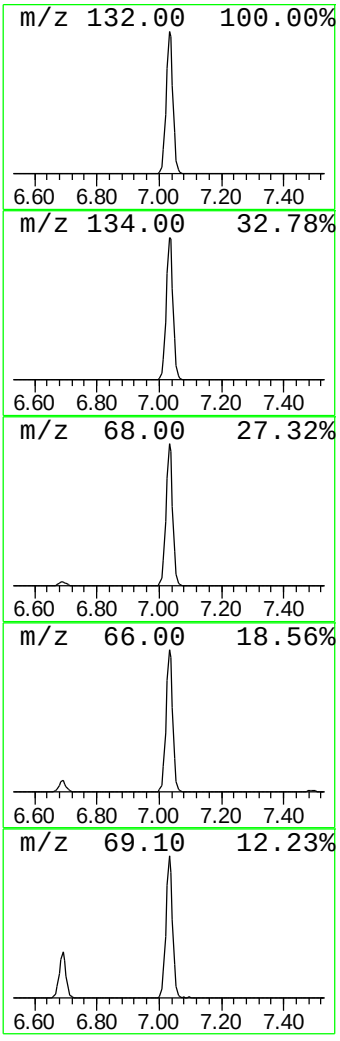
****

Peak Number 3 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	85.39 ng	757342	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	52
2	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	37
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	33
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	32
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

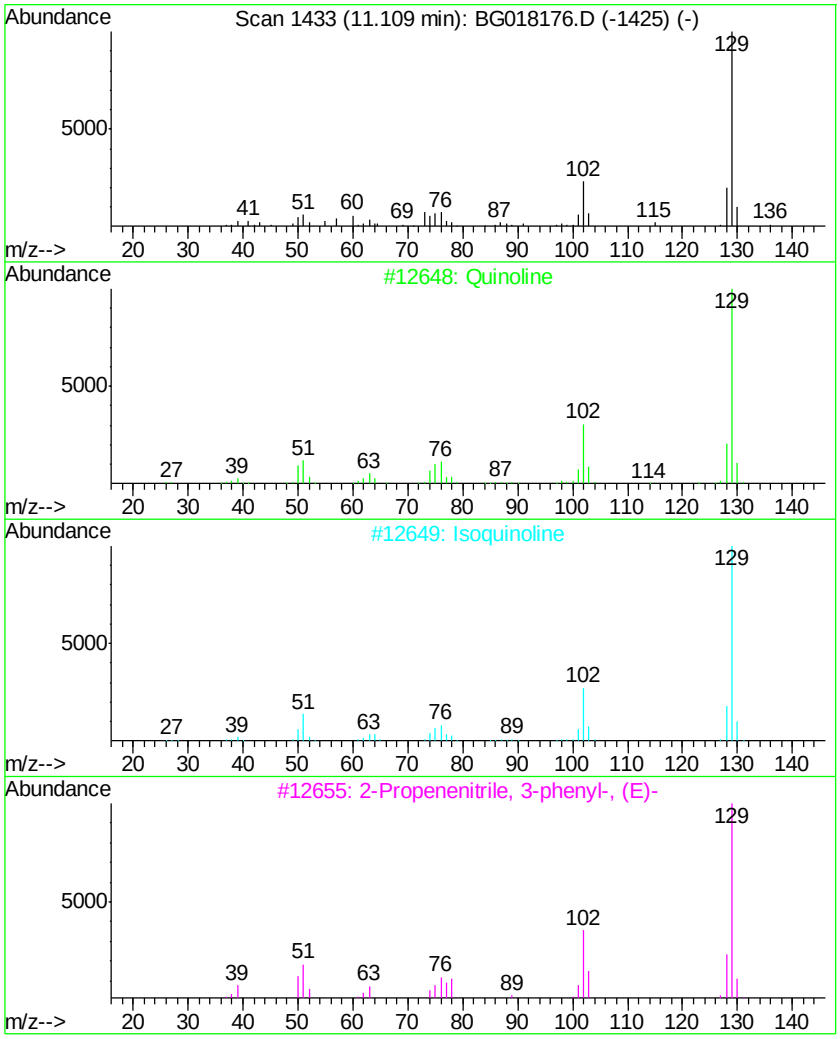
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

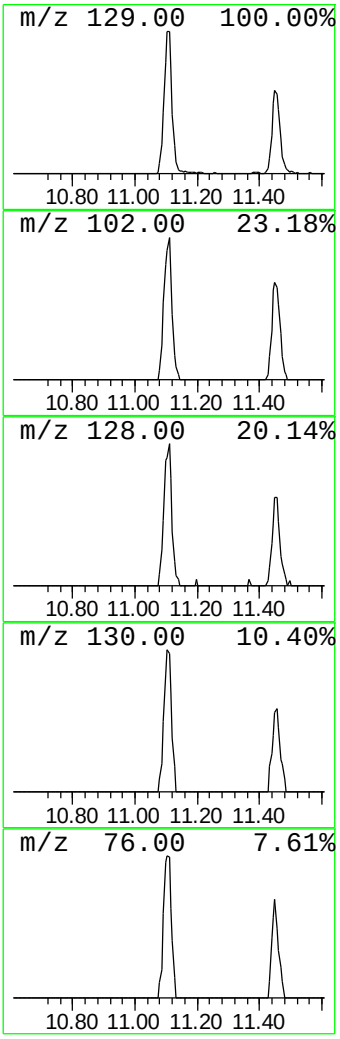
****

Peak Number 5 Quinoline Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	7.09 ng	101803	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	93
2	Isoquinoline	129	C9H7N	000119-65-3	93
3	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	90
4	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	80
5	1-Benzocyclobutenecarbonitrile	129	C9H7N	006809-91-2	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

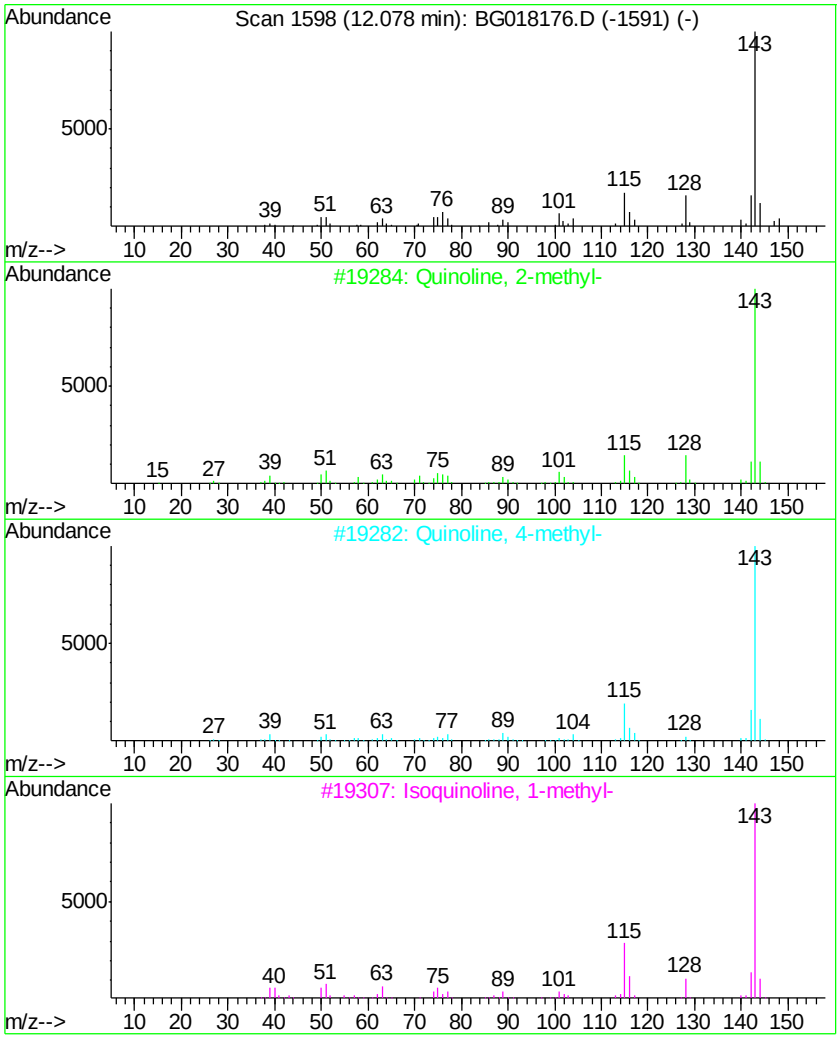
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

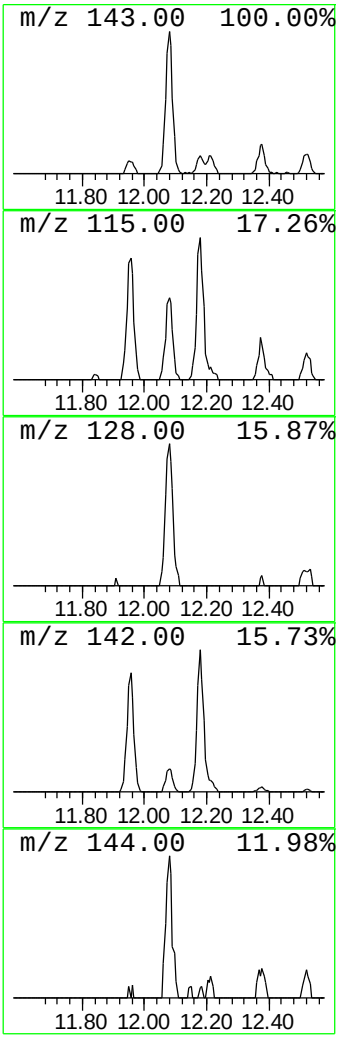
****

Peak Number 6 Quinoline, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	5.33 ng	76535	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	93
2	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	90
3	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	83
4	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	64
5	2-Naphthalenamine	143	C10H9N	000091-59-8	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.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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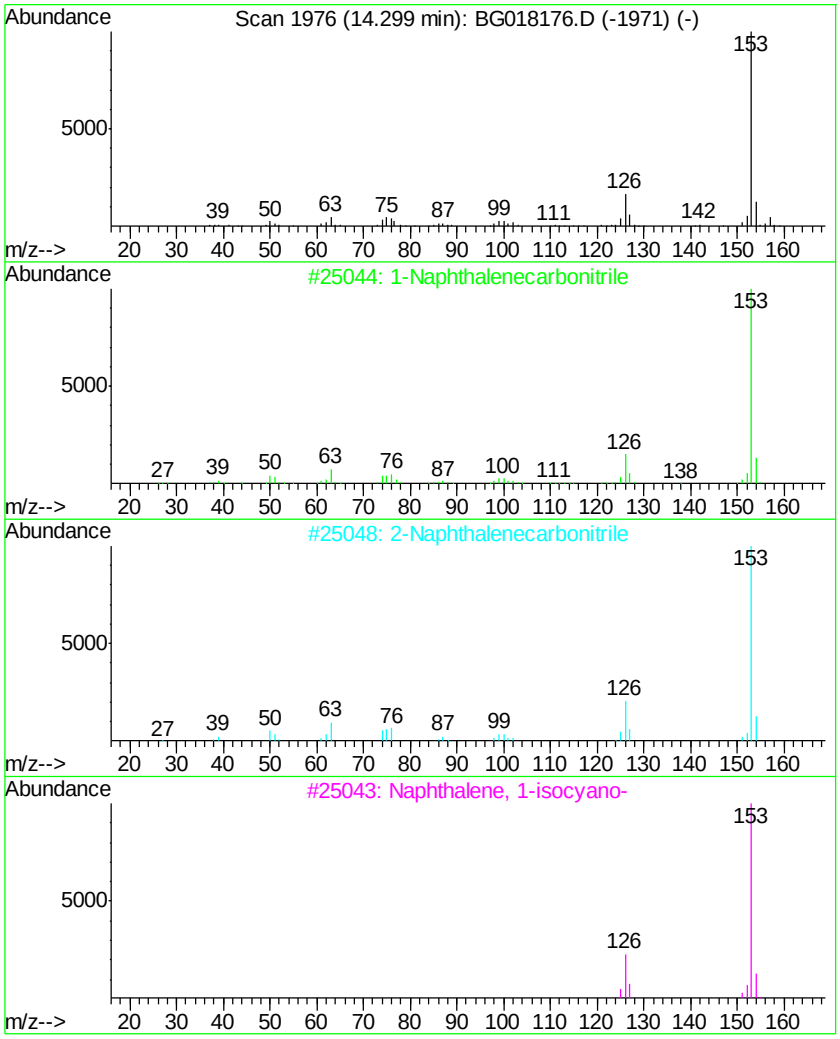
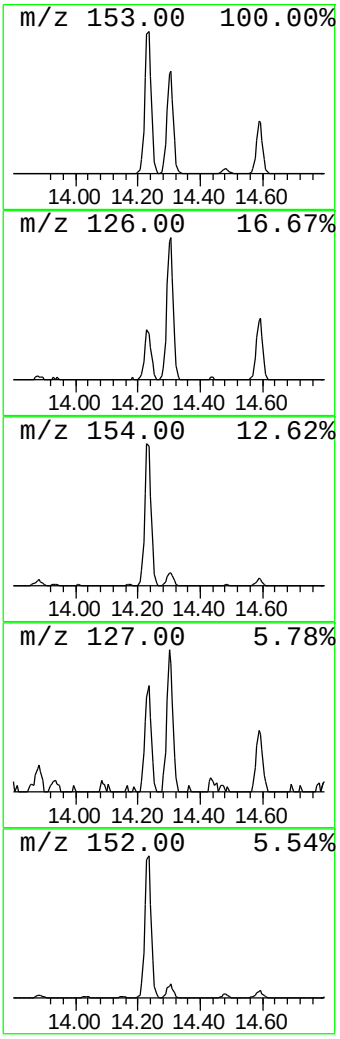
Peak Number 8 1-Naphthalenecarbonitrile Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	8.76 ng	202513	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	86
4	1,3,5-Triazine, 2-amino-4-methyl...	153	C6H11N5	021320-31-0	53
5	Acetamide, N-(3-chloro-4-fluorop...	297	C12H9ClFN3OS	1000272-07-1	39





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Operator : TP/UM
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Misc :
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ClientSampleId : BRIDGE14-5(0-2)

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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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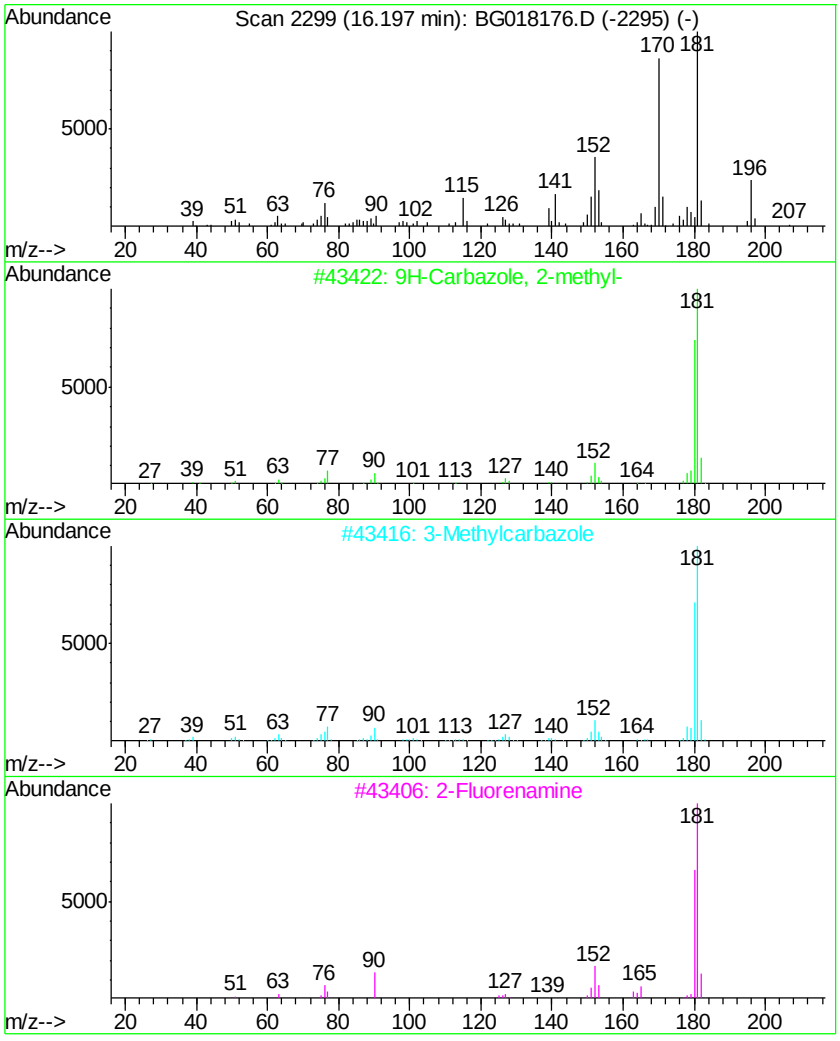
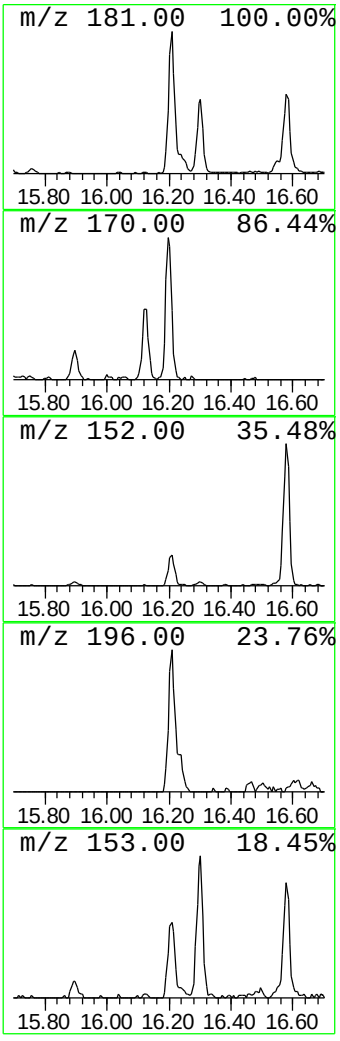
Peak Number 9 9H-Carbazole, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	7.00 ng	215951	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	64
2	3-Methylcarbazole	181	C13H11N	004630-20-0	58
3	2-Fluorenamine	181	C13H11N	000153-78-6	53
4	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	50
5	(1,1'-Biphenyl)-2,2'-dicarboxald...	210	C14H10O2	001210-05-5	50





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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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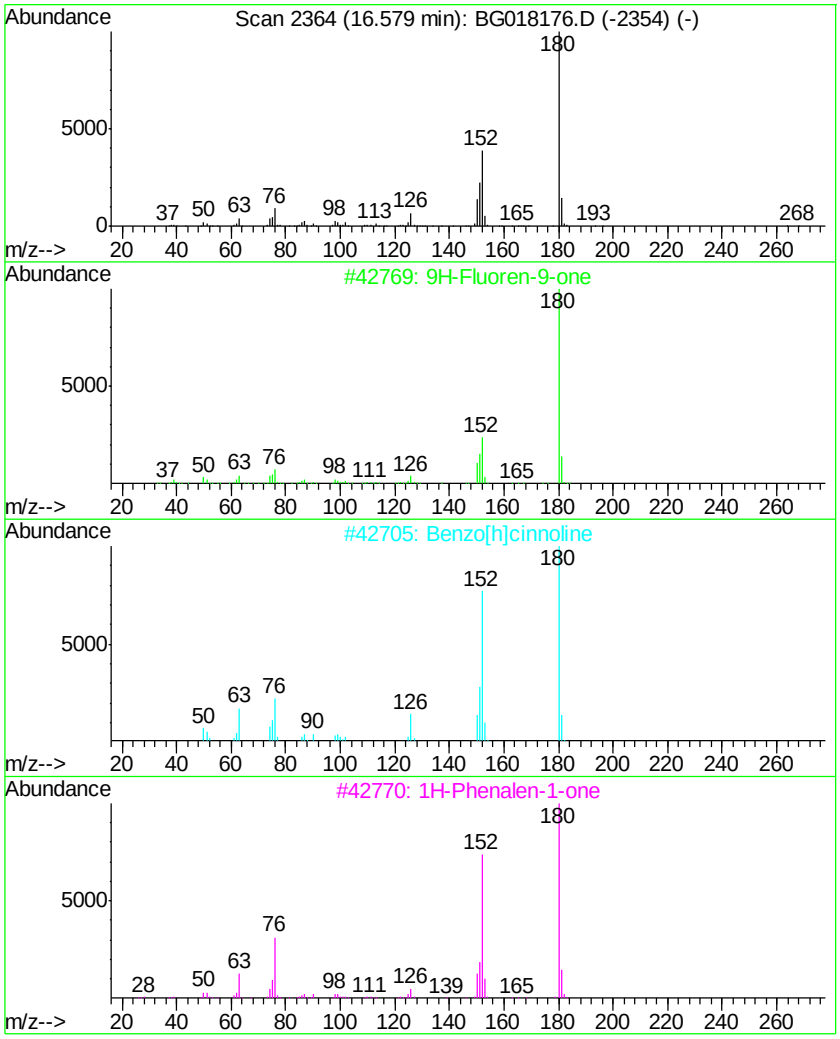
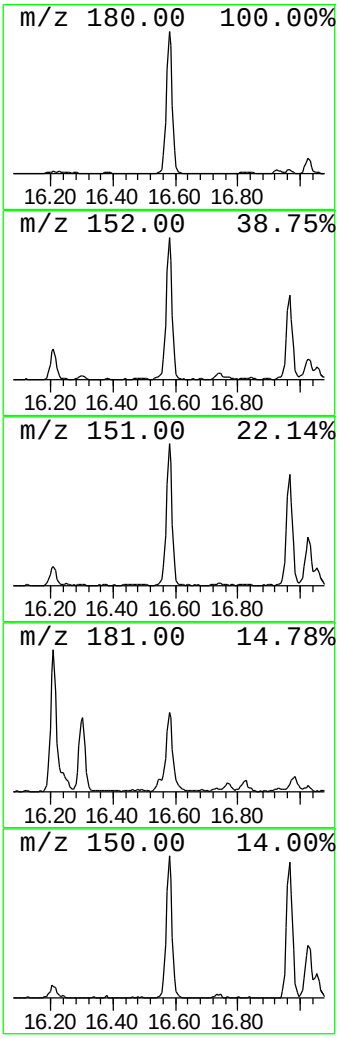
Peak Number 10 9H-Fluoren-9-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	15.84 ng	488354	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	Phenazine	180	C12H8N2	000092-82-0	47
5	2,3-Dicyanoquinoxaline	180	C10H4N4	017132-92-2	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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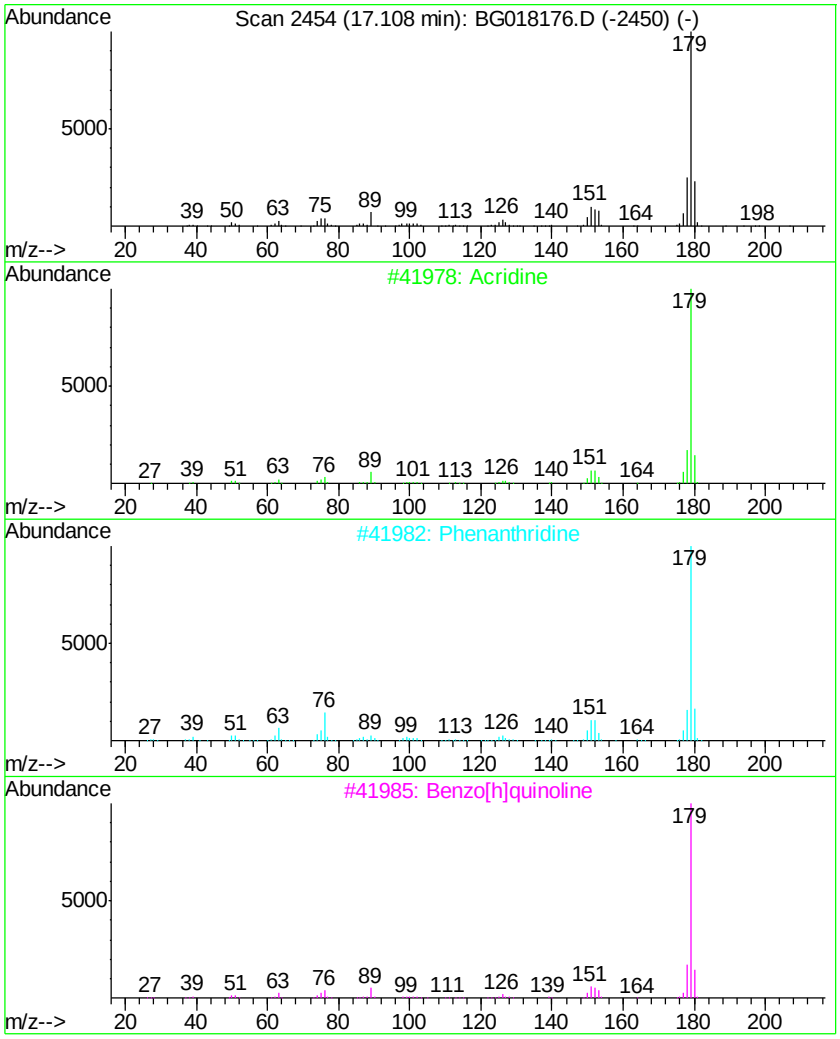
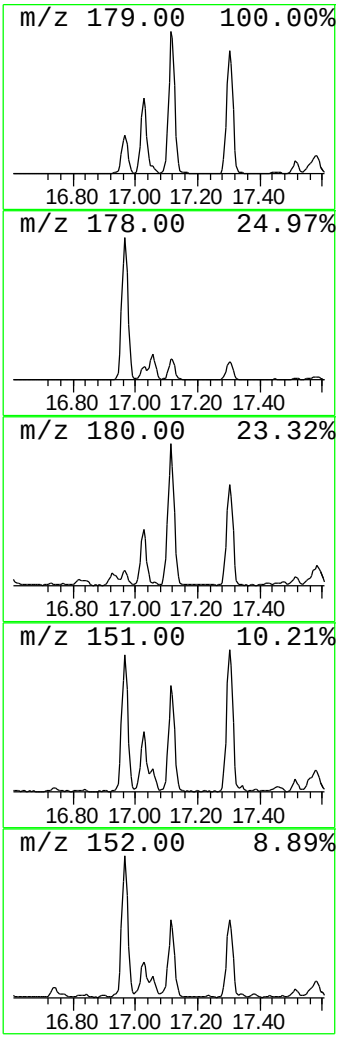
Peak Number 11 Acridine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	21.23 ng	654687	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Phenanthridine	179	C13H9N	000229-87-8	91
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
4	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	87
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	86





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ClientSampleId : BRIDGE14-5(0-2)

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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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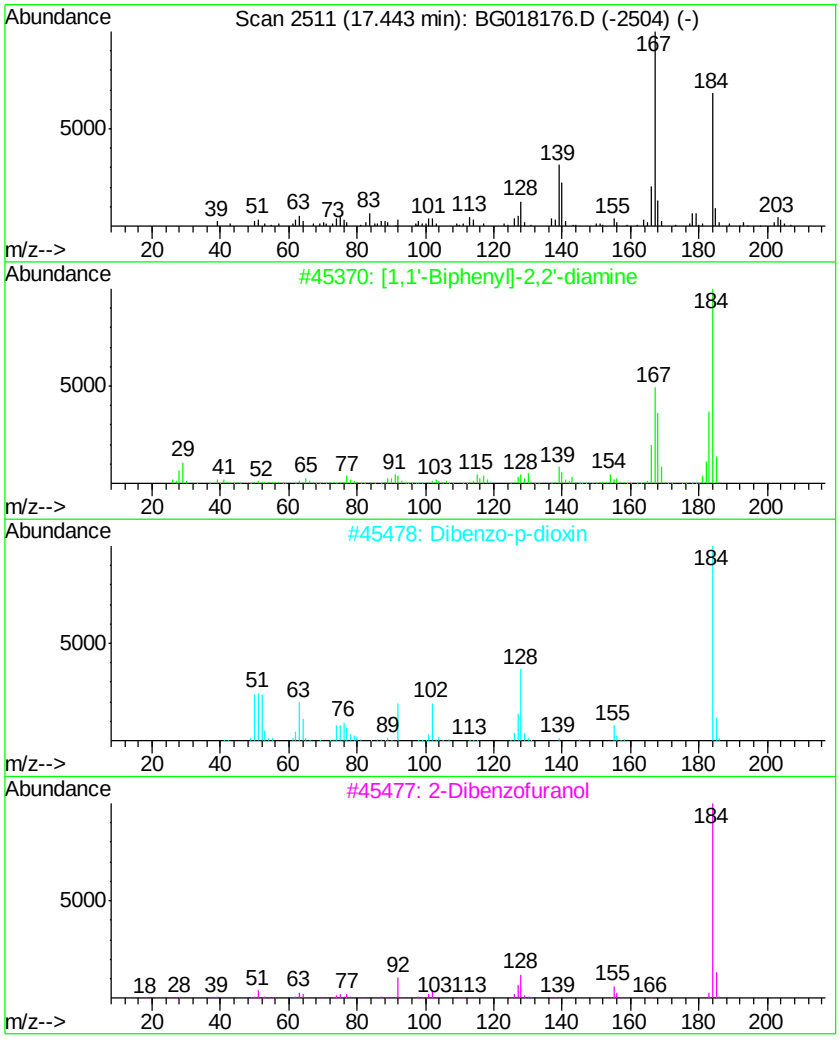
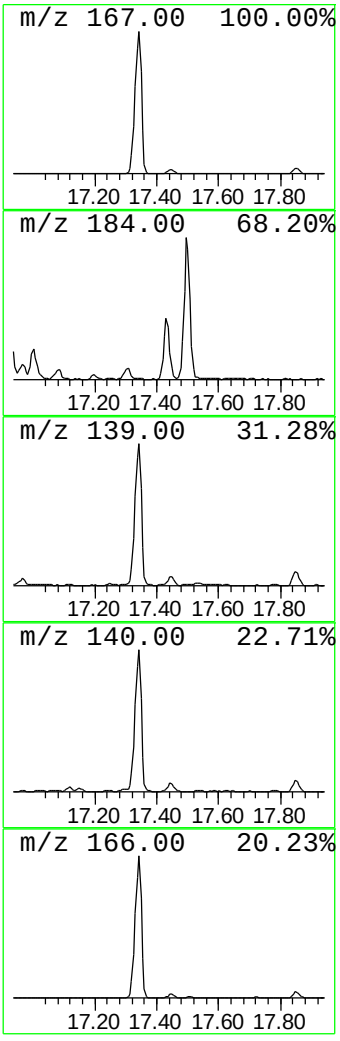
Peak Number 12 [1,1'-Biphenyl]-2,2'-diamine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	5.51 ng	169739	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-2,2'-diamine	184	C12H12N2	001454-80-4	80
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	60
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	60
4	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	50
5	Benzidine	184	C12H12N2	000092-87-5	49





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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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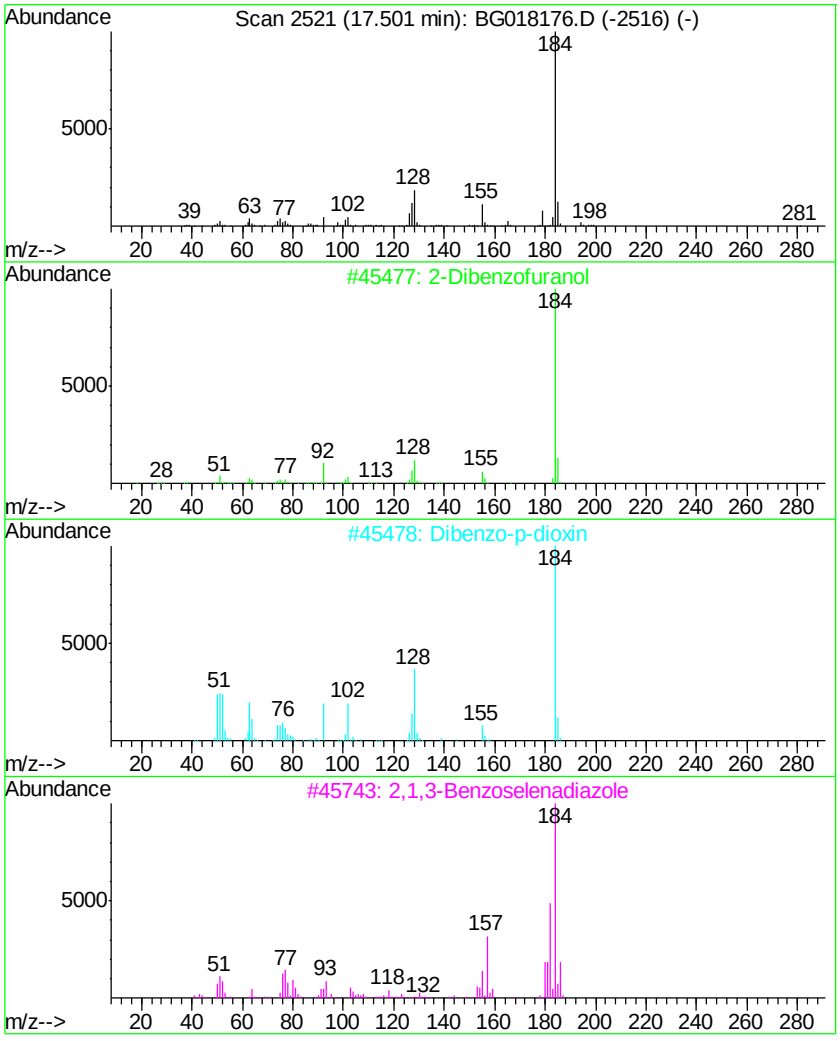
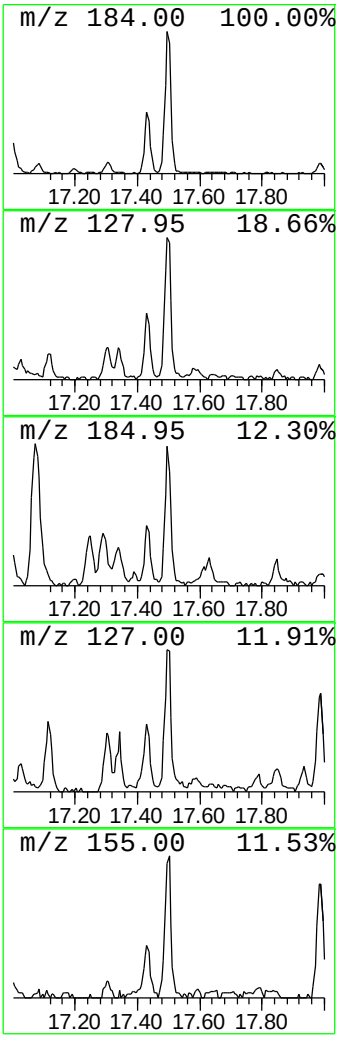
Peak Number 13 2-Dibenzofuranol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	8.19 ng	252385	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87
3	2,1,3-Benzoselenadiazole	184	C6H4N2Se	000273-15-4	59
4	Dibenzothiophene	184	C12H8S	000132-65-0	53
5	Benzene, 1-methyl-4-phenoxy-	184	C13H12O	001706-12-3	53





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ClientSampleId : BRIDGE14-5(0-2)

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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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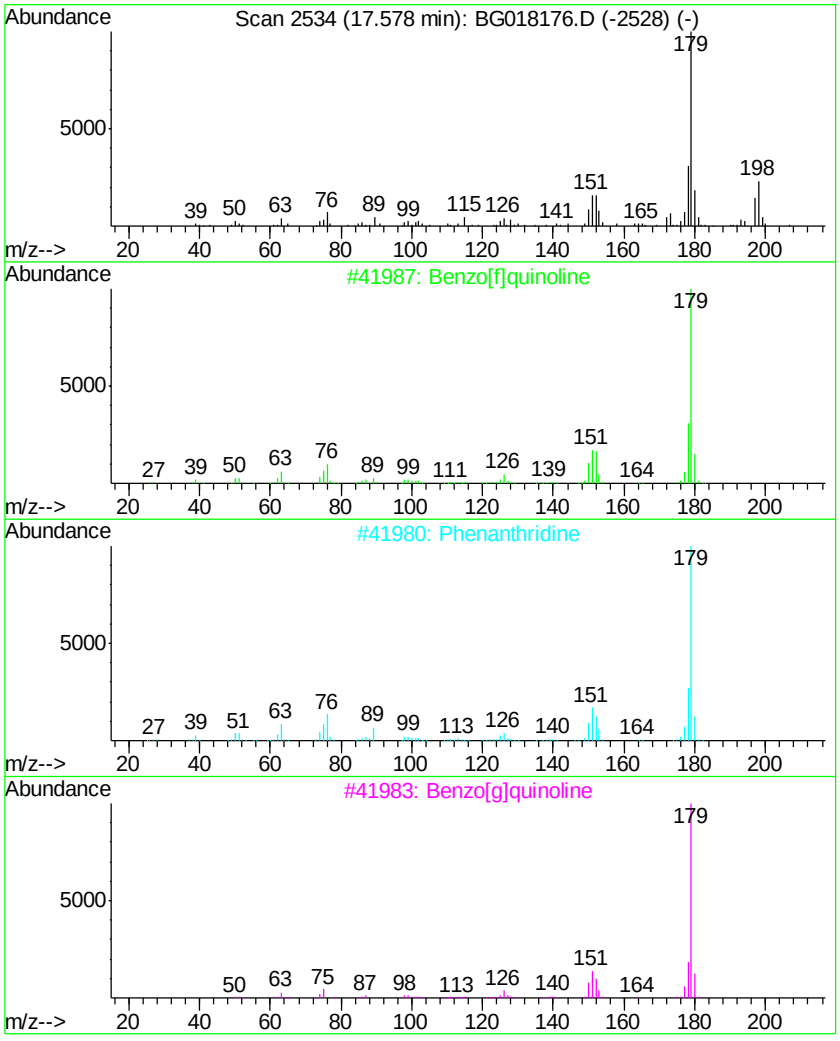
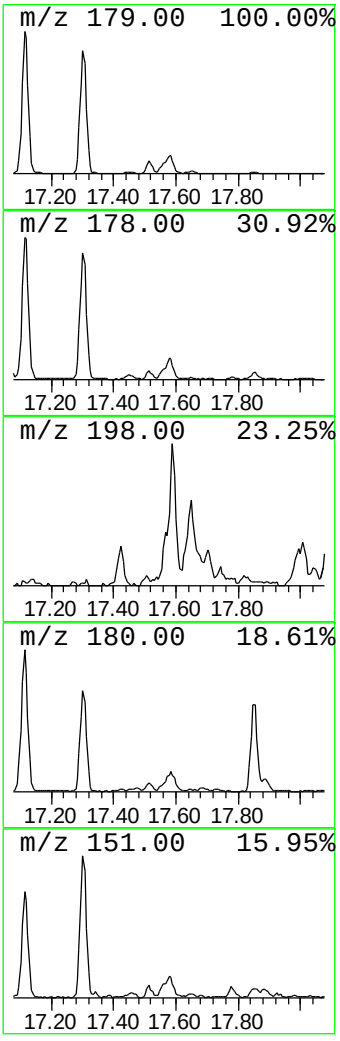
Peak Number 14 Benzo[f]quinoline Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	6.54 ng	201727	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[f]quinoline	179	C13H9N	000085-02-9	86
2	Phenanthridine	179	C13H9N	000229-87-8	86
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	70
4	Benzo[f]isoquinoline	179	C13H9N	000229-67-4	70
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	70





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Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

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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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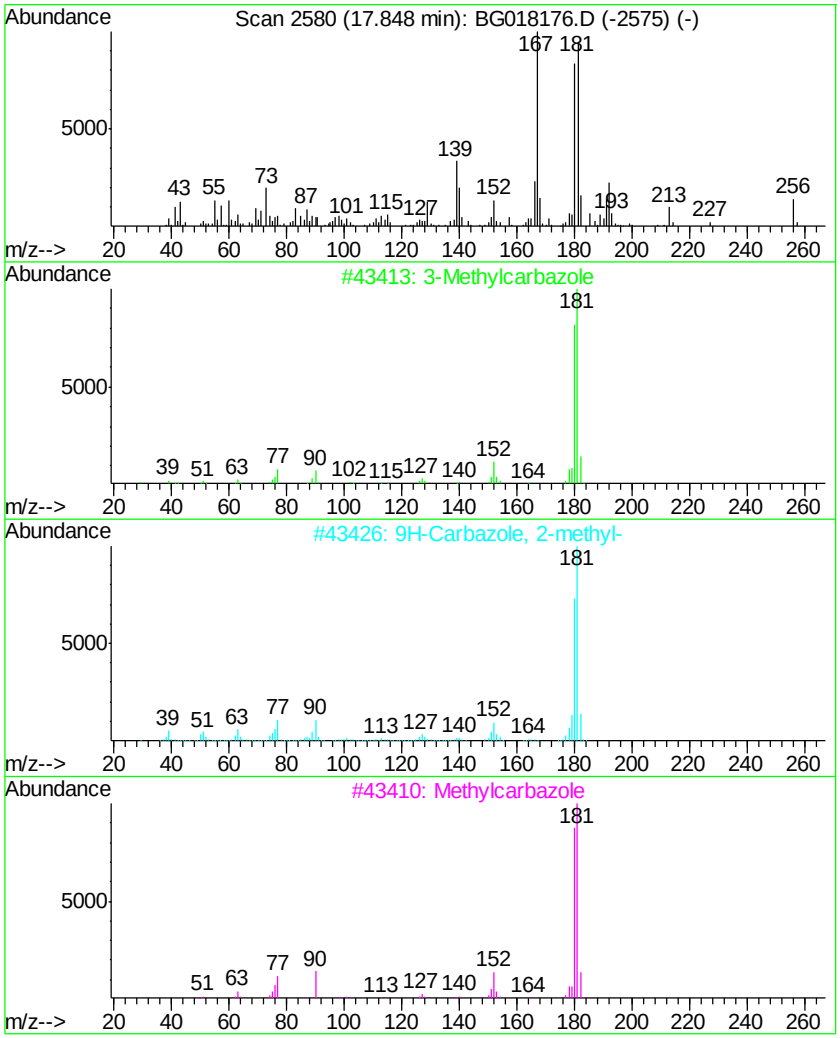
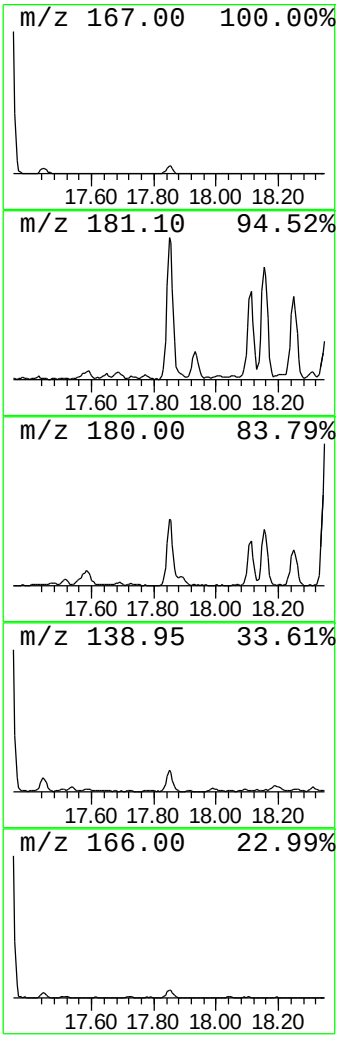
Peak Number 15 3-Methylcarbazole Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	11.36 ng	350170	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	60
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	60
3	Methylcarbazole	181	C13H11N	027323-29-1	52
4	1-Methylcarbazole	181	C13H11N	006510-65-2	46
5	2-Fluorenamine	181	C13H11N	000153-78-6	41





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Sample : G3114-01
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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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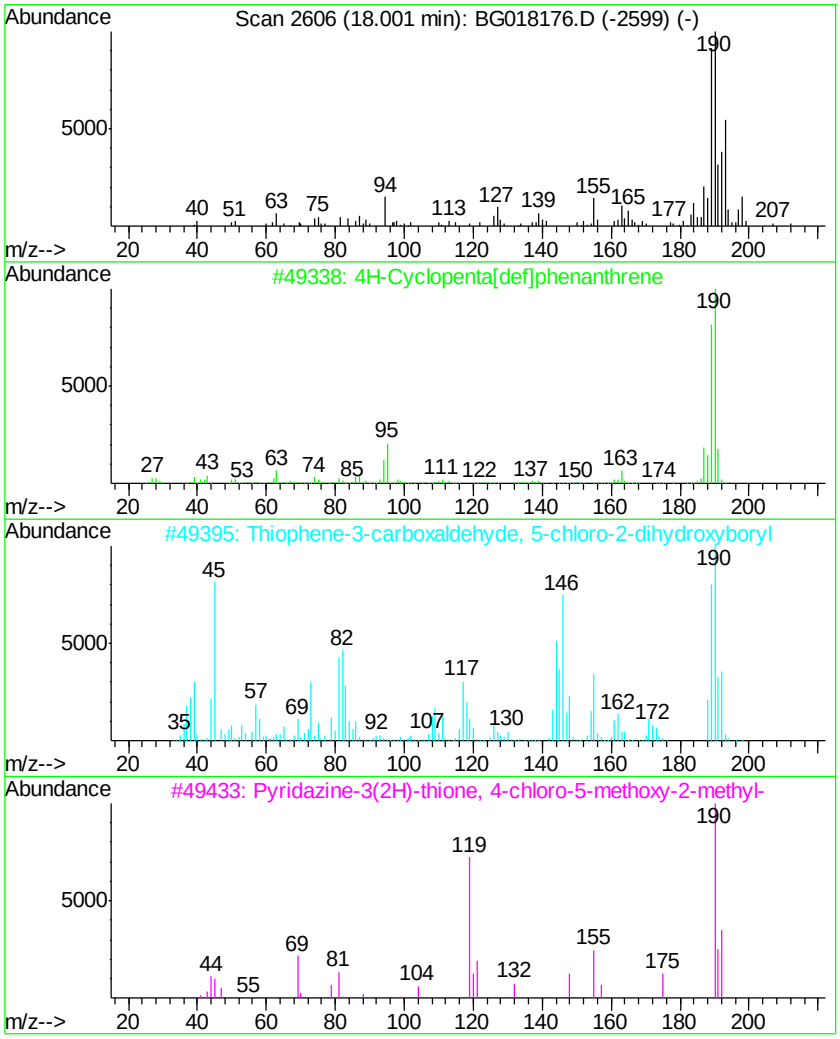
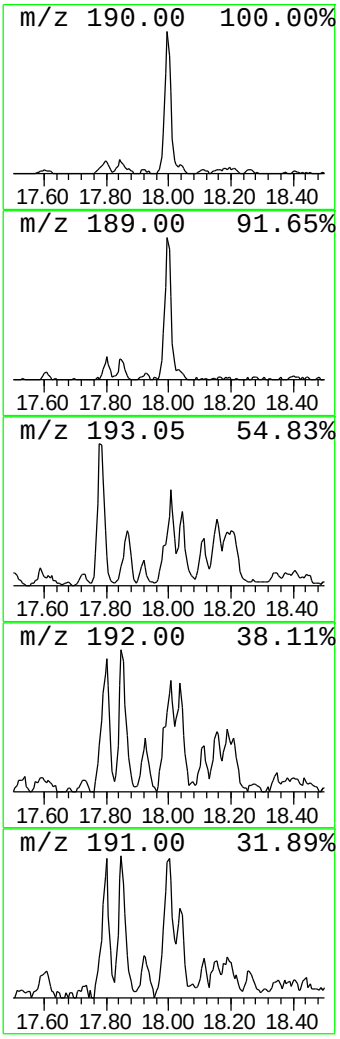
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	5.41 ng	166849	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
3	Pyridazine-3(2H)-thione, 4-chlor...	190	C6H7ClN2OS	072038-53-0	32
4	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	30
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	28





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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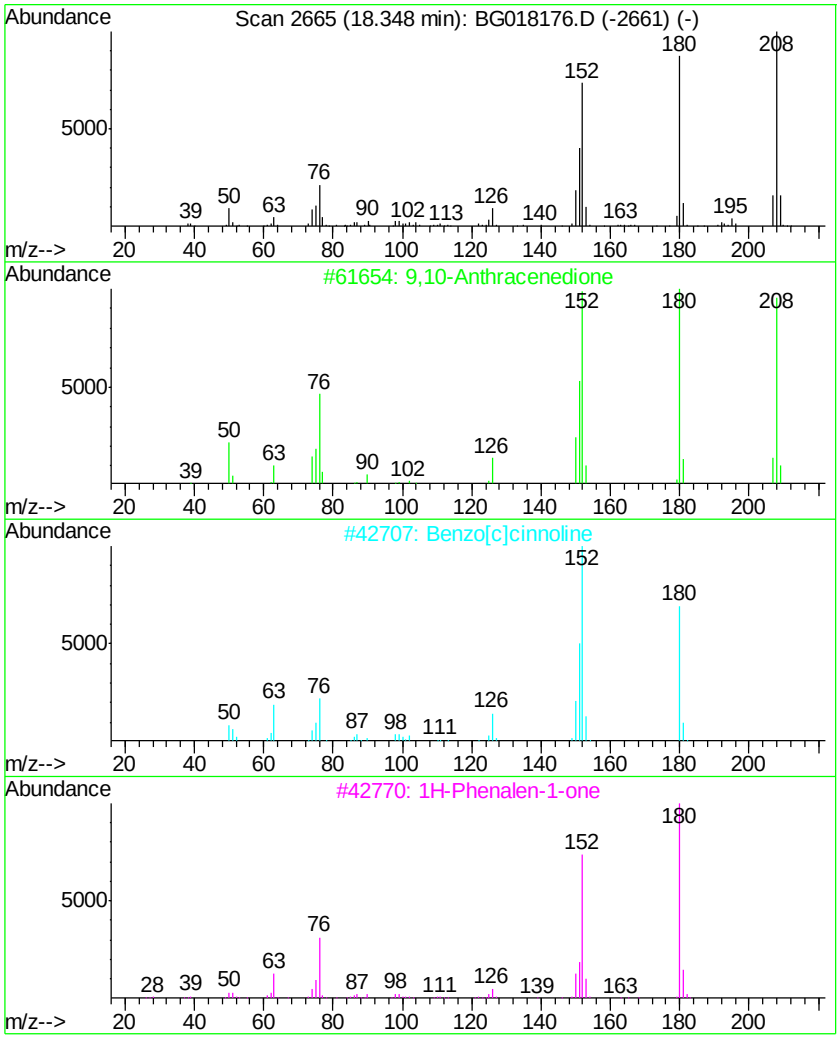
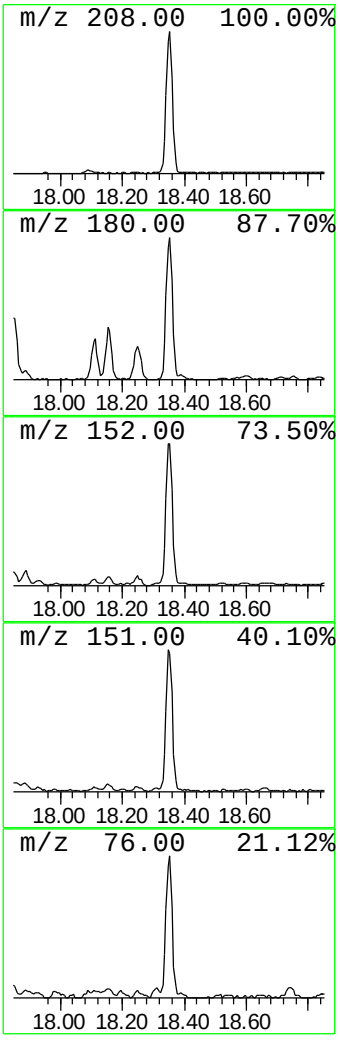
Peak Number 17 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	12.84 ng	395913	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	Nickel, [1,2-ethanediylbis[dimet...	238	C8H22NiP2	122905-77-5	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	50





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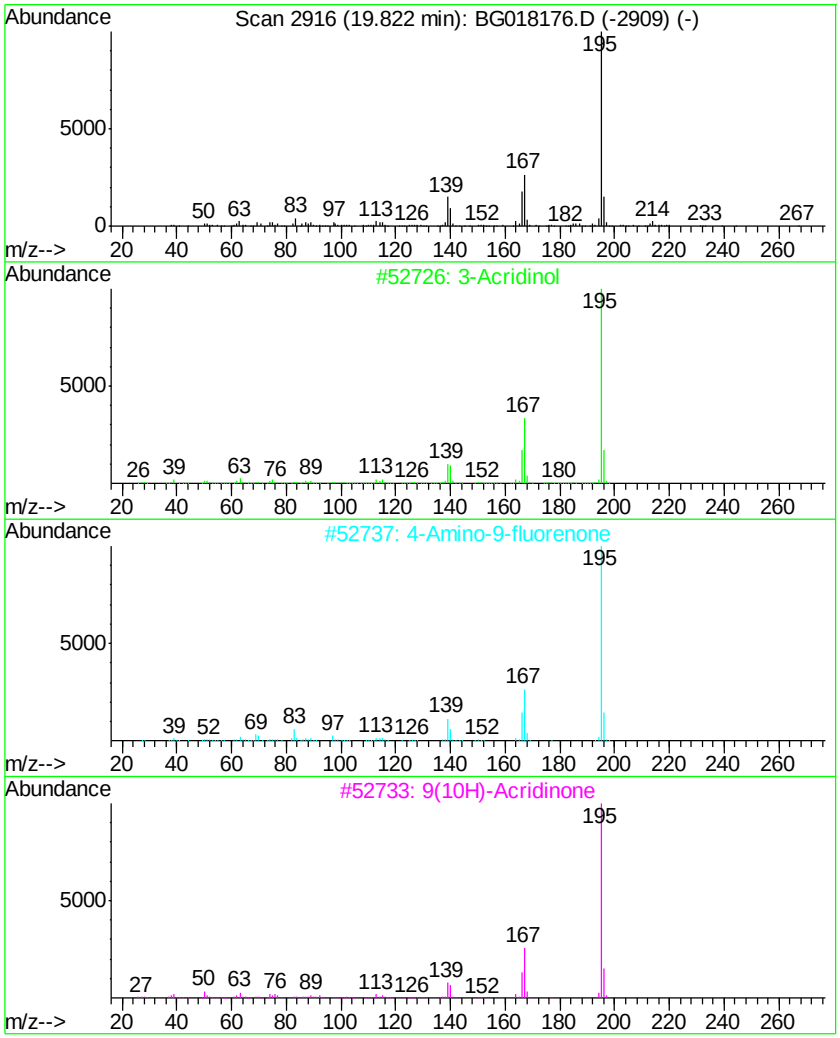
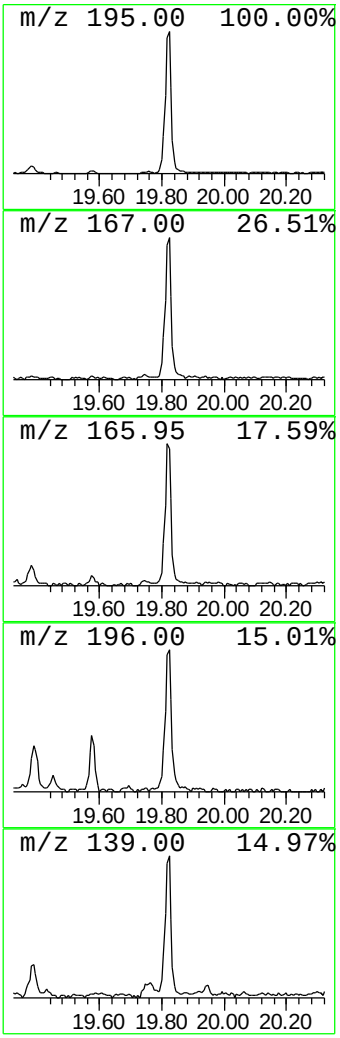
Peak Number 18 3-Acridinol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	8.70 ng	283018	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Acridinol	195	C13H9NO	007132-70-9	96
2	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	94
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	91
4	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	90
5	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	90





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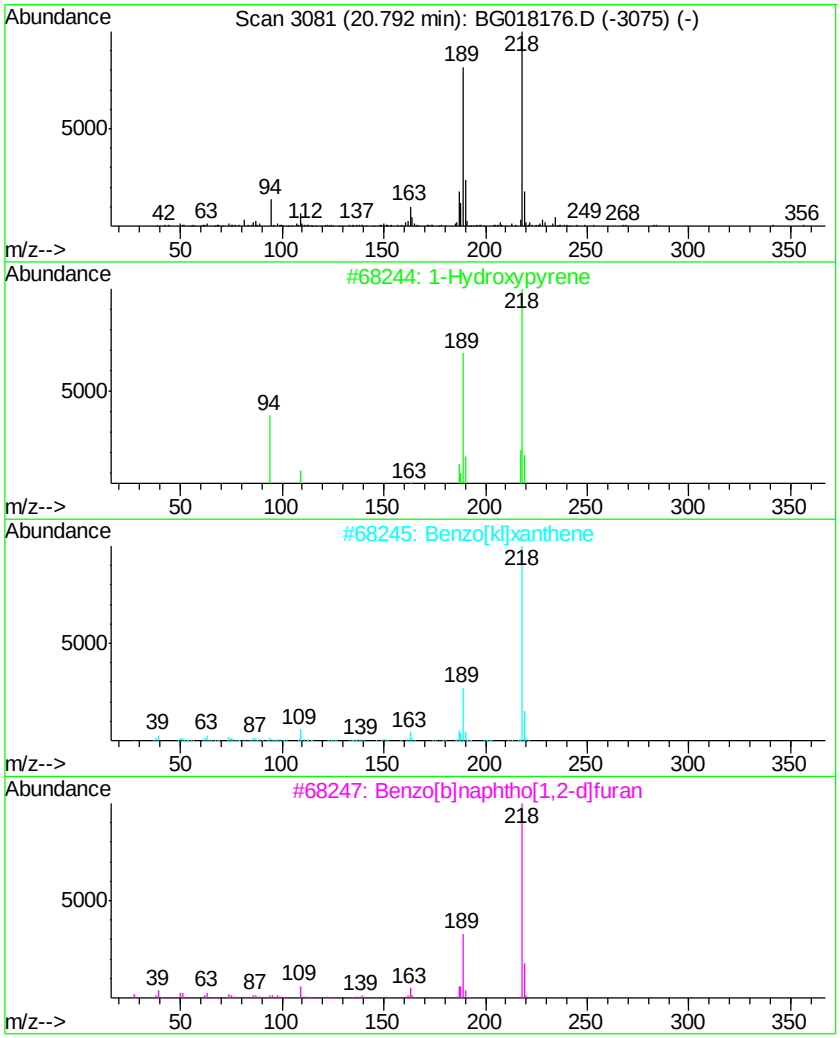
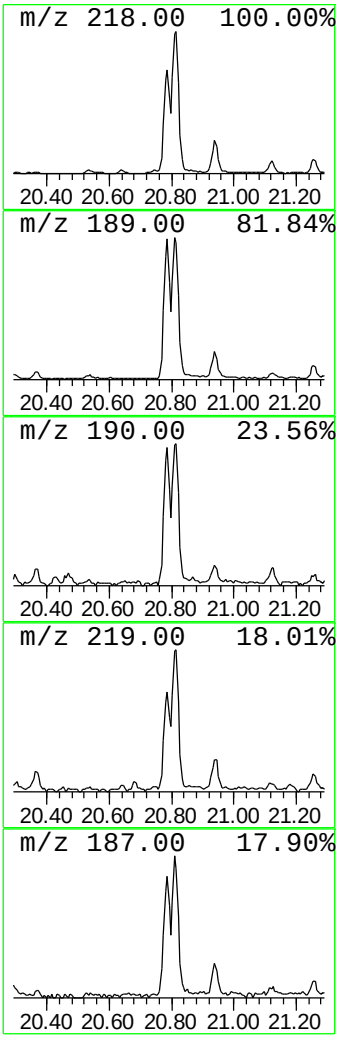
Peak Number 19 1-Hydroxypyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	6.64 ng	215868	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxypyrene	218	C16H10O	005315-79-7	91
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	83
3	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	83
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	80
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	58





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Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

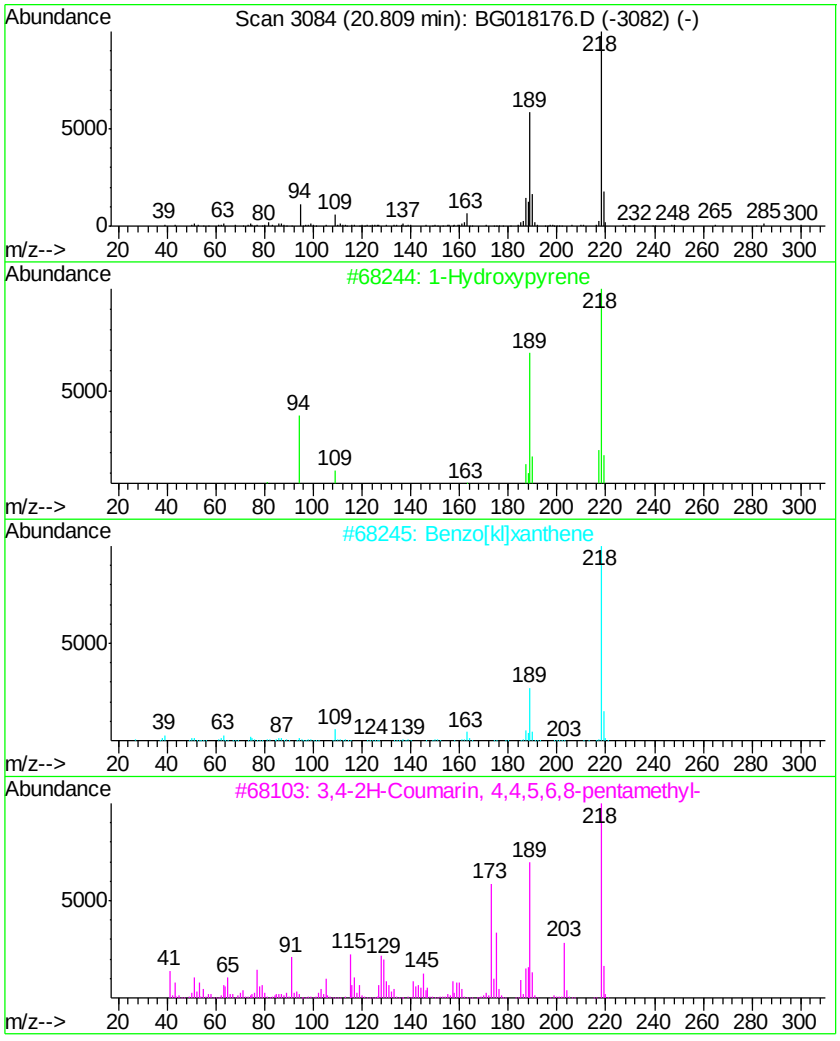
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

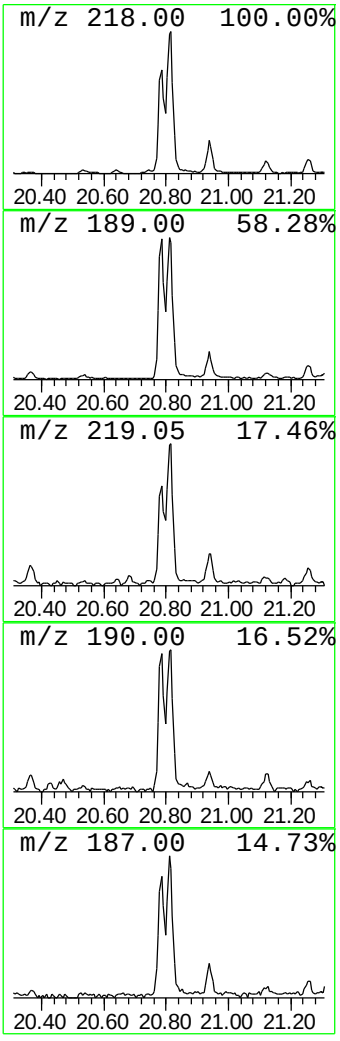
****

Peak Number 20 3,4-2H-Coumarin, 4,4,5,6,8-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	6.93 ng	225372	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxypyrene	218	C16H10O	005315-79-7	91
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	87
3	3,4-2H-Coumarin, 4,4,5,6,8-penta...	218	C14H18O2	1000129-70-7	86
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	80
5	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073015\
Data File : BG018176.D
Acq On : 30 Jul 2015 15:23
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BRIDGE14-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.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
3-Penten-2-one, 4...	4.04	6.0	ng	52985	1	7.50	177390	20.0
2-Pentanone, 4-hy...	4.63	22.4	ng	198613	1	7.50	177390	20.0
3-Chloro-6-fluoro...	7.03	85.4	ng	757342	1	7.50	177390	20.0
Quinoline	11.11	7.1	ng	101803	2	10.27	287130	20.0
Quinoline, 2-methyl-	12.08	5.3	ng	76535	2	10.27	287130	20.0
1-Naphthalenecarb...	14.30	8.8	ng	202513	3	14.17	462112	20.0
9H-Carbazole, 2-m...	16.20	7.0	ng	215951	4	16.93	616657	20.0
9H-Fluoren-9-one	16.58	15.8	ng	488354	4	16.93	616657	20.0
Acridine	17.11	21.2	ng	654687	4	16.93	616657	20.0
[1,1'-Biphenyl]-2...	17.44	5.5	ng	169739	4	16.93	616657	20.0
2-Dibenzofuranol	17.50	8.2	ng	252385	4	16.93	616657	20.0
Benzo[f]quinoline	17.58	6.5	ng	201727	4	16.93	616657	20.0
3-Methylcarbazole	17.85	11.4	ng	350170	4	16.93	616657	20.0
4H-Cyclopenta[def...	18.00	5.4	ng	166849	4	16.93	616657	20.0
9,10-Anthracenedione	18.35	12.8	ng	395913	4	16.93	616657	20.0
3-Acridinol	19.82	8.7	ng	283018	5	21.13	650267	20.0
1-Hydroxypyrene	20.79	6.6	ng	215868	5	21.13	650267	20.0
3,4-2H-Coumarin, ...	20.81	6.9	ng	225372	5	21.13	650267	20.0