LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

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-BG060616.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	2.868	3	5	25	rVB	1504471	2121340	100.00%	7.647%
2	5.100	380	385	395	rBV	26399	52606	2.48%	0.190%
3	5.600	463	470	490	rBV	374745	719388	33.91%	2.593%
4	7.233	740	748	763	rBV	426313	853578	40.24%	3.077%
5	7.580	799	807	820	rBV	475734	909909	42.89%	3.280%
6	8.038	879	885	898	rVB	76516	150176	7.08%	0.541%
7	8.367	933	941	952	rBV	349758	687559	32.41%	2.479%
8	9.219	1077	1086	1101	rBV	251840	540694	25.49%	1.949%
9	10.864	1358	1366	1372	rBV	122739	254094	11.98%	0.916%
10	12.515	1642	1647	1656	rBV4	11383	21873	1.03%	0.079%
11	12.733	1678	1684	1693	rBV	14336	25563	1.21%	0.092%
12	13.302	1772	1781	1794	rBV	849137	1450697	68.39%	5.229%
13	14.002	1893	1900	1905	rBV2	15346	31553	1.49%	0.114%
14	14.125	1915	1921	1929	rVV	131965	229282	10.81%	0.827%
15	14.413	1962	1970	1977	rBV3	37949	84780	4.00%	0.306%
16	14.548	1988	1993	2002	rVB2	20825	33145	1.56%	0.119%
17	14.683	2006	2016	2023	rVV2	233189	428223	20.19%	1.544%
18	15.077	2074	2083	2091	rVV4	13890	35068	1.65%	0.126%
19	15.159	2091	2097	2105	rVB6	11596	25080	1.18%	0.090%
20	15.288	2114	2119	2125	rBV5	10983	21773	1.03%	0.078%
21	15.453	2142	2147	2150	rBV5	15673	28363	1.34%	0.102%
22	15.494	2150	2154	2159	rVB2	30723	47194	2.22%	0.170%
23	15.711	2187	2191	2199	rBV6	11780	23940	1.13%	0.086%
24	15.894	2216	2222	2228	rBV4	11938	26089	1.23%	0.094%
25	16.017	2237	2243	2252	rBV5	9801	21639	1.02%	0.078%
26	16.176	2263	2270	2286	rBV	551396	956370	45.08%	3.448%
27	16.358	2295	2301	2303	rBV2	32910	54457	2.57%	0.196%
28	16.957	2395	2403	2406	rBV7	13910	30114	1.42%	0.109%
29	16.992	2406	2409	2417	rVB9	10674	23391	1.10%	0.084%
30	17.086	2420	2425	2430	rBV3	14549	27506	1.30%	0.099%
31	17.145	2431	2435	2440	rBV2	30581	44622	2.10%	0.161%
32	17.427	2476	2483	2487	rBV	265662	463815	21.86%	1.672%
33	17.468	2487	2490	2499	rVB	150845	232468	10.96%	0.838%
34	17.562	2501	2506	2510	rBV	29550	51198	2.41%	0.185%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.844	2549	2554	2558	rBV4	22786	46831	2.21%	0.169%
36	17.885	2558	2561	2566	rVB	24397	33587	1.58%	0.121%
37	18.297	2626	2631	2635	rBV	45229	78552	3.70%	0.283%
38	18.349	2635	2640	2647	rVB2	67112	110488	5.21%	0.398%
39	18.426	2650	2653	2658	rVV3	15636	22530	1.06%	0.081%
40	18.485	2658	2663	2668	rBV3	69607	145253	6.85%	0.524%
41	18.526	2668	2670	2675	rVB2	38562	51969	2.45%	0.187%
42	18.790	2710	2715	2720	rBV2	38819	66721	3.15%	0.241%
43	18.843	2720	2724	2732	rVB2	51097	89637	4.23%	0.323%
44	19.031	2749	2756	2761	rBV5	26754	54023	2.55%	0.195%
45	19.084	2761	2765	2769	rBV	26148	34811	1.64%	0.125%
46	19.125	2769	2772	2779	rVB	25864	43748	2.06%	0.158%
47	19.201	2780	2785	2790	rBV2	101591	178271	8.40%	0.643%
48	19.260	2790	2795	2799	rBV5	30137	60540	2.85%	0.218%
49	19.354	2805	2811	2820	rVB2	69357	144397	6.81%	0.521%
50	19.472	2824	2831	2837	rBV	893079	1410806	66.51%	5.086%
51	19.525	2837	2840	2844	rVB2	23000	26975	1.27%	0.097%
52	19.566	2844	2847	2852	rVB3	28805	41135	1.94%	0.148%
53	19.624	2852	2857	2861	rBV	34066	59820	2.82%	0.216%
54	19.695	2866	2869	2875	rVV3	44754	67215	3.17%	0.242%
55	19.836	2882	2893	2900	rVV	900853	1589234	74.92%	5.729%
56	19.901	2900	2904	2910	rVB2	74733	126458	5.96%	0.456%
57	20.024	2918	2925	2930	rBV	1095579	1631150	76.89%	5.880%
58	20.153	2940	2947	2955	rBV4	105085	281934	13.29%	1.016%
59	20.300	2964	2972	2973	rBV6	111678	210129	9.91%	0.757%
60	20.418	2988	2992	2996	rBV2	55285	86082	4.06%	0.310%
61	20.482	2996	3003	3006	rVV2	111719	207059	9.76%	0.746%
62	20.559	3012	3016	3021	rVB2	27214	45606	2.15%	0.164%
63	20.623	3022	3027	3030	rVV	99548	154992	7.31%	0.559%
64	20.664	3030	3034	3042	rVB4	82524	146184	6.89%	0.527%
65	20.735	3043	3046	3052	rVV5	23435	44493	2.10%	0.160%
66	20.870	3066	3069	3072	rBV5	16920	28843	1.36%	0.104%
67	21.087	3101	3106	3113	rVB	155345	250745	11.82%	0.904%
68	21.264	3131	3136	3139	rBV3	99817	191088	9.01%	0.689%
69	21.305	3140	3143	3148	rVV2	143152	236545	11.15%	0.853%
70	21.364	3148	3153	3157	rVV3	93638	181728	8.57%	0.655%
71	21.422	3159	3163	3174	rVB	121614	265187	12.50%	0.956%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.681	3199	3207	3213	rBV2	519758	1530086	72.13%	5.516%
73	21.740	3213	3217	3230	rVB	468346	896917	42.28%	3.233%
74	21.892	3239	3243	3250	rVB5	34550	54756	2.58%	0.197%
75	21.963	3251	3255	3272	rVB8	60198	208598	9.83%	0.752%
76	22.098	3274	3278	3285	rVB3	40860	83024	3.91%	0.299%
77	22.163	3287	3289	3295	rVB5	29158	41082	1.94%	0.148%
78	22.345	3316	3320	3323	rBV4	24351	40627	1.92%	0.146%
79	22.421	3323	3333	3340	rVV	104932	289054	13.63%	1.042%
80	22.498	3341	3346	3354	rVB5	58900	137183	6.47%	0.495%
81	22.691	3375	3379	3385	rBV3	47789	108517	5.12%	0.391%
82	22.838	3399	3404	3409	rVB5	31077	71725	3.38%	0.259%
83	23.120	3447	3452	3460	rBV9	28243	74976	3.53%	0.270%
84	23.532	3515	3522	3530	rVB5	43330	121990	5.75%	0.440%
85	23.908	3576	3586	3594	rBV2	441769	1562858	73.67%	5.634%
86	24.160	3622	3629	3637	rBV2	73663	191798	9.04%	0.691%
87	24.366	3657	3664	3677	rBV5	31664	131361	6.19%	0.474%
88	24.636	3700	3710	3723	rVB	241248	775998	36.58%	2.797%
89	24.789	3725	3736	3746	rBV2	240823	760237	35.84%	2.741%
90	24.930	3753	3760	3768	rBV2	119469	337236	15.90%	1.216%
91	25.970	3929	3937	3938	rBV7	20672	35236	1.66%	0.127%
92	28.661	4378	4395	4410	rBV4	119280	626551	29.54%	2.259%
93	29.107	4464	4471	4472	rBV7	15424	28060	1.32%	0.101%
94	29.824	4579	4593	4609	rVB3	95866	480466	22.65%	1.732%

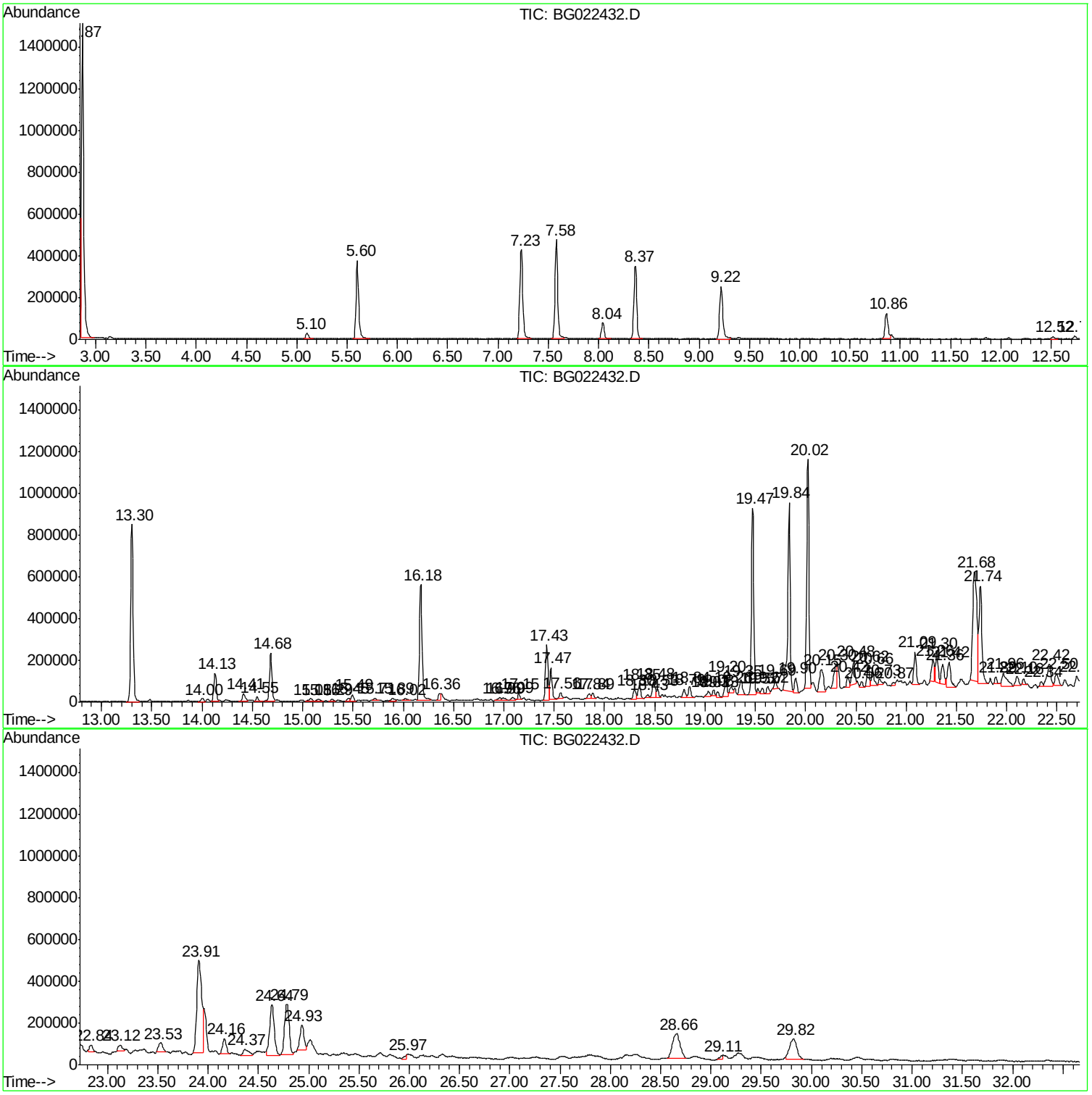
Sum of corrected areas: 27740649

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
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Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

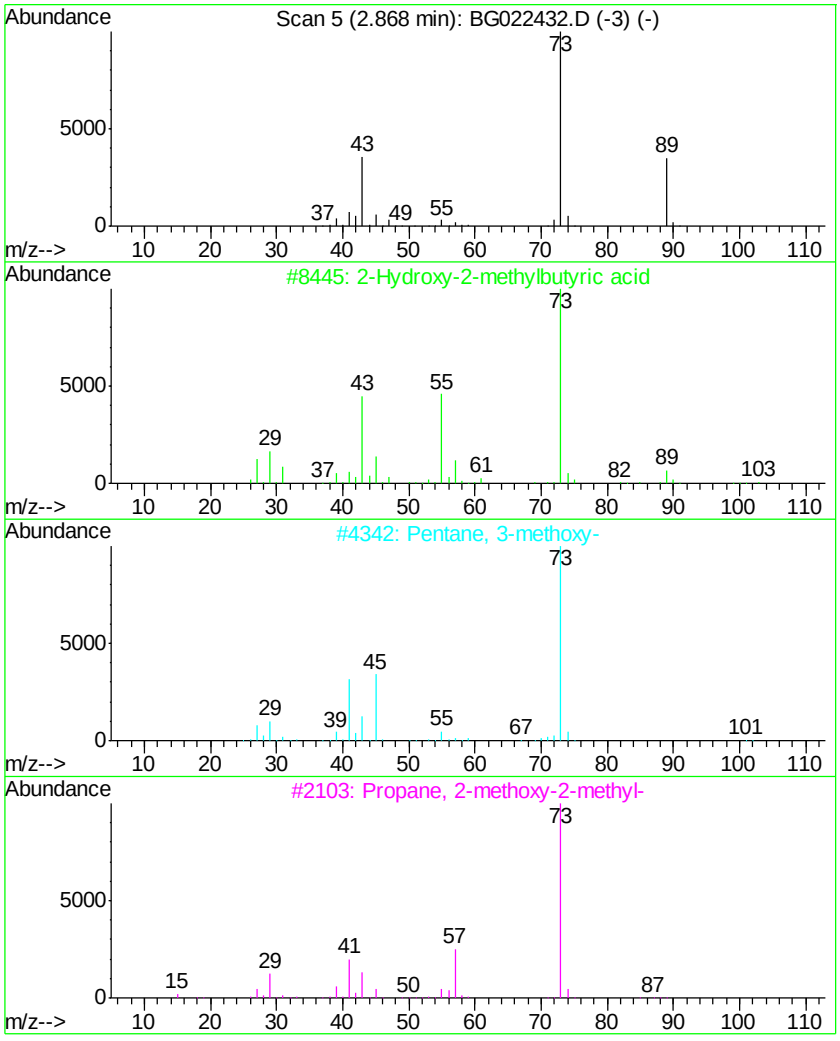
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

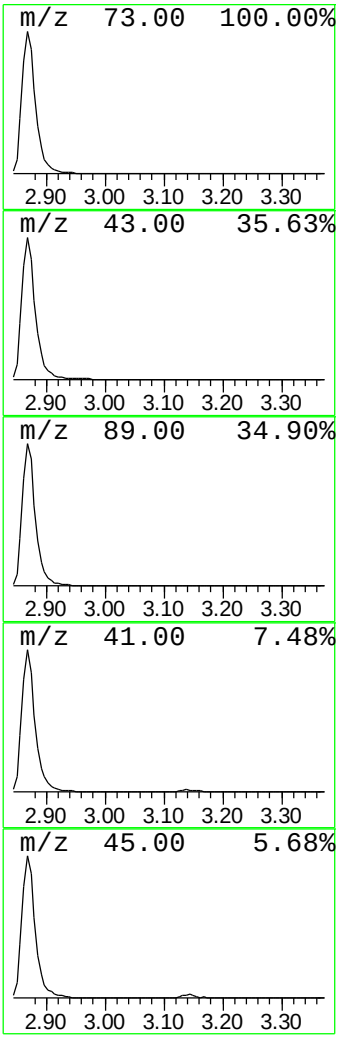
****

Peak Number 1 unknown2.87 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	282.51 ng	2121340	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	28
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

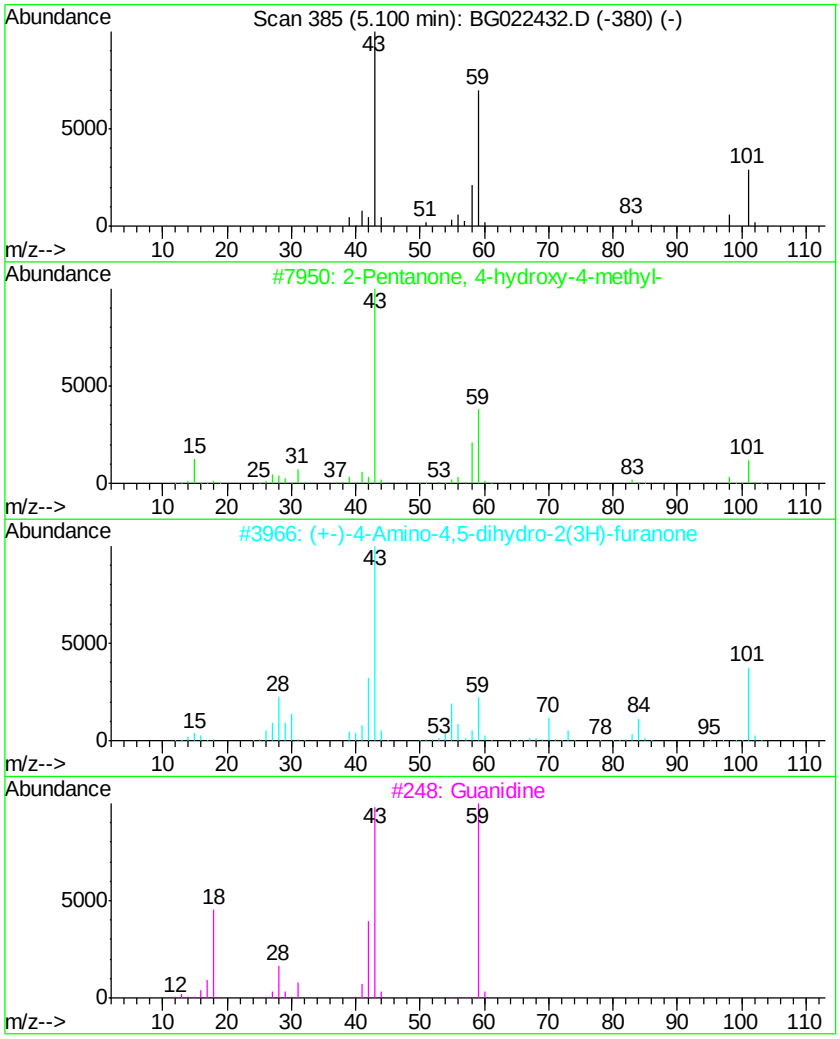
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

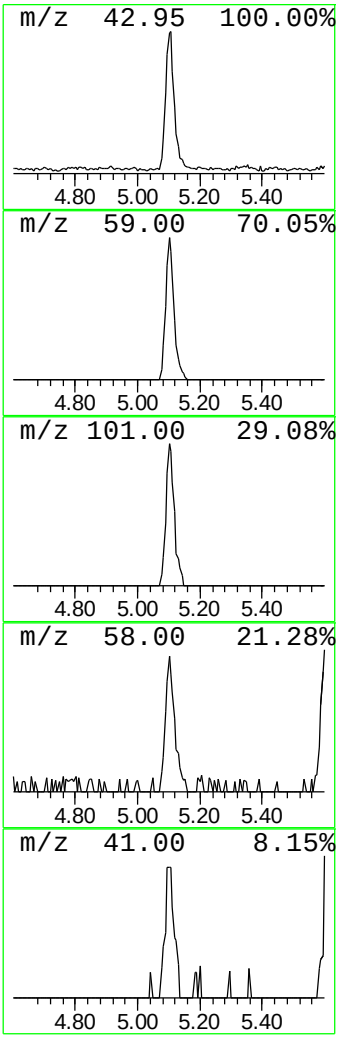
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	7.01 ng	52606	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Guanidine	59	CH5N3	000113-00-8	38
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	12
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

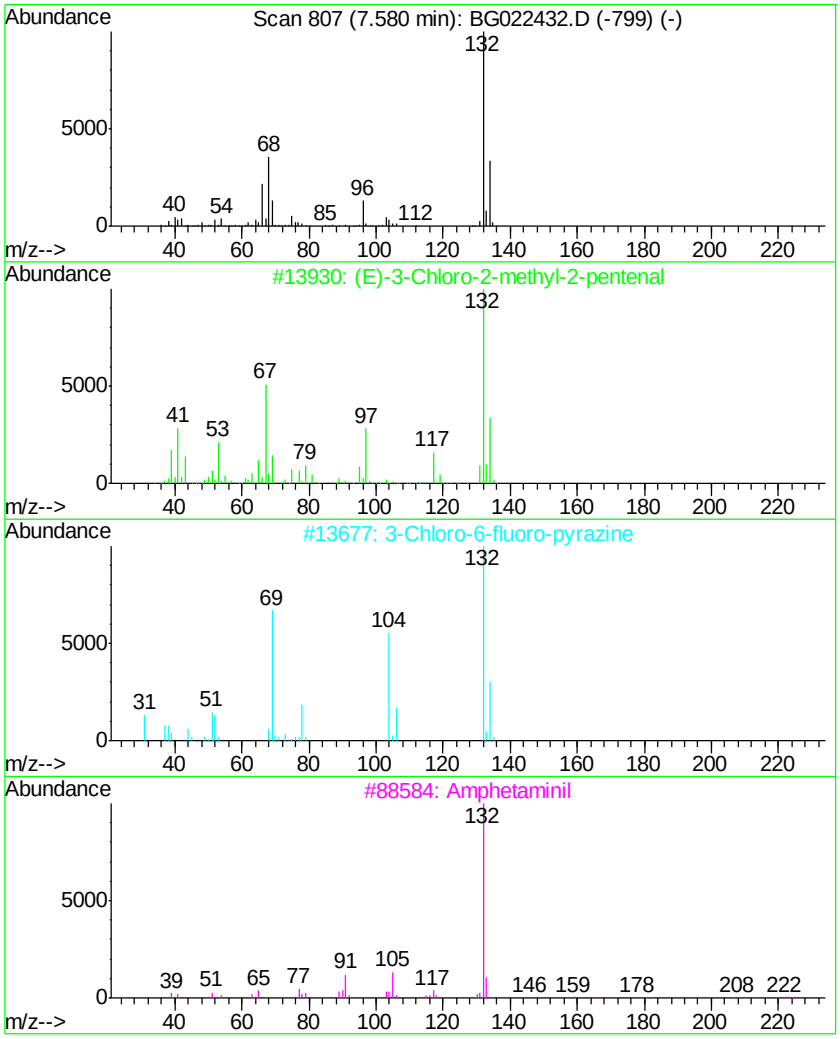
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

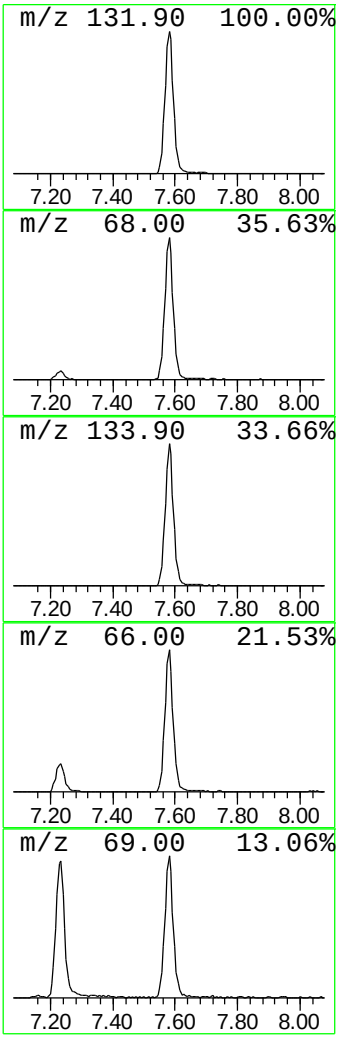
****

Peak Number 3 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	121.18 ng	909909	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

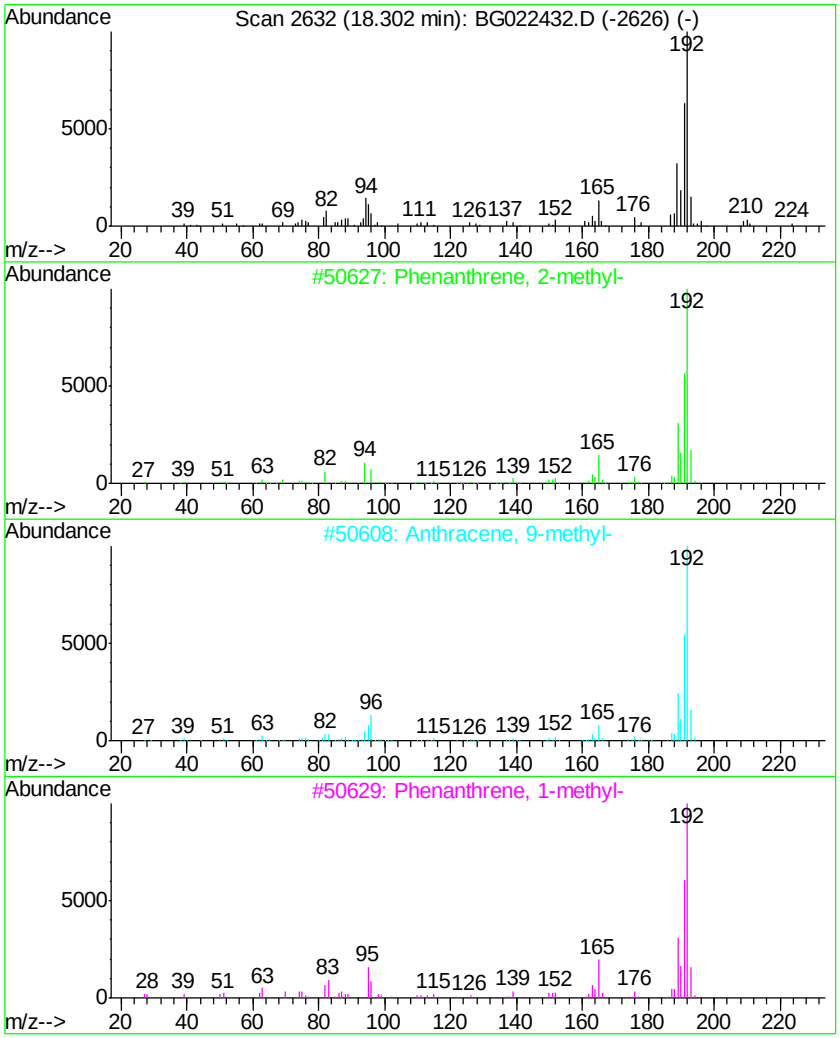
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

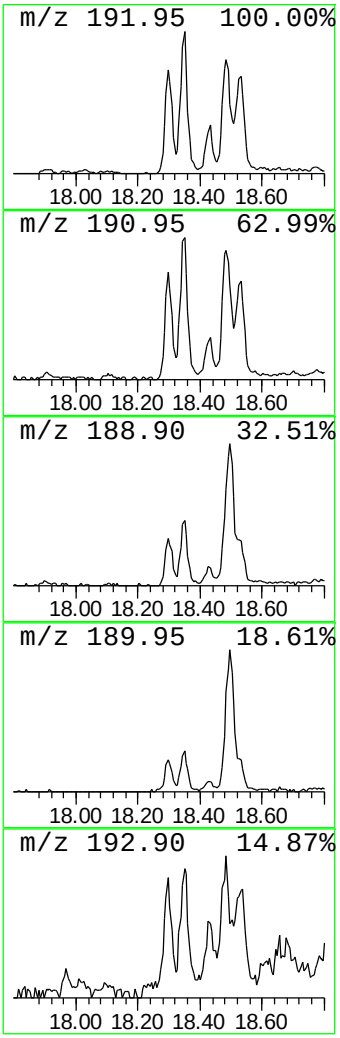
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.39 ng	78552	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

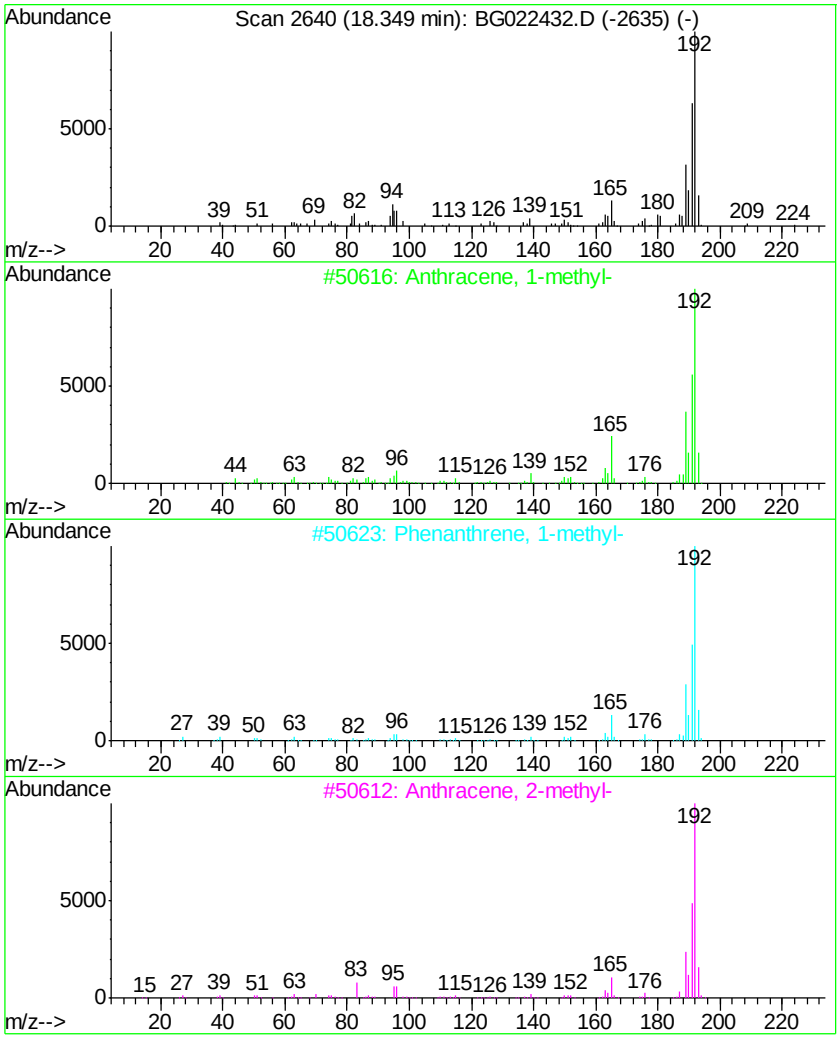
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

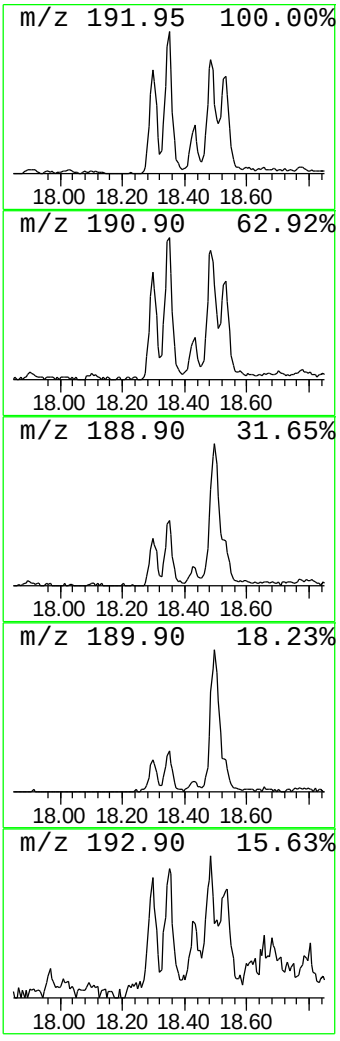
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	4.76 ng	110488	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

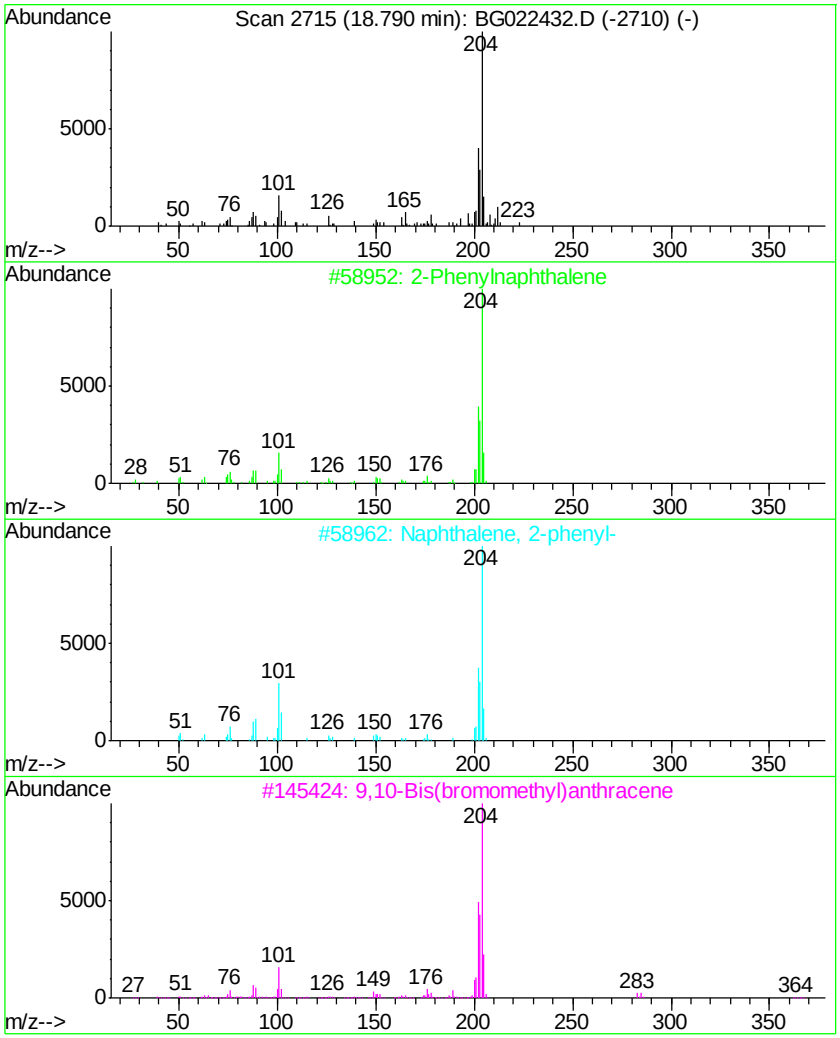
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

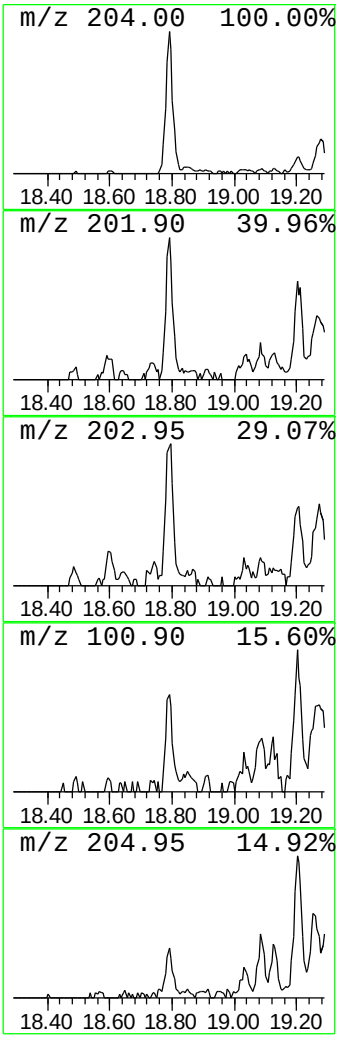
****

Peak Number 8 2-Phenylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.88 ng	66721	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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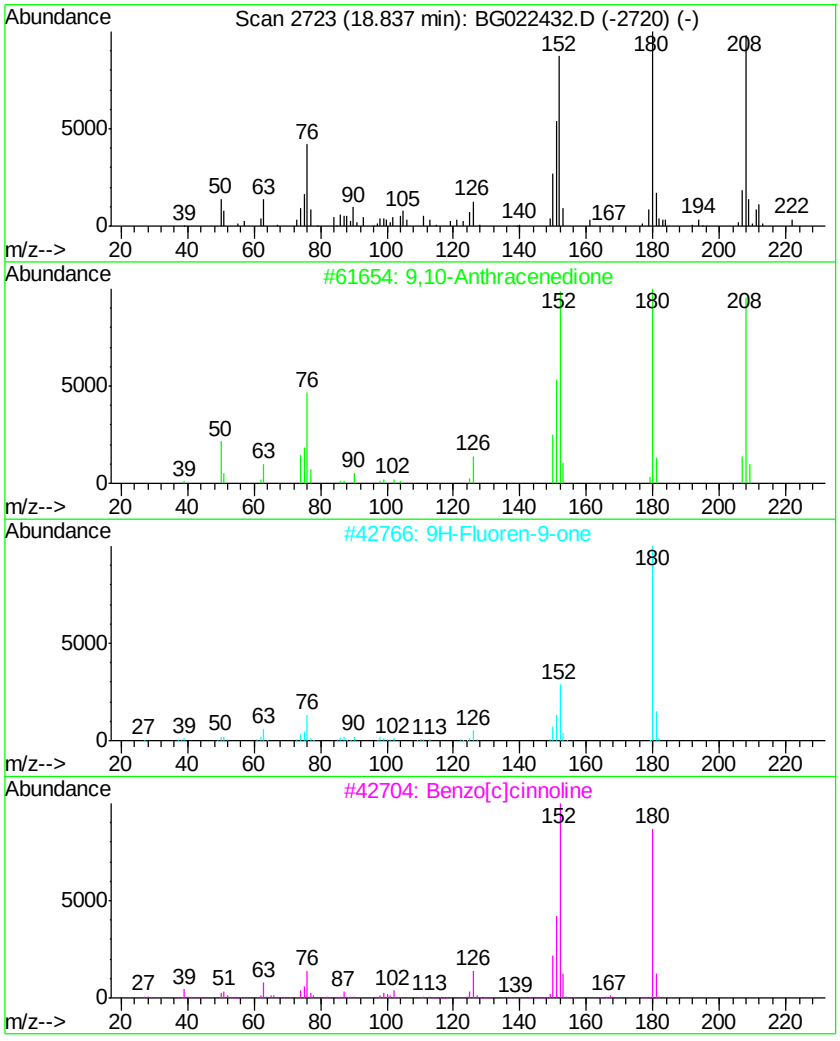
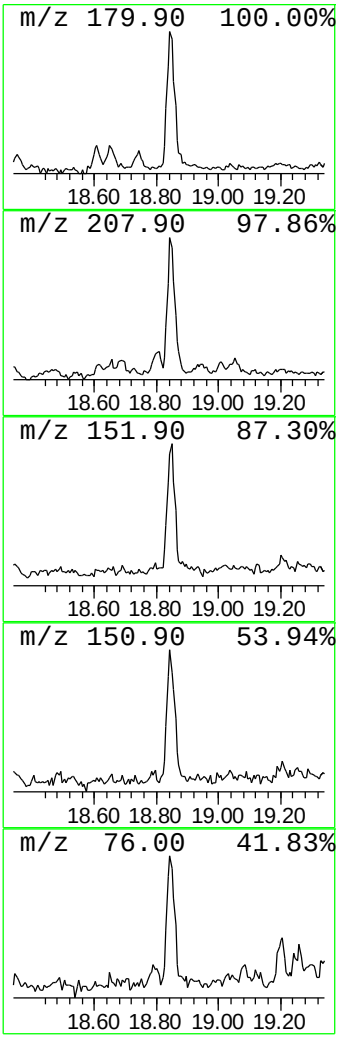
Peak Number 9 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	3.87 ng	89637	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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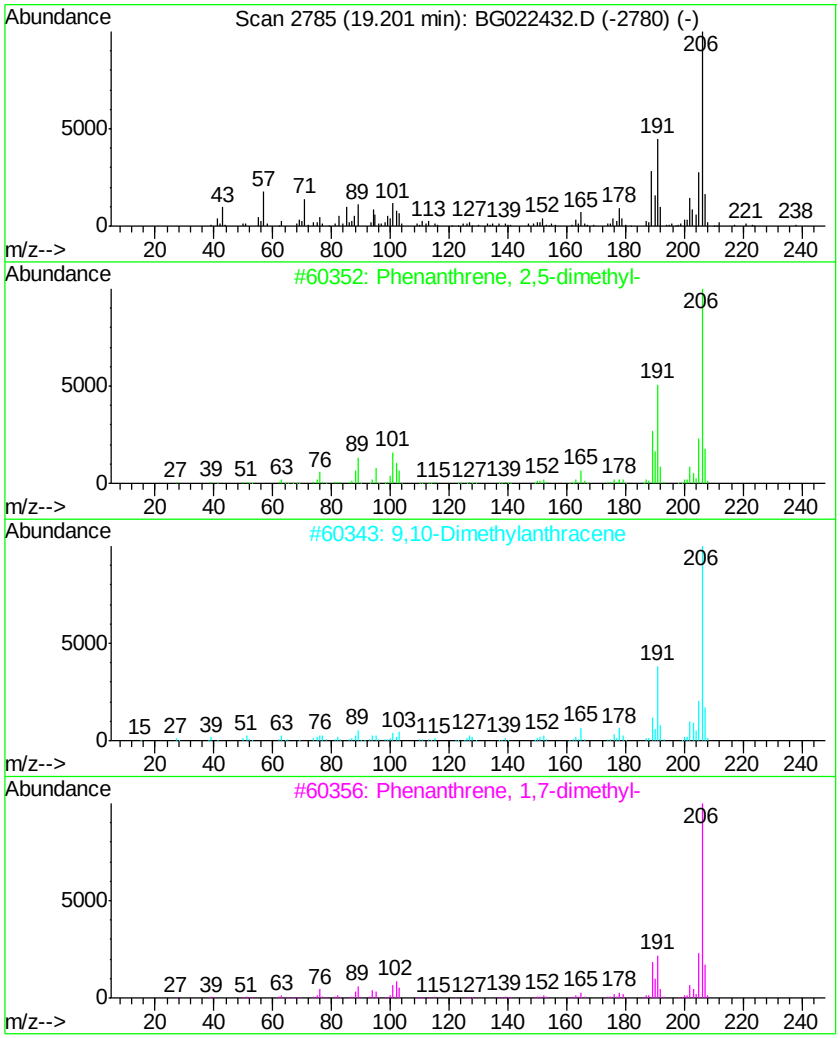
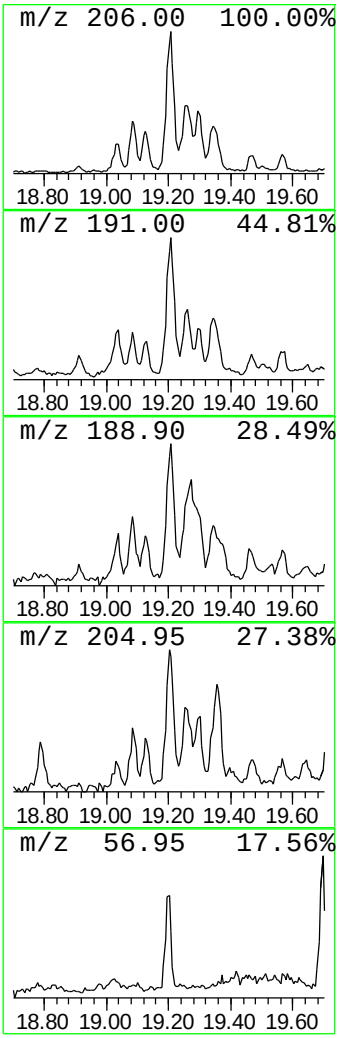
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	7.69 ng	178271	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92





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Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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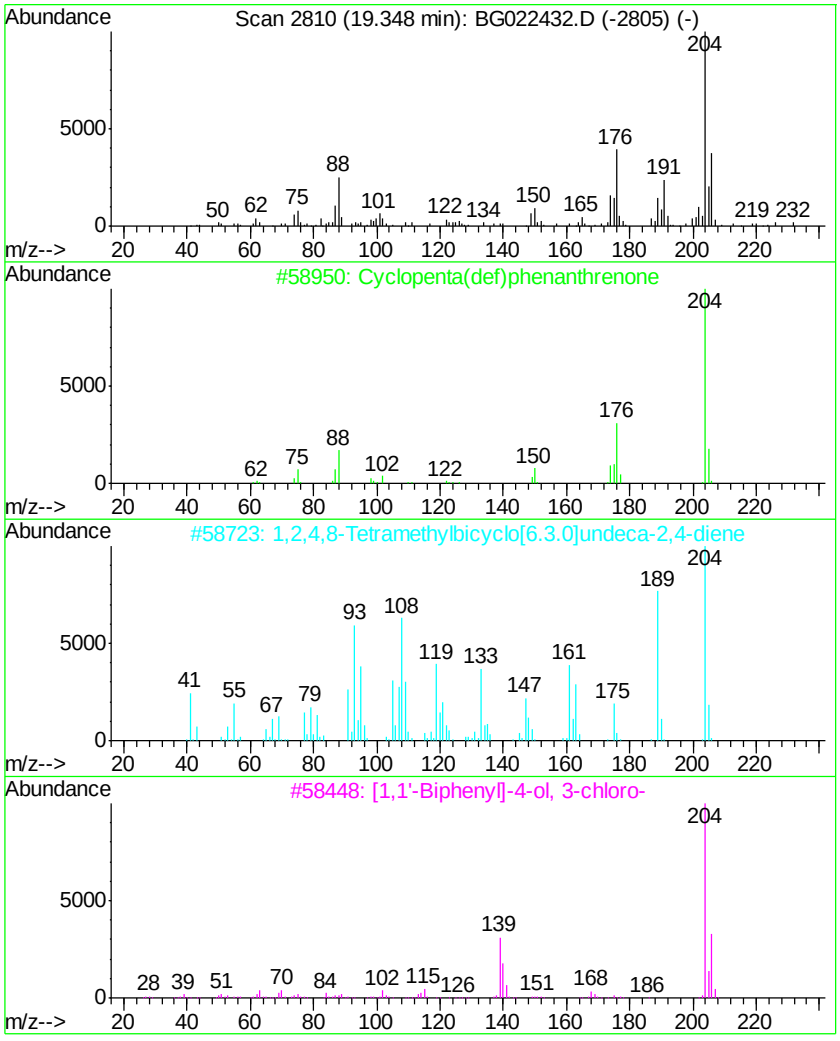
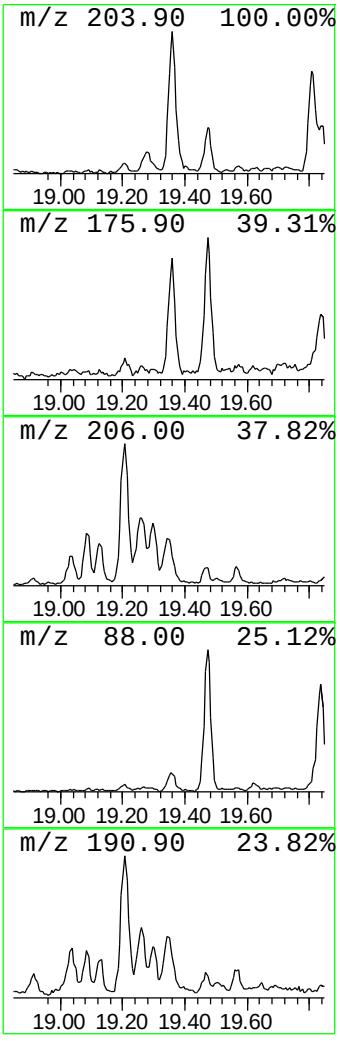
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	6.23 ng	144397	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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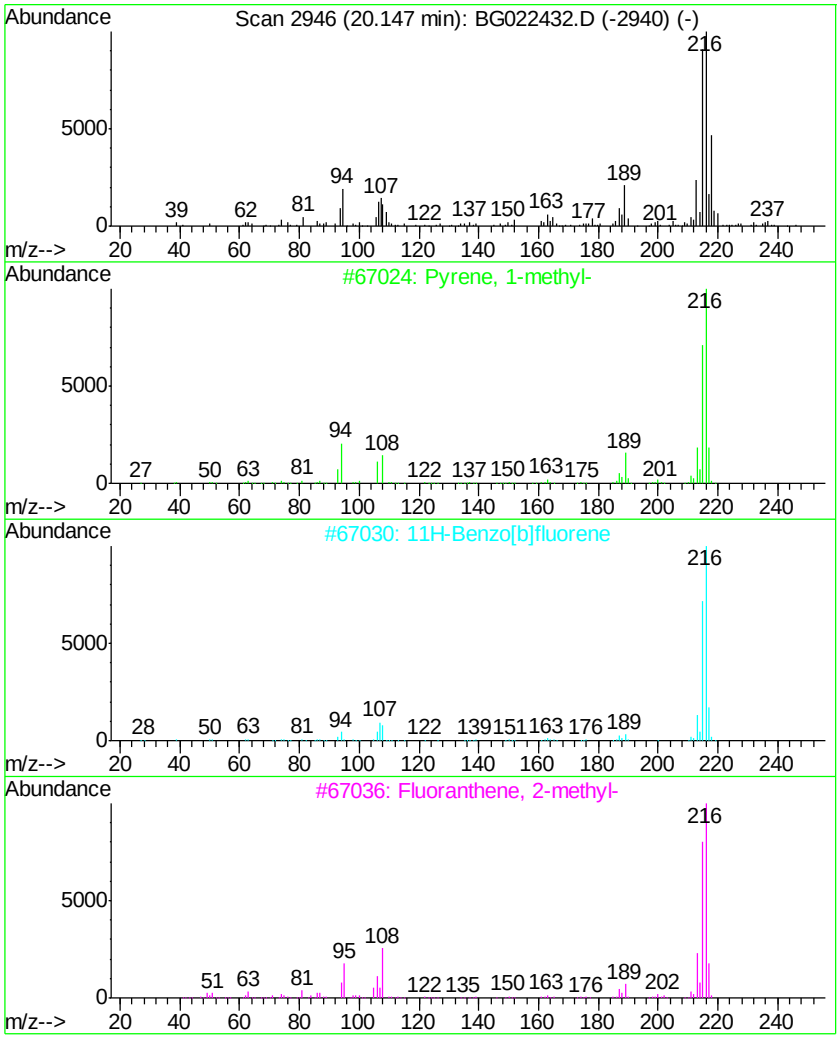
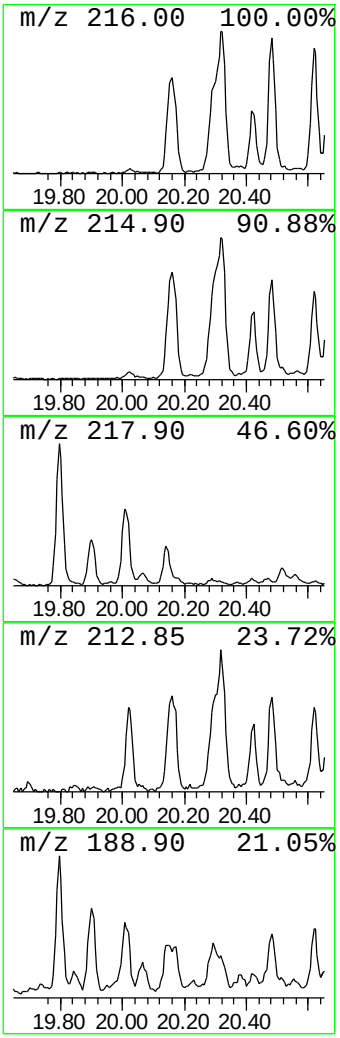
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	3.69 ng	281934	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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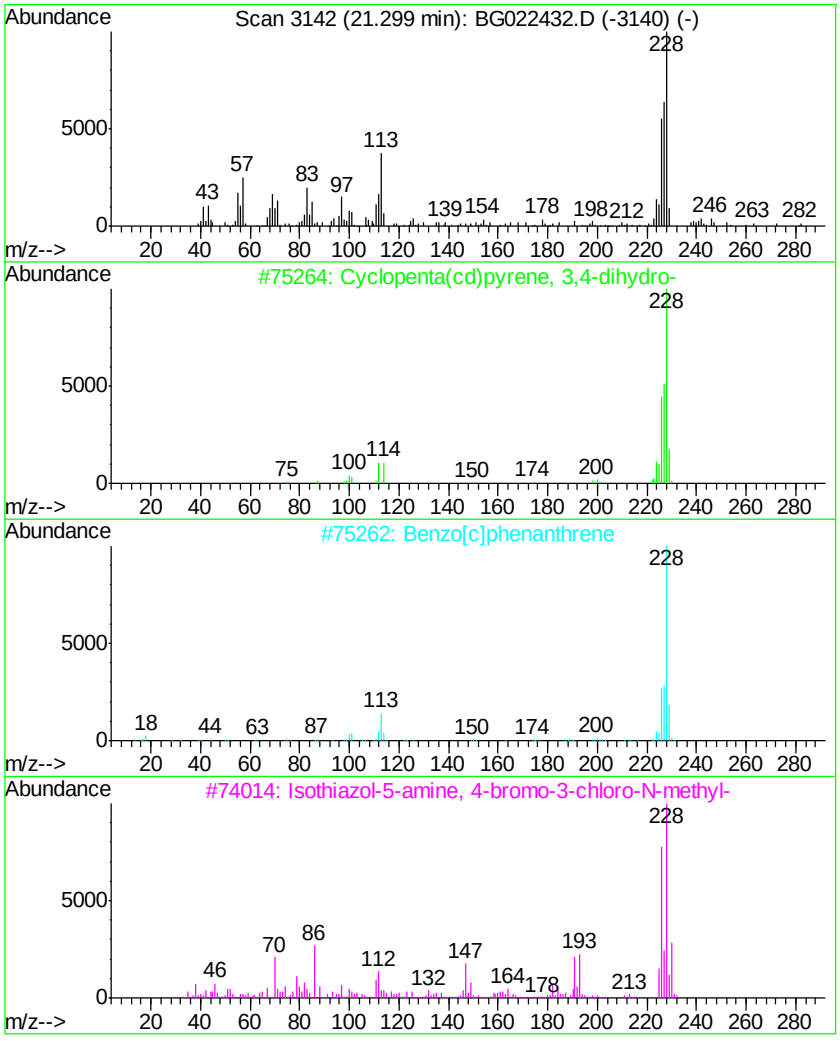
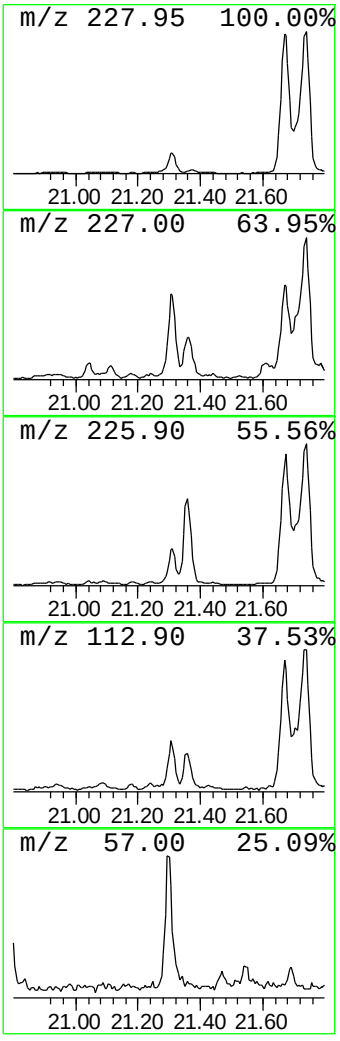
Peak Number 14 unknown21.30 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	3.09 ng	236545	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	40
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
4	Triphenylene	228	C18H12	000217-59-4	37
5	Naphthacene	228	C18H12	000092-24-0	35





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Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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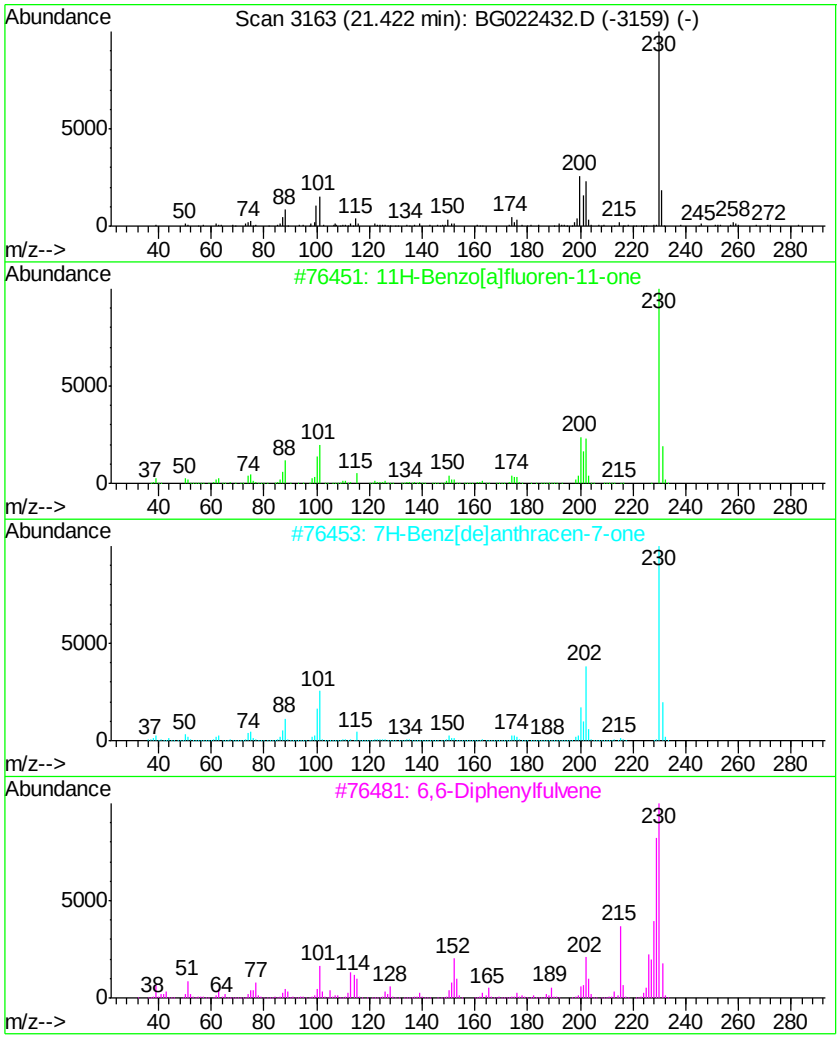
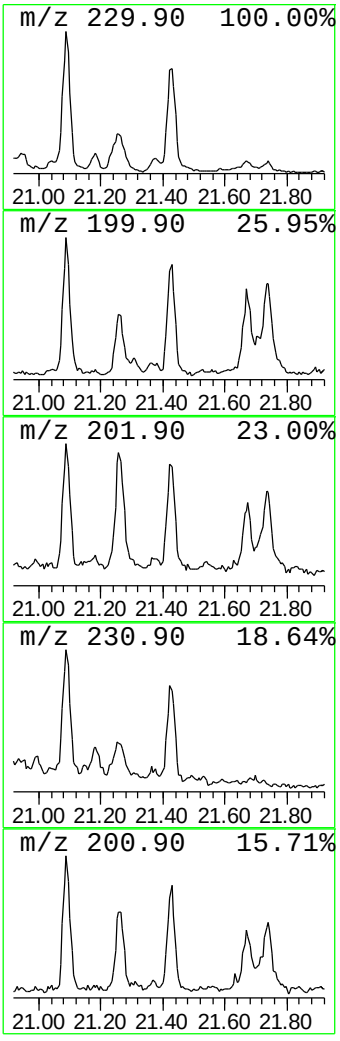
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	3.47 ng	265187	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6,6-Diphenylfulvene	230	C18H14	002175-90-8	59
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





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Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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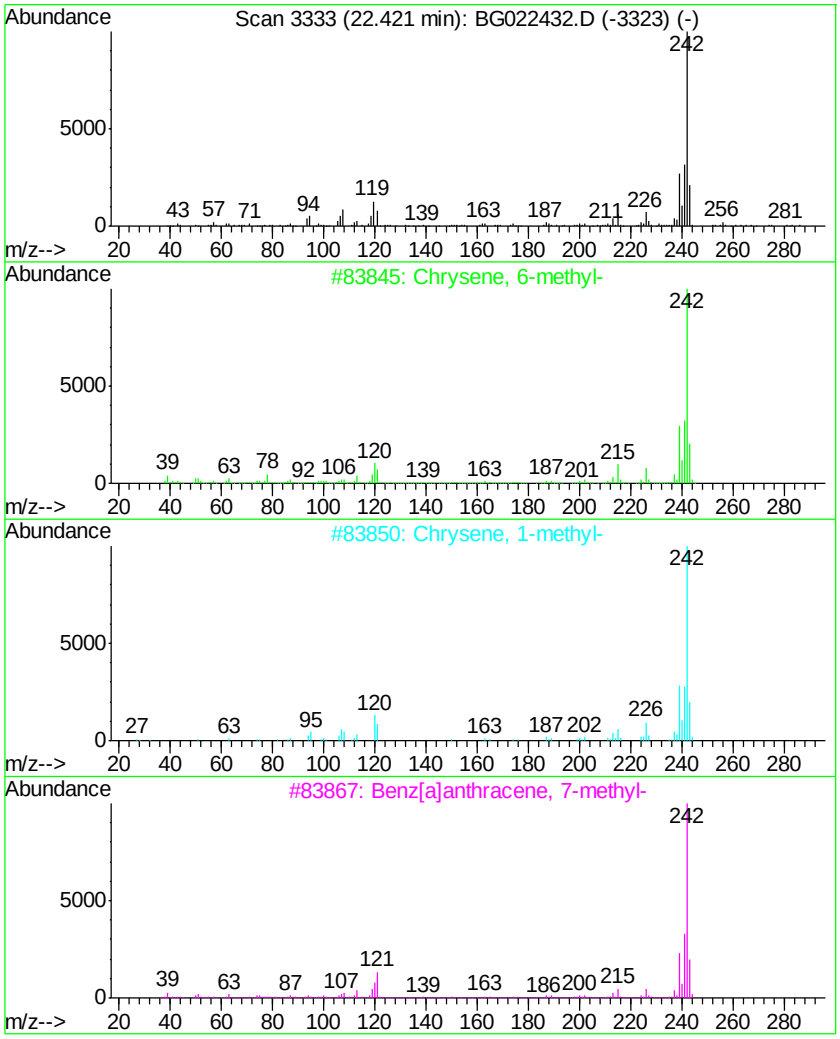
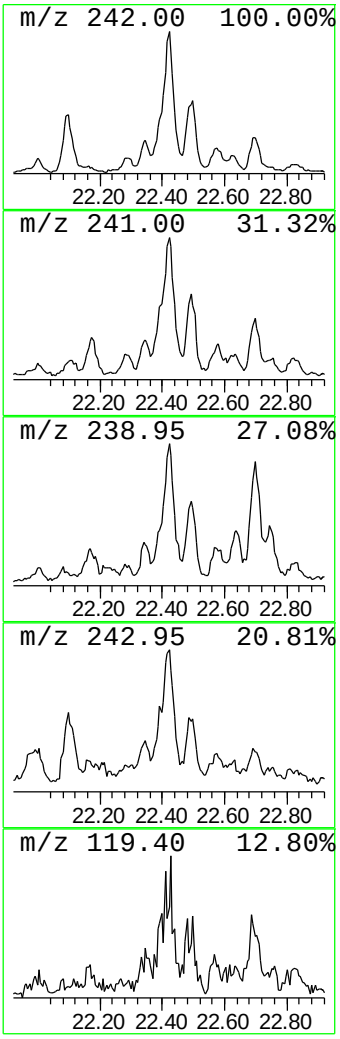
Peak Number 16 Chrysene, 6-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.42	3.78 ng	289054	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	003697-24-3	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
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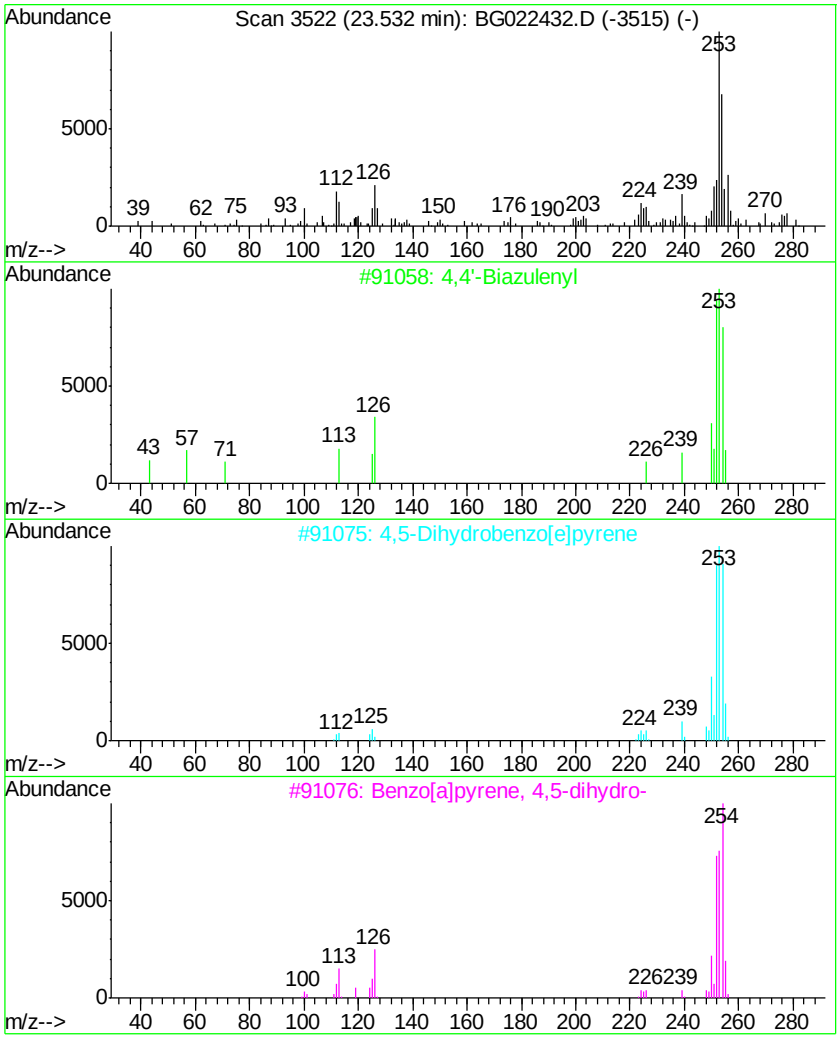
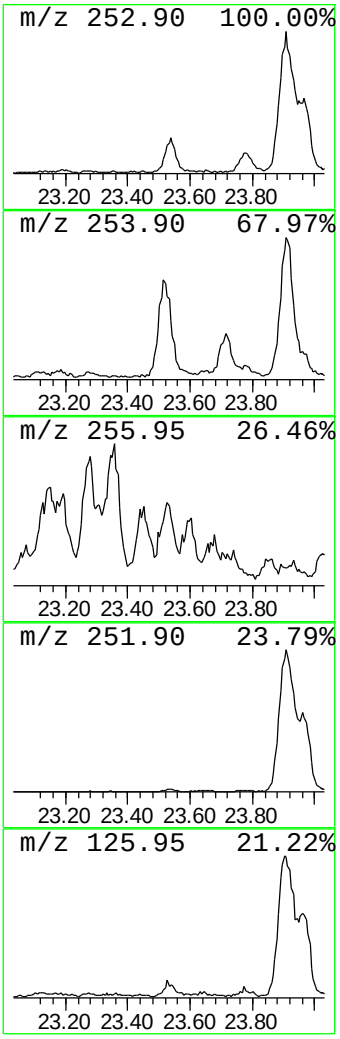
Peak Number 17 4,4'-Biazulenyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	7.23 ng	121990	Perylene-d12	24.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Biazulenyl	254	C20H14	094053-54-0	68
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	46
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	45
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	43





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Sample : H3471-04
Misc :
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Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

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

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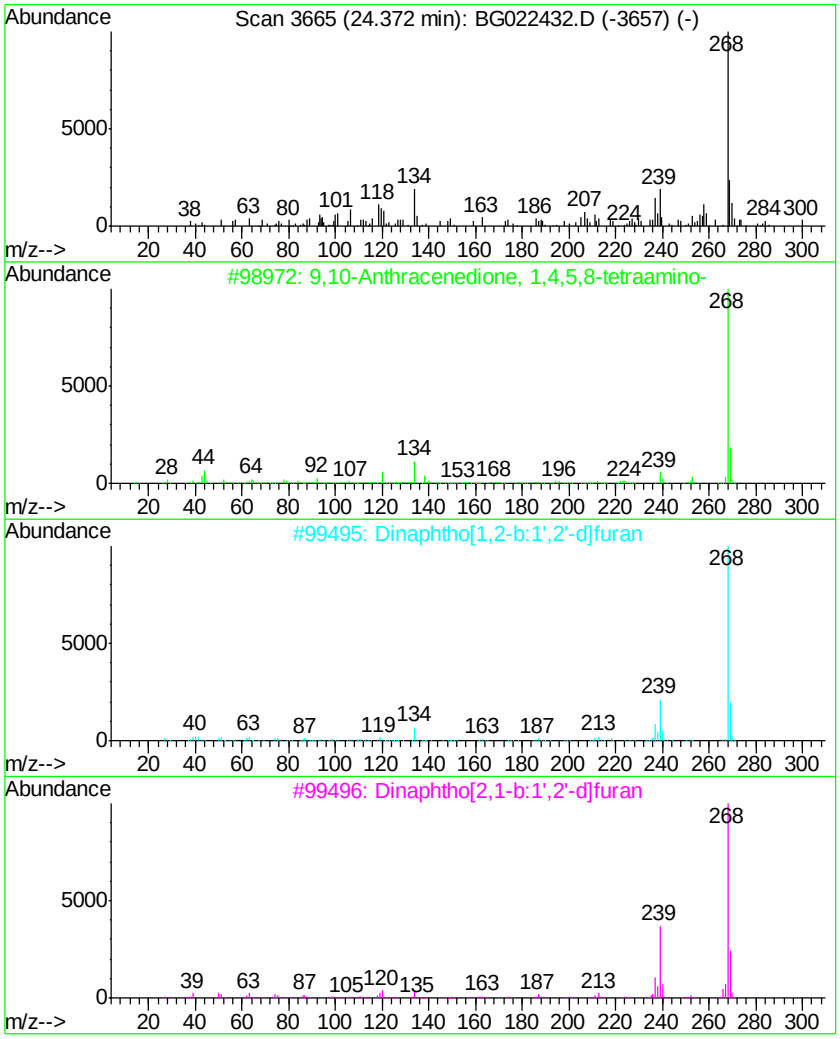
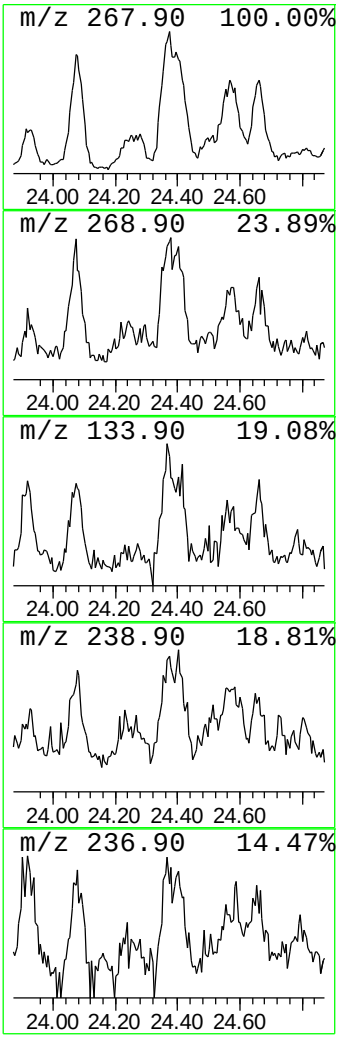
Peak Number 19 9,10-Anthracenedione, 1,4,5... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	7.79 ng	131361	Perylene-d12	24.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	52
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	50
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	49
4	trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	49
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022432.D
Acq On : 18 Jun 2016 20:38
Operator : UM/SJ
Sample : H3471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1020-(0-4)

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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
unknown2.87	2.87	282.5	ng	2121340	1	8.04	150176	20.0
2-Pentanone, 4-hy...	5.10	7.0	ng	52606	1	8.04	150176	20.0
unknown7.58	7.58	121.2	ng	909909	1	8.04	150176	20.0
Phenanthrene, 2-m...	18.30	3.4	ng	78552	4	17.43	463815	20.0
Anthracene, 1-met...	18.35	4.8	ng	110488	4	17.43	463815	20.0
2-Phenylnaphthalene	18.79	2.9	ng	66721	4	17.43	463815	20.0
9,10-Anthracenedione	18.84	3.9	ng	89637	4	17.43	463815	20.0
Phenanthrene, 2,5...	19.20	7.7	ng	178271	4	17.43	463815	20.0
Cyclopenta(def)ph...	19.35	6.2	ng	144397	4	17.43	463815	20.0
Pyrene, 1-methyl-	20.15	3.7	ng	281934	5	21.69	1530090	20.0
unknown21.30	21.30	3.1	ng	236545	5	21.69	1530090	20.0
11H-Benzo[a]fluor...	21.42	3.5	ng	265187	5	21.69	1530090	20.0
Chrysene, 6-methyl-	22.42	3.8	ng	289054	5	21.69	1530090	20.0
4,4'-Biazulenyl	23.53	7.2	ng	121990	6	24.94	337236	20.0
9,10-Anthracenedi...	24.37	7.8	ng	131361	6	24.94	337236	20.0