LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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	3.141	5	9	27	rVB2	227864	610610	15.13%	1.197%
2	5.063	330	336	345	rBV	143640	234782	5.82%	0.460%
3	5.533	409	416	423	rBV	581227	1005615	24.91%	1.972%
4	7.113	678	685	702	rBV	654376	1222119	30.28%	2.396%
5	7.483	740	748	761	rBV	689216	1234190	30.58%	2.420%
6	7.953	821	828	838	rBV	463170	825410	20.45%	1.618%
7	8.277	874	883	891	rBV	556511	1011312	25.06%	1.983%
8	9.105	1010	1024	1034	rBV	398975	767349	19.01%	1.505%
9	10.750	1296	1304	1310	rBV	642348	1179604	29.23%	2.313%
10	10.803	1310	1313	1320	rVB2	31871	56656	1.40%	0.111%
11	12.190	1541	1549	1557	rBV	26965	48194	1.19%	0.094%
12	12.413	1580	1587	1594	rBV	39768	71405	1.77%	0.140%
13	12.630	1618	1624	1630	rBV	28810	48136	1.19%	0.094%
14	13.206	1715	1722	1734	rBV	1135430	1781995	44.15%	3.494%
15	13.423	1754	1759	1764	rBV2	43387	70241	1.74%	0.138%
16	13.747	1808	1814	1822	rVB5	16813	43168	1.07%	0.085%
17	13.905	1836	1841	1846	rBV3	25380	41906	1.04%	0.082%
18	14.035	1857	1863	1867	rBV	56737	91407	2.26%	0.179%
19	14.305	1902	1909	1918	rBV2	34808	67453	1.67%	0.132%
20	14.499	1937	1942	1947	rVB	43391	57666	1.43%	0.113%
21	14.581	1947	1956	1963	rBV	951995	1541701	38.20%	3.023%
22	14.646	1963	1967	1974	rVB3	34475	69117	1.71%	0.136%
23	14.980	2018	2024	2031	rVV3	41354	75064	1.86%	0.147%
24	15.392	2083	2094	2100	rBV7	20841	63710	1.58%	0.125%
25	15.445	2100	2103	2109	rVB	41873	53180	1.32%	0.104%
26	15.627	2128	2134	2138	rBV3	39886	65219	1.62%	0.128%
27	15.850	2166	2172	2176	rBV3	23338	44160	1.09%	0.087%
28	15.926	2181	2185	2194	rVB	27287	52331	1.30%	0.103%
29	16.067	2203	2209	2218	rBV	717688	1123406	27.83%	2.203%
30	16.302	2244	2249	2252	rBV3	61180	94969	2.35%	0.186%
31	16.332	2252	2254	2259	rVB2	46250	55361	1.37%	0.109%
32	16.866	2337	2345	2347	rBV6	25375	48708	1.21%	0.095%
33	16.978	2359	2364	2373	rVB2	50253	87529	2.17%	0.172%
34	17.096	2381	2384	2389	rVB2	41613	59487	1.47%	0.117%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.143	2389	2392	2403	rVB2	49572	96905	2.40%	0.190%
36	17.325	2417	2423	2427	rBV	1024880	1640953	40.66%	3.217%
37	17.366	2427	2430	2437	rVV	764475	1080267	26.76%	2.118%
38	17.454	2441	2445	2451	rVV	136189	224057	5.55%	0.439%
39	17.513	2451	2455	2462	rVB6	22294	45456	1.13%	0.089%
40	17.724	2483	2491	2496	rBV2	82213	166995	4.14%	0.327%
41	17.836	2507	2510	2516	rVB2	50818	73337	1.82%	0.144%
42	17.906	2518	2522	2528	rVB2	37045	54452	1.35%	0.107%
43	18.200	2567	2572	2576	rVV	132875	207712	5.15%	0.407%
44	18.247	2576	2580	2586	rVB	192085	293507	7.27%	0.575%
45	18.329	2591	2594	2598	rVV2	61741	88516	2.19%	0.174%
46	18.394	2599	2605	2609	rVV2	222855	442019	10.95%	0.867%
47	18.429	2609	2611	2617	rVB2	110042	146272	3.62%	0.287%
48	18.529	2624	2628	2635	rVB2	46689	86806	2.15%	0.170%
49	18.700	2652	2657	2660	rBV	118752	183703	4.55%	0.360%
50	18.735	2660	2663	2674	rVB3	119639	188697	4.68%	0.370%
51	18.946	2696	2699	2703	rVB	49601	55956	1.39%	0.110%
52	18.993	2704	2707	2711	rVV	53950	72514	1.80%	0.142%
53	19.035	2711	2714	2718	rVB2	53714	71375	1.77%	0.140%
54	19.117	2723	2728	2732	rBV2	136965	227011	5.62%	0.445%
55	19.158	2732	2735	2741	rBV4	60098	120817	2.99%	0.237%
56	19.252	2746	2751	2759	rVB	138819	243221	6.03%	0.477%
57	19.375	2766	2772	2778	rVB	2121050	3053286	75.65%	5.986%
58	19.440	2780	2783	2785	rBV	38955	47338	1.17%	0.093%
59	19.616	2810	2813	2817	rBV	62280	74037	1.83%	0.145%
60	19.734	2824	2833	2841	rBV	2001254	3539227	87.69%	6.939%
61	19.810	2842	2846	2853	rVB2	115868	198058	4.91%	0.388%
62	19.939	2860	2868	2872	rBV	1625076	2268262	56.20%	4.447%
63	20.057	2883	2888	2894	rBV4	162676	407738	10.10%	0.799%
64	20.198	2907	2912	2913	rBV2	130738	180765	4.48%	0.354%
65	20.227	2914	2917	2921	rVB	246533	338130	8.38%	0.663%
66	20.327	2931	2934	2938	rVB	116499	147985	3.67%	0.290%
67	20.386	2939	2944	2948	rBV2	221724	339197	8.40%	0.665%
68	20.527	2964	2968	2971	rBV	150512	198107	4.91%	0.388%
69	20.568	2972	2975	2979	rVB	132360	181804	4.50%	0.356%
70	20.979	3041	3045	3052	rVB	279702	444763	11.02%	0.872%
71	21.161	3070	3076	3080	rBV2	186742	390069	9.66%	0.765%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.203	3080	3083	3086	rVV	174229	240468	5.96%	0.471%
73	21.250	3086	3091	3096	rVV3	412351	772046	19.13%	1.514%
74	21.302	3097	3100	3109	rVB2	243513	421387	10.44%	0.826%
75	21.479	3127	3130	3134	rBV	130207	161282	4.00%	0.316%
76	21.561	3138	3144	3150	rVV4	1561936	4036231	100.00%	7.914%
77	21.620	3150	3154	3167	rVB	1180666	2063533	51.13%	4.046%
78	21.773	3175	3180	3186	rBV2	186190	388529	9.63%	0.762%
79	21.966	3209	3213	3220	rBV2	157142	301174	7.46%	0.590%
80	23.711	3502	3510	3518	rBV	1077765	3474935	86.09%	6.813%
81	24.405	3621	3628	3642	rVB	664440	1921424	47.60%	3.767%
82	24.546	3644	3652	3664	rVV	785418	2174178	53.87%	4.263%
83	24.698	3670	3678	3685	rBV	562144	1545204	38.28%	3.030%
84	28.230	4271	4279	4299	rVB2	416137	1980562	49.07%	3.883%

Sum of corrected areas: 51003427

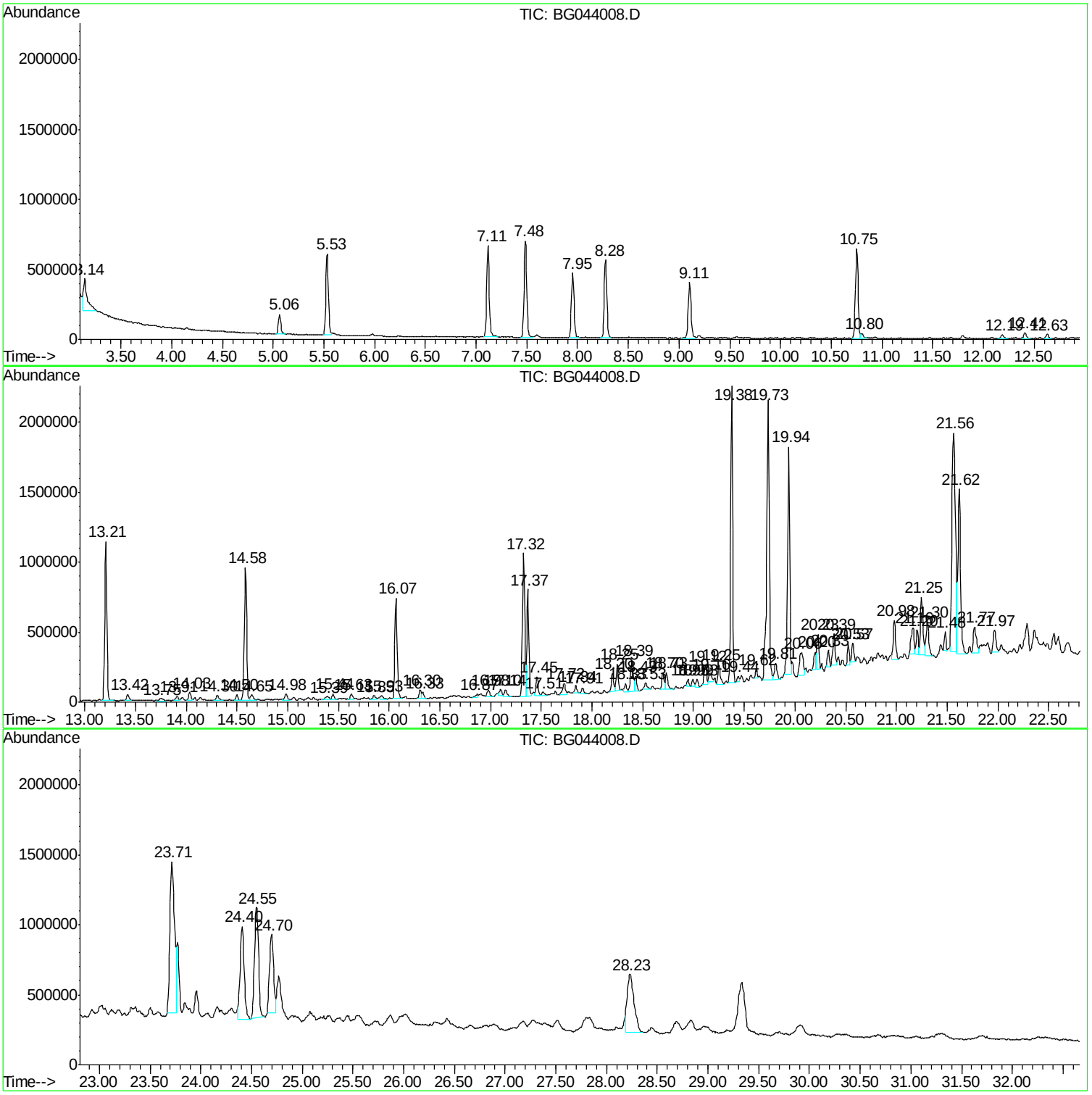
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

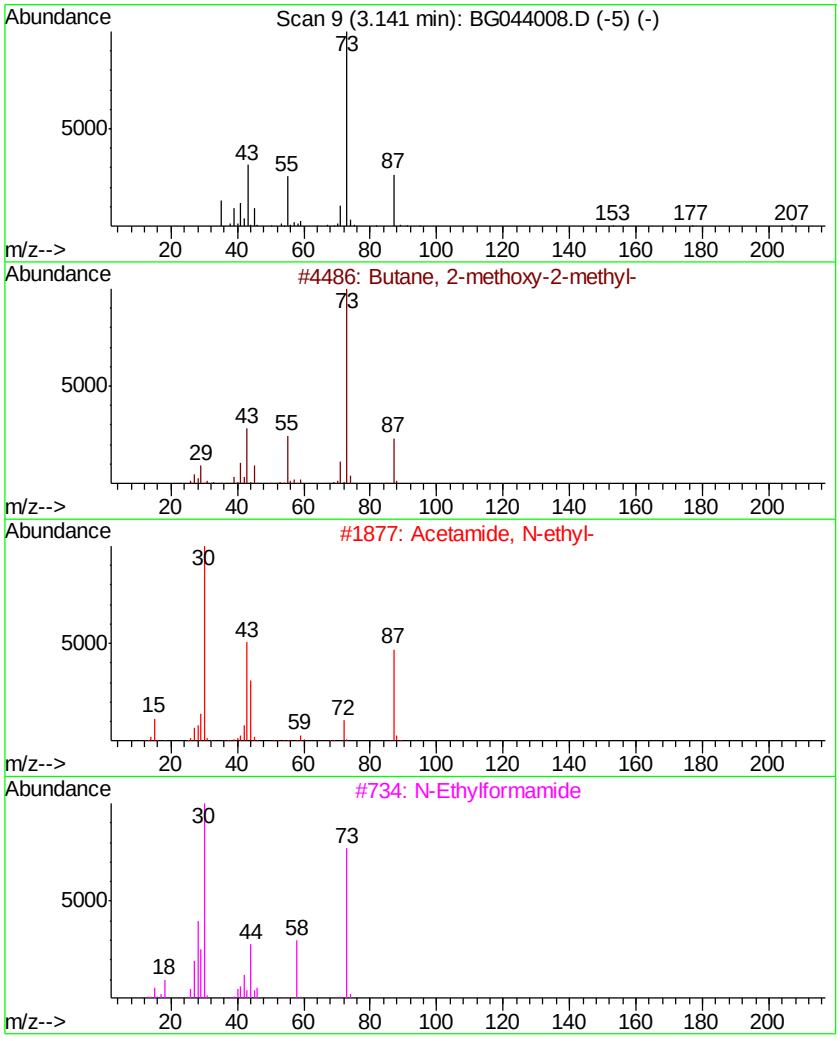
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

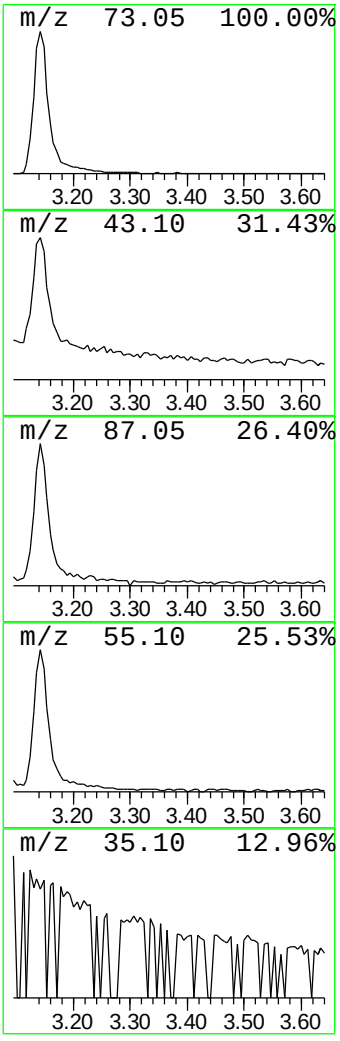
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	14.80 ng	610610	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	1,4-Butanediamine	88	C4H12N2	000110-60-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

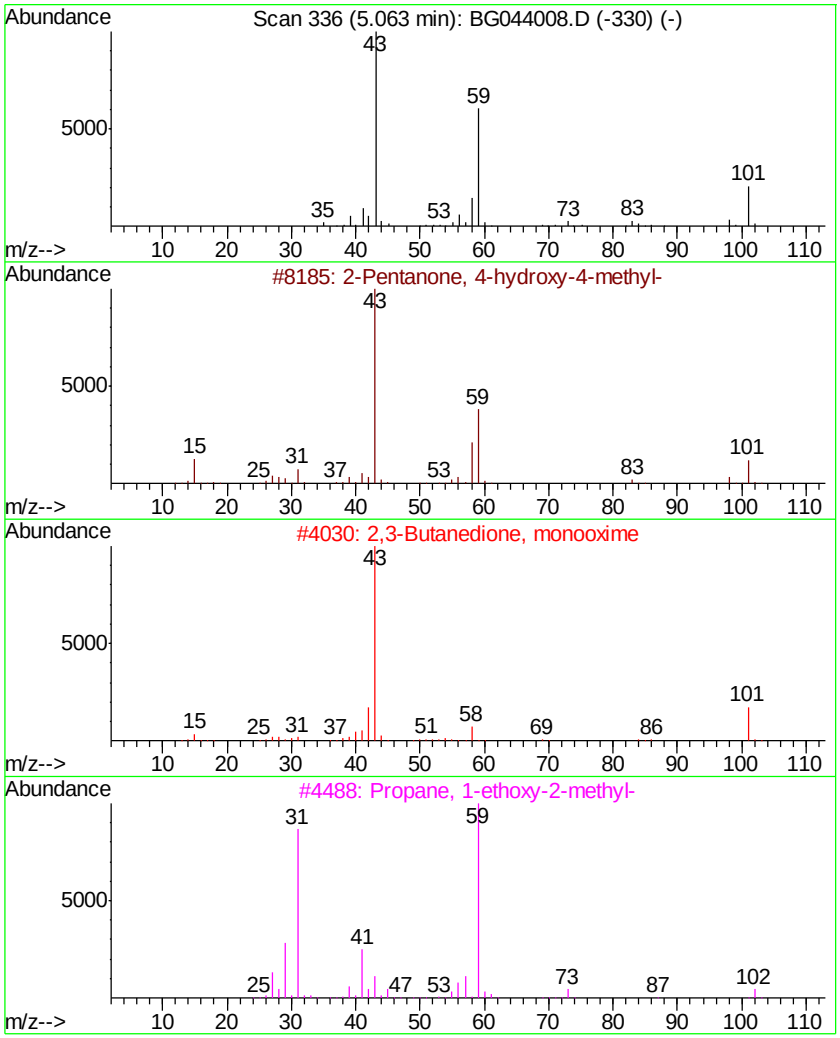
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

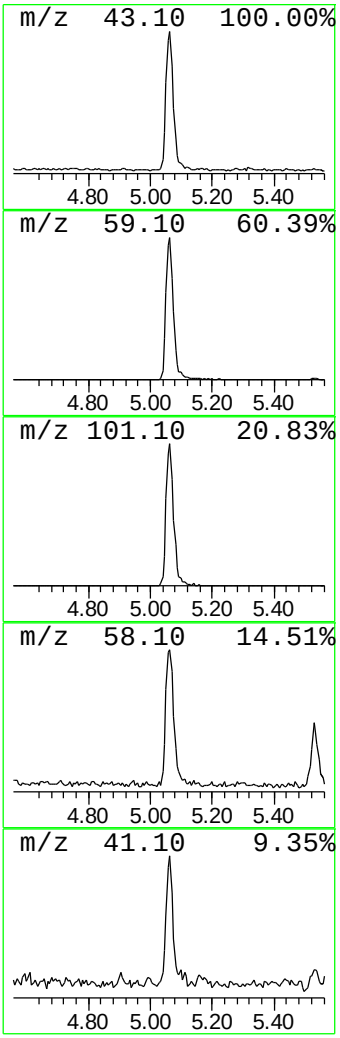
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	5.69 ng	234782	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	16
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

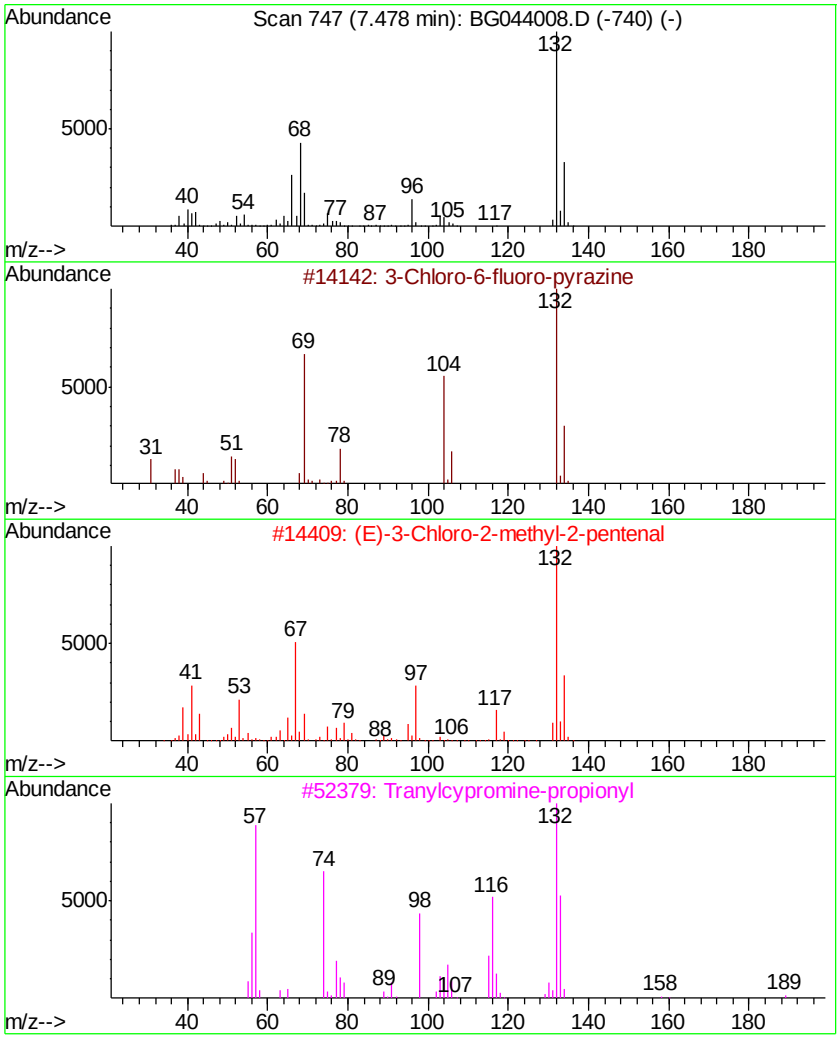
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

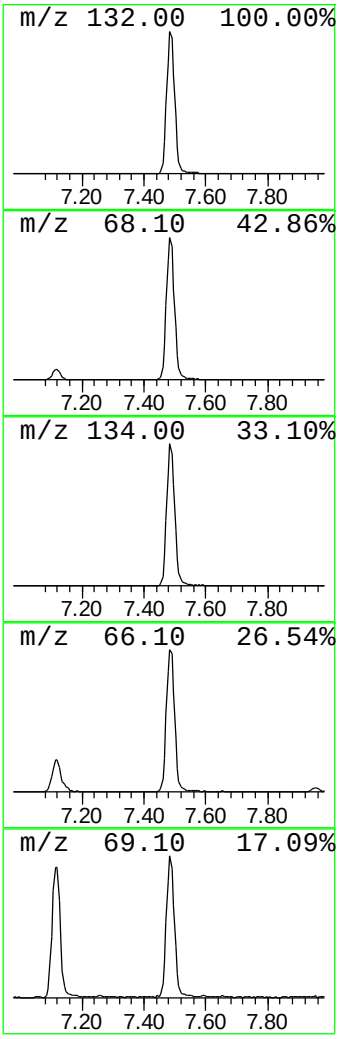
****

Peak Number 3 unknown7.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	29.90 ng	1234190	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

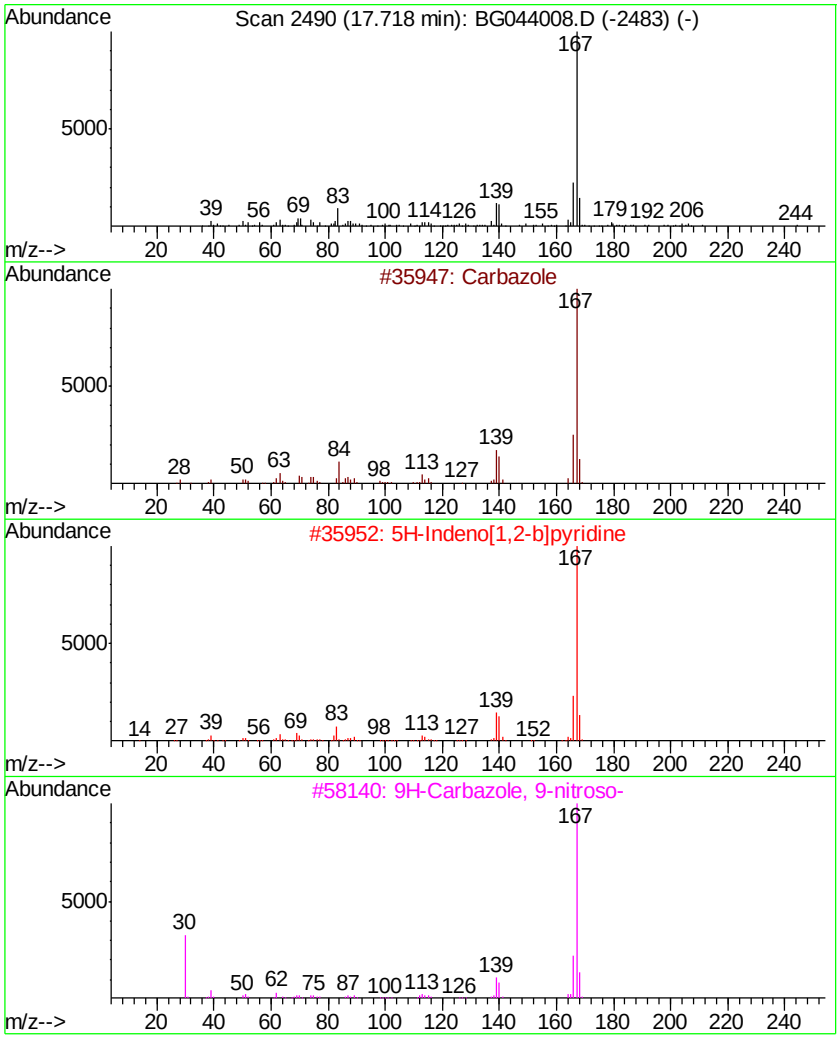
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

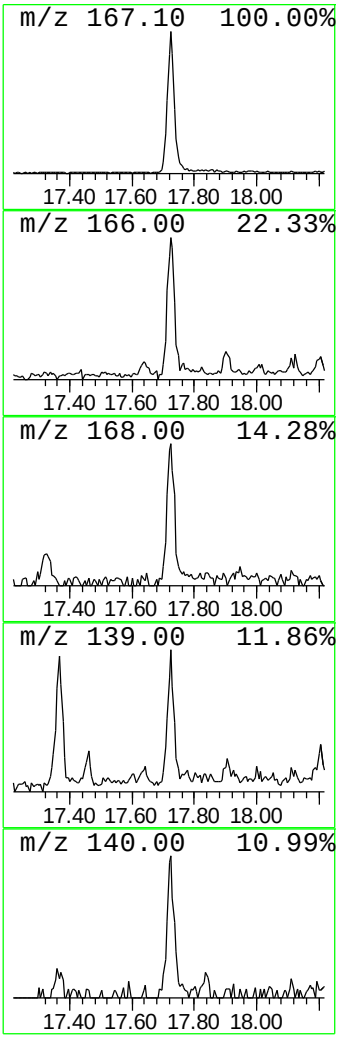
****

Peak Number 5 5H-Indeno[1,2-b]pyridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	2.04 ng	166995	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	91
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	83
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

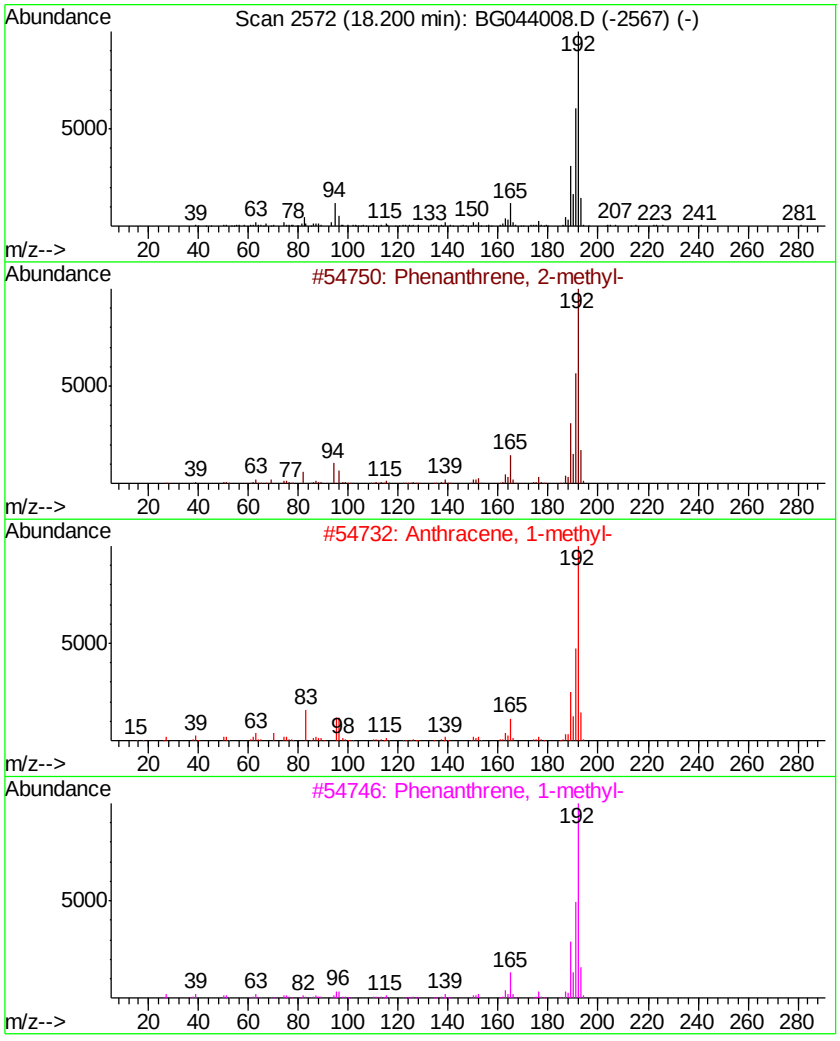
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

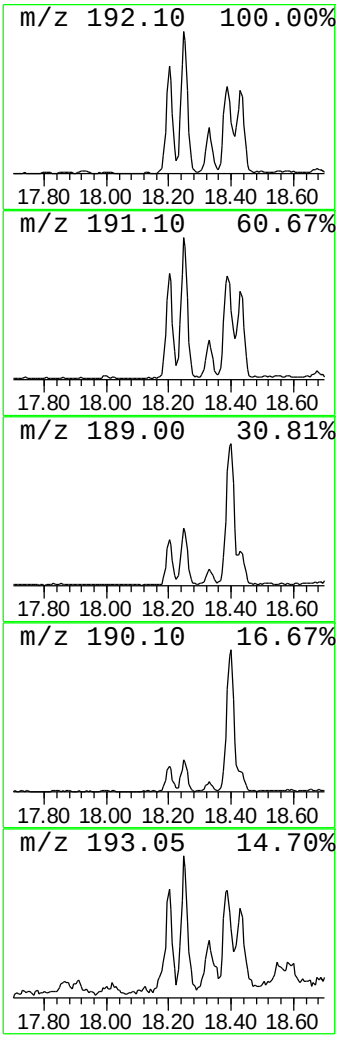
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.53 ng	207712	Phenanthrene-d10	17.32

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	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

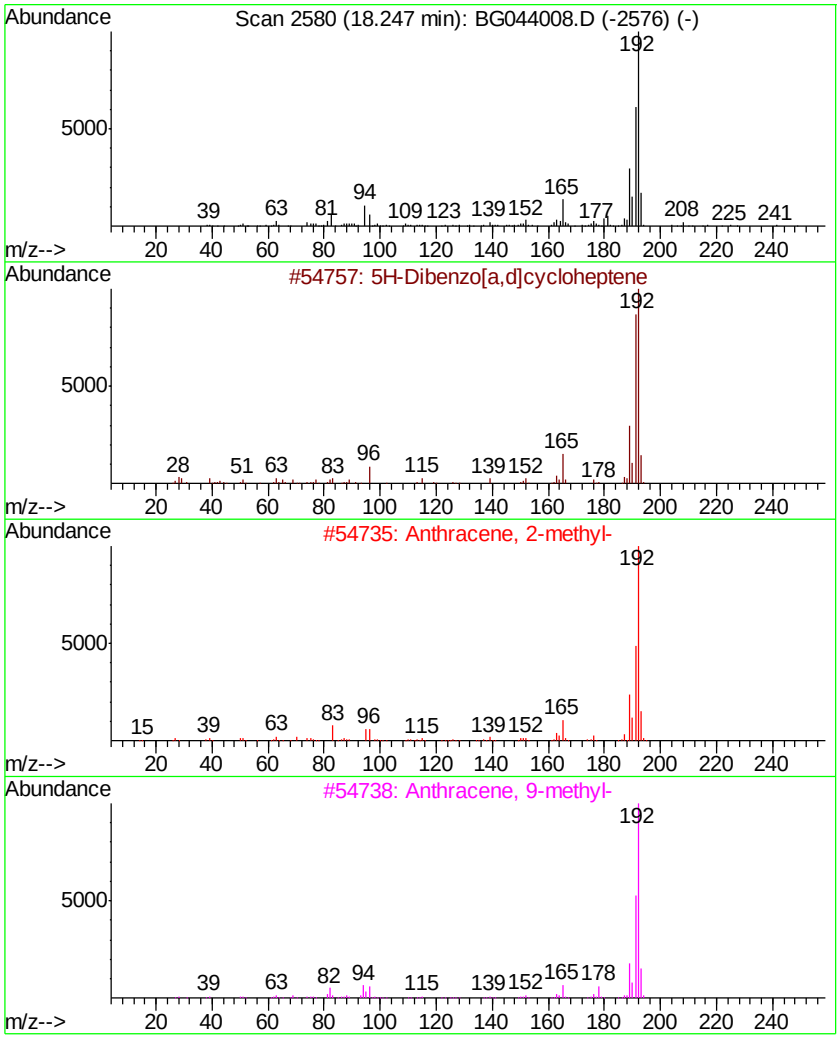
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

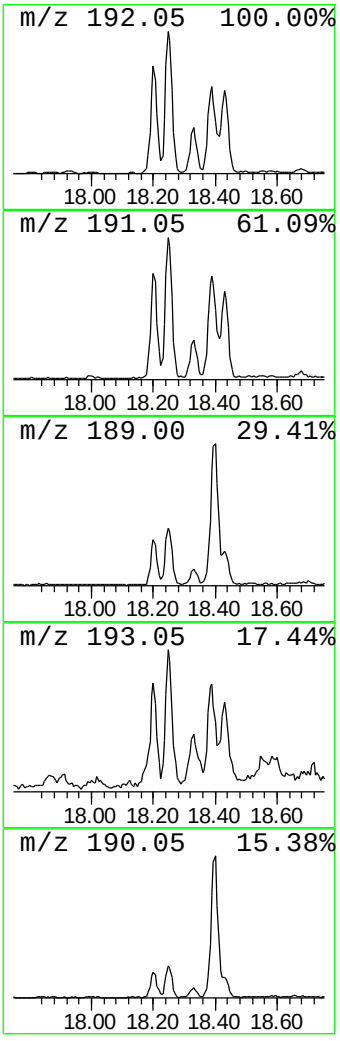
****

Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.58 ng	293507	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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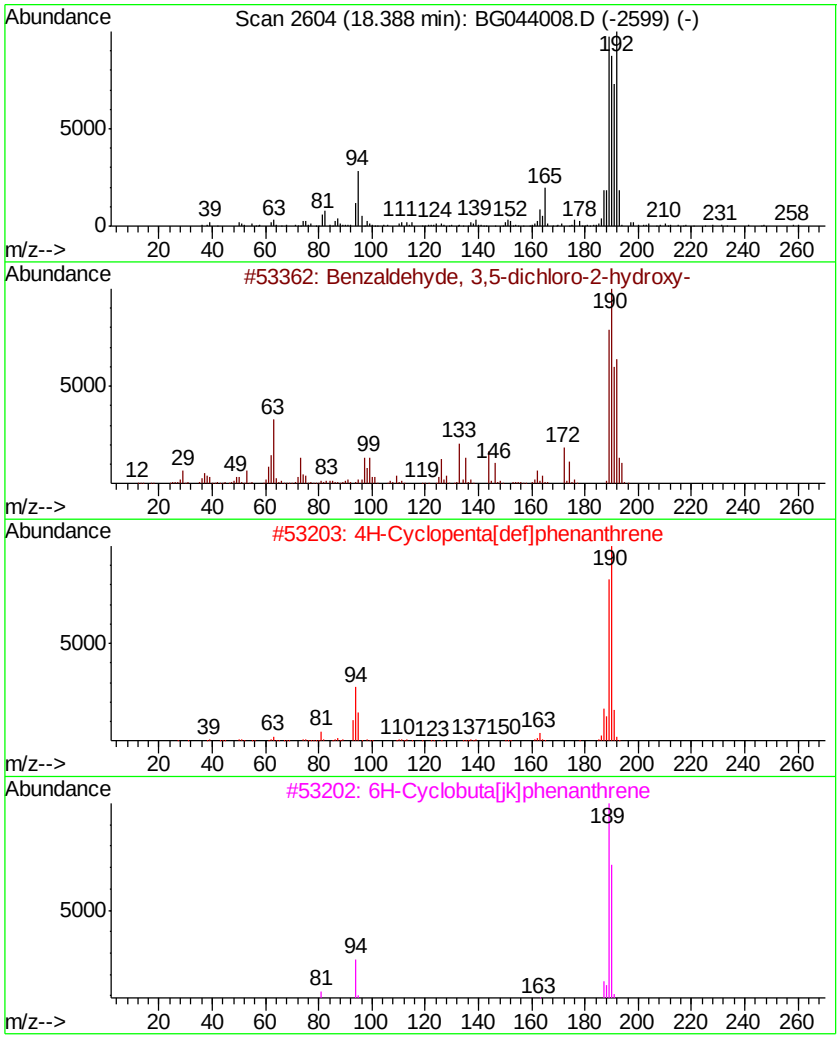
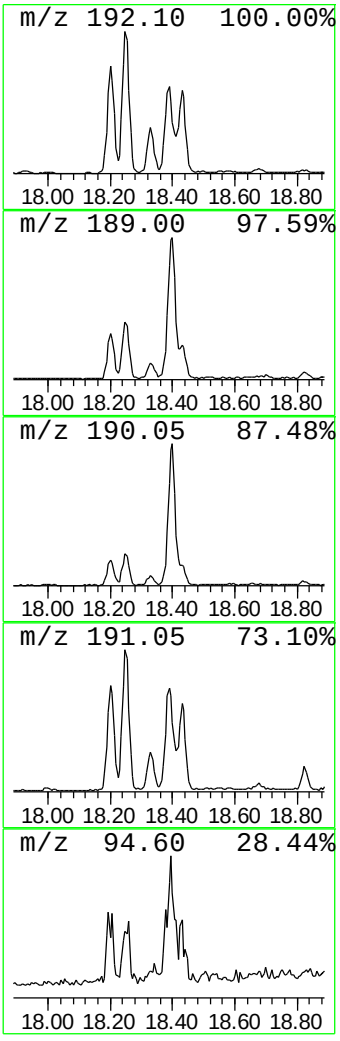
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	5.39 ng	442019	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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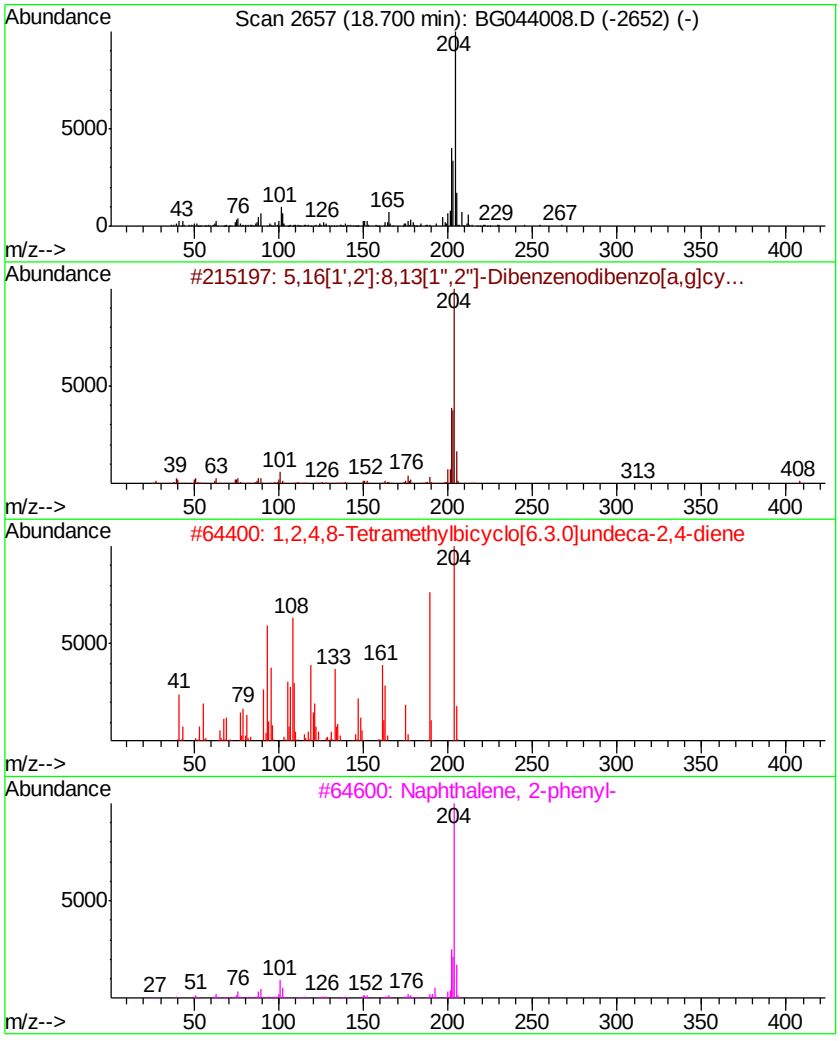
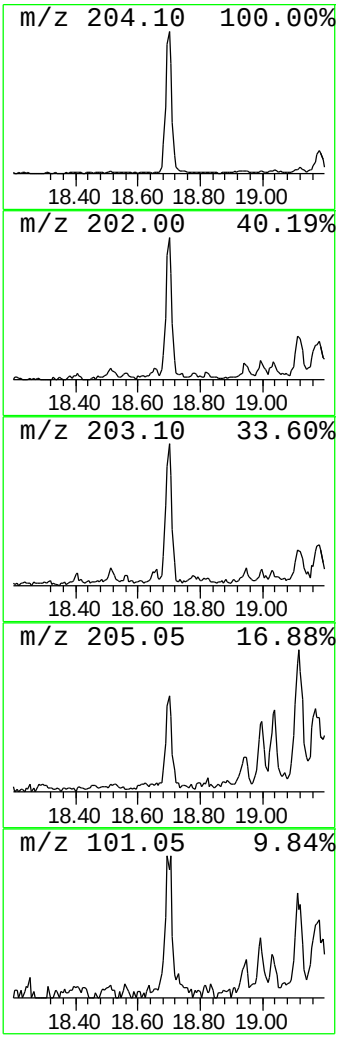
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.24 ng	183703	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

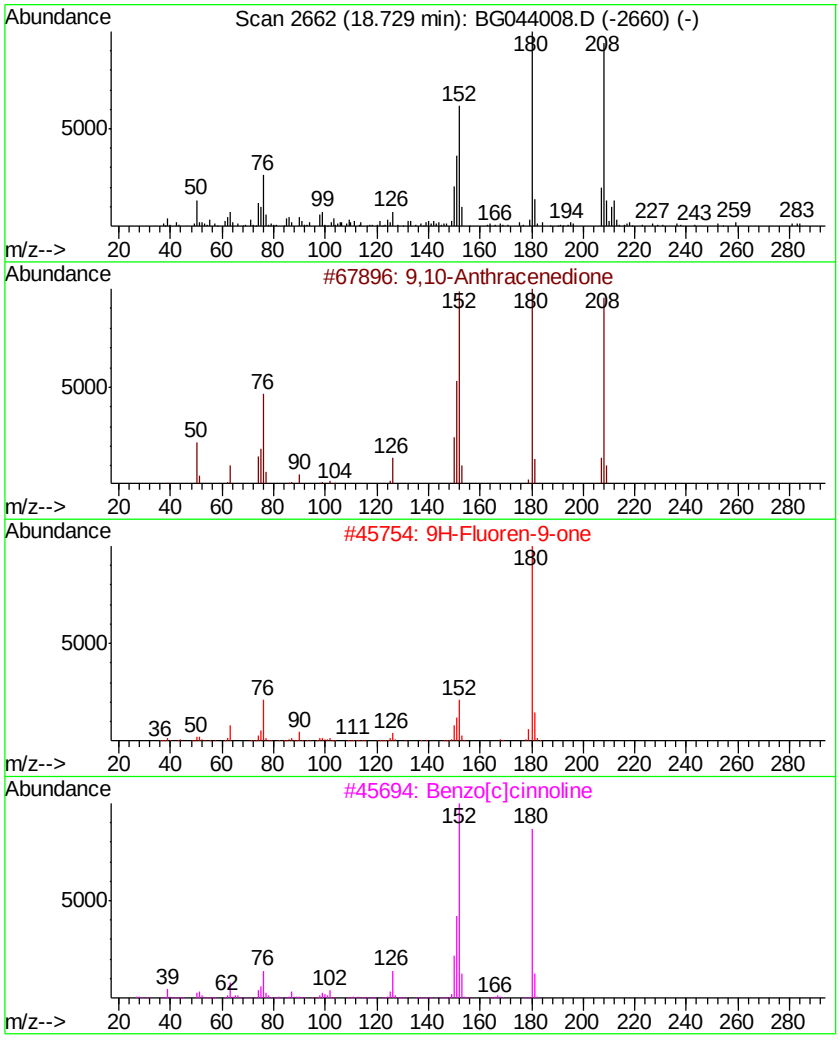
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

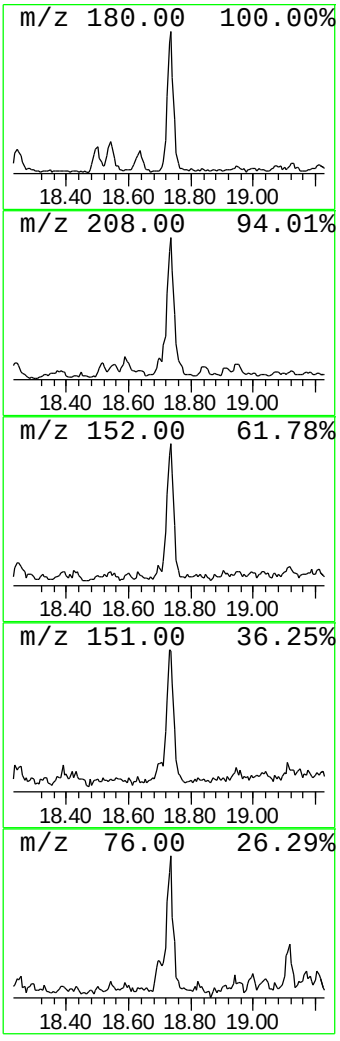
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.30 ng	188697	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	47
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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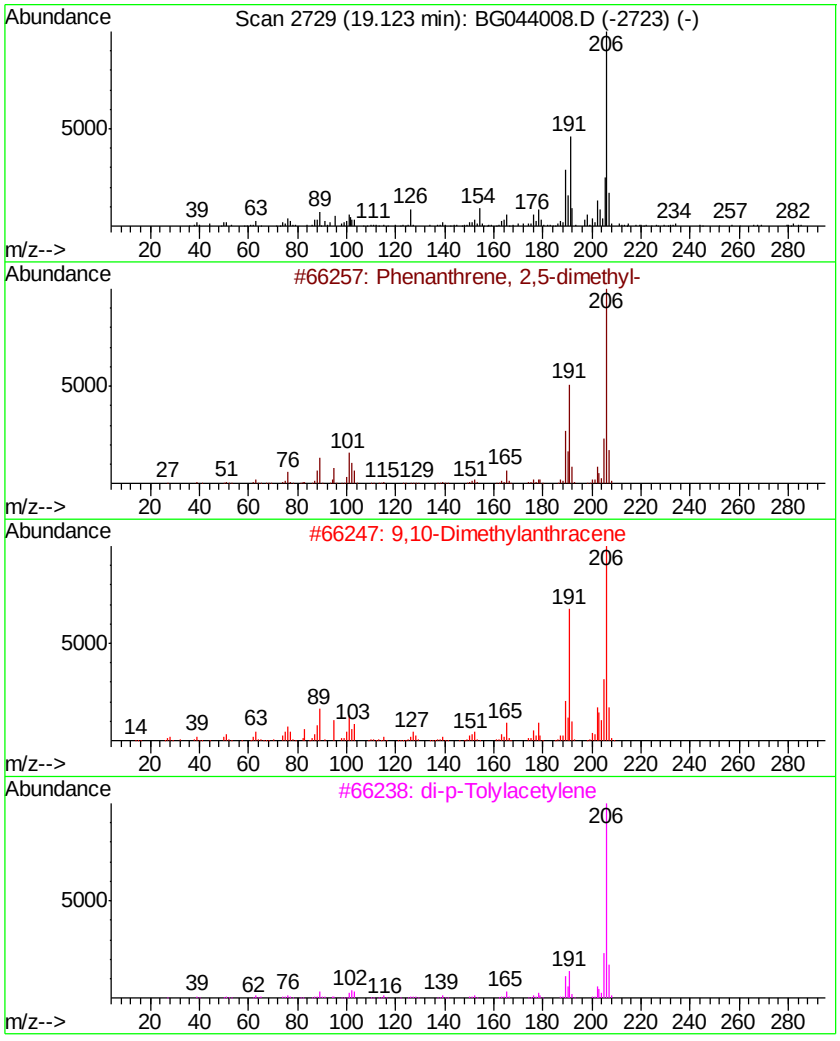
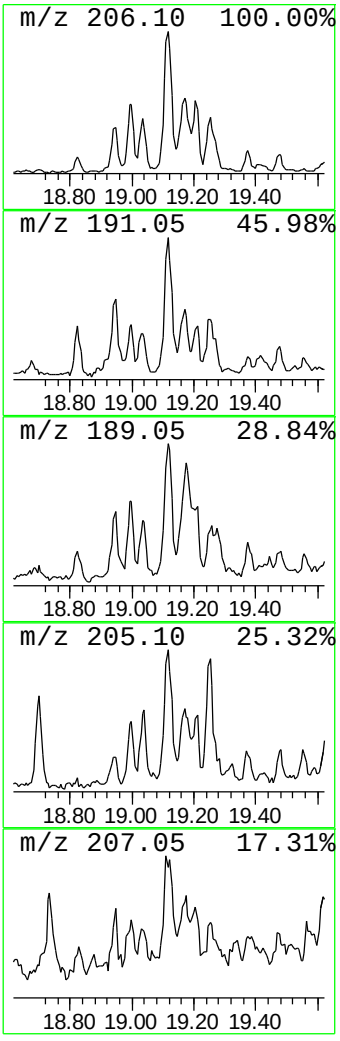
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.77 ng	227011	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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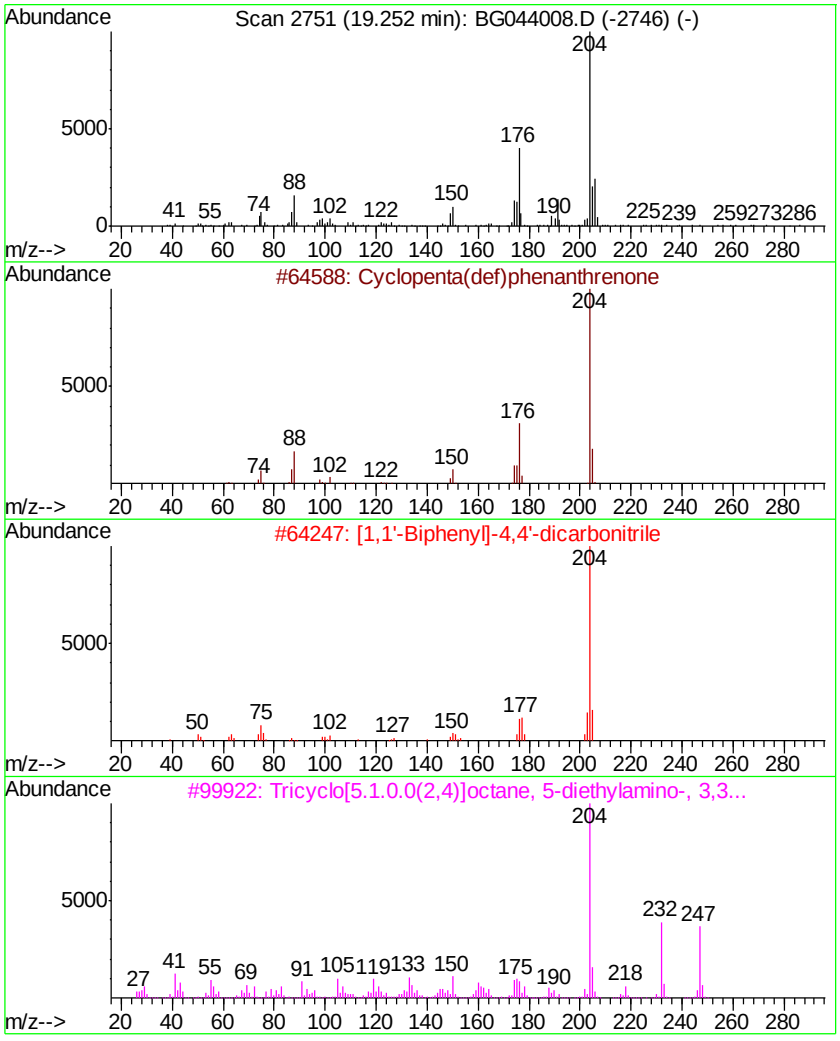
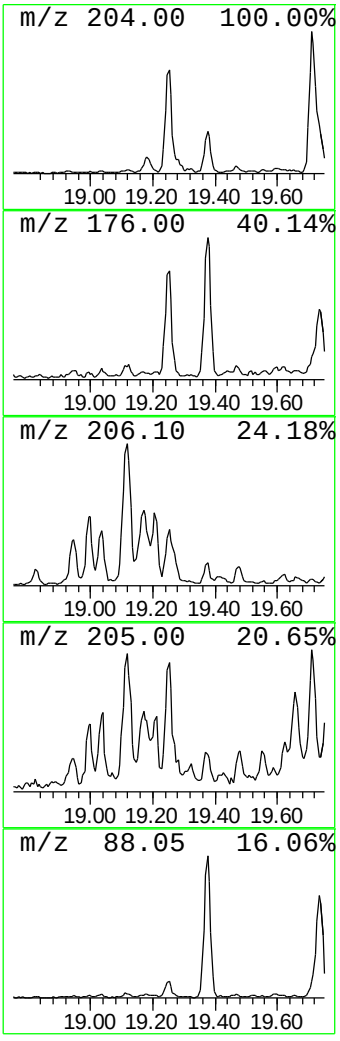
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.96 ng	243221	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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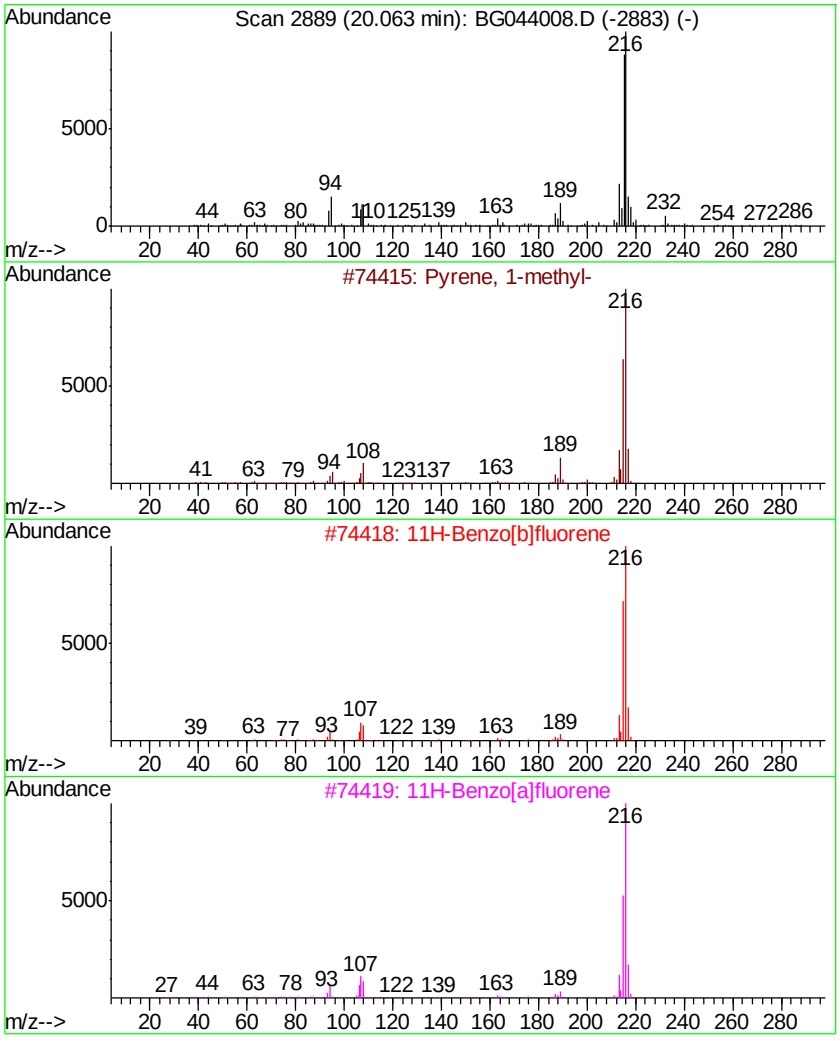
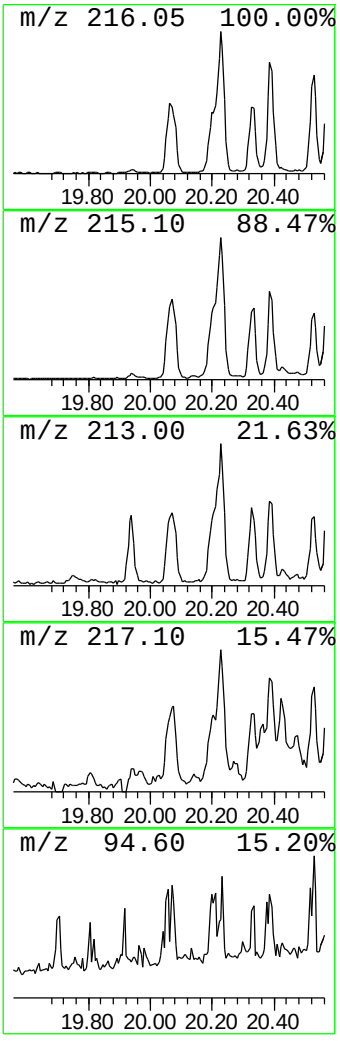
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.02 ng	407738	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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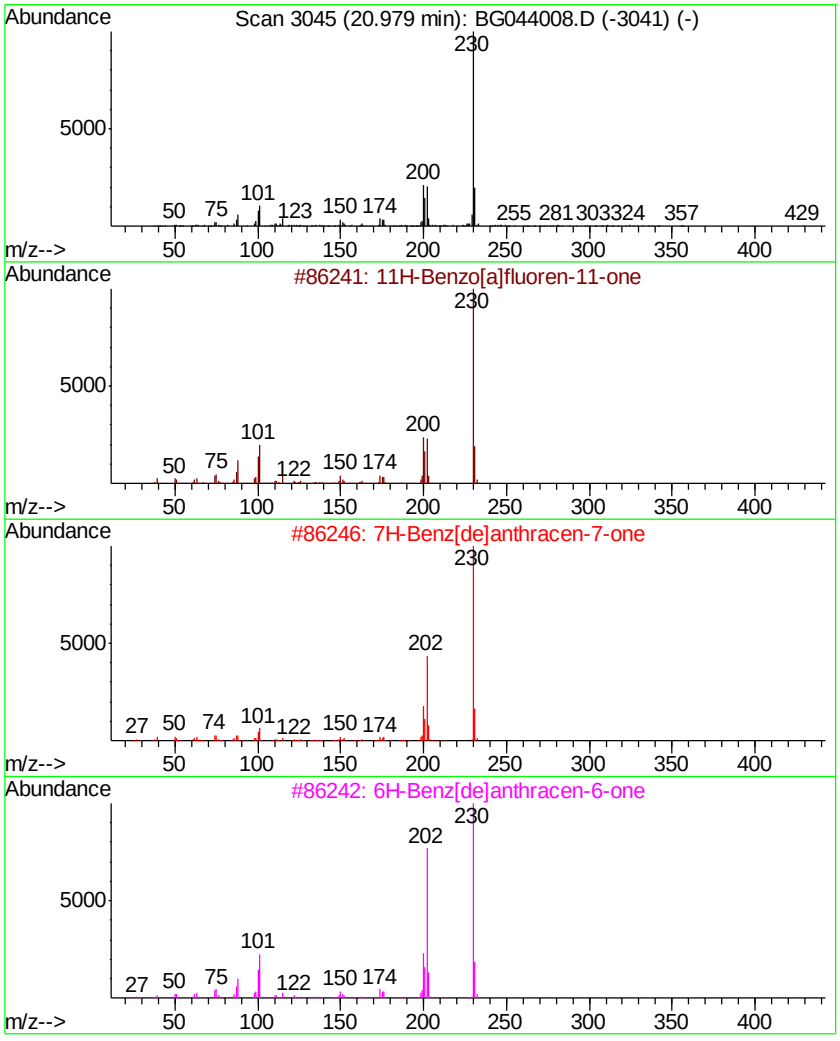
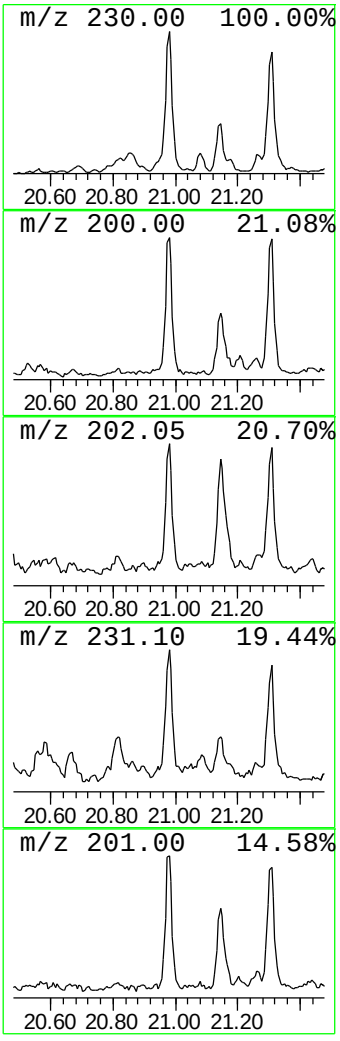
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.20 ng	444763	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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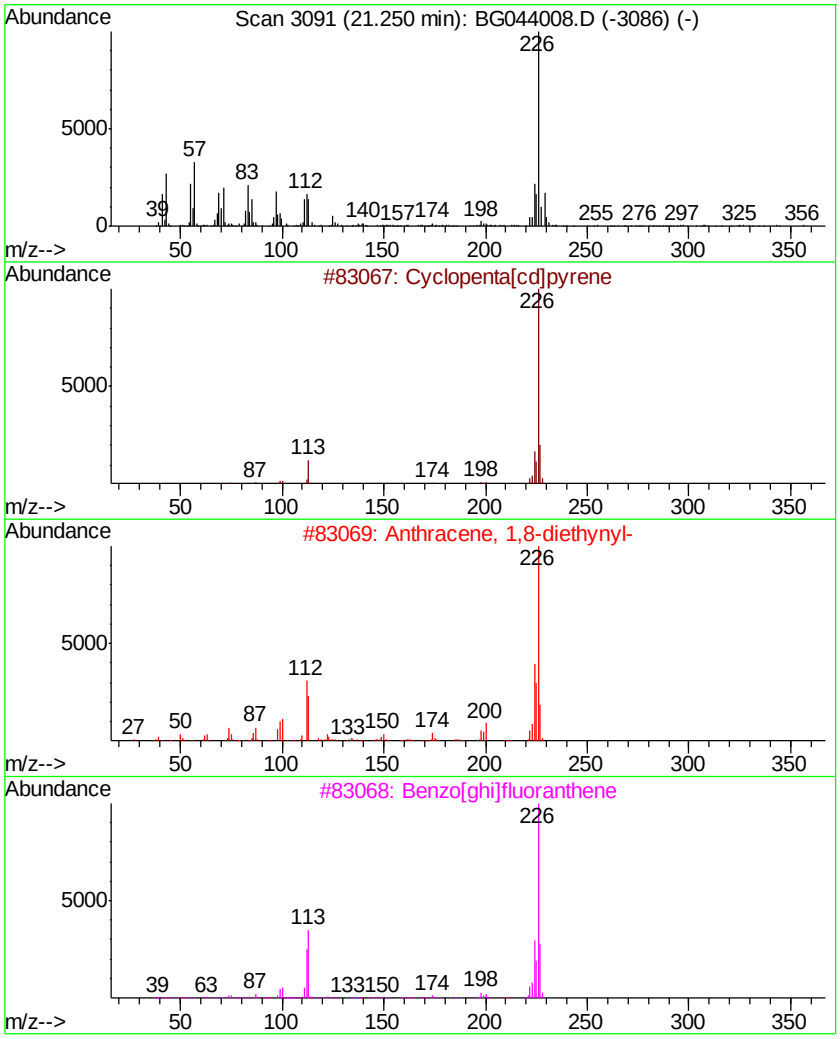
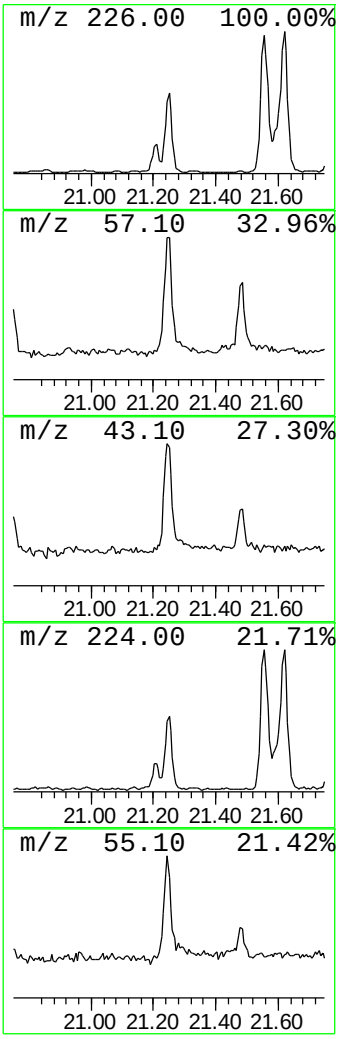
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.25	3.83 ng	772046	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	35
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	25
4	Glutaric acid, diamide, N,N'-di(...	354	C21H42N2O2	1000360-86-3	23
5	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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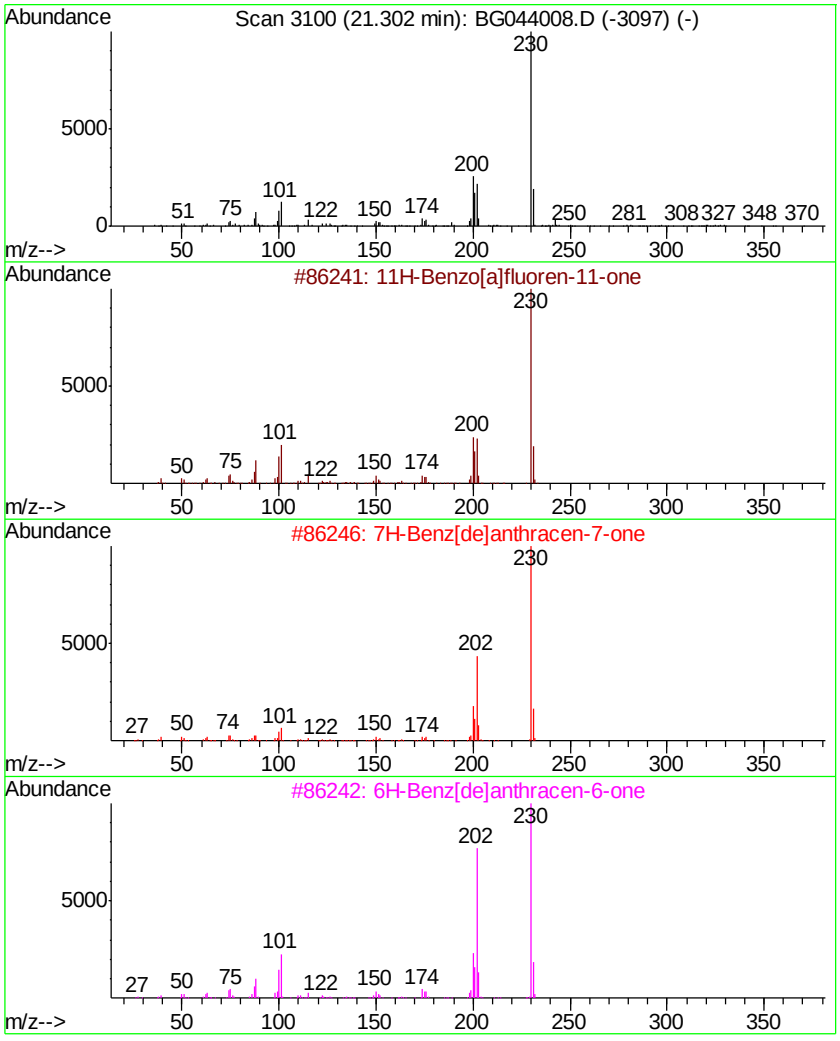
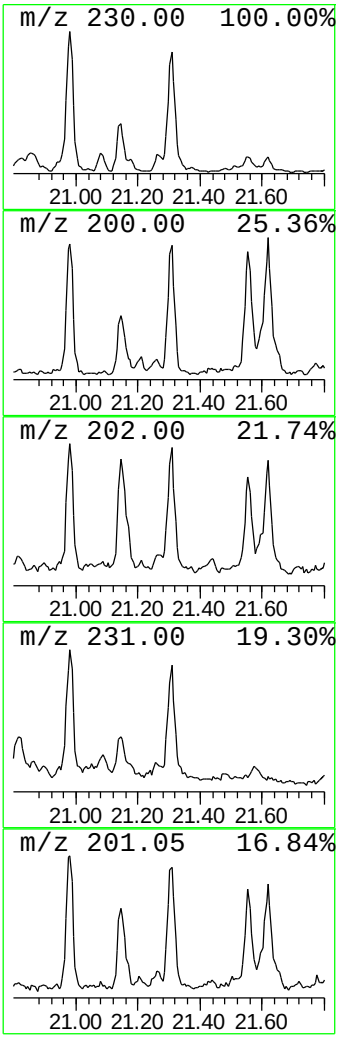
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.09 ng	421387	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	o-Terphenyl	230	C18H14	000084-15-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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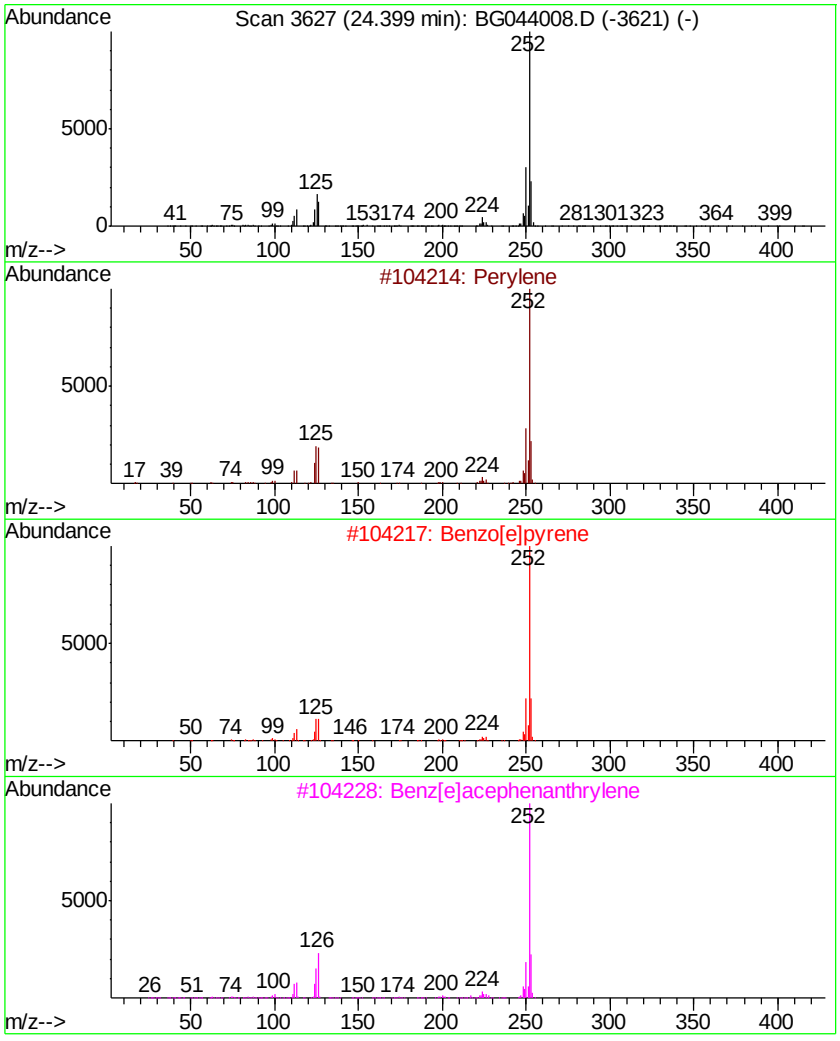
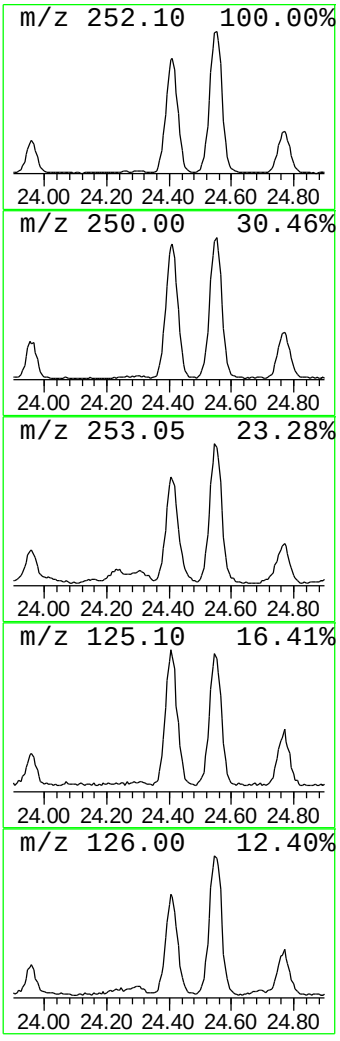
Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.40	24.87 ng	1921420	Perylene-d12	24.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AF-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.14	14.8	ng	610610	1	7.95	825410	20.0
2-Pentanone, 4-hy...	5.06	5.7	ng	234782	1	7.95	825410	20.0
unknown7.48	7.48	29.9	ng	1234190	1	7.95	825410	20.0
5H-Indeno[1,2-b]p...	17.72	2.0	ng	166995	4	17.32	1640950	20.0
Phenanthrene, 2-m...	18.20	2.5	ng	207712	4	17.32	1640950	20.0
5H-Dibenzo[a,d]cy...	18.25	3.6	ng	293507	4	17.32	1640950	20.0
Benzaldehyde, 3,5...	18.39	5.4	ng	442019	4	17.32	1640950	20.0
5,16[1',2']:8,13[...	18.70	2.2	ng	183703	4	17.32	1640950	20.0
9,10-Anthracenedione	18.73	2.3	ng	188697	4	17.32	1640950	20.0
Phenanthrene, 2,5...	19.12	2.8	ng	227011	4	17.32	1640950	20.0
Cyclopenta(def)ph...	19.25	3.0	ng	243221	4	17.32	1640950	20.0
Pyrene, 1-methyl-	20.06	2.0	ng	407738	5	21.57	4036230	20.0
11H-Benzo[a]fluor...	20.98	2.2	ng	444763	5	21.57	4036230	20.0
Cyclopenta[cd]pyrene	21.25	3.8	ng	772046	5	21.57	4036230	20.0
7H-Benz[de]anthra...	21.30	2.1	ng	421387	5	21.57	4036230	20.0
Perylene	24.40	24.9	ng	1921420	6	24.70	1545200	20.0