LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

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-BG061719.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	5.594	419	426	442	rBV	212276	376168	30.18%	2.194%
2	7.210	695	701	713	rBV	242730	430591	34.55%	2.512%
3	7.580	758	764	778	rVB	238972	418835	33.61%	2.443%
4	8.050	838	844	854	rBV	103049	181345	14.55%	1.058%
5	8.374	893	899	908	rBV	181064	314007	25.20%	1.832%
6	9.231	1039	1045	1057	rBV	140840	270108	21.67%	1.576%
7	10.877	1318	1325	1331	rBV	135113	252145	20.23%	1.471%
8	12.751	1639	1644	1651	rVB3	10267	18433	1.48%	0.108%
9	13.309	1733	1739	1750	rBV	419156	646289	51.86%	3.770%
10	13.867	1827	1834	1841	rVB5	7834	20522	1.65%	0.120%
11	14.014	1853	1859	1864	rBV3	17138	32201	2.58%	0.188%
12	14.067	1864	1868	1876	rVB3	9864	15743	1.26%	0.092%
13	14.137	1876	1880	1891	rVB	39186	63315	5.08%	0.369%
14	14.249	1894	1899	1904	rBV3	9826	15654	1.26%	0.091%
15	14.414	1922	1927	1936	rVB3	13725	25503	2.05%	0.149%
16	14.690	1963	1974	1981	rBV2	251895	421424	33.82%	2.458%
17	14.754	1981	1985	1992	rVB	56792	88405	7.09%	0.516%
18	15.089	2036	2042	2048	rVV3	36255	63336	5.08%	0.369%
19	15.160	2048	2054	2058	rVB3	11466	18079	1.45%	0.105%
20	15.295	2070	2077	2083	rBV6	10715	19704	1.58%	0.115%
21	15.471	2098	2107	2109	rBV4	7844	17077	1.37%	0.100%
22	15.736	2145	2152	2162	rVB	84831	141661	11.37%	0.826%
23	15.894	2176	2179	2183	rVB4	13315	18212	1.46%	0.106%
24	16.023	2197	2201	2207	rVB	16993	30469	2.44%	0.178%
25	16.182	2221	2228	2239	rBV	368511	606584	48.67%	3.538%
26	16.370	2253	2260	2262	rBV5	7208	15957	1.28%	0.093%
27	16.734	2311	2322	2327	rBV2	24787	54089	4.34%	0.316%
28	16.787	2327	2331	2338	rVV3	14234	21252	1.71%	0.124%
29	16.881	2344	2347	2352	rVB2	12210	18942	1.52%	0.110%
30	16.964	2352	2361	2363	rBV6	11826	22479	1.80%	0.131%
31	17.146	2389	2392	2397	rVV5	11401	24394	1.96%	0.142%
32	17.257	2404	2411	2419	rVB	35743	58226	4.67%	0.340%
33	17.439	2436	2442	2445	rBV2	355576	534538	42.89%	3.118%
34	17.481	2445	2449	2459	rVV	616114	905369	72.65%	5.281%

LSC Area Percent Report

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Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

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-BG061719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.575	2459	2465	2471	rVV	155584	245672	19.71%	1.433%
36	17.622	2471	2473	2479	rVB5	9414	14994	1.20%	0.087%
37	17.851	2505	2512	2515	rBV2	30554	54684	4.39%	0.319%
38	17.880	2515	2517	2525	rVV6	15952	23612	1.89%	0.138%
39	17.951	2525	2529	2532	rVV	14456	19091	1.53%	0.111%
40	18.021	2536	2541	2545	rVB	16757	25675	2.06%	0.150%
41	18.168	2560	2566	2570	rBV3	12295	24241	1.95%	0.141%
42	18.309	2584	2590	2594	rBV	101250	169448	13.60%	0.988%
43	18.362	2594	2599	2605	rVB	115220	172781	13.86%	1.008%
44	18.438	2607	2612	2617	rVB	46924	68826	5.52%	0.401%
45	18.509	2617	2624	2628	rBV2	151206	295858	23.74%	1.726%
46	18.803	2669	2674	2680	rBV	62269	98410	7.90%	0.574%
47	18.855	2680	2683	2691	rVB7	20978	32519	2.61%	0.190%
48	19.043	2708	2715	2719	rBV3	24142	42923	3.44%	0.250%
49	19.096	2719	2724	2727	rBV	30878	40886	3.28%	0.238%
50	19.132	2727	2730	2735	rVB	24621	34256	2.75%	0.200%
51	19.214	2738	2744	2749	rBV	79465	148420	11.91%	0.866%
52	19.278	2749	2755	2758	rBV3	26013	51748	4.15%	0.302%
53	19.361	2764	2769	2780	rVB8	27026	88988	7.14%	0.519%
54	19.490	2784	2791	2796	rBV	874412	1236167	99.19%	7.211%
55	19.543	2796	2800	2803	rVV	19292	27450	2.20%	0.160%
56	19.578	2803	2806	2811	rVV3	24826	38511	3.09%	0.225%
57	19.637	2813	2816	2819	rVB5	9744	12957	1.04%	0.076%
58	19.731	2825	2832	2841	rVB4	31735	75121	6.03%	0.438%
59	19.813	2841	2846	2848	rBV2	135494	203923	16.36%	1.189%
60	19.848	2848	2852	2859	rVB	719122	1037116	83.22%	6.050%
61	19.913	2859	2863	2870	rVB	55314	83554	6.70%	0.487%
62	20.036	2870	2884	2889	rBV	797345	1076666	86.39%	6.280%
63	20.166	2900	2906	2912	rBV3	60550	151465	12.15%	0.883%
64	20.236	2914	2918	2920	rBV3	18269	24952	2.00%	0.146%
65	20.336	2924	2935	2940	rVB	157399	328627	26.37%	1.917%
66	20.436	2947	2952	2956	rBV	140821	193313	15.51%	1.128%
67	20.495	2956	2962	2966	rVV2	81911	146610	11.76%	0.855%
68	20.530	2966	2968	2971	rVB2	24652	22042	1.77%	0.129%
69	20.636	2982	2986	2989	rBV	59198	72787	5.84%	0.425%
70	20.677	2989	2993	3005	rVB	68366	133979	10.75%	0.782%
71	20.765	3005	3008	3010	rBV4	13247	19377	1.55%	0.113%

LSC Area Percent Report

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Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

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-BG061719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.924	3032	3035	3038	rBV5	17499	26070	2.09%	0.152%
73	21.053	3053	3057	3061	rBV4	20184	36950	2.96%	0.216%
74	21.100	3062	3065	3071	rVB3	32851	56658	4.55%	0.330%
75	21.188	3078	3080	3085	rVB3	15967	20827	1.67%	0.121%
76	21.253	3087	3091	3093	rBV4	18602	27871	2.24%	0.163%
77	21.288	3093	3097	3100	rVV	63545	97423	7.82%	0.568%
78	21.329	3101	3104	3109	rVV	65315	101592	8.15%	0.593%
79	21.376	3109	3112	3119	rVB2	46032	81973	6.58%	0.478%
80	21.705	3160	3168	3174	rBV2	453415	1246238	100.00%	7.269%
81	21.758	3174	3177	3188	rVB	299126	468186	37.57%	2.731%
82	21.911	3198	3203	3211	rBV	71811	128837	10.34%	0.752%
83	22.445	3291	3294	3300	rVB2	68137	126325	10.14%	0.737%
84	22.522	3304	3307	3312	rVB2	35000	52398	4.20%	0.306%
85	22.733	3339	3343	3346	rBV4	20060	30921	2.48%	0.180%
86	23.955	3542	3551	3558	rBV2	189350	627510	50.35%	3.660%
87	24.220	3591	3596	3604	rVB2	42626	103740	8.32%	0.605%
88	24.696	3671	3677	3689	rVB2	103705	293453	23.55%	1.712%
89	24.848	3695	3703	3711	rBV	165929	439593	35.27%	2.564%
90	25.007	3722	3730	3738	rBV2	172399	478536	38.40%	2.791%

Sum of corrected areas: 17143806

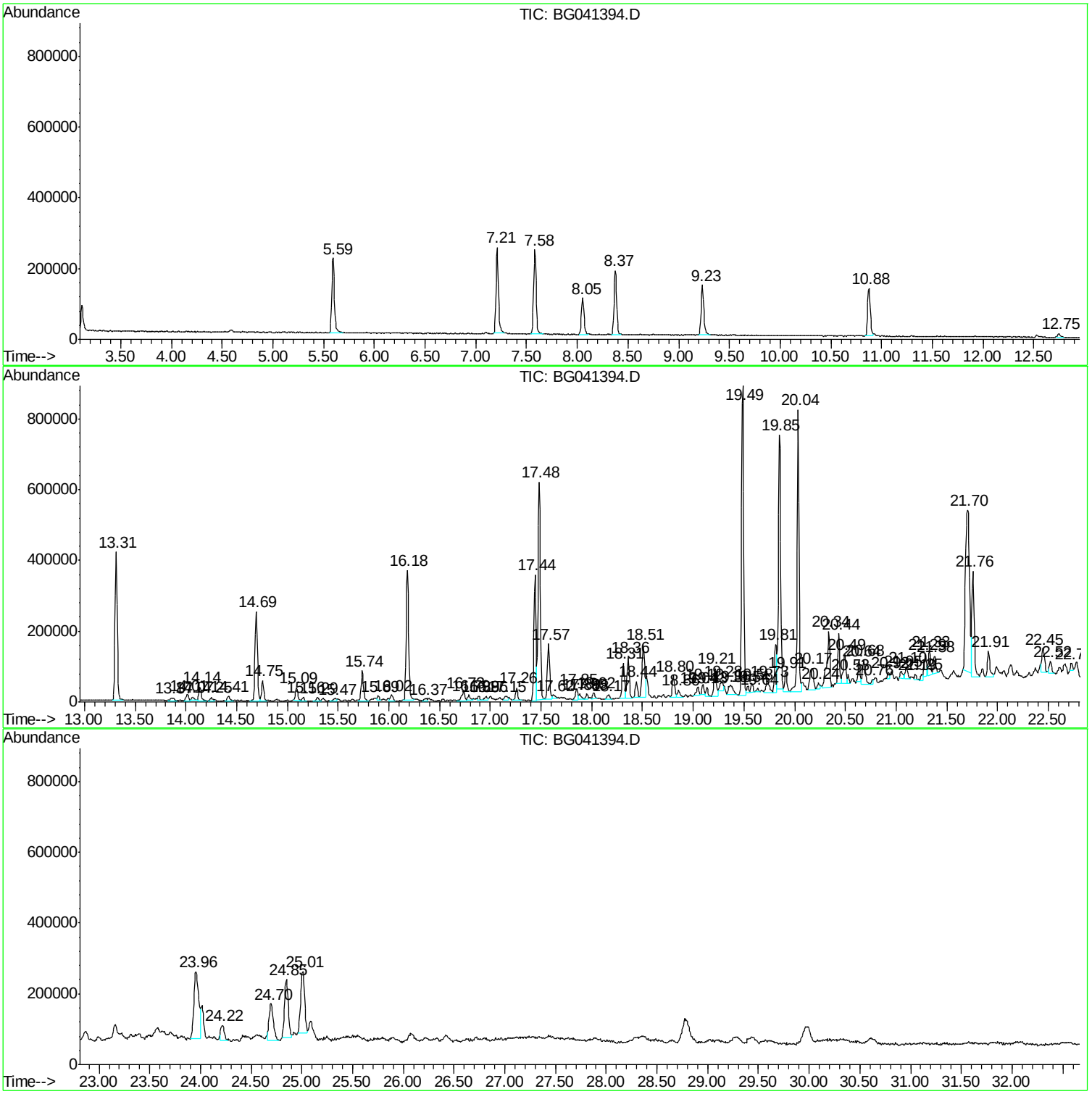
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

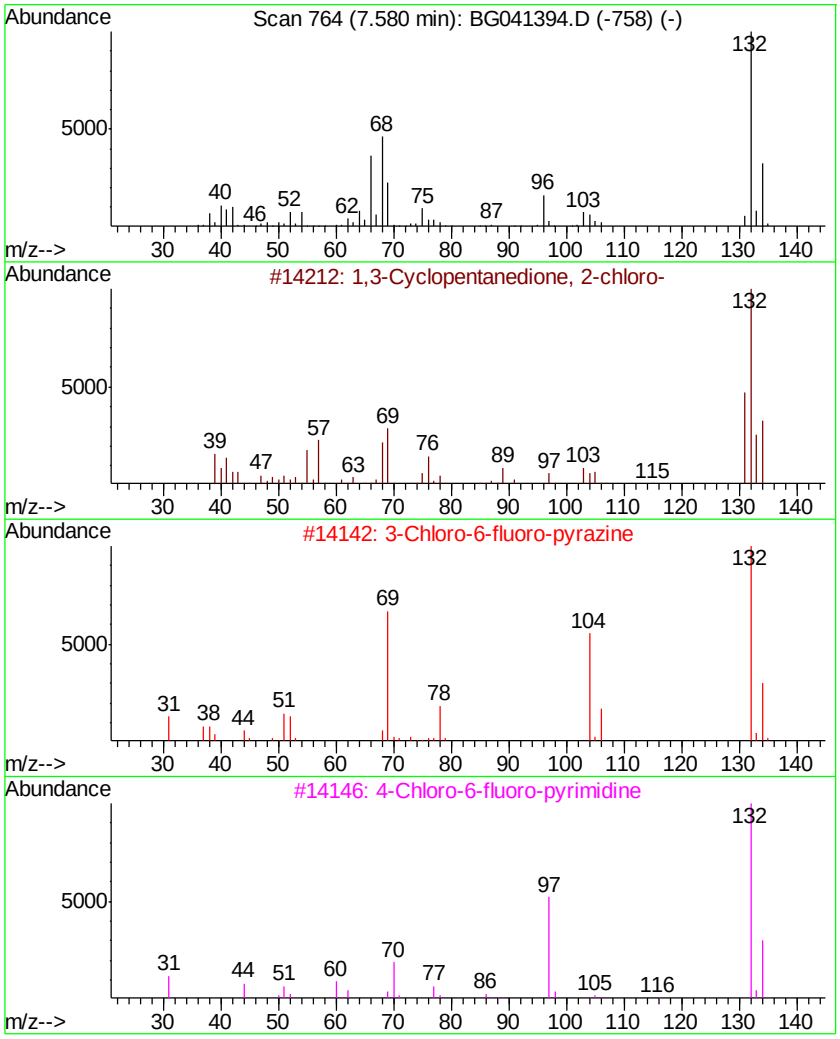
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

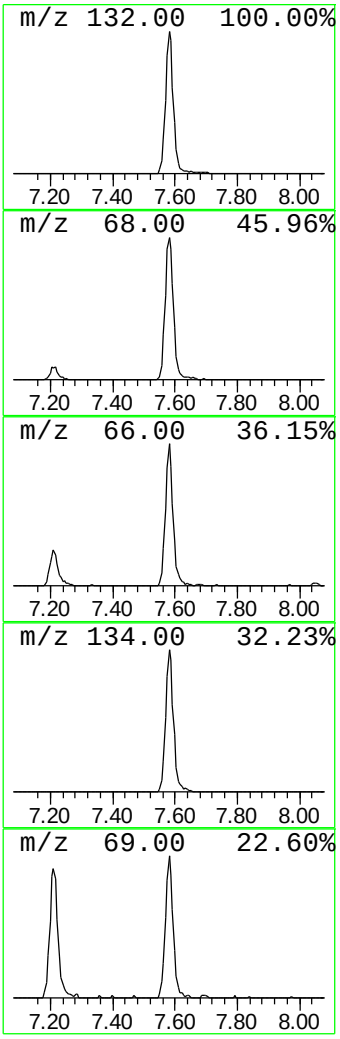
****

Peak Number 1 unknown7.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	46.19 ng	418835	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

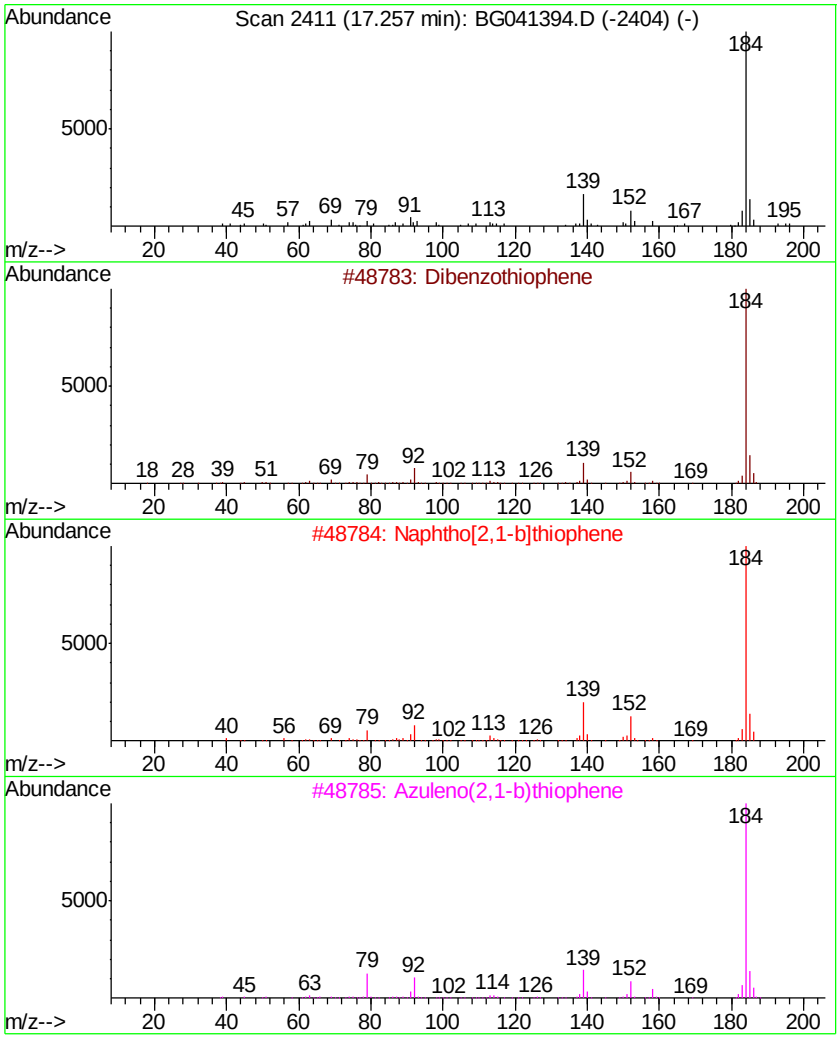
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

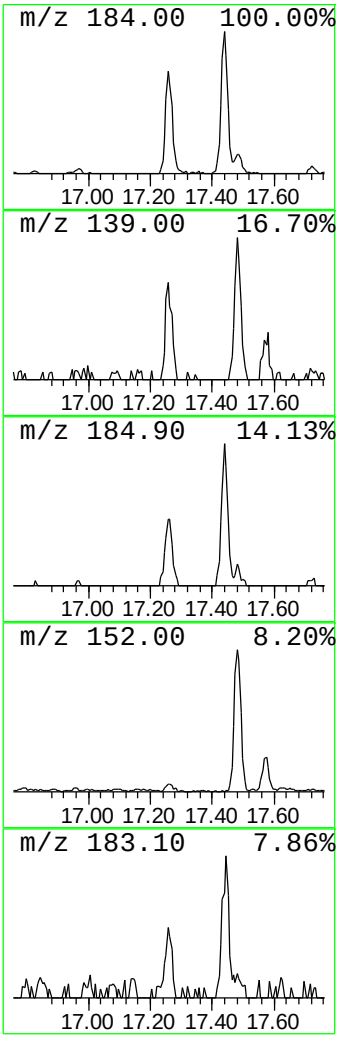
****

Peak Number 3 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.18 ng	58226	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	87
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	80
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	72
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72





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Acq On : 22 Jun 2019 4:00
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Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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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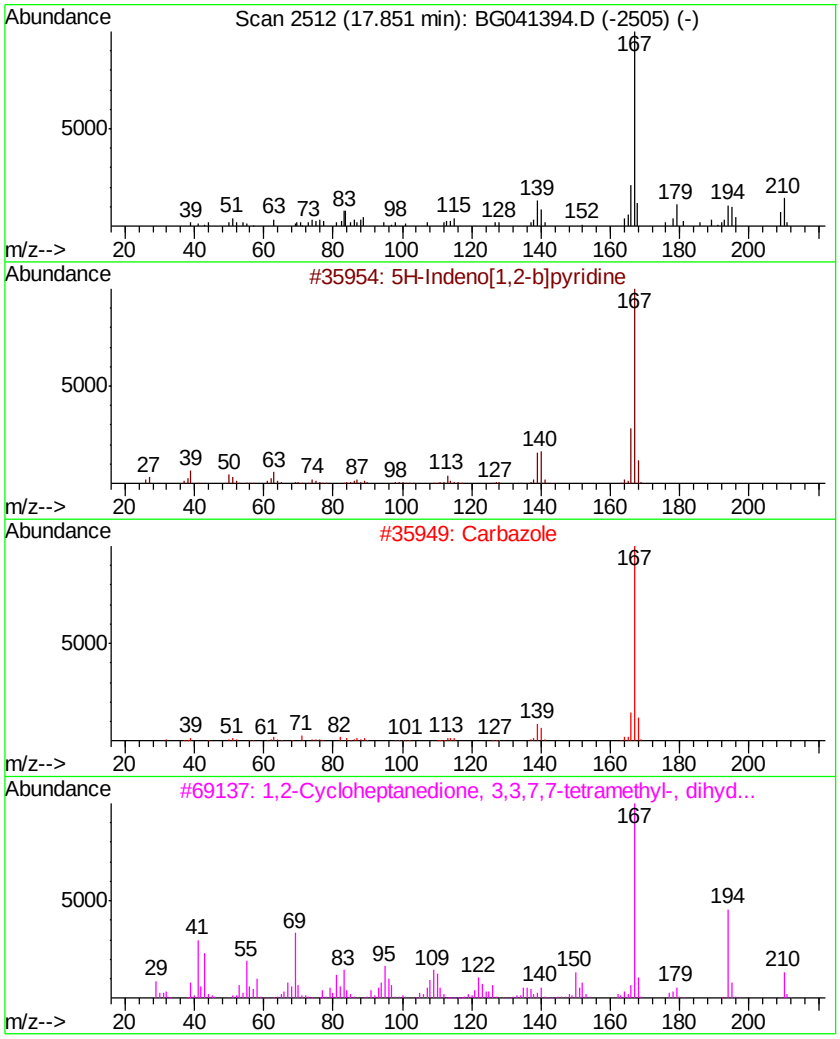
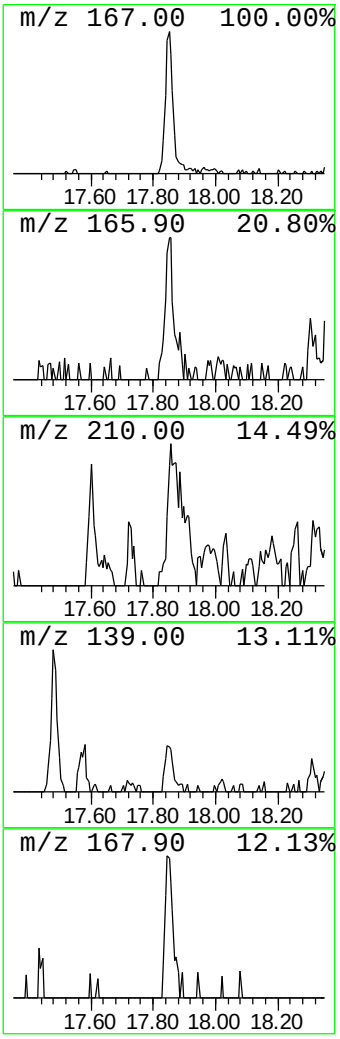
Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.05 ng	54684	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	58
2	Carbazole	167	C12H9N	000086-74-8	58
3	1,2-Cycloheptanedione, 3,3,7,7-t...	210	C11H22N4	1000319-33-3	58
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	53
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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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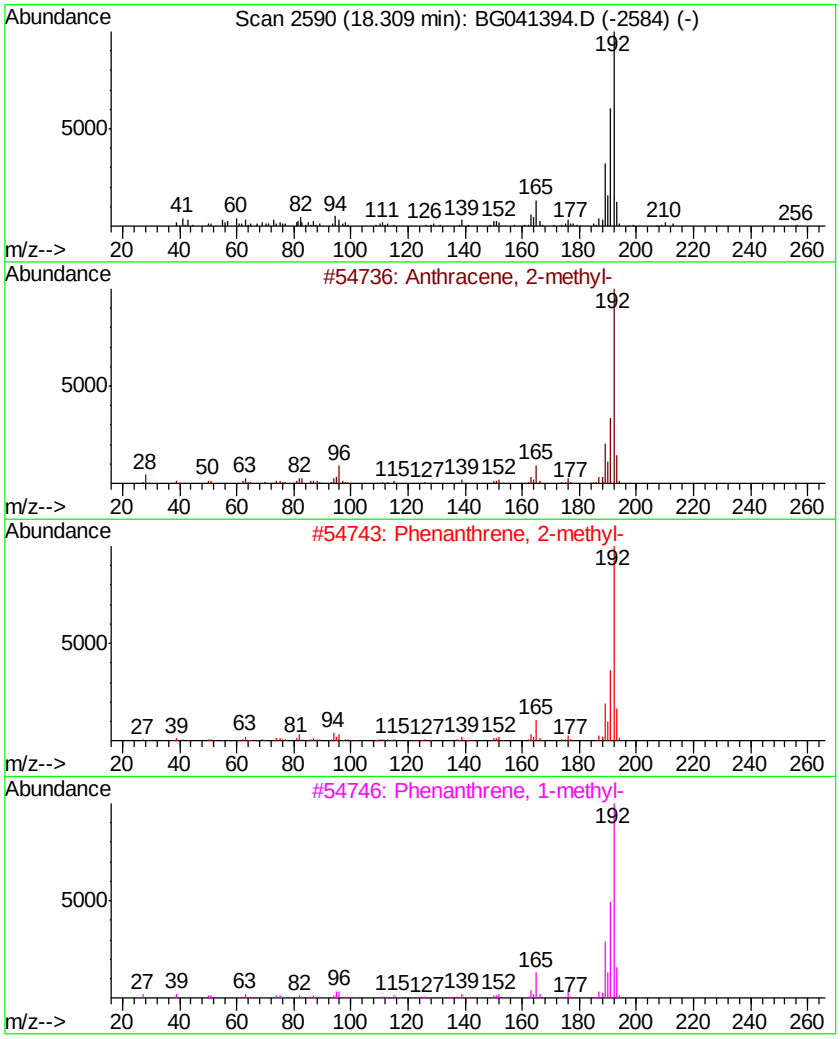
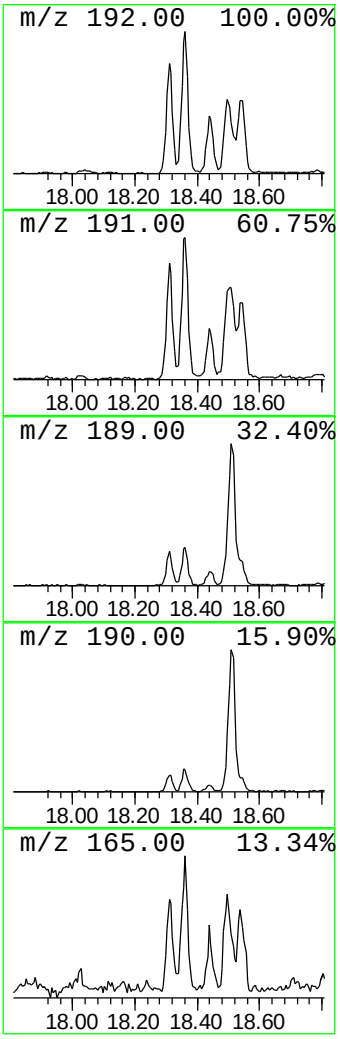
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	6.34 ng	169448	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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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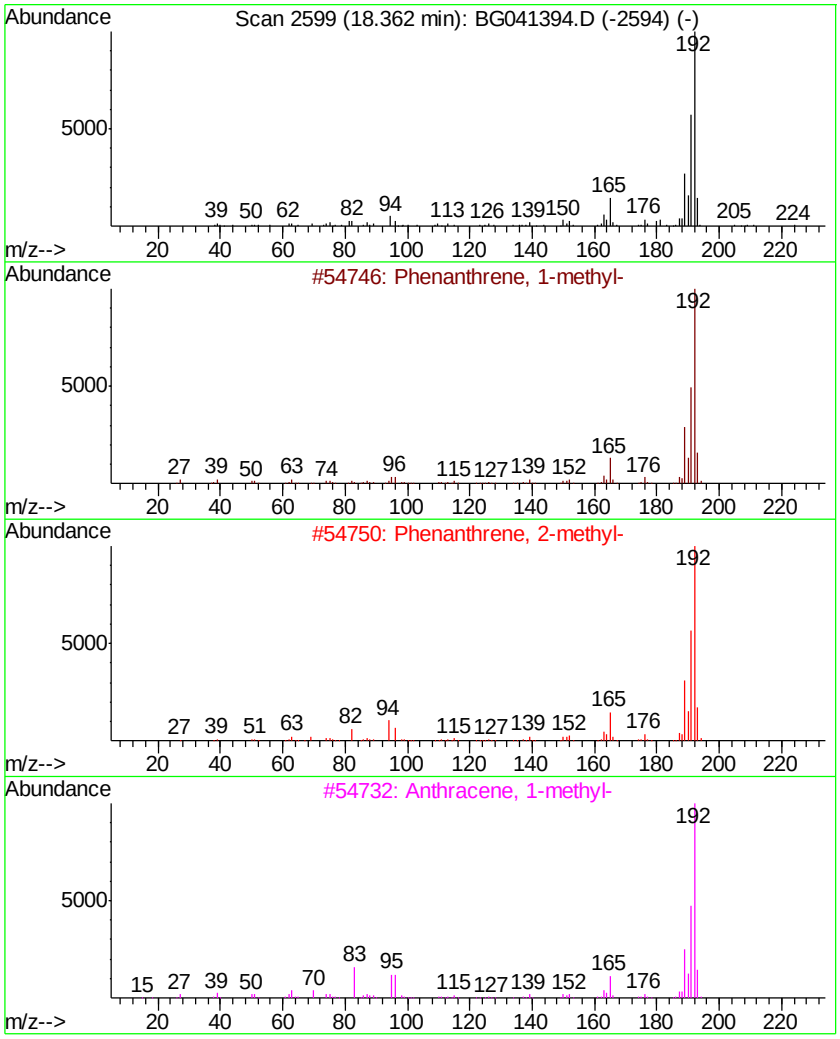
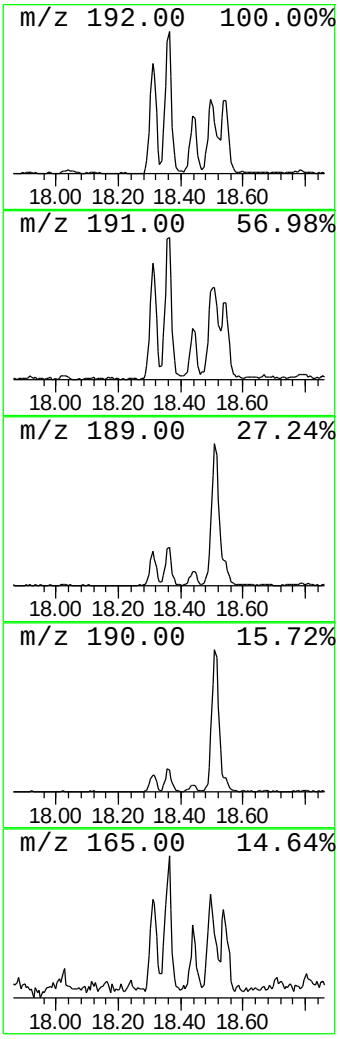
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	6.46 ng	172781	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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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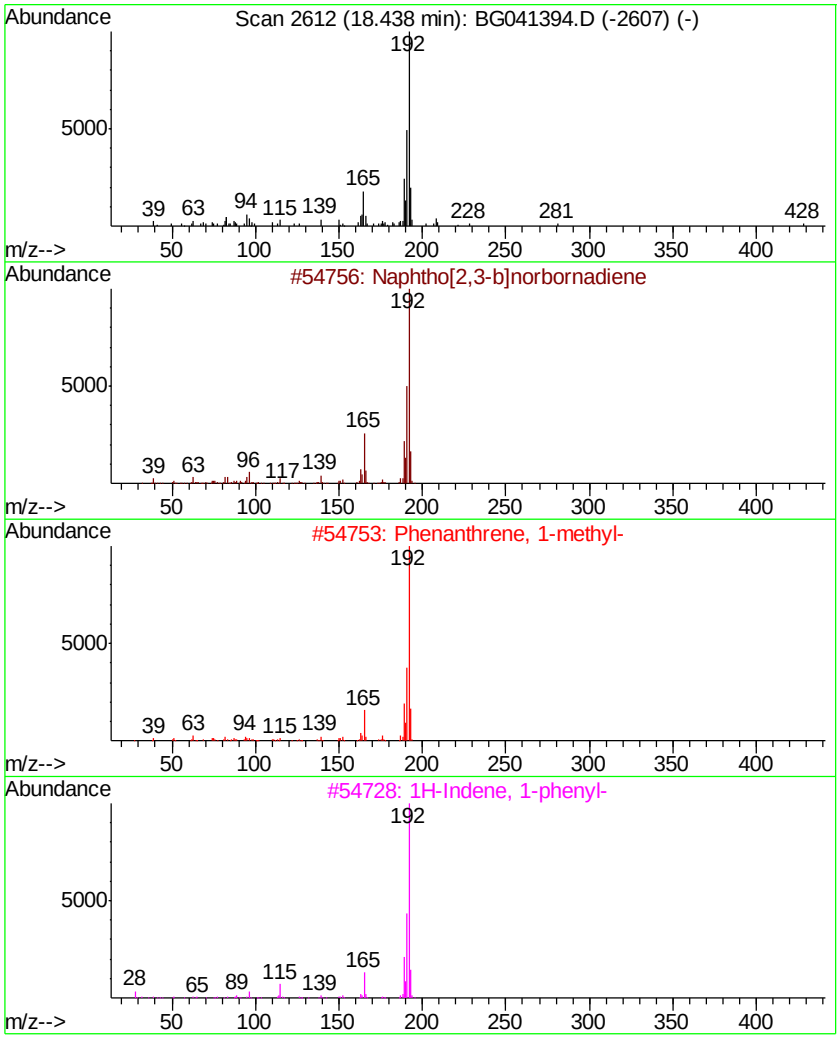
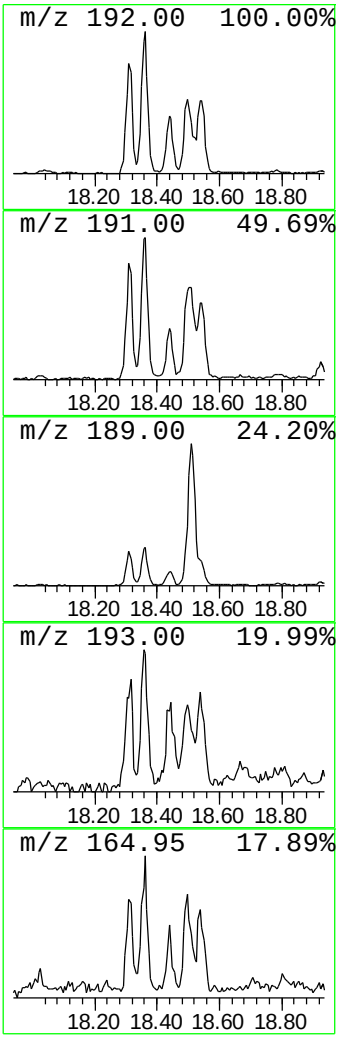
Peak Number 7 Naphtho[2,3-b]norbornadiene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.58 ng	68826	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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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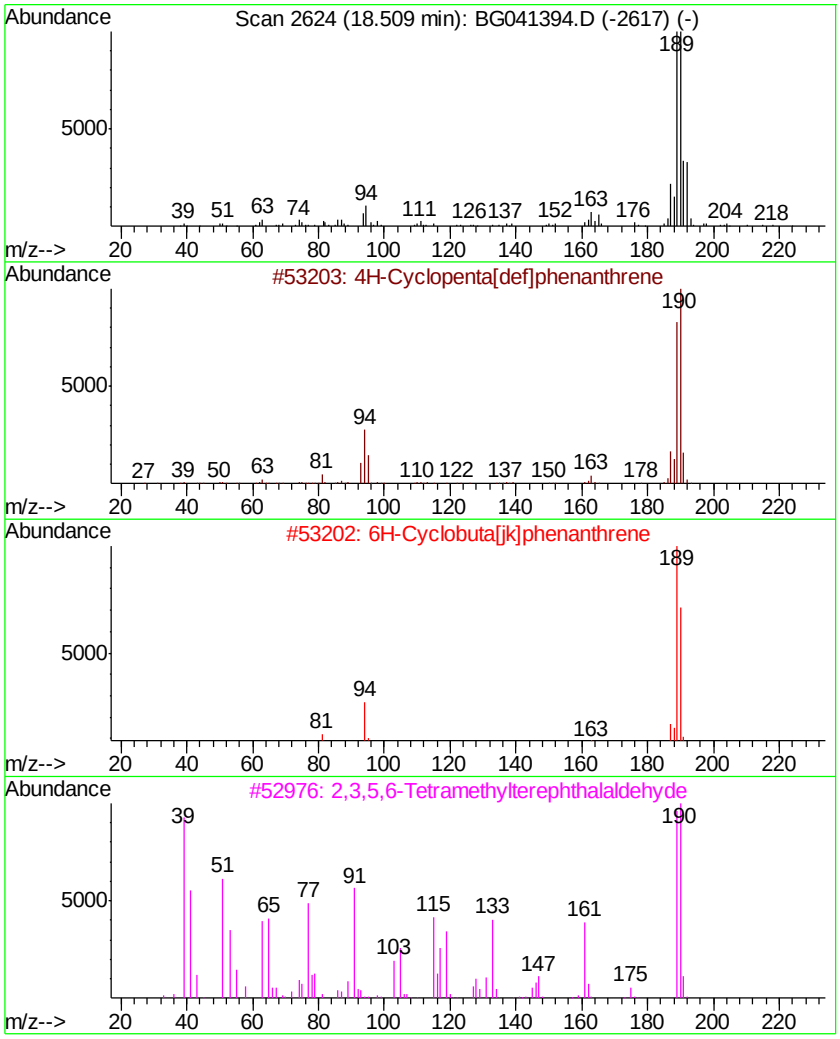
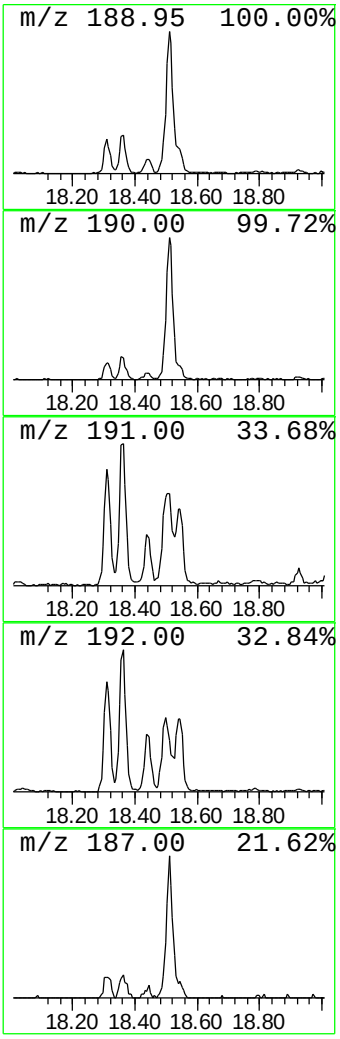
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	11.07 ng	295858	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1-Aminocyclopentanecarboxylic ac...	431	C23H42ClNO4	1000329-17-4	12





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ClientSampleId : OR-02-061919-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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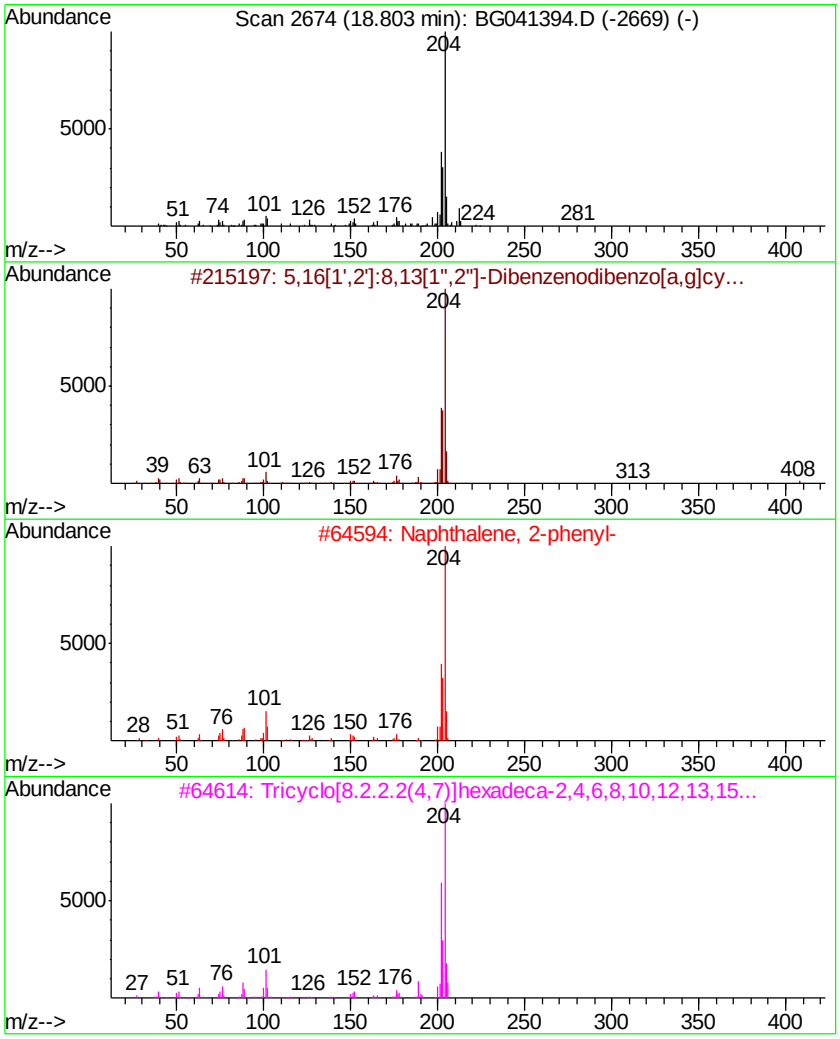
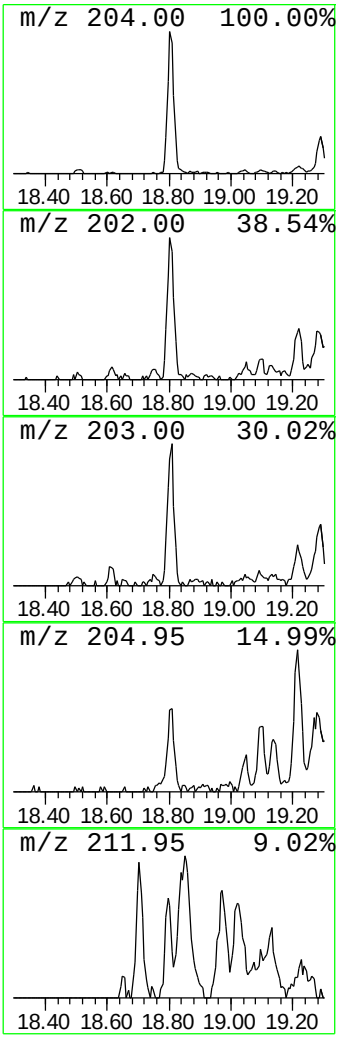
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.68 ng	98410	Phenanthrene-d10	17.44

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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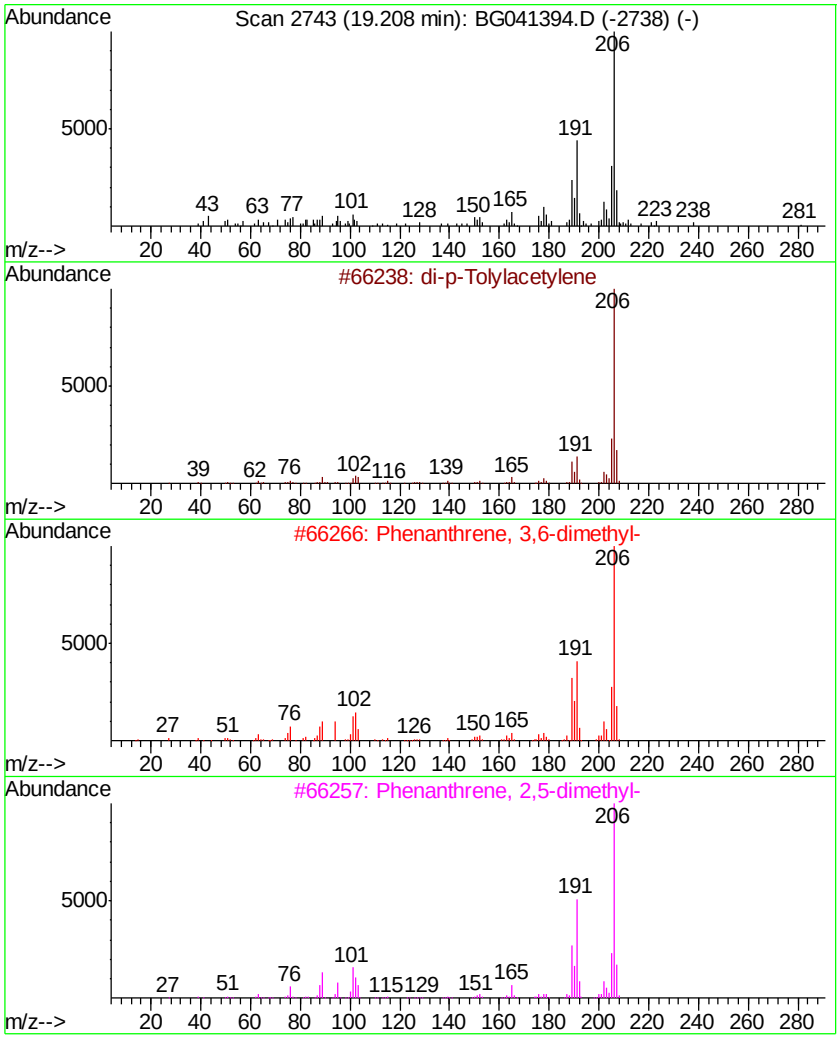
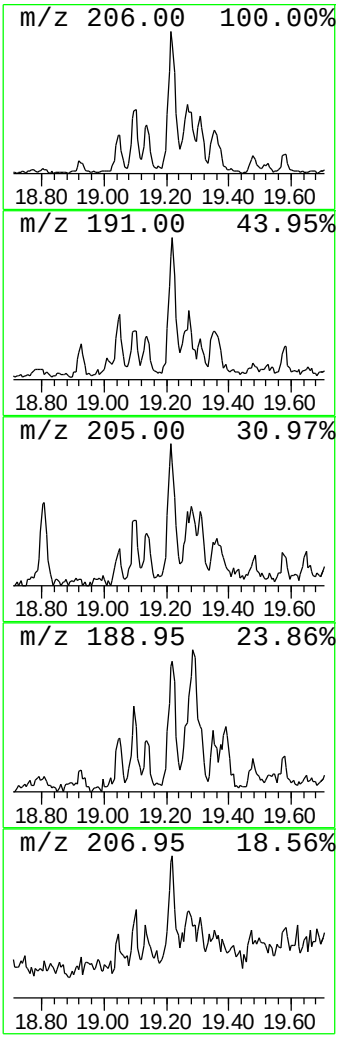
Peak Number 10 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	5.55 ng	148420	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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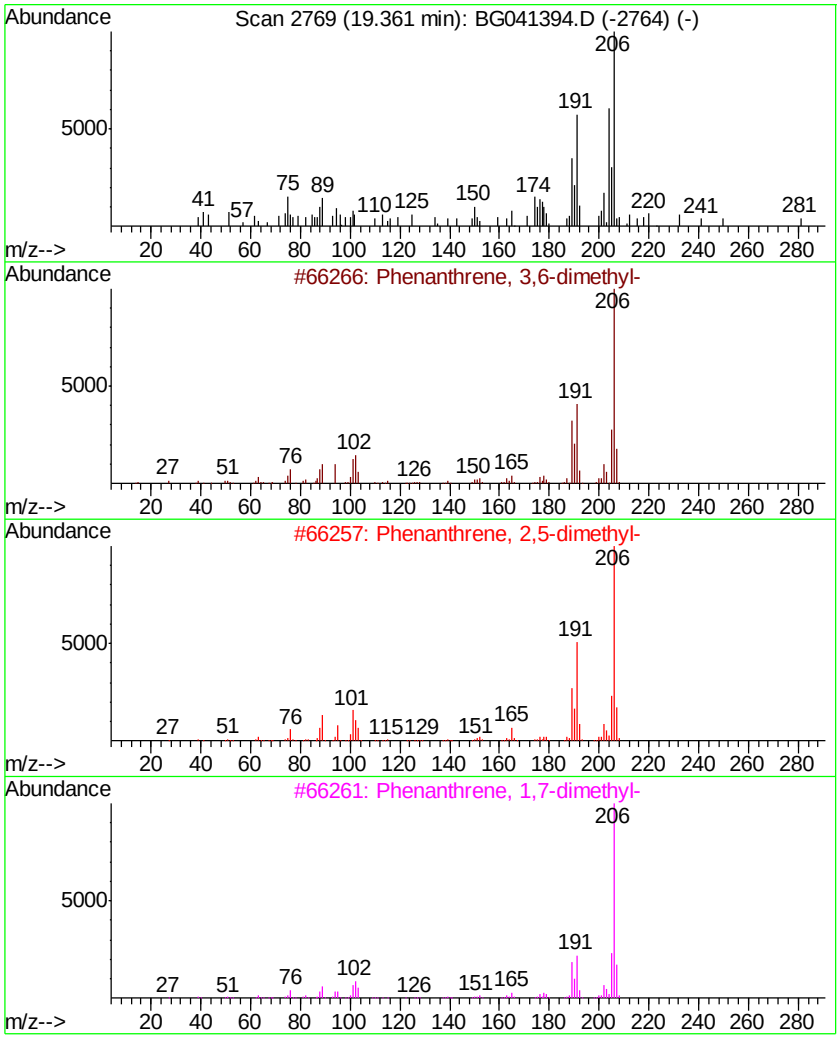
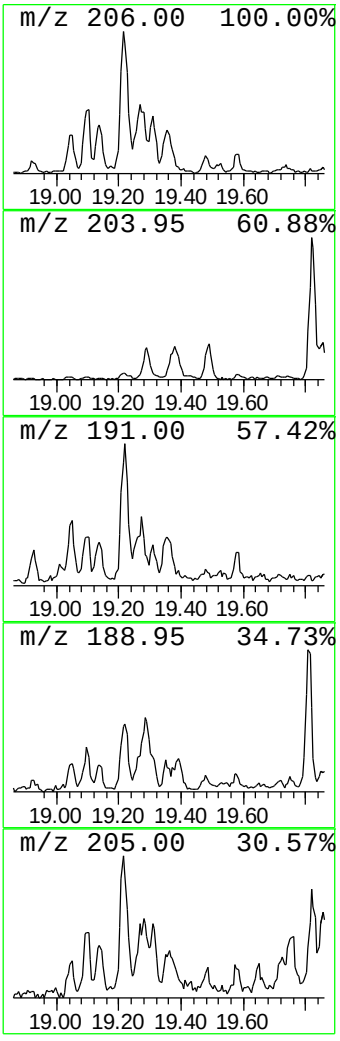
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	3.33 ng	88988	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	62
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	62





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ALS Vial : 15 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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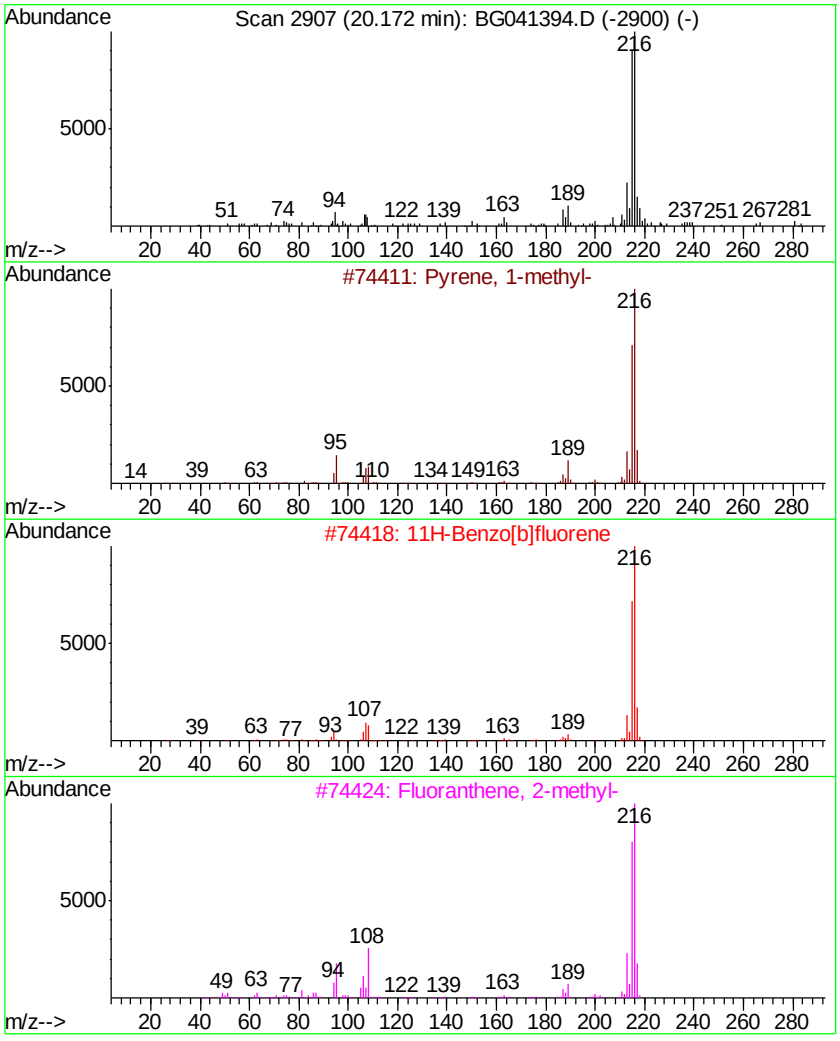
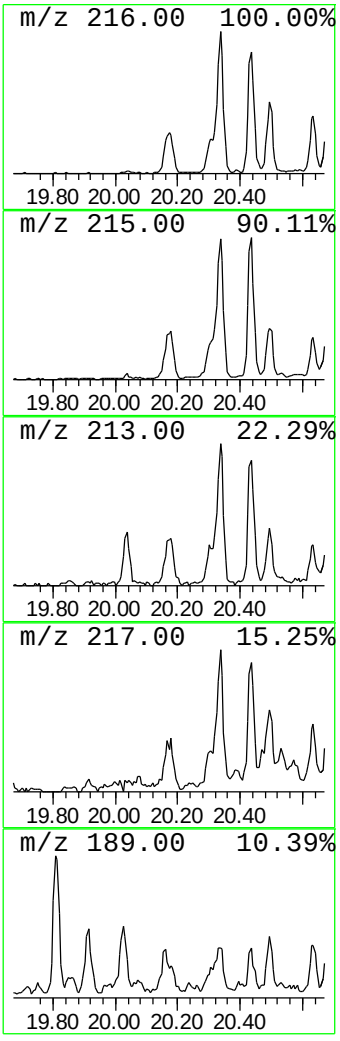
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.43 ng	151465	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
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	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : OR-02-061919-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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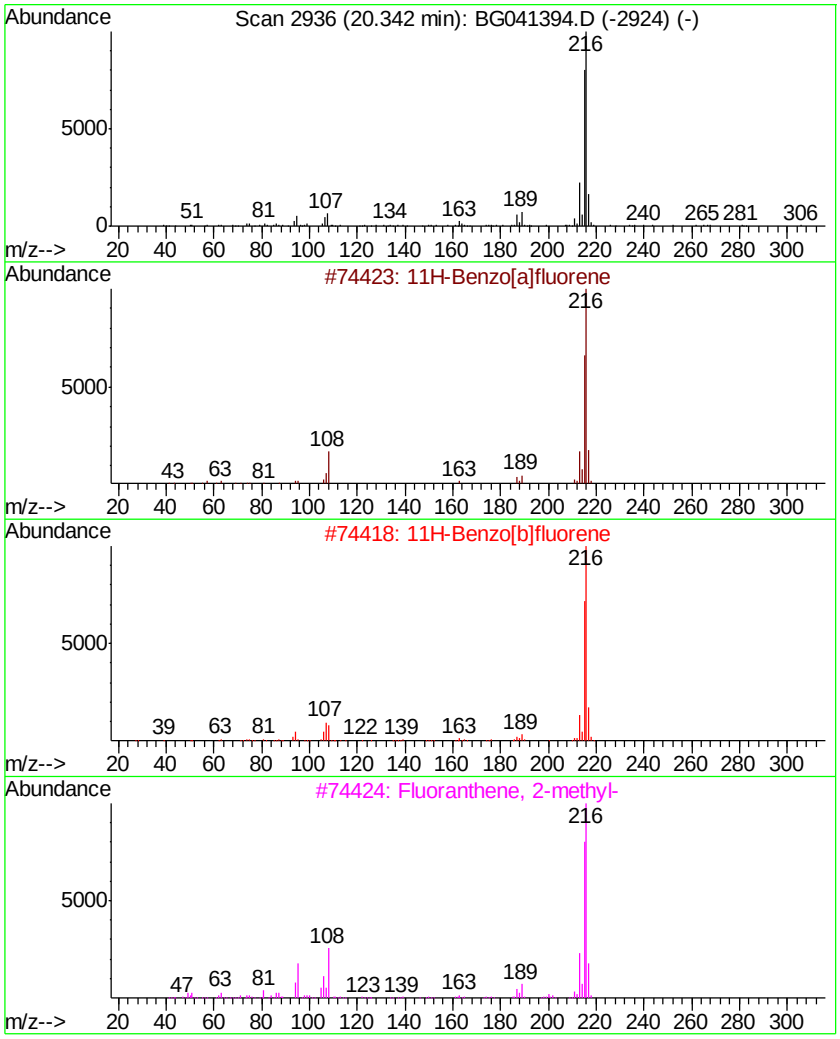
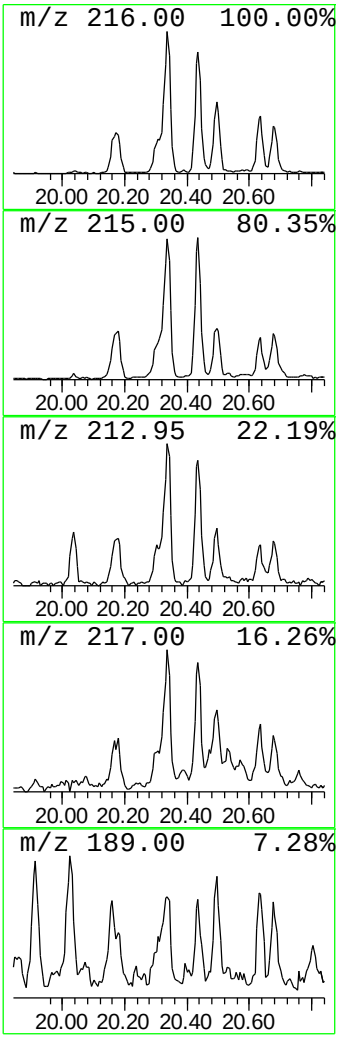
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	5.27 ng	328627	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Instrument : BNA_G
ClientSampleId : OR-02-061919-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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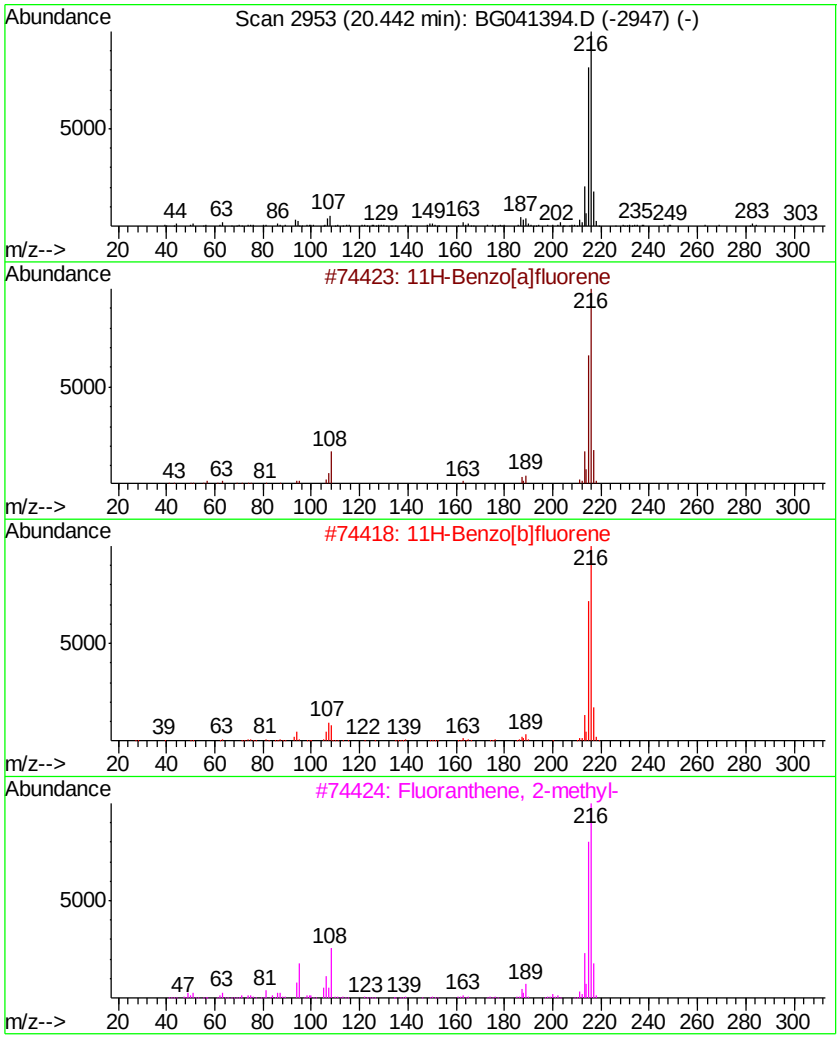
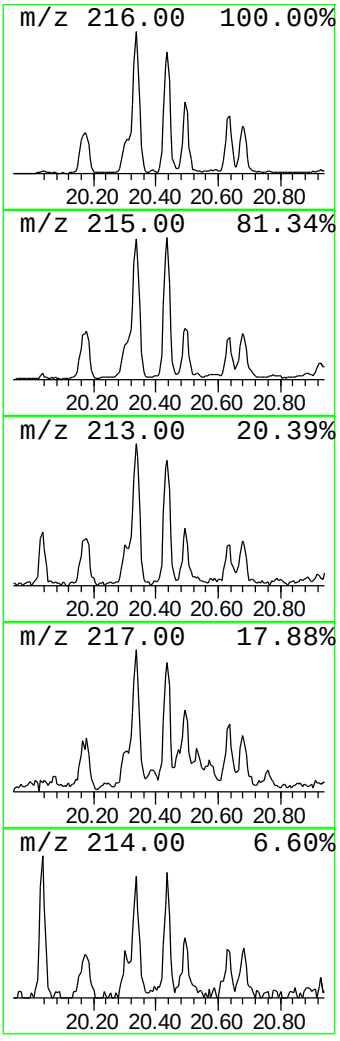
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	3.10 ng	193313	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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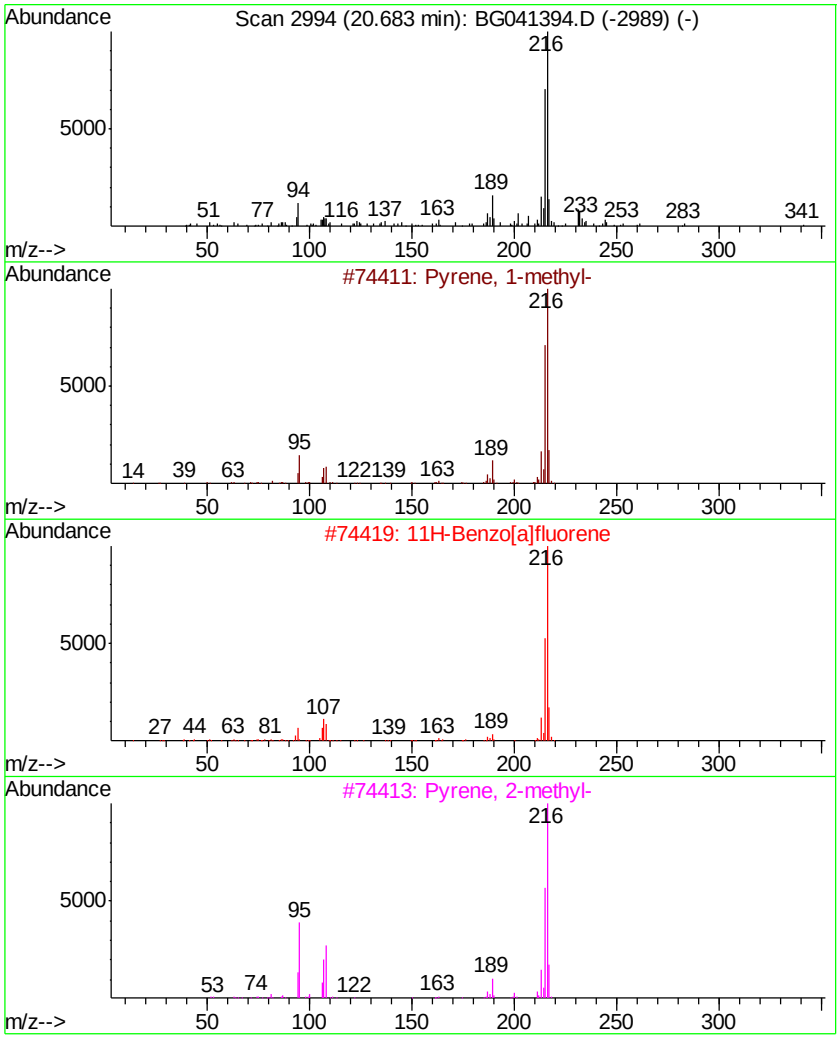
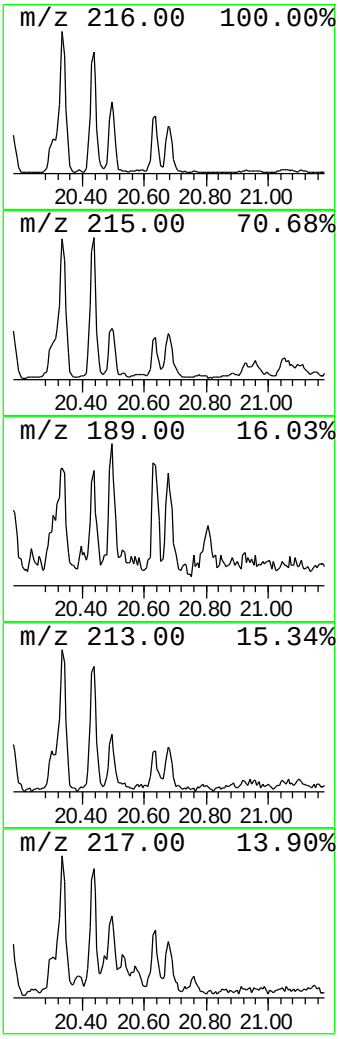
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	2.15 ng	133979	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





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Instrument : BNA_G
ClientSampleId : OR-02-061919-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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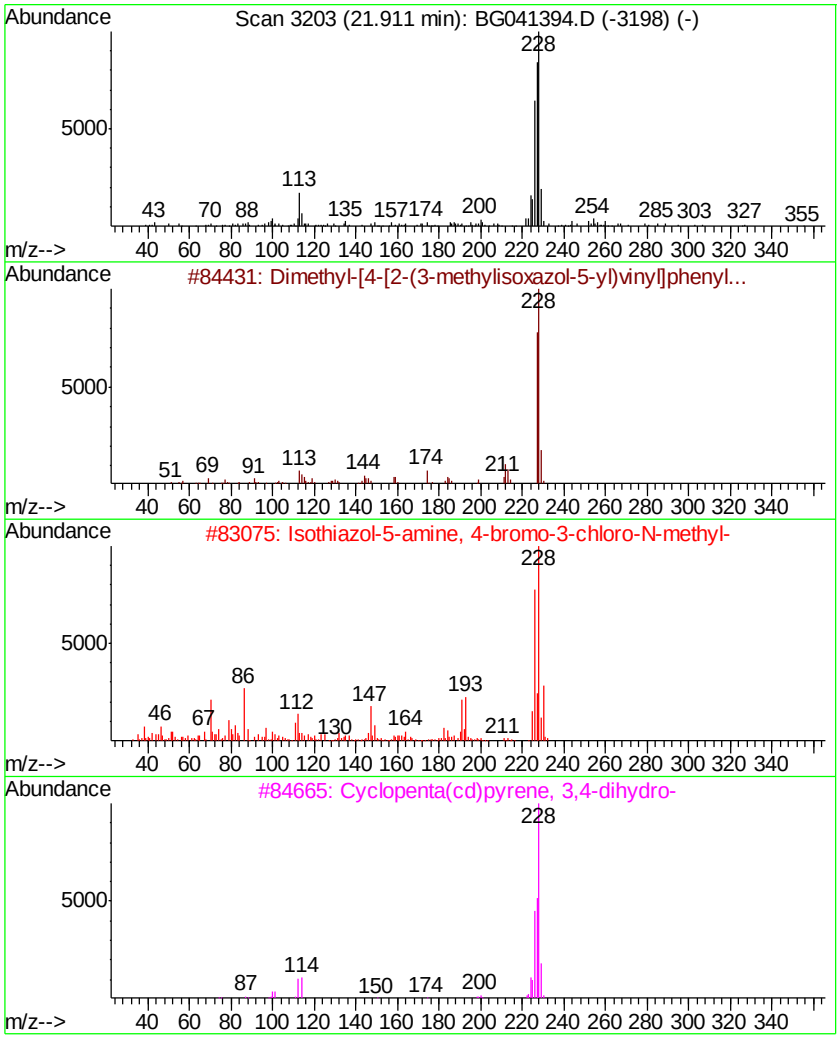
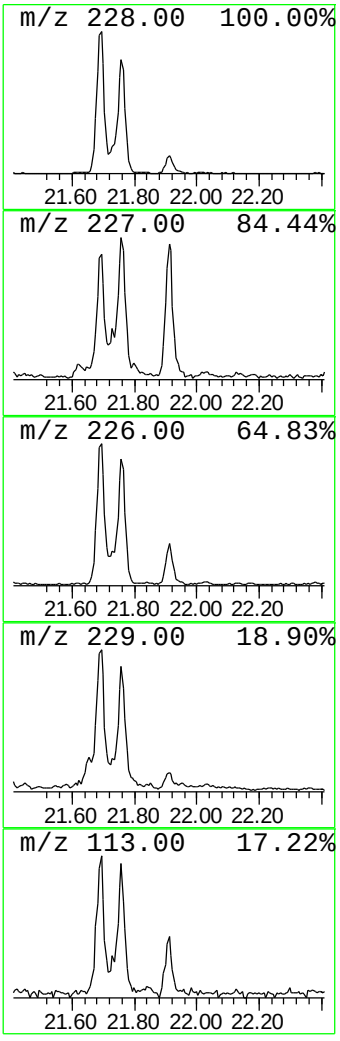
Peak Number 17 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.91	2.07 ng	128837	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Triphenylene	228	C18H12	000217-59-4	38





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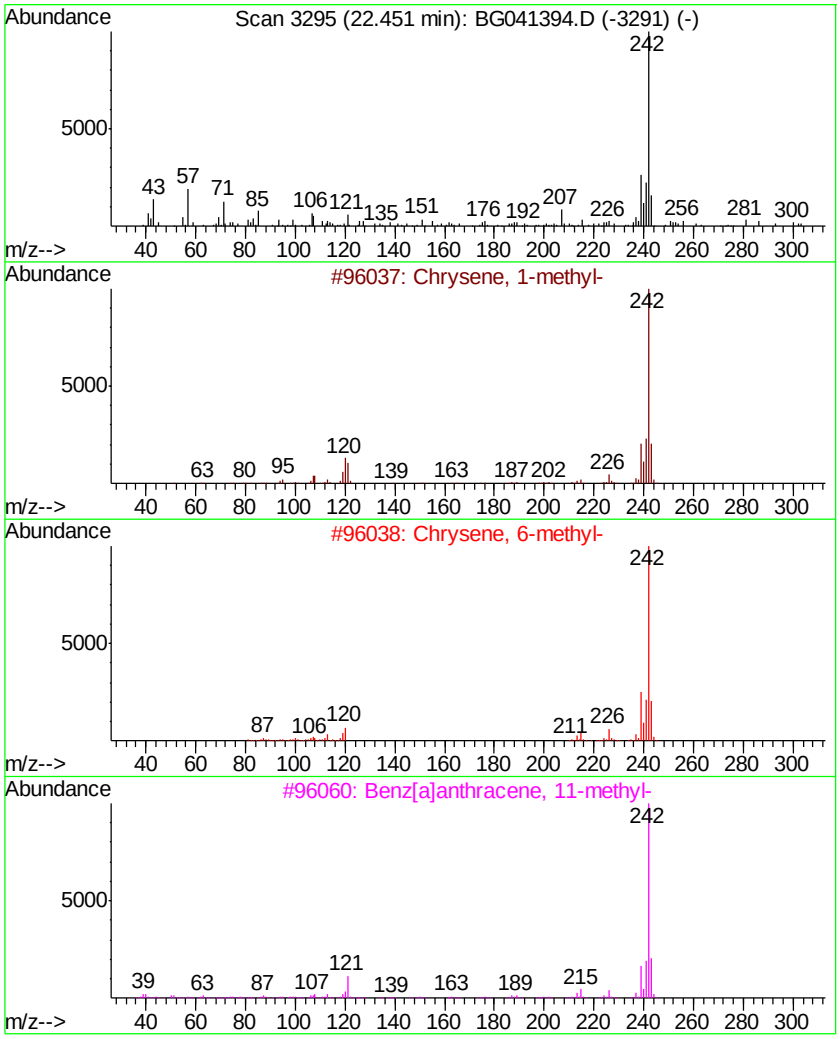
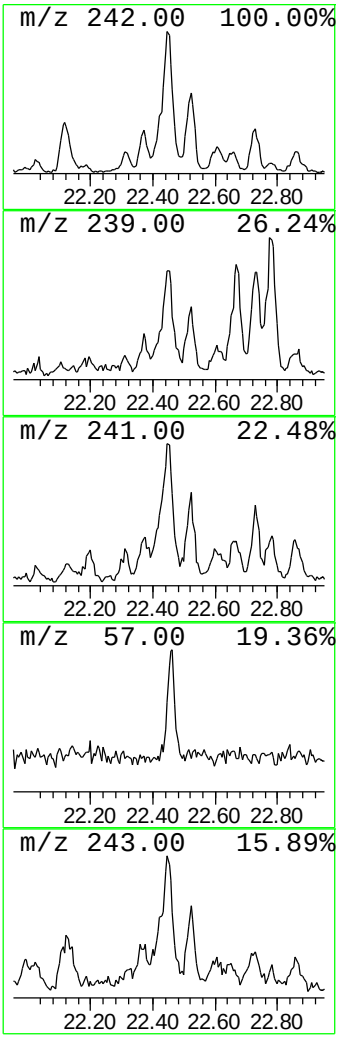
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	2.03 ng	126325	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	76
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	76
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76
5	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	68





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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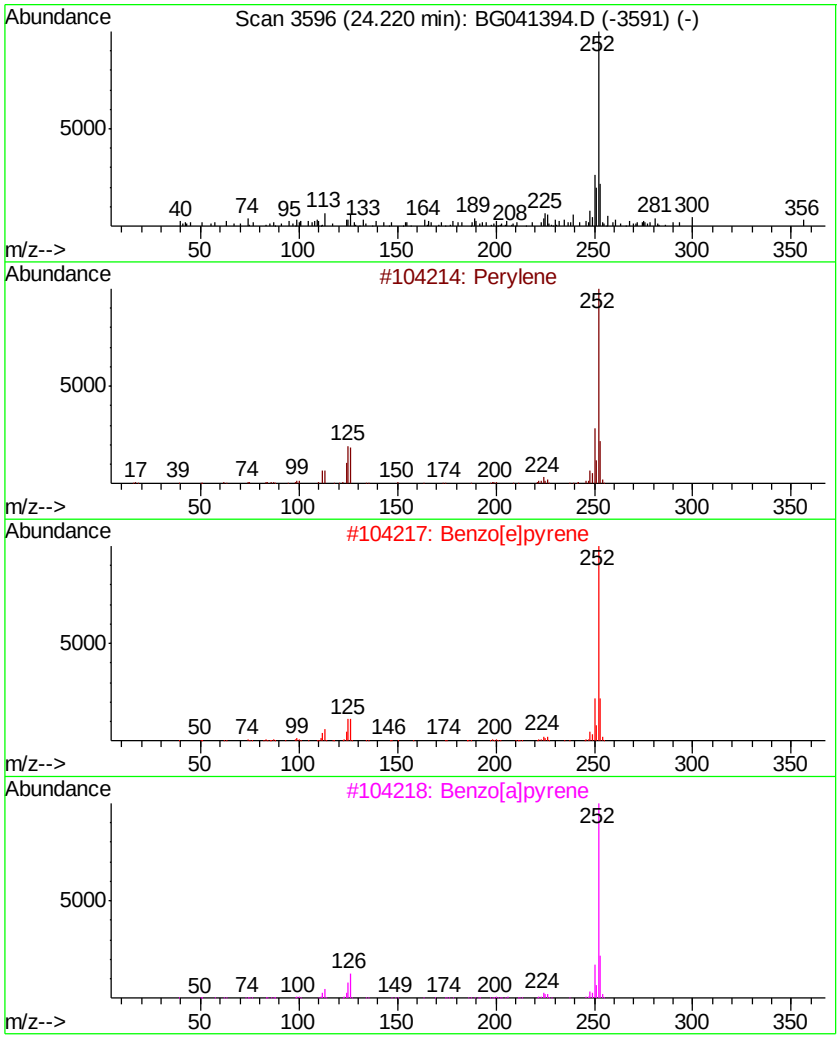
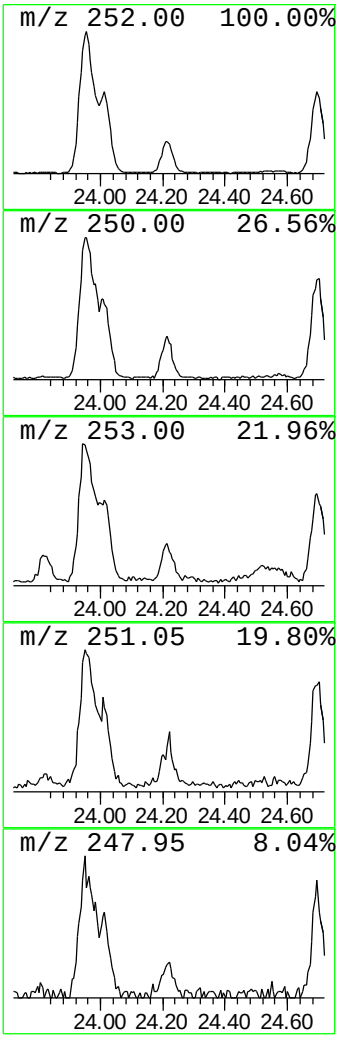
Peak Number 19 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.22	4.34 ng	103740	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	62
2	Benzo[e]pyrene	252	C20H12	000192-97-2	62
3	Benzo[a]pyrene	252	C20H12	000050-32-8	58
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	58
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062119\
Data File : BG041394.D
Acq On : 22 Jun 2019 4:00
Operator : HP/JU
Sample : K3159-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-061919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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
unknown7.58	7.58	46.2	ng	418835	1	8.05	181345	20.0
Dibenzothiophene	17.26	2.2	ng	58226	4	17.44	534538	20.0
5H-Indeno[1,2-b]p...	17.85	2.0	ng	54684	4	17.44	534538	20.0
Anthracene, 2-met...	18.31	6.3	ng	169448	4	17.44	534538	20.0
Phenanthrene, 1-m...	18.36	6.5	ng	172781	4	17.44	534538	20.0
Naphtho[2,3-b]nor...	18.44	2.6	ng	68826	4	17.44	534538	20.0
4H-Cyclopenta[def...	18.51	11.1	ng	295858	4	17.44	534538	20.0
5,16[1',2']:8,13[...	18.80	3.7	ng	98410	4	17.44	534538	20.0
di-p-Tolylacetylene	19.21	5.5	ng	148420	4	17.44	534538	20.0
Phenanthrene, 3,6...	19.36	3.3	ng	88988	4	17.44	534538	20.0
Pyrene, 1-methyl-	20.17	2.4	ng	151465	5	21.71	1246240	20.0
11H-Benzo[a]fluorene	20.34	5.3	ng	328627	5	21.71	1246240	20.0
11H-Benzo[b]fluorene	20.44	3.1	ng	193313	5	21.71	1246240	20.0
Pyrene, 2-methyl-	20.68	2.1	ng	133979	5	21.71	1246240	20.0
Dimethyl-[4-[2-(3...	21.91	2.1	ng	128837	5	21.71	1246240	20.0
Chrysene, 1-methyl-	22.45	2.0	ng	126325	5	21.71	1246240	20.0
Perylene	24.22	4.3	ng	103740	6	25.01	478536	20.0