LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

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-BG082219.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	3.120	3	5	26	rVB	566920	771716	22.69%	2.150%
2	5.558	413	420	432	rBV	546862	927570	27.28%	2.585%
3	7.162	685	693	713	rBV	571849	1046804	30.78%	2.917%
4	7.532	748	756	774	rBV	615517	1064090	31.29%	2.965%
5	7.996	829	835	844	rVB	115555	197151	5.80%	0.549%
6	8.325	883	891	902	rBV	509507	897096	26.38%	2.500%
7	9.166	1026	1034	1050	rBV	339367	634838	18.67%	1.769%
8	10.822	1308	1316	1331	rBV	135211	262242	7.71%	0.731%
9	13.278	1726	1734	1751	rBV	1049133	1757641	51.69%	4.898%
10	14.107	1868	1875	1882	rBV	62498	103146	3.03%	0.287%
11	14.659	1960	1969	1975	rBV	257021	422620	12.43%	1.178%
12	14.724	1975	1980	1987	rVB	57595	98730	2.90%	0.275%
13	15.059	2027	2037	2043	rBV2	33197	60389	1.78%	0.168%
14	15.446	2094	2103	2107	rBV6	15898	38580	1.13%	0.108%
15	15.705	2140	2147	2152	rBV3	50971	87192	2.56%	0.243%
16	15.999	2193	2197	2207	rVB3	24595	59462	1.75%	0.166%
17	16.151	2215	2223	2232	rBV	1019328	1661608	48.86%	4.630%
18	16.381	2253	2262	2268	rVB7	23385	53621	1.58%	0.149%
19	16.762	2323	2327	2332	rVB4	20943	35175	1.03%	0.098%
20	17.062	2374	2378	2384	rBV3	27651	45690	1.34%	0.127%
21	17.162	2384	2395	2401	rVV5	31192	87391	2.57%	0.244%
22	17.227	2402	2406	2414	rVB	35909	64837	1.91%	0.181%
23	17.409	2431	2437	2440	rBV2	374977	573606	16.87%	1.598%
24	17.450	2440	2444	2451	rVV	664036	1021260	30.03%	2.846%
25	17.538	2452	2459	2465	rVV	157368	285981	8.41%	0.797%
26	17.609	2465	2471	2475	rVB3	18801	37254	1.10%	0.104%
27	17.814	2501	2506	2516	rVB2	49225	85453	2.51%	0.238%
28	18.284	2581	2586	2590	rBV	115236	174850	5.14%	0.487%
29	18.337	2590	2595	2602	rVB	159442	258870	7.61%	0.721%
30	18.419	2602	2609	2614	rBV	60726	118317	3.48%	0.330%
31	18.484	2614	2620	2624	rVV3	186777	390643	11.49%	1.089%
32	18.519	2624	2626	2633	rVB	102172	120841	3.55%	0.337%
33	18.784	2666	2671	2675	rBV	95110	144998	4.26%	0.404%
34	18.825	2675	2678	2688	rVB3	65978	112717	3.31%	0.314%

LSC Area Percent Report

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Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

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-BG082219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.907	2688	2692	2699	rVB3	26819	40520	1.19%	0.113%
36	19.030	2710	2713	2718	rVV2	41844	49059	1.44%	0.137%
37	19.119	2725	2728	2731	rVB	30614	37475	1.10%	0.104%
38	19.201	2737	2742	2747	rBV2	99658	168291	4.95%	0.469%
39	19.342	2761	2766	2774	rVB2	79838	152413	4.48%	0.425%
40	19.465	2781	2787	2793	rBV	1490384	2113034	62.14%	5.888%
41	19.559	2800	2803	2807	rVB	44621	59560	1.75%	0.166%
42	19.659	2815	2820	2824	rBV6	22614	52863	1.55%	0.147%
43	19.706	2825	2828	2831	rVV	34696	41845	1.23%	0.117%
44	19.794	2837	2843	2844	rBV	361937	448019	13.17%	1.248%
45	19.824	2844	2848	2856	rVV	1175578	1904754	56.01%	5.308%
46	19.894	2856	2860	2867	rVB2	86310	145226	4.27%	0.405%
47	20.023	2874	2882	2886	rBV	2552239	3400654	100.00%	9.476%
48	20.065	2886	2889	2897	rVB	74580	122145	3.59%	0.340%
49	20.141	2897	2902	2903	rBV2	102097	138985	4.09%	0.387%
50	20.282	2921	2926	2928	rBV3	83954	151885	4.47%	0.423%
51	20.317	2928	2932	2937	rVB	214063	318656	9.37%	0.888%
52	20.417	2944	2949	2952	rBV	105151	145998	4.29%	0.407%
53	20.476	2952	2959	2962	rVV2	145804	272869	8.02%	0.760%
54	20.511	2962	2965	2969	rVV	74025	93009	2.74%	0.259%
55	20.552	2969	2972	2977	rVB2	44089	57517	1.69%	0.160%
56	20.617	2978	2983	2986	rBV	89717	130982	3.85%	0.365%
57	20.658	2986	2990	2994	rVB2	84065	117294	3.45%	0.327%
58	21.034	3050	3054	3057	rBV4	26952	50225	1.48%	0.140%
59	21.081	3057	3062	3068	rVB	167248	276149	8.12%	0.770%
60	21.263	3085	3093	3096	rBV2	128572	280357	8.24%	0.781%
61	21.304	3096	3100	3105	rVV2	148996	351078	10.32%	0.978%
62	21.357	3106	3109	3114	rVV2	172581	329148	9.68%	0.917%
63	21.410	3114	3118	3128	rVB	167231	315133	9.27%	0.878%
64	21.669	3151	3162	3169	rBV4	941252	2477048	72.84%	6.903%
65	21.733	3169	3173	3186	rVB	645229	1158904	34.08%	3.229%
66	21.886	3193	3199	3206	rBV2	132559	237067	6.97%	0.661%
67	22.092	3228	3234	3241	rBV2	100797	224017	6.59%	0.624%
68	22.156	3242	3245	3251	rVB6	23273	44143	1.30%	0.123%
69	22.344	3273	3277	3281	rBV2	29280	48633	1.43%	0.136%
70	22.421	3285	3290	3295	rVV	110939	211343	6.21%	0.589%
71	22.491	3297	3302	3311	rVB	93716	171631	5.05%	0.478%

LSC Area Percent Report

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Sample : K4516-10
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	22.691	3332	3336	3340	rBV	48106	87666	2.58%	0.244%
73	22.838	3355	3361	3368	rVB4	47373	116248	3.42%	0.324%
74	23.184	3418	3420	3428	rVB2	57894	96370	2.83%	0.269%
75	23.895	3532	3541	3549	rBV	473558	1580715	46.48%	4.405%
76	24.154	3579	3585	3592	rBV	57368	127246	3.74%	0.355%
77	24.359	3614	3620	3626	rBV5	37373	106497	3.13%	0.297%
78	24.624	3656	3665	3678	rVB2	260905	804882	23.67%	2.243%
79	24.771	3680	3690	3703	rVB	342996	998921	29.37%	2.784%
80	24.924	3706	3716	3724	rBV2	333631	1029713	30.28%	2.869%
81	26.105	3911	3917	3925	rBV7	23671	62475	1.84%	0.174%
82	28.619	4334	4345	4366	rVB3	122971	635488	18.69%	1.771%
83	29.095	4419	4426	4427	rBV7	21980	43164	1.27%	0.120%
84	29.759	4529	4539	4540	rBV	75004	156011	4.59%	0.435%

Sum of corrected areas: 35885704

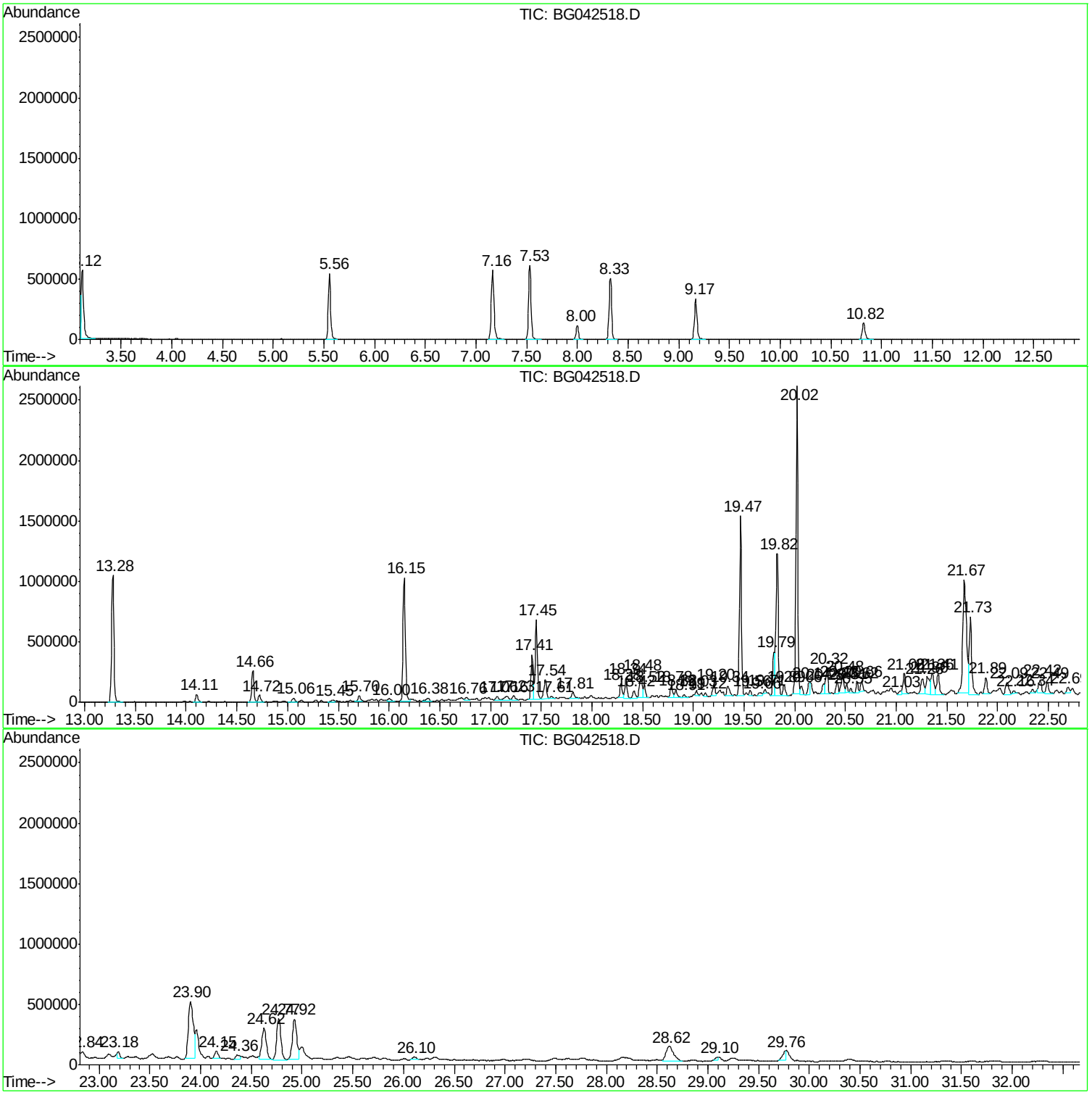
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.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\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

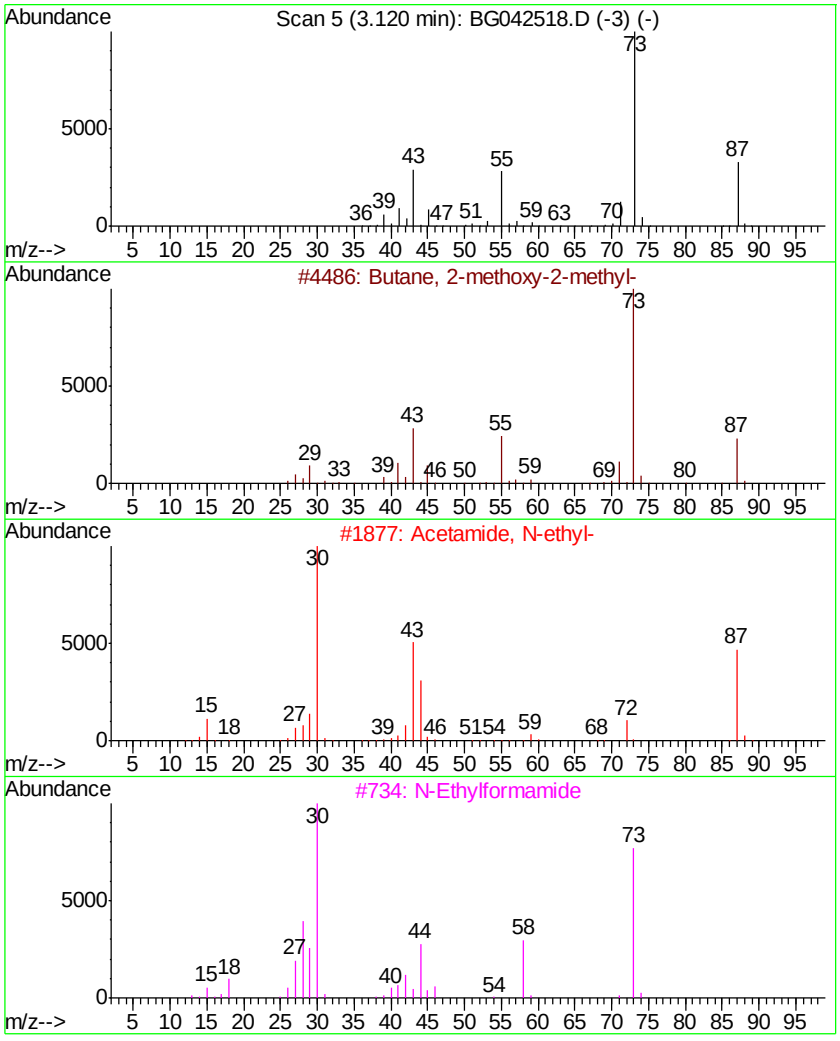
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

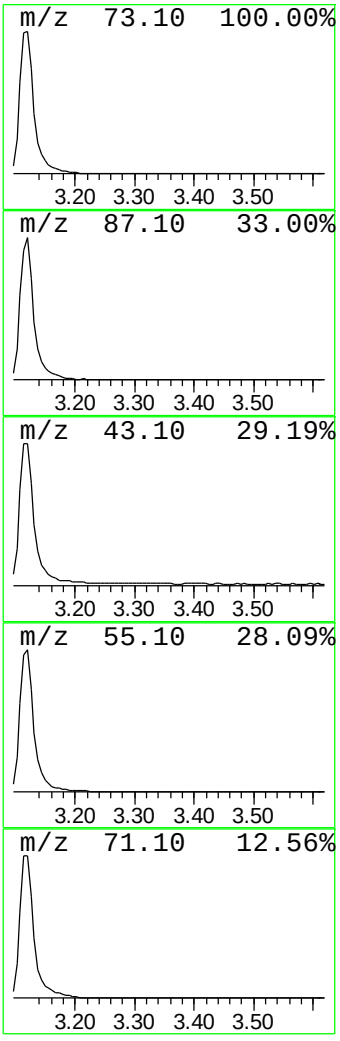
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	78.29 ng	771716	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

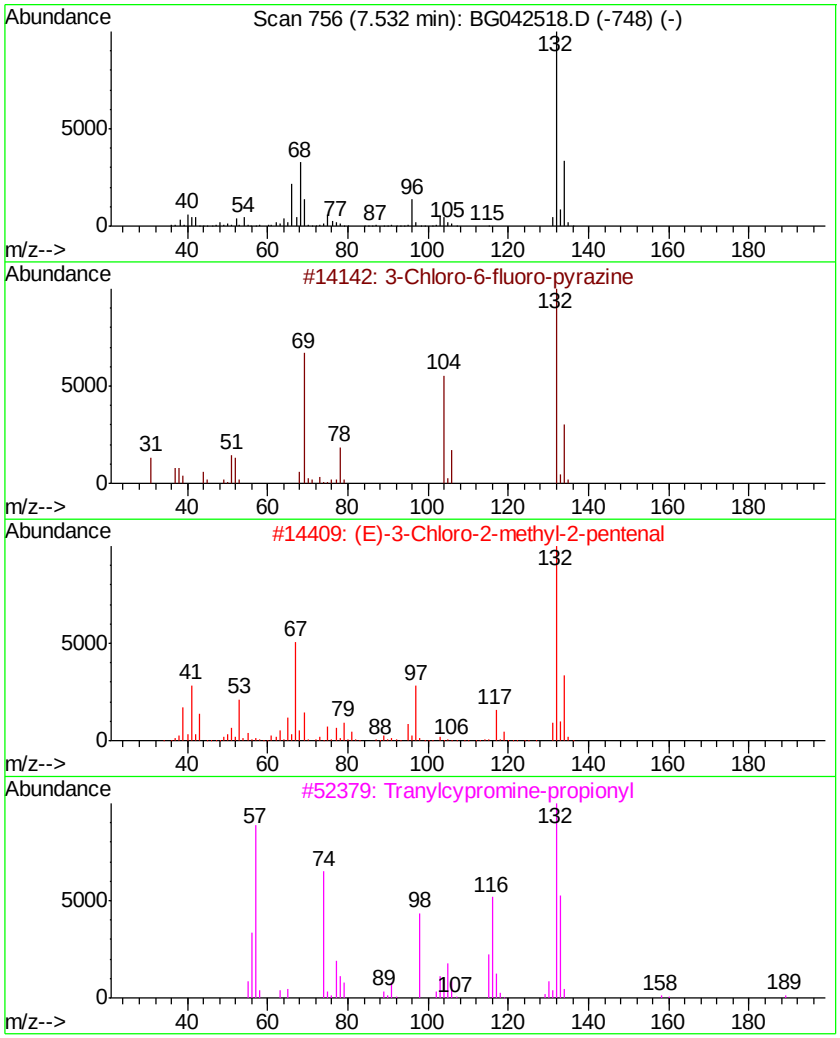
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

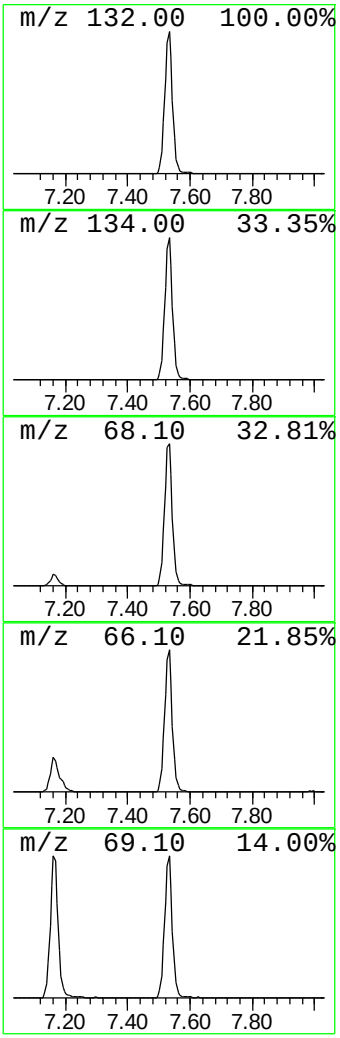
****

Peak Number 2 unknown7.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	107.95 ng	1064090	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Xenon	132	Xe	007440-63-3	9
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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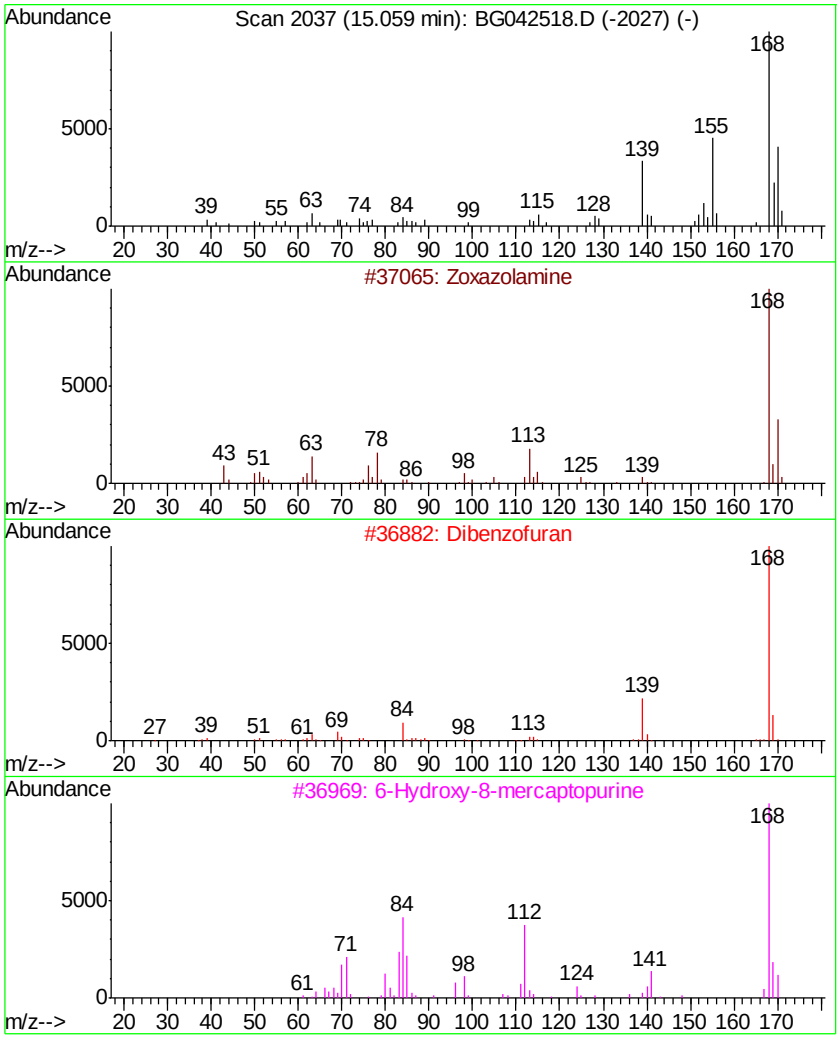
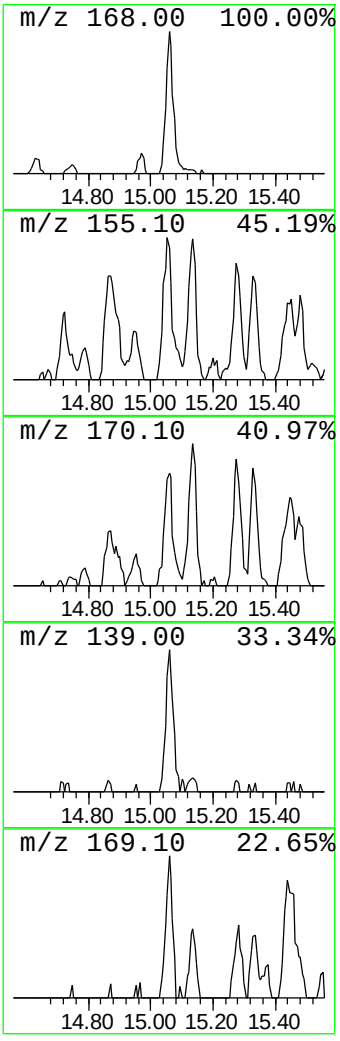
****

Peak Number 4 unknown15.06 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.86 ng	60389	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zoxazolamine	168	C7H5ClN2O	000061-80-3	43
2	Dibenzofuran	168	C12H8O	000132-64-9	38
3	6-Hydroxy-8-mercaptopurine	168	C5H4N4OS	006305-94-8	38
4	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	35
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	35





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Misc :
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Instrument : BNA_G
ClientSampleId : T1-S-S-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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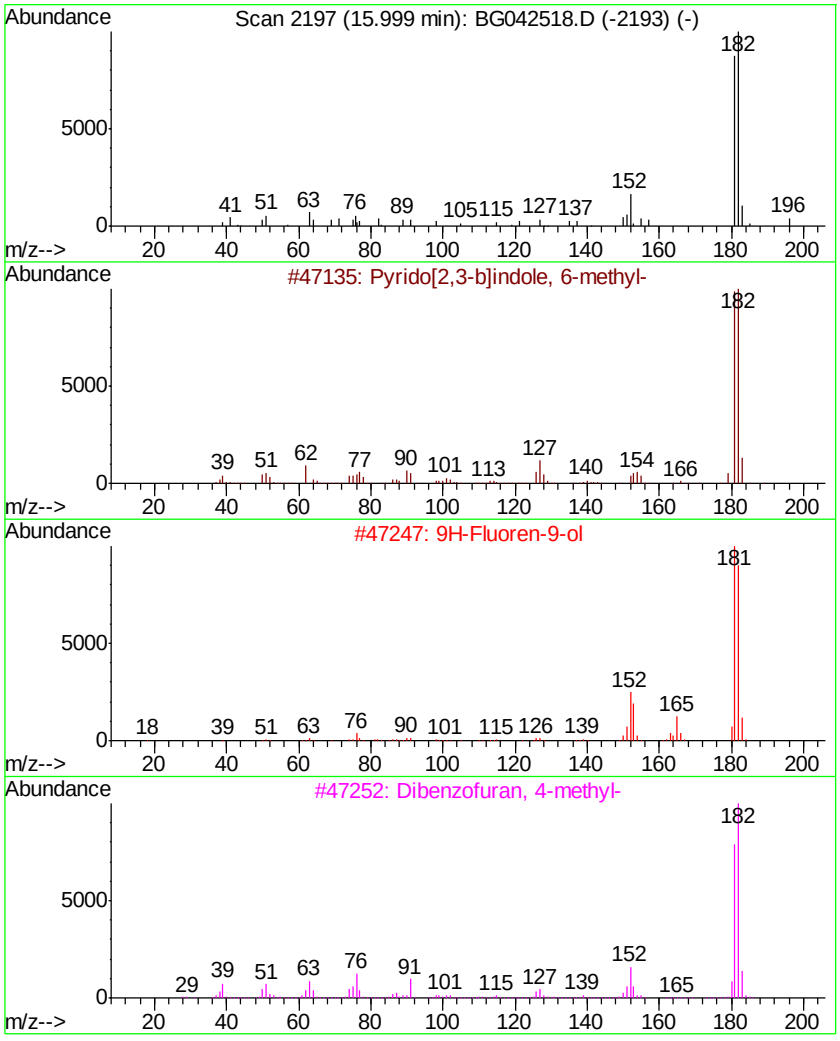
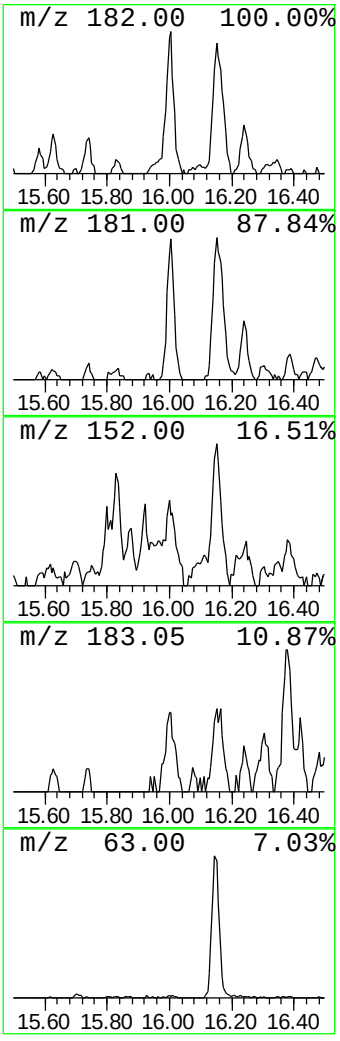
****

Peak Number 5 Pyrido[2,3-b]indole, 6-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.81 ng	59462	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	56
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	50
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	43





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Sample : K4516-10
Misc :
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Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

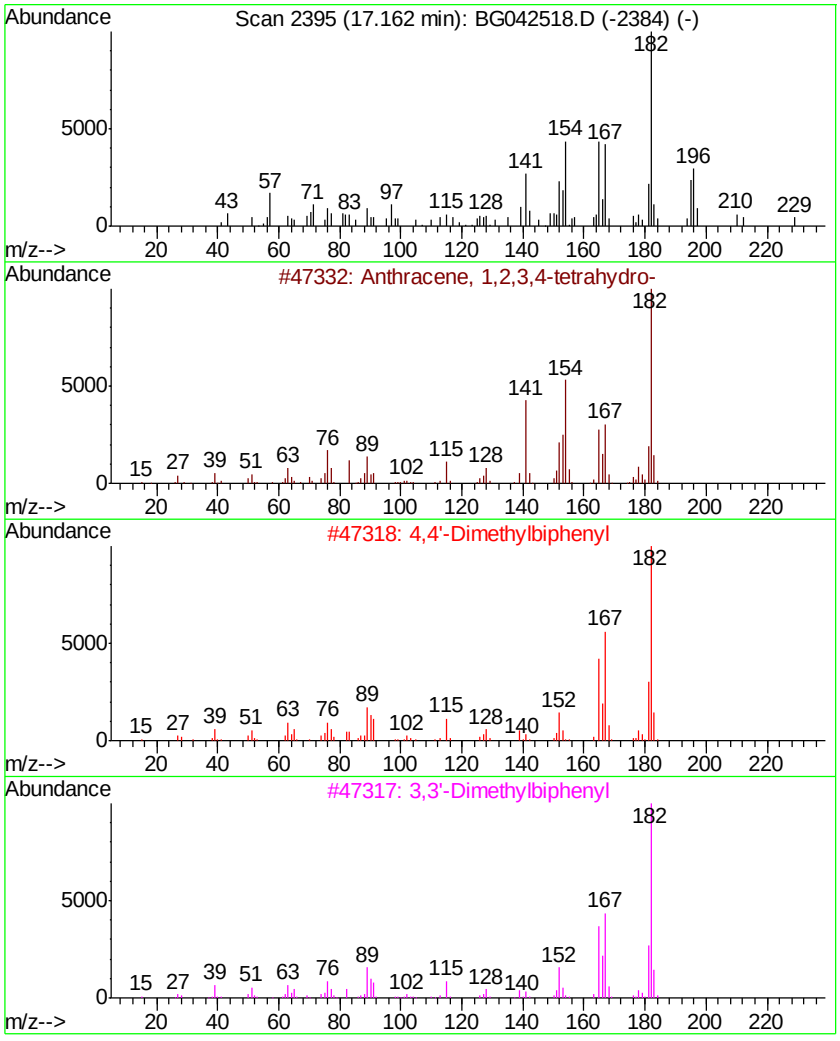
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

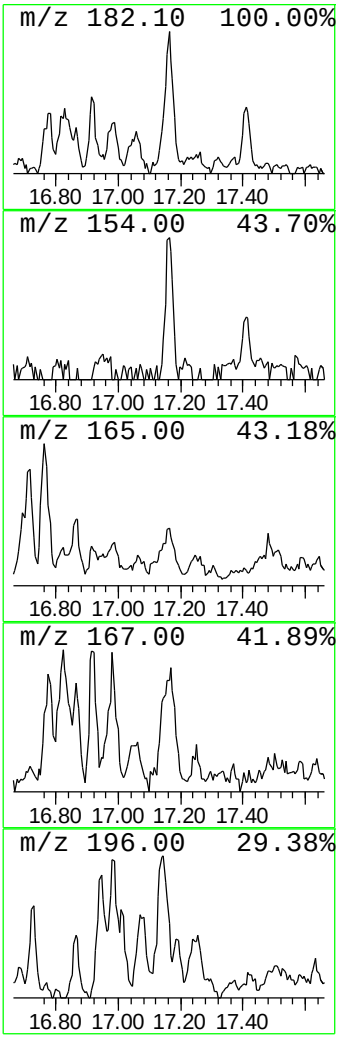
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	3.05 ng	87391	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	78
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	78
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	47
4	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	47
5	3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	46





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Misc :
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Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

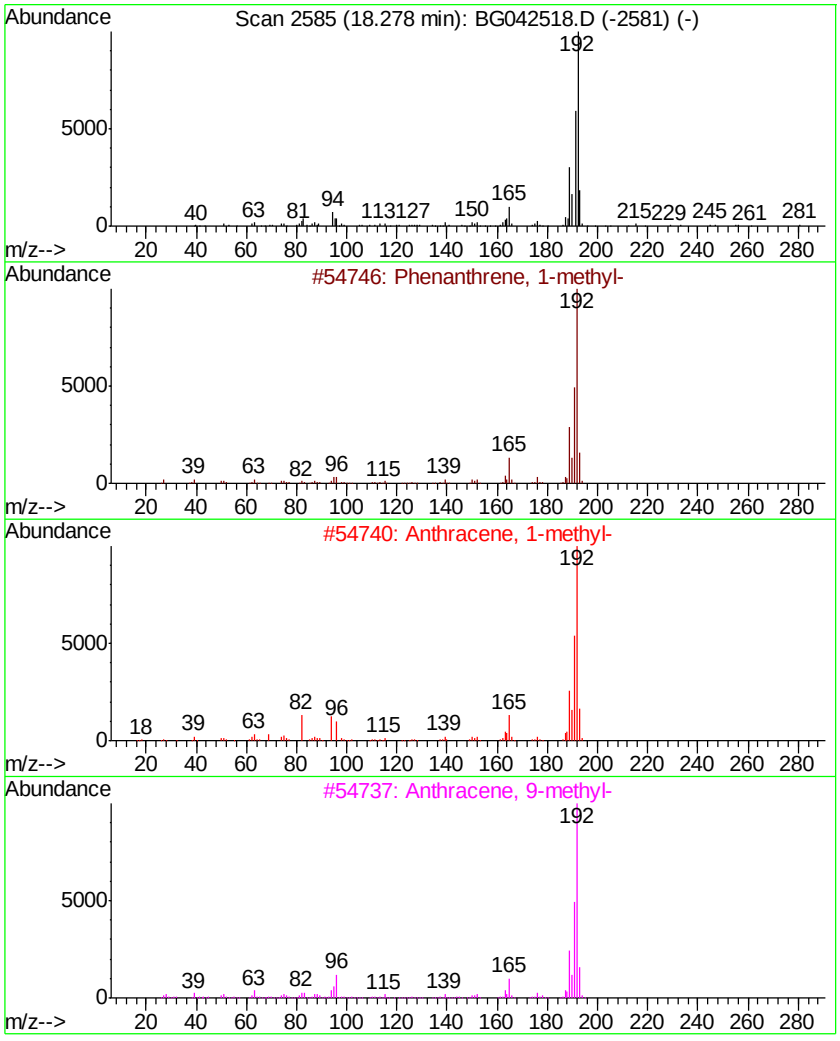
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

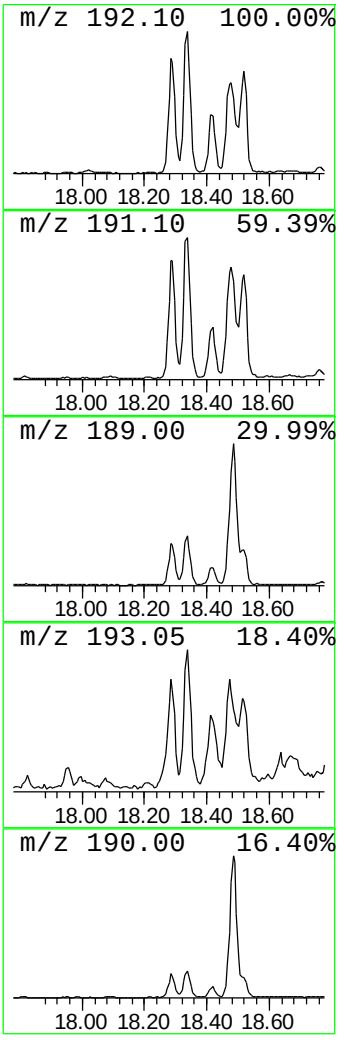
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	6.10 ng	174850	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83





Library Search Compound Report

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Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
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Instrument : BNA_G
ClientSampleId : T1-S-S-E

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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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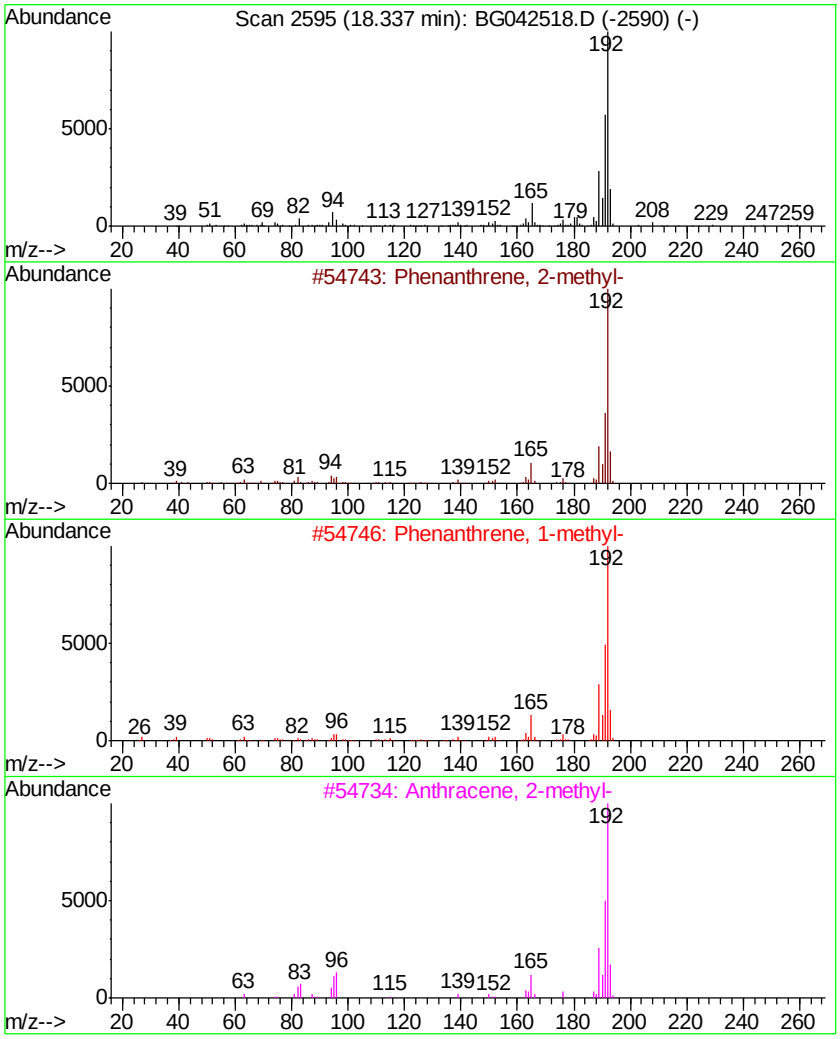
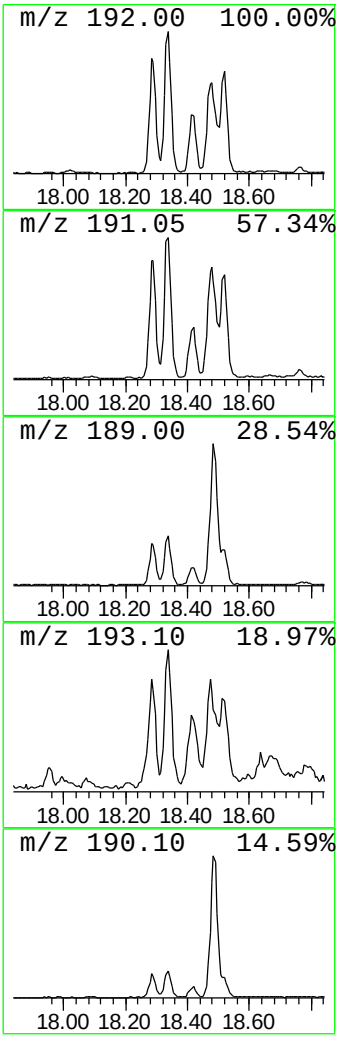
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	9.03 ng	258870	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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ClientSampleId : T1-S-S-E

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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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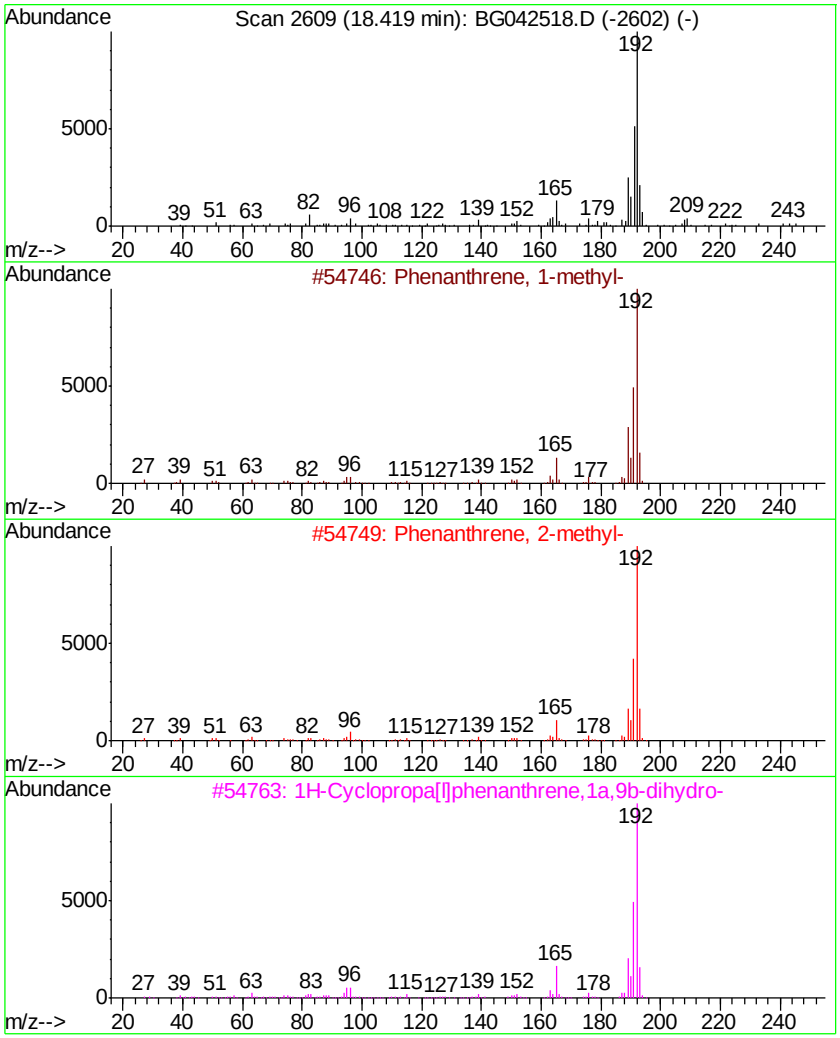
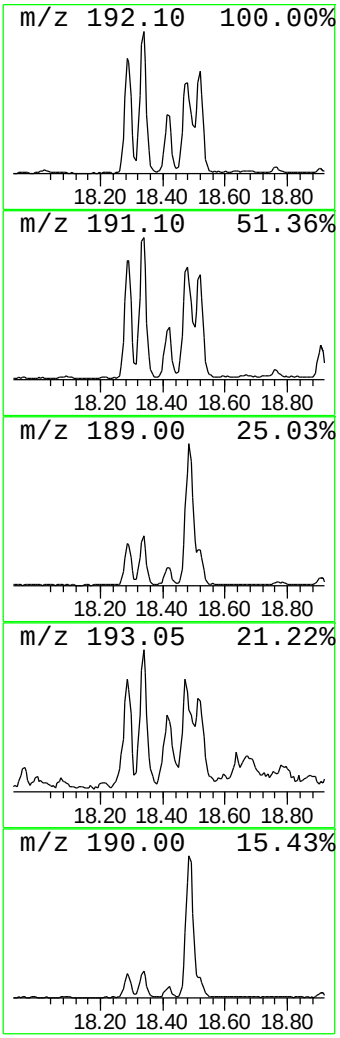
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.13 ng	118317	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Instrument : BNA_G
ClientSampleId : T1-S-S-E

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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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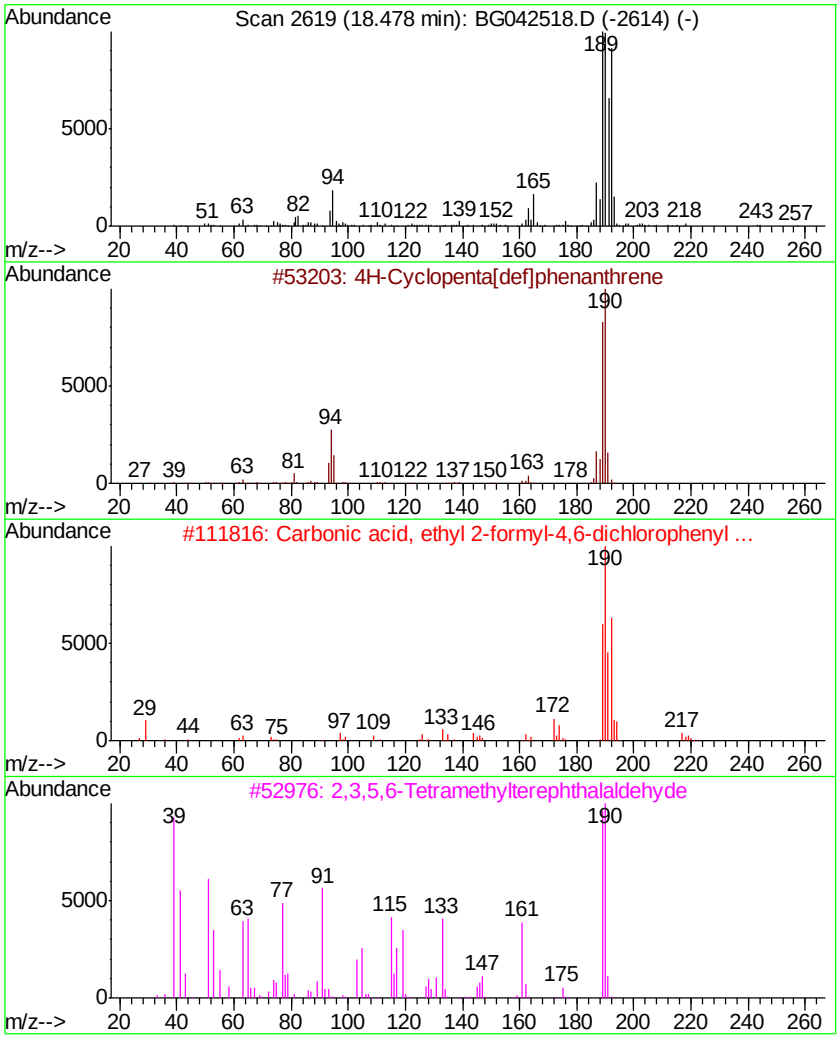
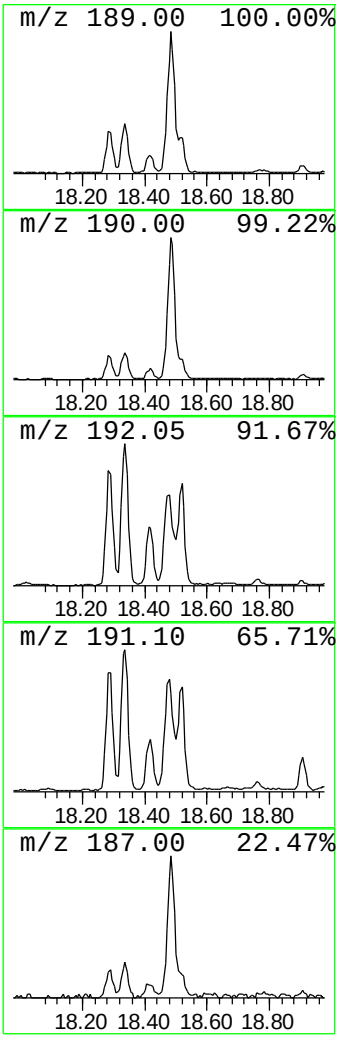
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	13.62 ng	390643	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25





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ClientSampleId : T1-S-S-E

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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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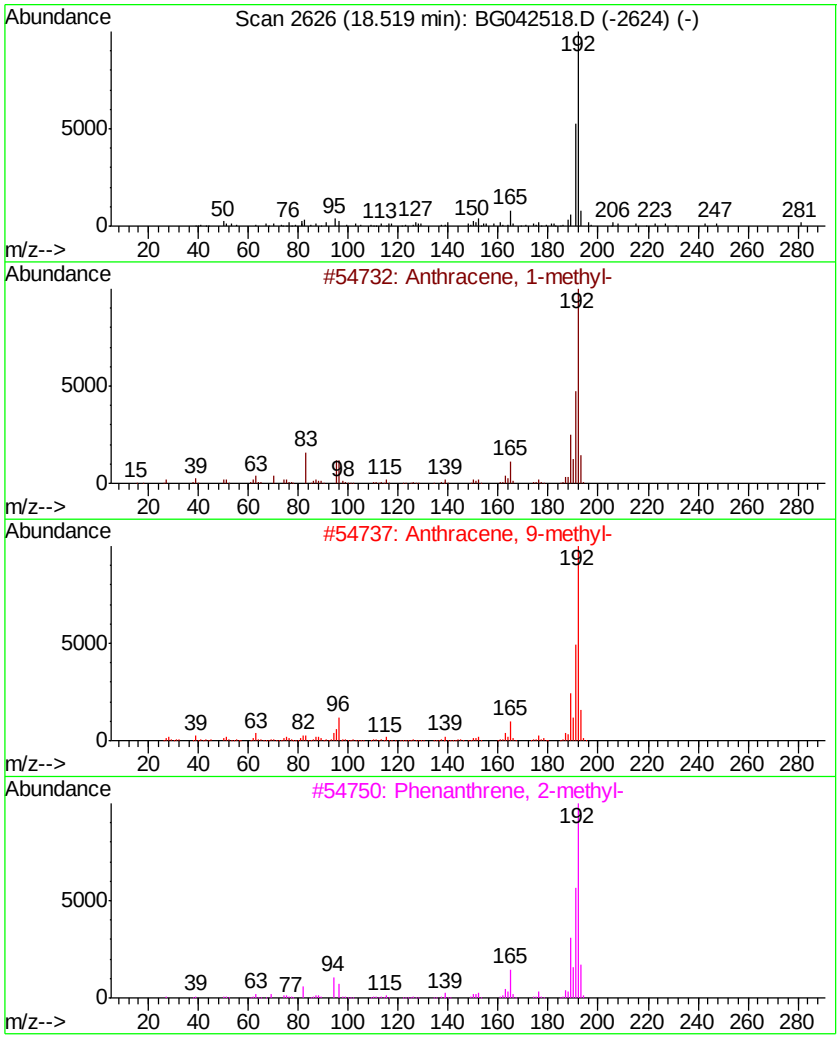
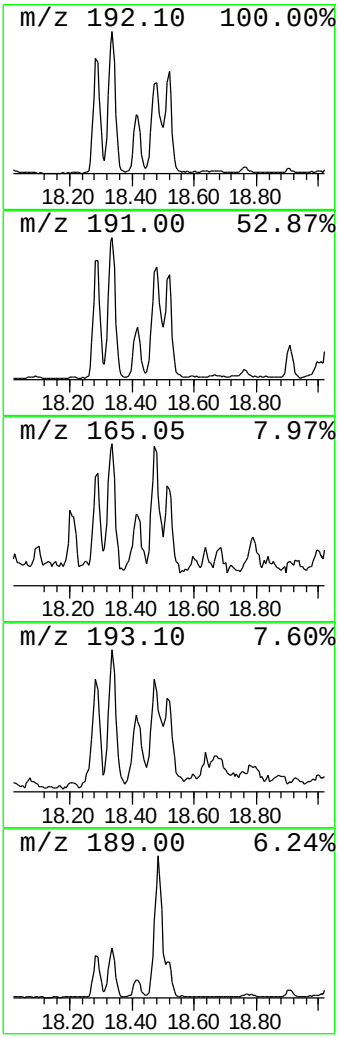
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	4.21 ng	120841	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	72





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Misc :
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ClientSampleId : T1-S-S-E

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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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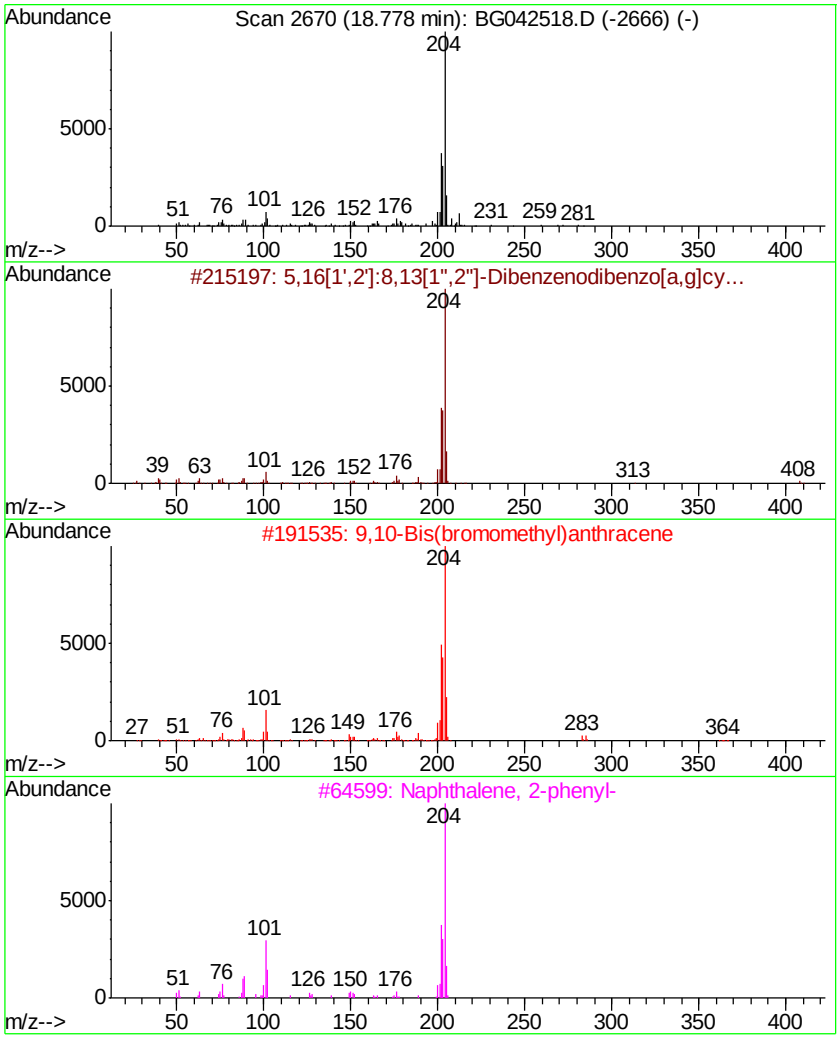
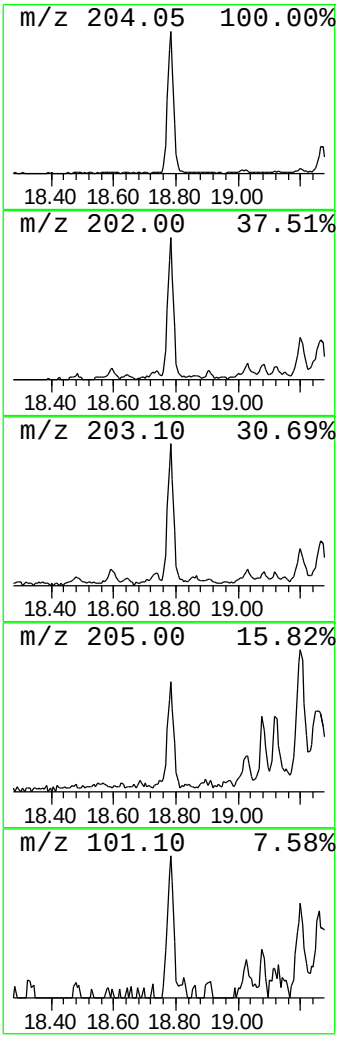
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	5.06 ng	144998	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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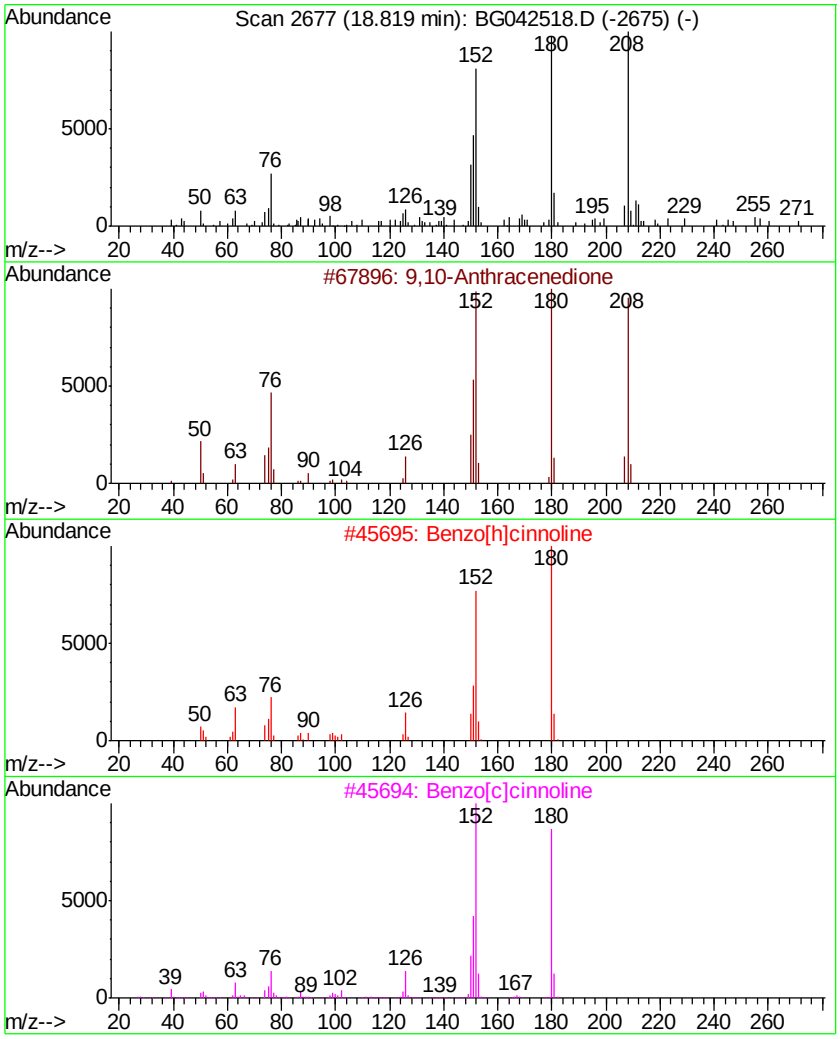
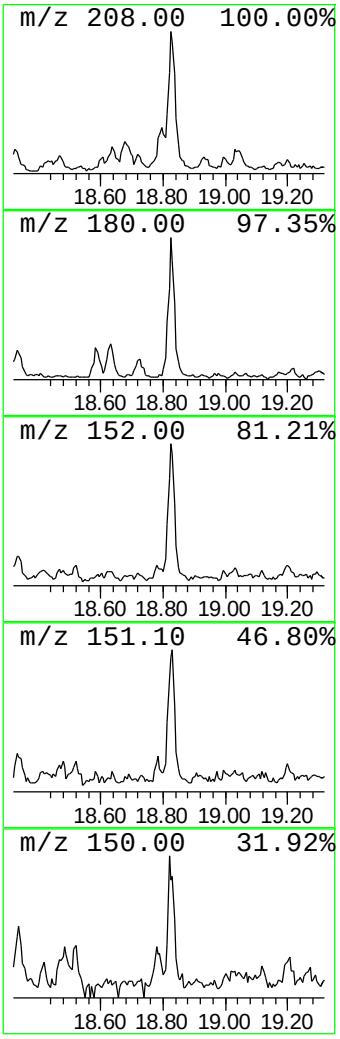
Peak Number 13 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.93 ng	112717	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53





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Misc :
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ClientSampleId : T1-S-S-E

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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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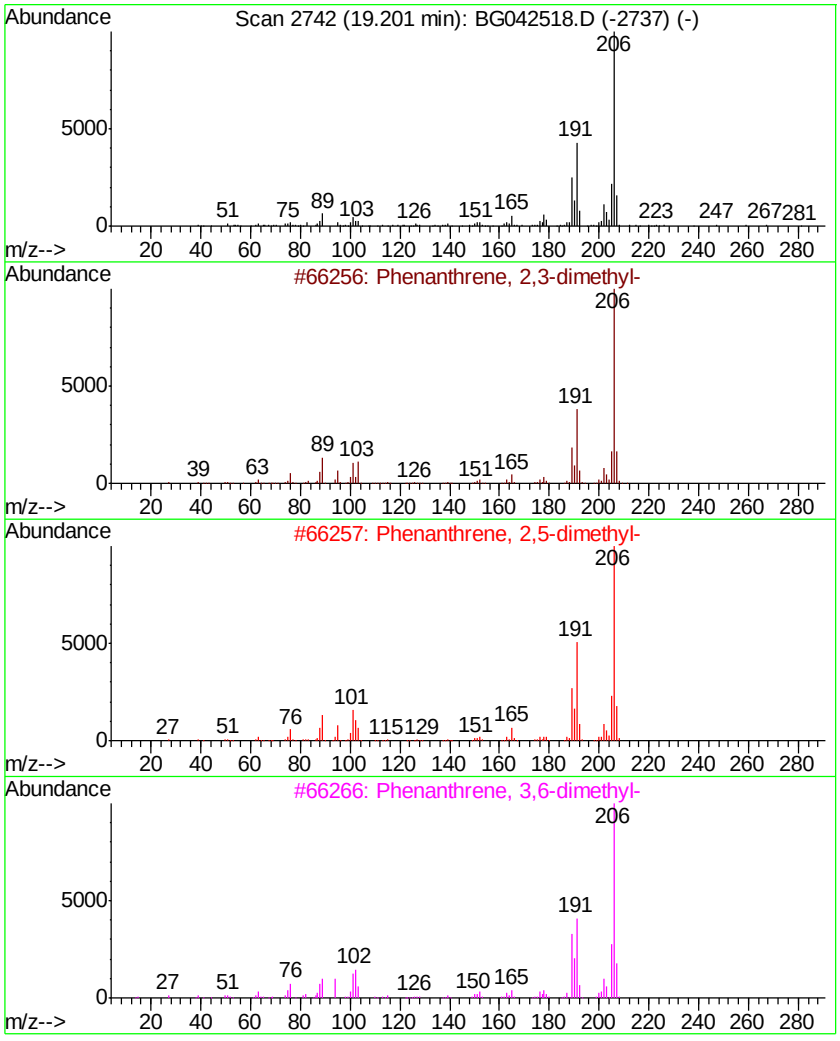
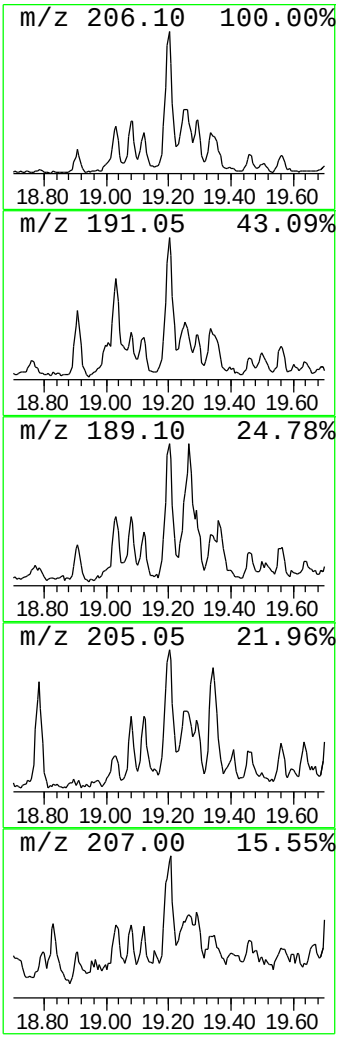
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	5.87 ng	168291	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80





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Sample : K4516-10
Misc :
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Instrument : BNA_G
ClientSampleId : T1-S-S-E

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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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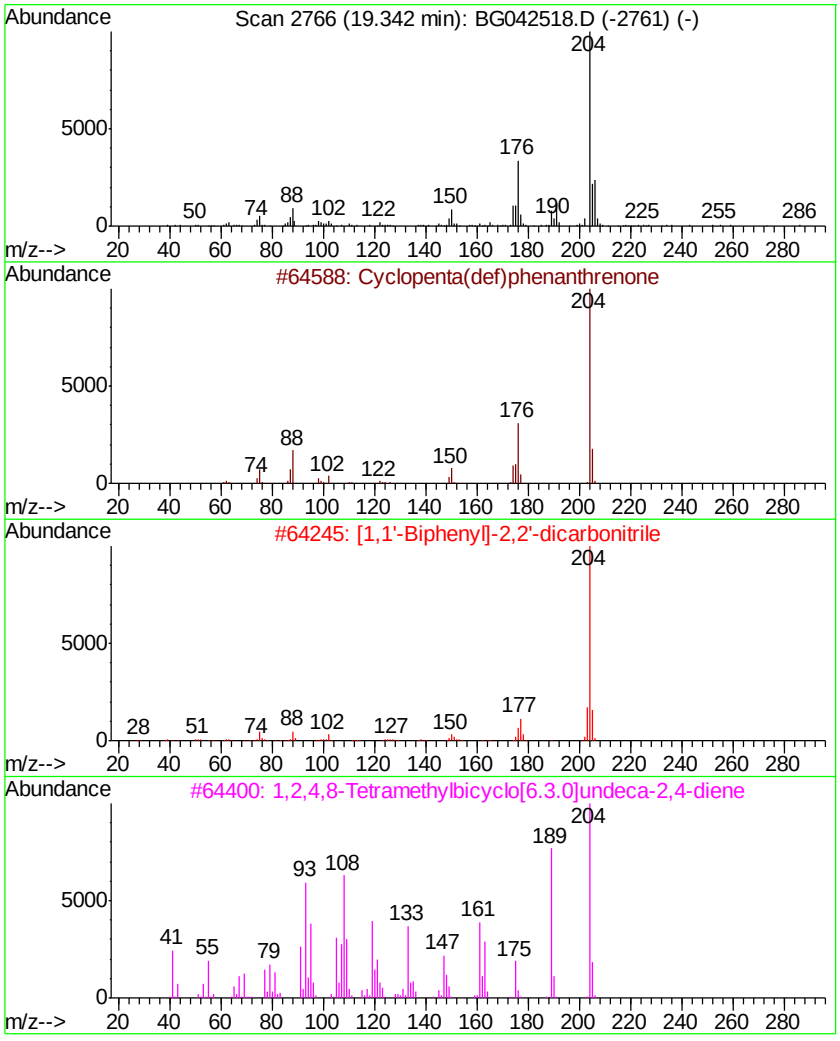
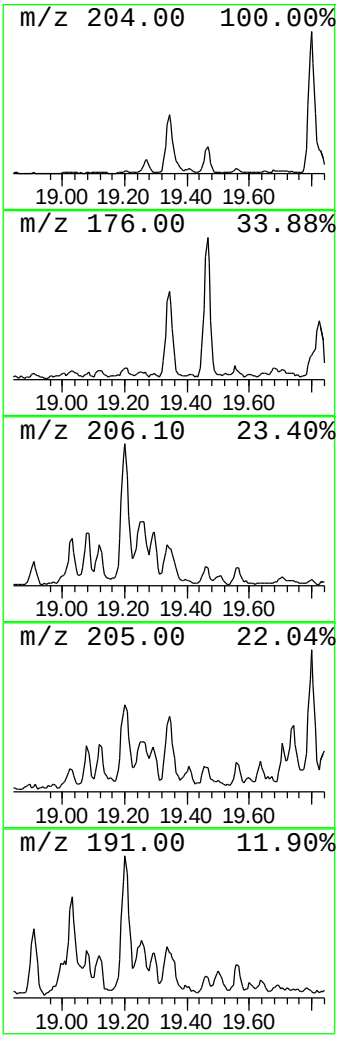
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	5.31 ng	152413	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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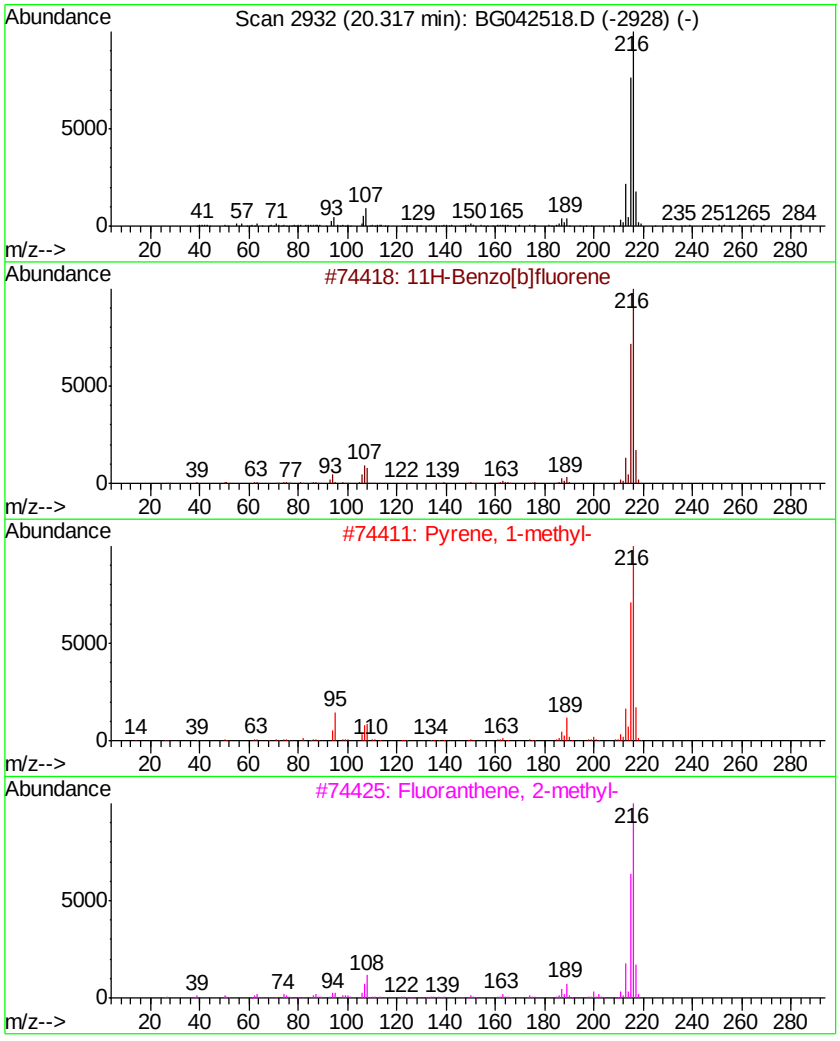
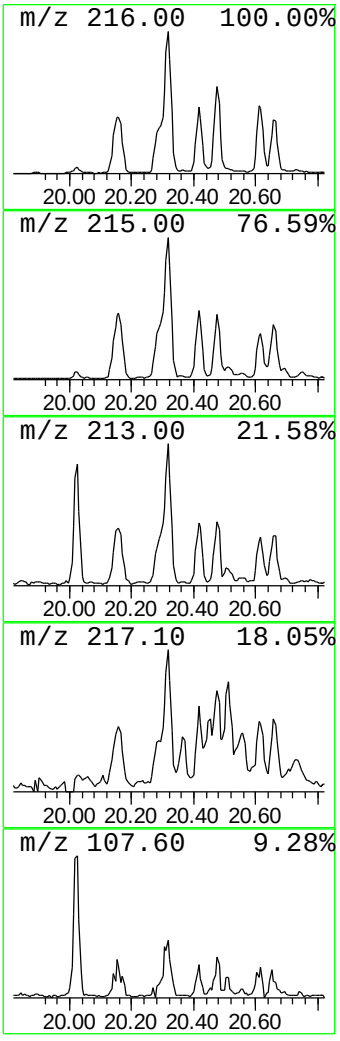
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.57 ng	318656	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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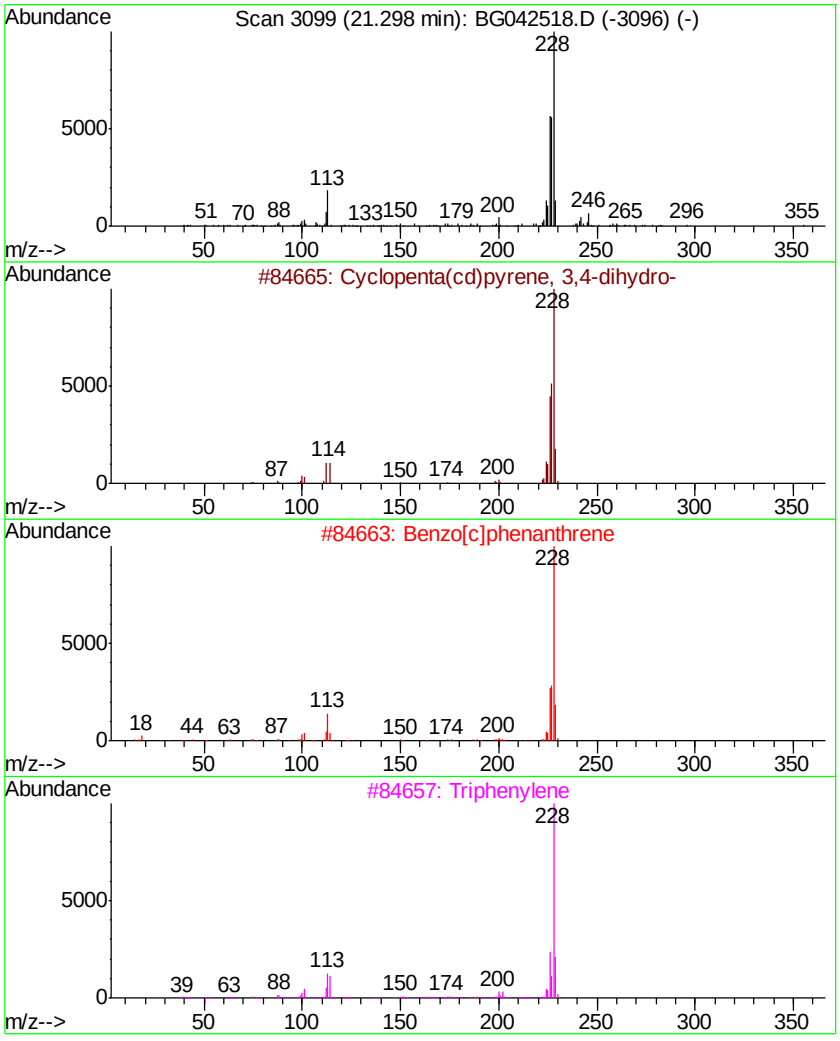
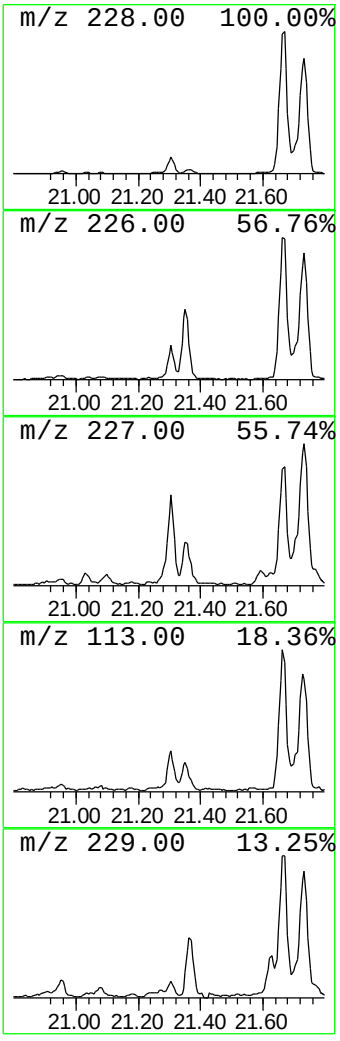
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.83 ng	351078	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	53
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Triphenylene	228	C18H12	000217-59-4	43
4	Naphthacene	228	C18H12	000092-24-0	43
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	42





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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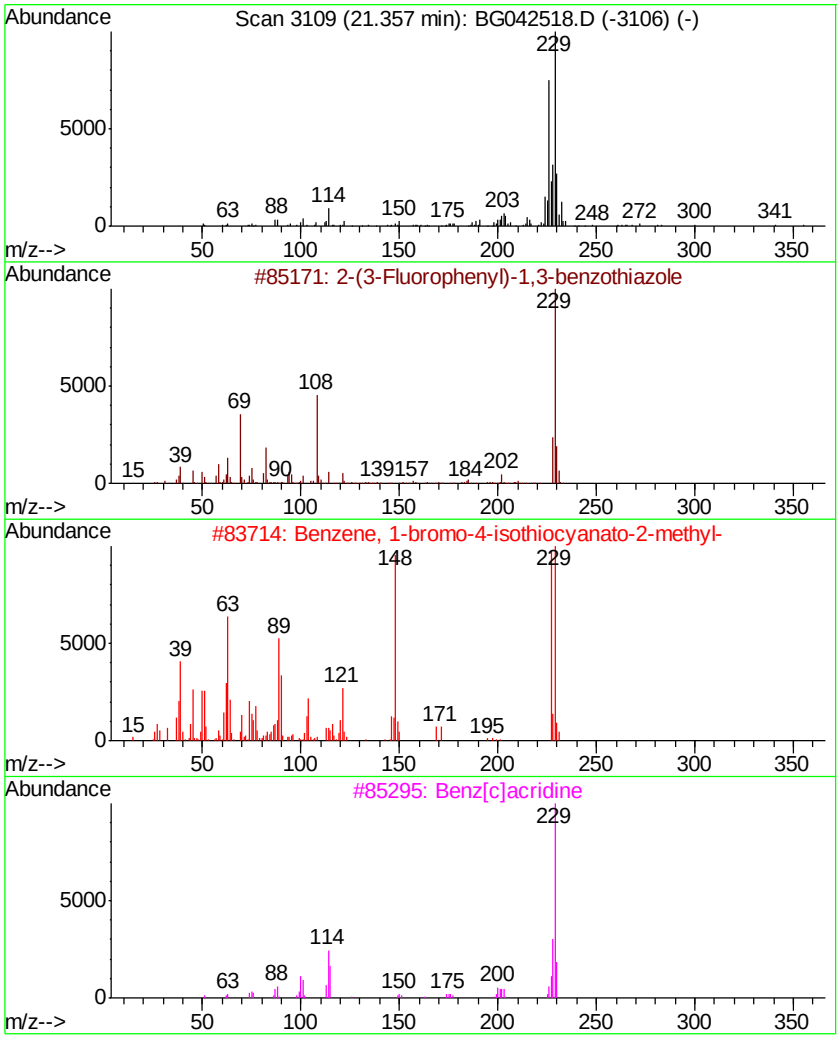
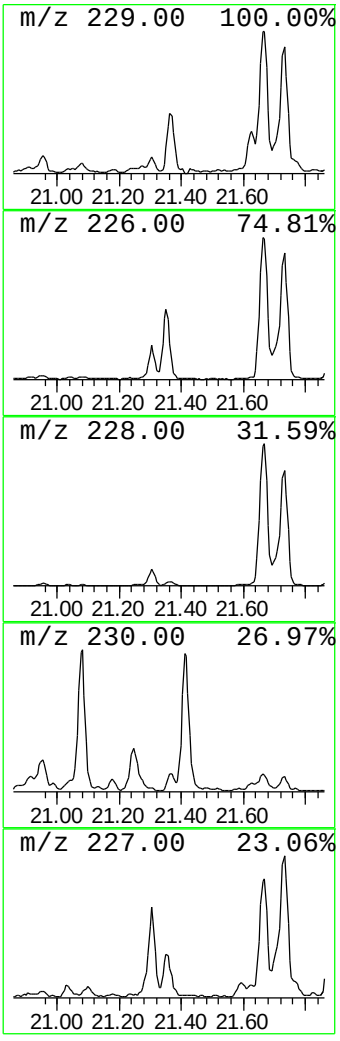
Peak Number 18 unknown21.36 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.66 ng	329148	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3-Fluorophenyl)-1,3-benzothia...	229	C13H8FNS	1000298-18-6	43
2	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	38
3	Benz[c]acridine	229	C17H11N	000225-51-4	32
4	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	32
5	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.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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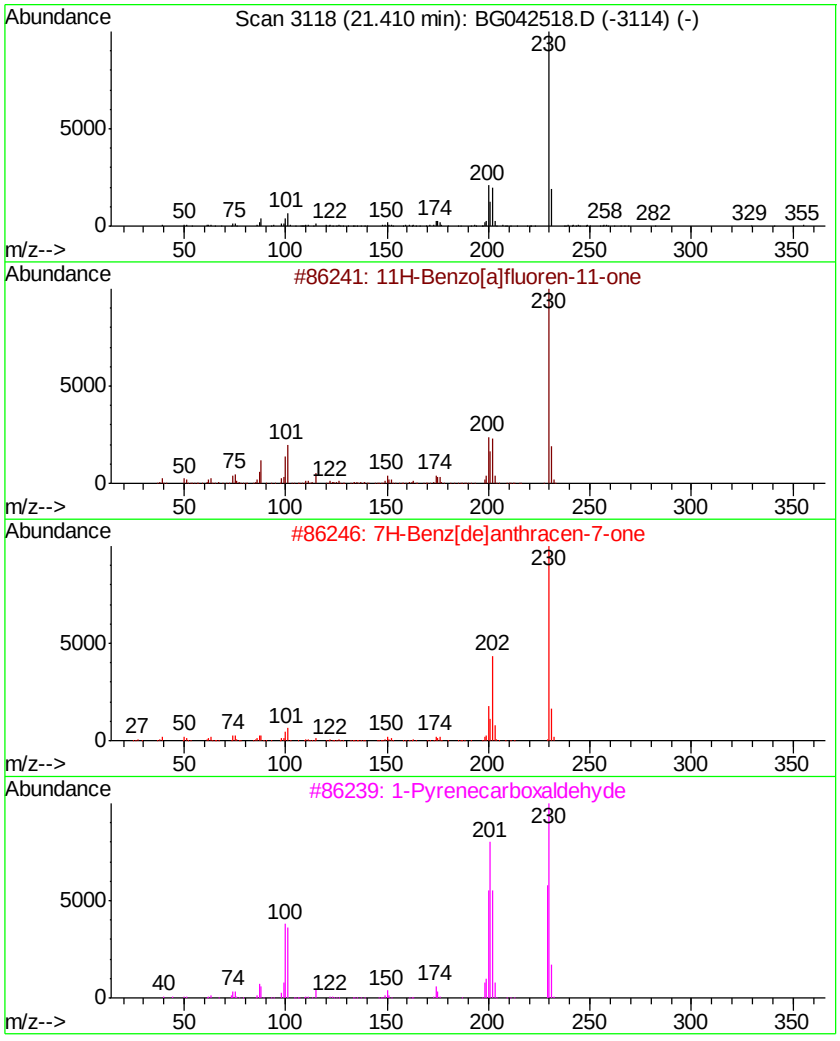
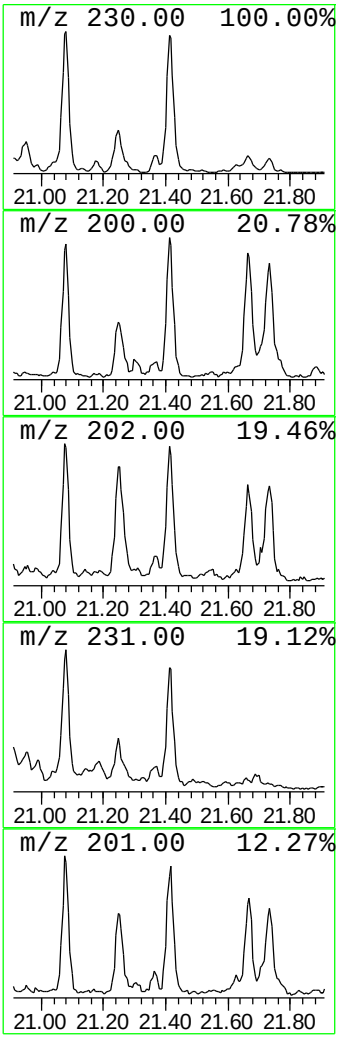
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.54 ng	315133	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	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53
5	o-Terphenyl	230	C18H14	000084-15-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

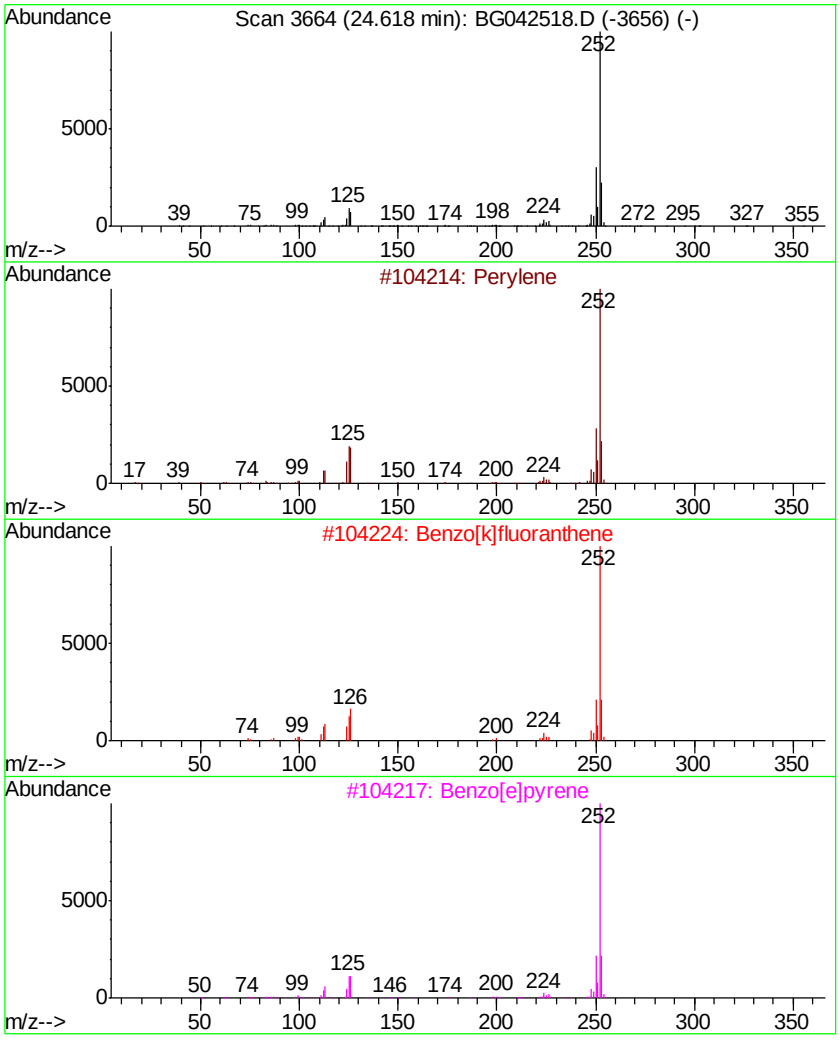
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

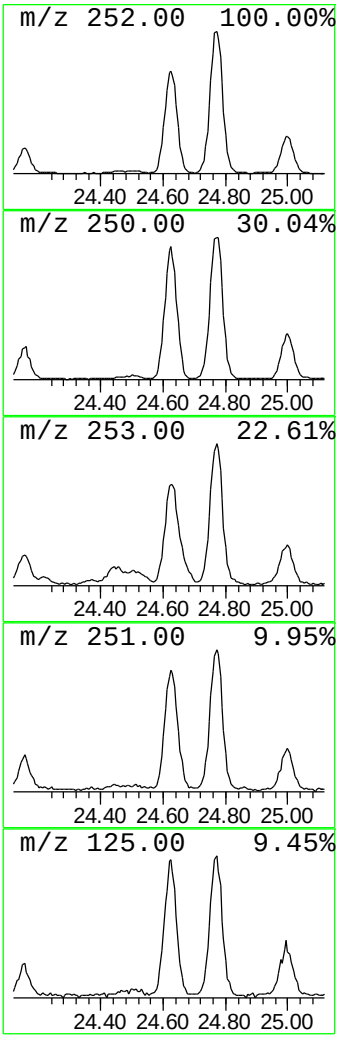
****

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.62	15.63 ng	804882	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082719\
Data File : BG042518.D
Acq On : 28 Aug 2019 00:00
Operator : HP/JU
Sample : K4516-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T1-S-S-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.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...	3.12	78.3	ng	771716	1	8.00	197151	20.0
unknown7.53	7.53	108.0	ng	1064090	1	8.00	197151	20.0
unknown15.06	15.06	2.9	ng	60389	3	14.66	422620	20.0
Pyrido[2,3-b]indo...	16.00	2.8	ng	59462	3	14.66	422620	20.0
Anthracene, 1,2,3...	17.16	3.0	ng	87391	4	17.41	573606	20.0
Phenanthrene, 1-m...	18.28	6.1	ng	174850	4	17.41	573606	20.0
Phenanthrene, 2-m...	18.34	9.0	ng	258870	4	17.41	573606	20.0
Anthracene, 2-met...	18.42	4.1	ng	118317	4	17.41	573606	20.0
4H-Cyclopenta[def...	18.48	13.6	ng	390643	4	17.41	573606	20.0
Anthracene, 1-met...	18.52	4.2	ng	120841	4	17.41	573606	20.0
5,16[1',2']:8,13[...	18.78	5.1	ng	144998	4	17.41	573606	20.0
9,10-Anthracenedione	18.82	3.9	ng	112717	4	17.41	573606	20.0
Phenanthrene, 2,3...	19.20	5.9	ng	168291	4	17.41	573606	20.0
Cyclopenta(def)ph...	19.34	5.3	ng	152413	4	17.41	573606	20.0
Pyrene, 1-methyl-	20.32	2.6	ng	318656	5	21.69	2477050	20.0
Cyclopenta(cd)pyr...	21.30	2.8	ng	351078	5	21.69	2477050	20.0
unknown21.36	21.36	2.7	ng	329148	5	21.69	2477050	20.0
11H-Benzo[a]fluor...	21.41	2.5	ng	315133	5	21.69	2477050	20.0
Perylene	24.62	15.6	ng	804882	6	24.92	1029710	20.0