LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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	3.118	3	5	17	rVB	110175	140795	8.71%	0.823%
2	5.557	413	420	432	rBV	366130	614797	38.03%	3.595%
3	7.161	684	693	708	rBV	382293	733745	45.39%	4.291%
4	7.407	730	735	744	rVB	27121	45375	2.81%	0.265%
5	7.531	748	756	772	rVV	409051	717790	44.40%	4.198%
6	7.995	827	835	844	rBV	106744	176534	10.92%	1.032%
7	8.324	883	891	899	rBV	311210	530829	32.84%	3.104%
8	8.447	907	912	923	rVB	27699	48136	2.98%	0.282%
9	9.164	1026	1034	1047	rBV	214058	394847	24.43%	2.309%
10	10.821	1309	1316	1322	rBV	125310	241103	14.92%	1.410%
11	13.277	1727	1734	1748	rBV	657784	1034265	63.98%	6.048%
12	14.106	1869	1875	1886	rBV	47297	79868	4.94%	0.467%
13	14.658	1961	1969	1976	rBV2	242269	388653	24.04%	2.273%
14	14.722	1976	1980	1985	rVB2	12236	19150	1.18%	0.112%
15	15.710	2142	2148	2153	rBV3	15687	26447	1.64%	0.155%
16	16.150	2216	2223	2232	rBV	637459	1018838	63.03%	5.958%
17	16.714	2309	2319	2324	rBV4	9338	23225	1.44%	0.136%
18	16.861	2340	2344	2349	rVB4	10562	17243	1.07%	0.101%
19	17.231	2402	2407	2414	rVB	10433	19514	1.21%	0.114%
20	17.408	2430	2437	2441	rBV2	330395	499161	30.88%	2.919%
21	17.449	2441	2444	2451	rVV	116866	172612	10.68%	1.009%
22	17.543	2453	2460	2465	rVV	50965	84618	5.23%	0.495%
23	18.295	2582	2588	2591	rBV2	56122	97001	6.00%	0.567%
24	18.336	2591	2595	2602	rVB	47311	75842	4.69%	0.444%
25	18.418	2602	2609	2614	rBV	36517	65987	4.08%	0.386%
26	18.483	2614	2620	2624	rBV2	93917	173649	10.74%	1.016%
27	18.782	2667	2671	2678	rVB	34423	47899	2.96%	0.280%
28	19.029	2709	2713	2718	rVB3	25182	37823	2.34%	0.221%
29	19.200	2737	2742	2748	rBV2	33785	74335	4.60%	0.435%
30	19.264	2750	2753	2756	rVV2	16410	22522	1.39%	0.132%
31	19.335	2761	2765	2768	rBV3	15378	27480	1.70%	0.161%
32	19.464	2781	2787	2793	rBV	460071	644147	39.85%	3.767%
33	19.517	2793	2796	2800	rVV3	16377	24479	1.51%	0.143%
34	19.558	2800	2803	2807	rVV5	14676	21712	1.34%	0.127%

LSC Area Percent Report

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Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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	19.705	2823	2828	2832	rBV	21180	40988	2.54%	0.240%
36	19.793	2838	2843	2844	rBV	90449	103664	6.41%	0.606%
37	19.822	2844	2848	2857	rVV	441058	708593	43.83%	4.144%
38	19.899	2857	2861	2867	rVB4	29143	51815	3.21%	0.303%
39	20.022	2875	2882	2887	rBV	1204110	1616506	100.00%	9.453%
40	20.146	2898	2903	2910	rBV3	40489	102118	6.32%	0.597%
41	20.281	2922	2926	2927	rBV3	25043	30766	1.90%	0.180%
42	20.316	2928	2932	2937	rVB	110797	171255	10.59%	1.002%
43	20.416	2944	2949	2953	rBV	95782	133888	8.28%	0.783%
44	20.475	2953	2959	2963	rVV2	64839	109736	6.79%	0.642%
45	20.510	2963	2965	2969	rVB2	14442	18320	1.13%	0.107%
46	20.616	2979	2983	2987	rBV	43671	65092	4.03%	0.381%
47	20.663	2987	2991	2994	rVV	40685	55645	3.44%	0.325%
48	20.821	3014	3018	3024	rBV6	16939	32692	2.02%	0.191%
49	20.903	3028	3032	3036	rBV3	88868	128173	7.93%	0.750%
50	21.086	3059	3063	3068	rVB3	60102	94887	5.87%	0.555%
51	21.221	3081	3086	3090	rBV4	80395	134859	8.34%	0.789%
52	21.279	3090	3096	3100	rBV4	72565	178131	11.02%	1.042%
53	21.515	3128	3136	3141	rBV3	339631	753613	46.62%	4.407%
54	21.567	3141	3145	3150	rVB	267296	372426	23.04%	2.178%
55	21.632	3151	3156	3158	rVV3	121613	188411	11.66%	1.102%
56	21.679	3158	3164	3169	rVV3	425652	1018152	62.98%	5.954%
57	21.732	3169	3173	3180	rVB	180025	302110	18.69%	1.767%
58	21.879	3194	3198	3208	rVB2	58981	114004	7.05%	0.667%
59	22.490	3297	3302	3306	rBV2	40943	63205	3.91%	0.370%
60	23.183	3417	3420	3429	rVB2	37265	69403	4.29%	0.406%
61	23.894	3534	3541	3549	rBV2	99146	335010	20.72%	1.959%
62	24.153	3580	3585	3593	rVB2	27969	74374	4.60%	0.435%
63	24.623	3658	3665	3676	rVB	75995	205956	12.74%	1.204%
64	24.770	3681	3690	3704	rVB	119757	351062	21.72%	2.053%
65	24.922	3706	3716	3725	rBV	251861	732817	45.33%	4.286%
66	26.103	3910	3917	3922	rBV10	10919	29914	1.85%	0.175%
67	28.624	4335	4346	4363	rVB3	44193	209462	12.96%	1.225%
68	29.770	4531	4541	4556	rVB3	33915	162181	10.03%	0.948%

Sum of corrected areas: 17099649

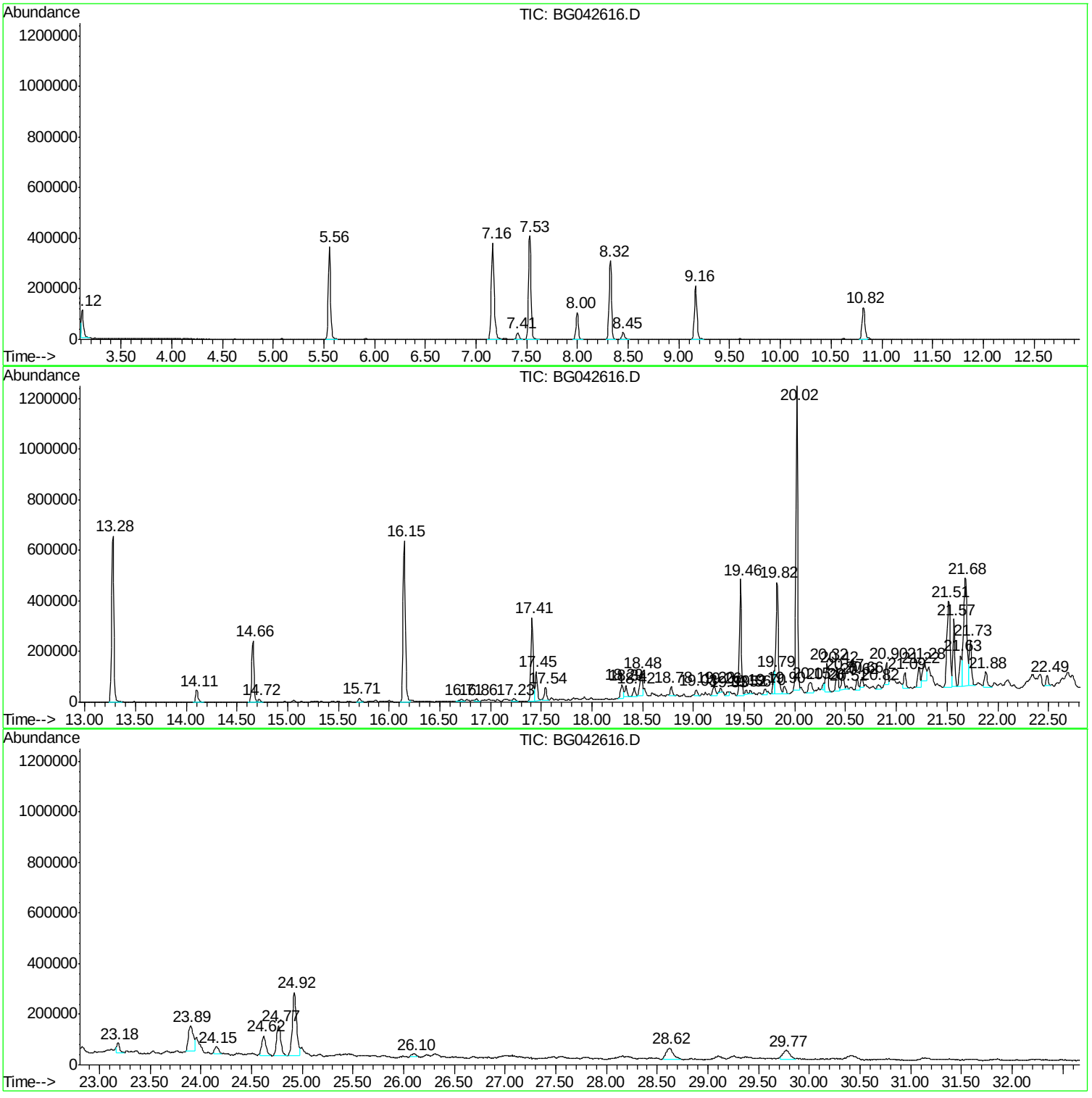
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

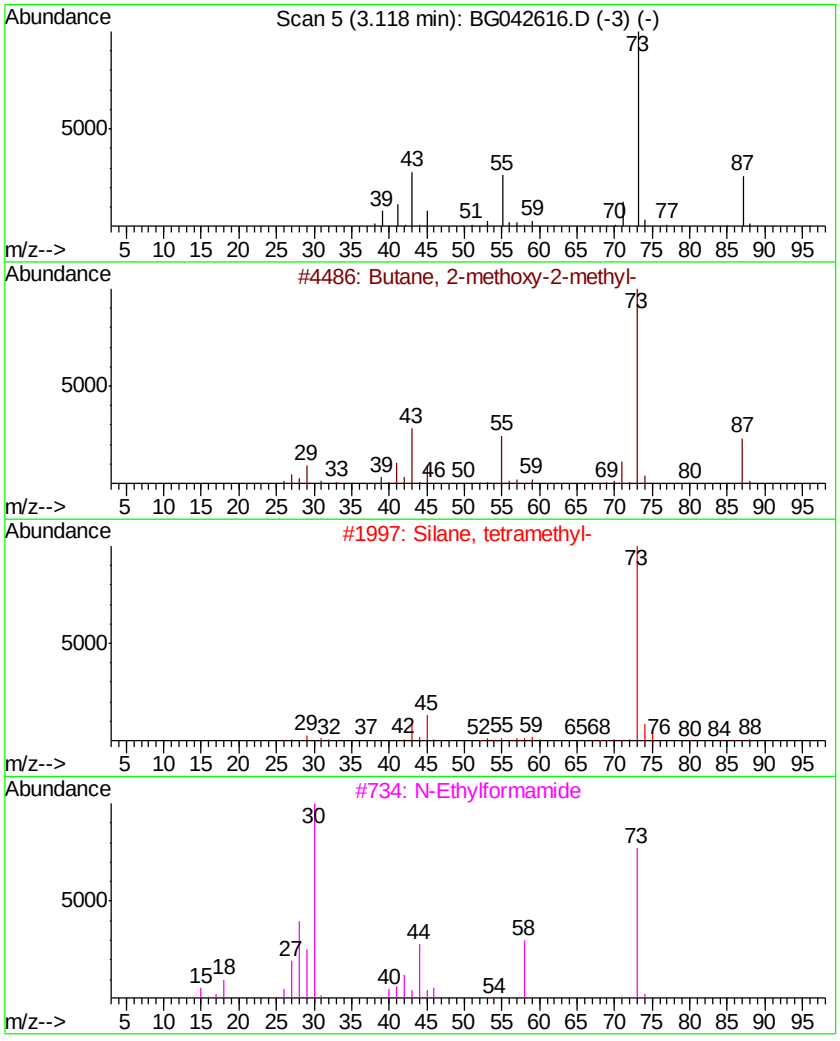
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

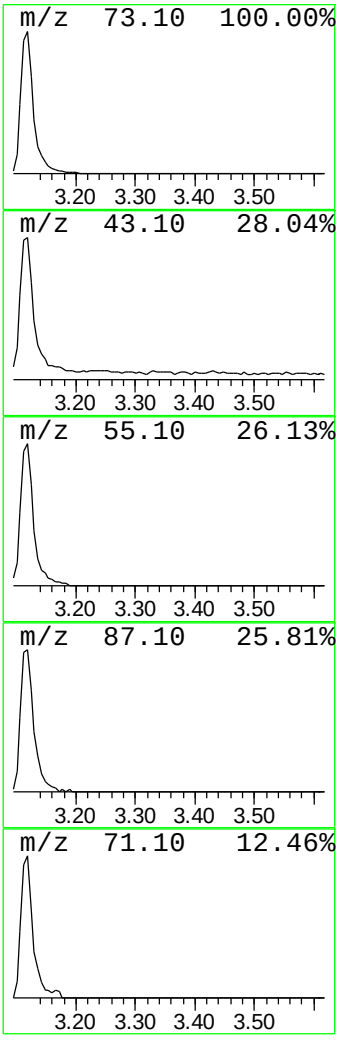
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	15.95 ng	140795	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	50
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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

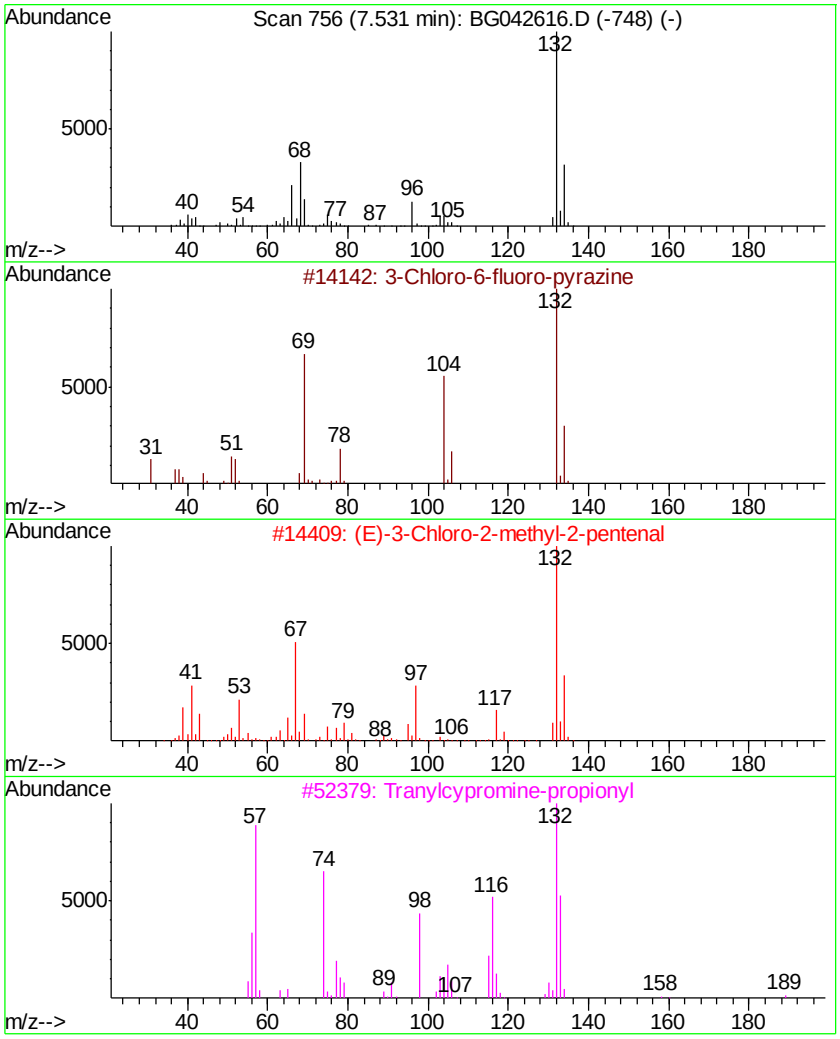
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

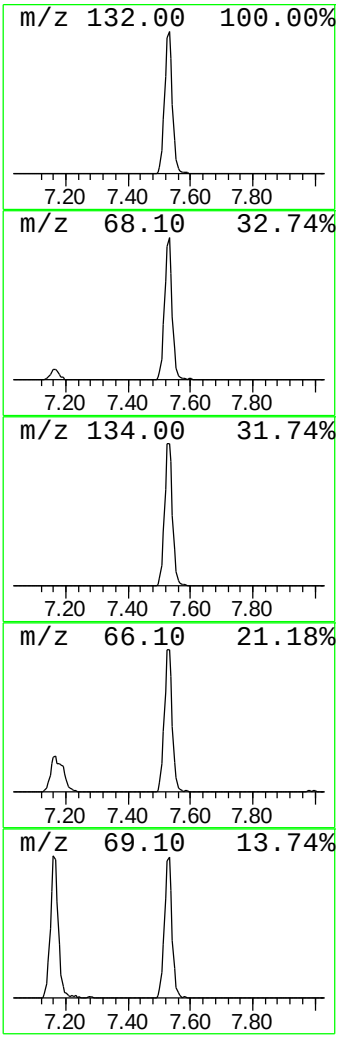
****

Peak Number 2 unknown7.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	81.32 ng	717790	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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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

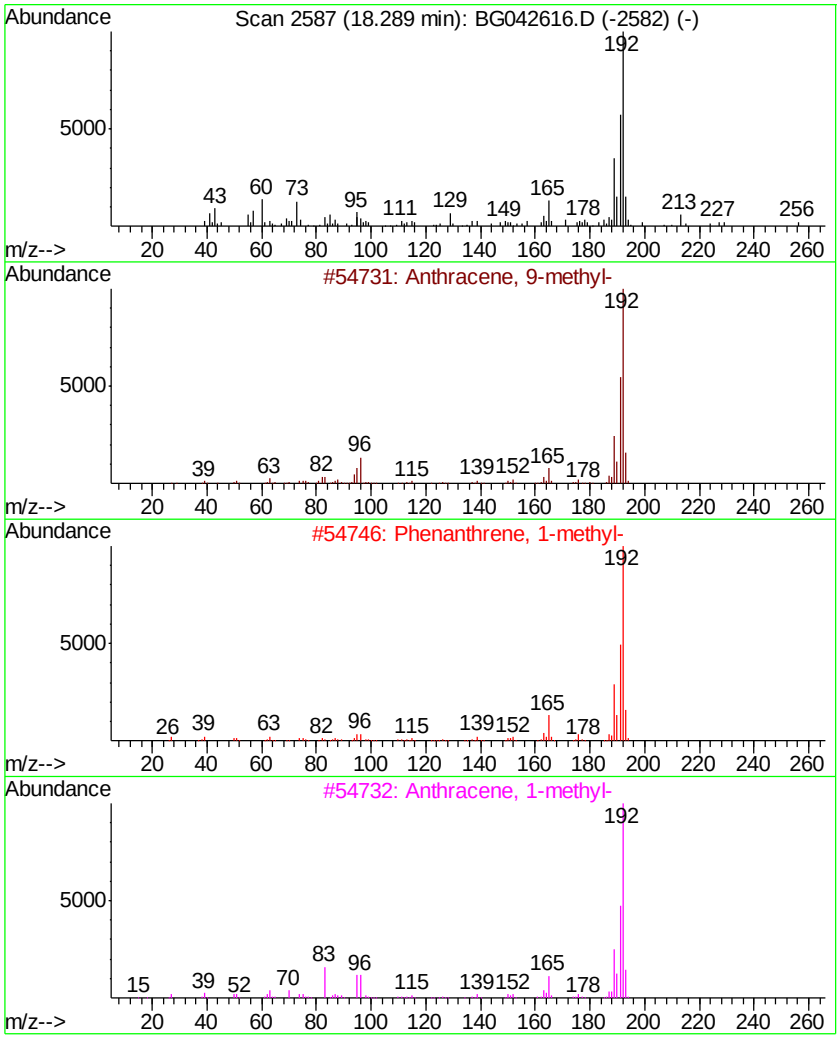
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

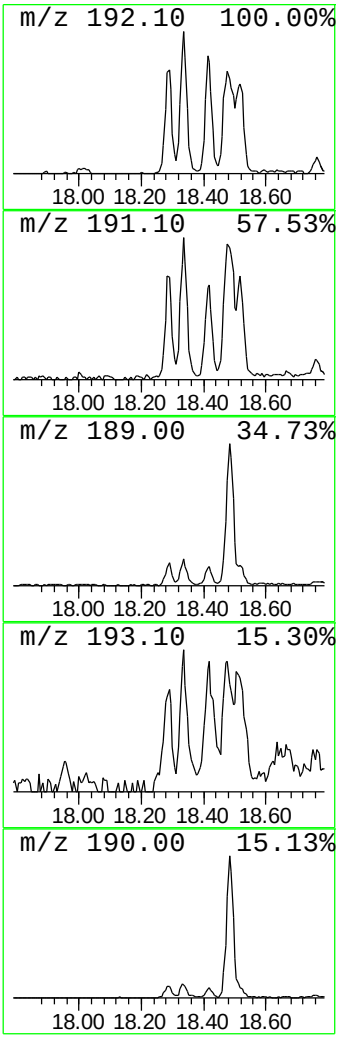
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.89 ng	97001	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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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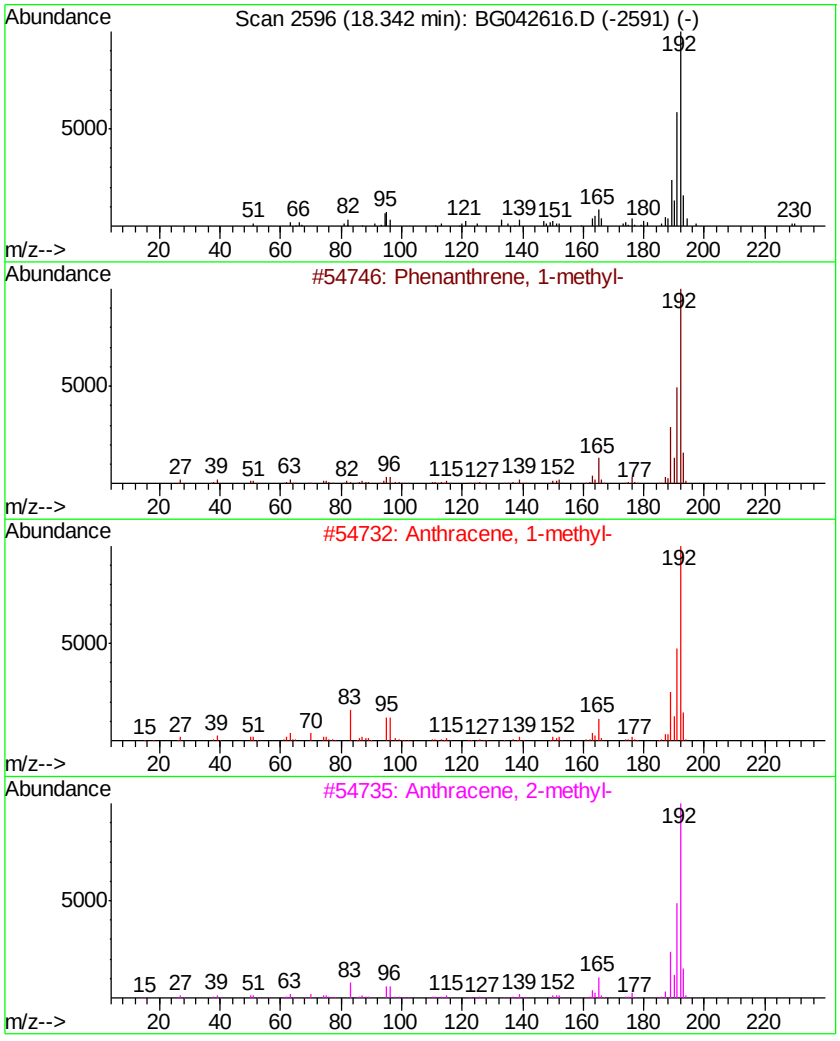
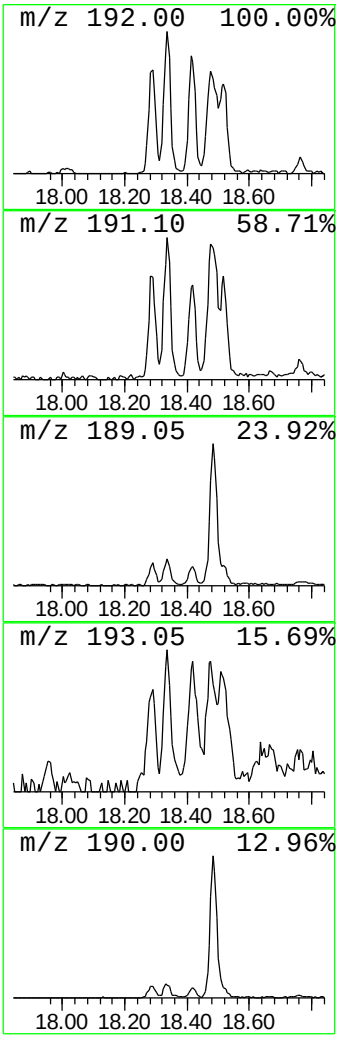
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.04 ng	75842	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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

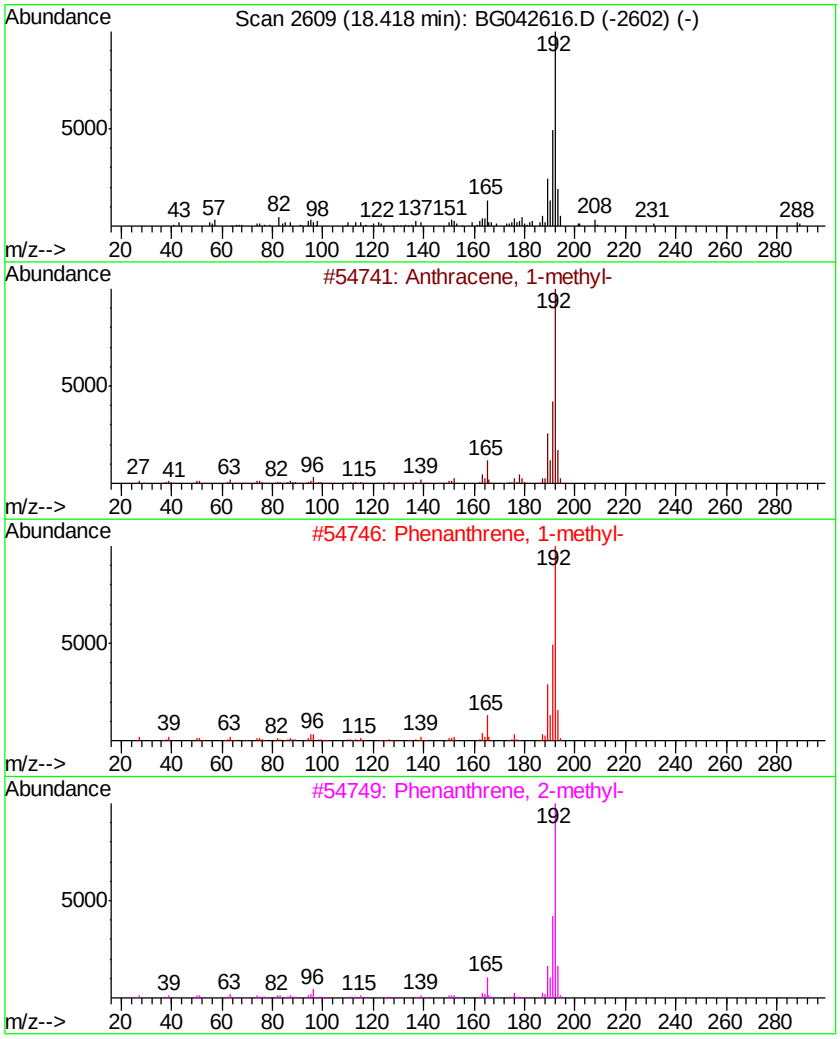
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

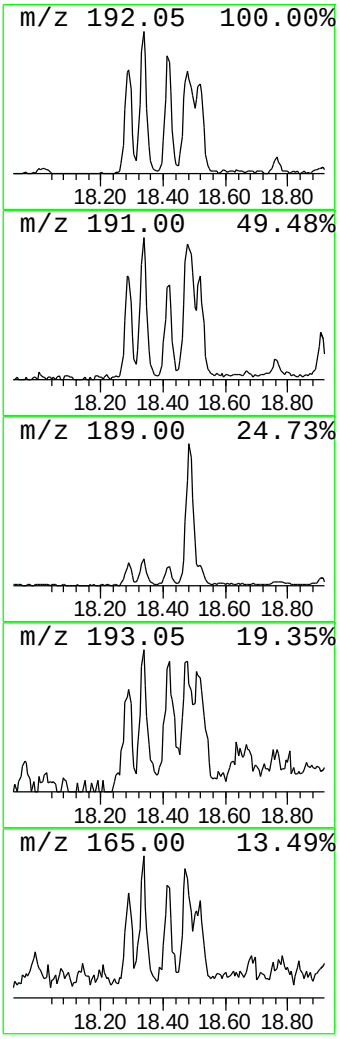
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.64 ng	65987	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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

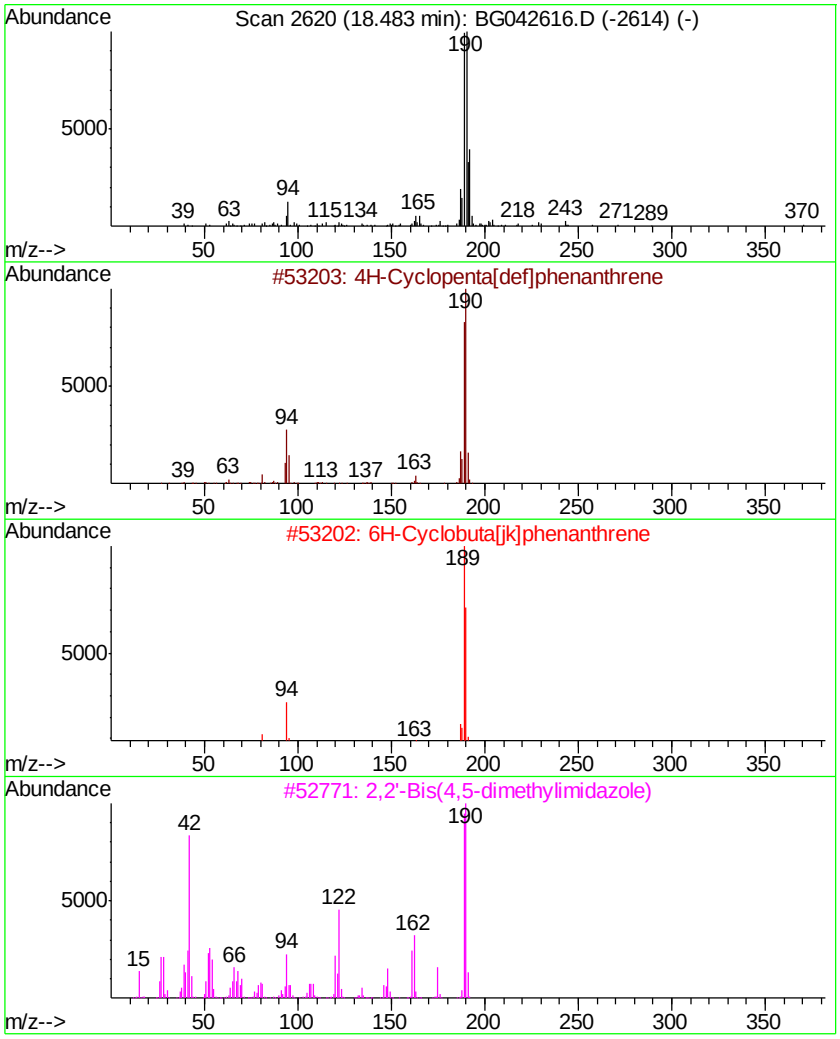
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

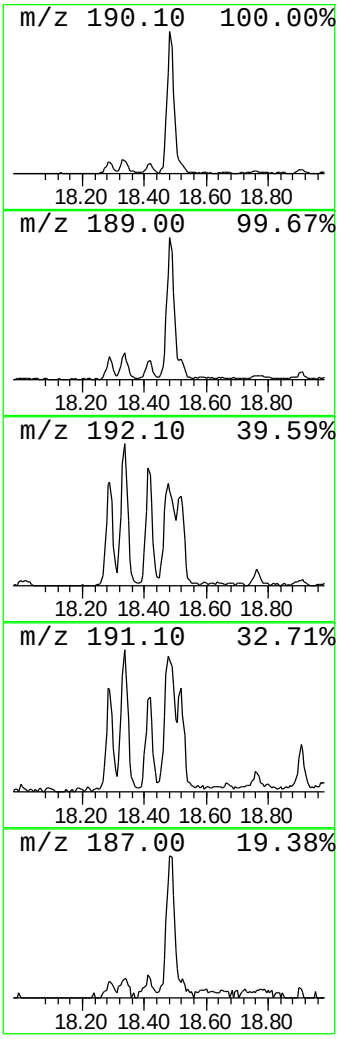
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	6.96 ng	173649	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	1-Aminocyclopentanecarboxylic ac...	361	C18H32ClNO4	1000329-17-0	25
5	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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

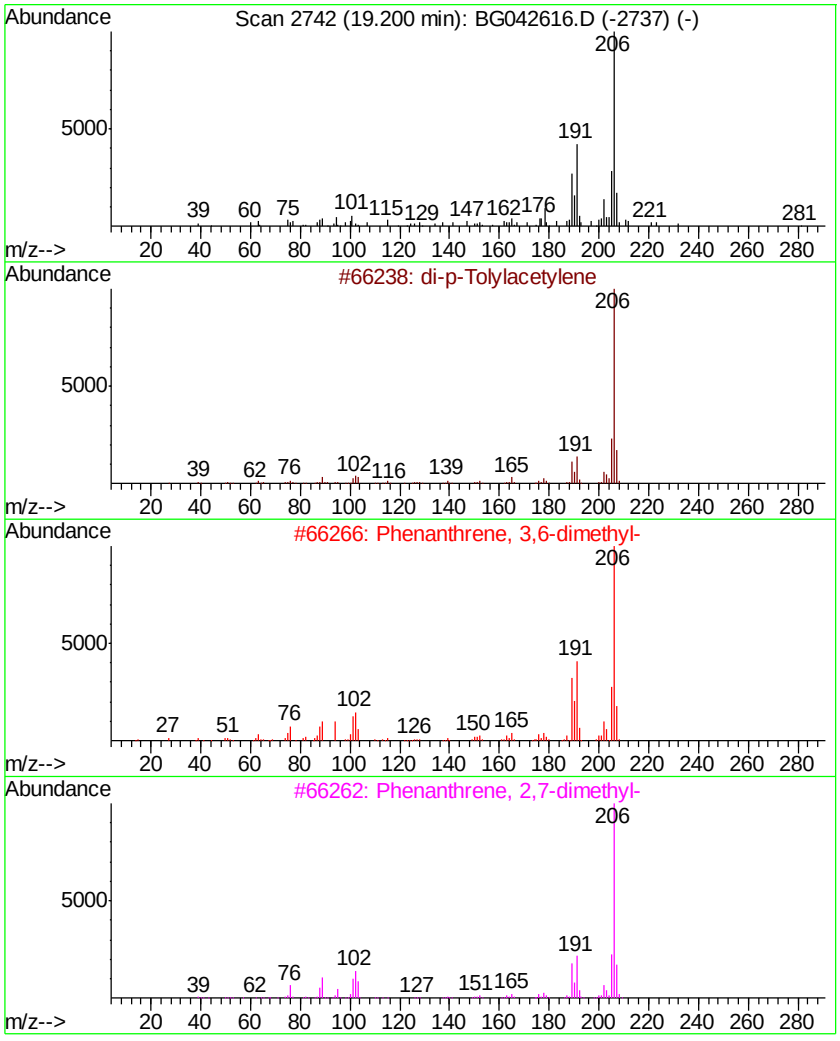
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

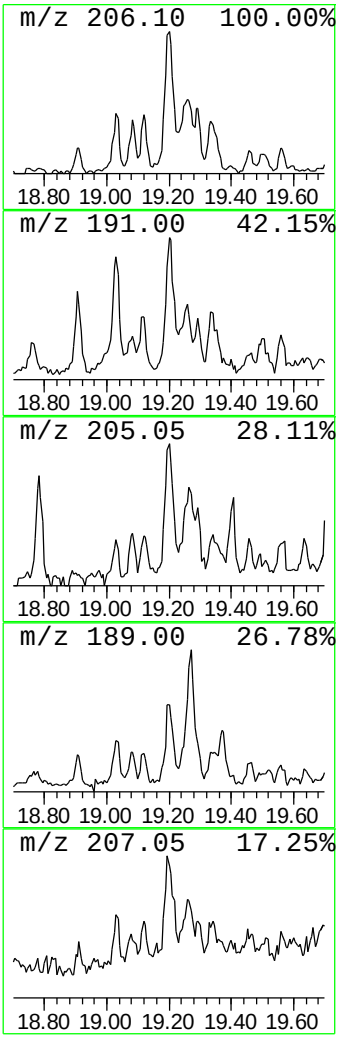
****

Peak Number 8 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	2.98 ng	74335	Phenanthrene-d10	17.41

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, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Library Search Compound Report

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Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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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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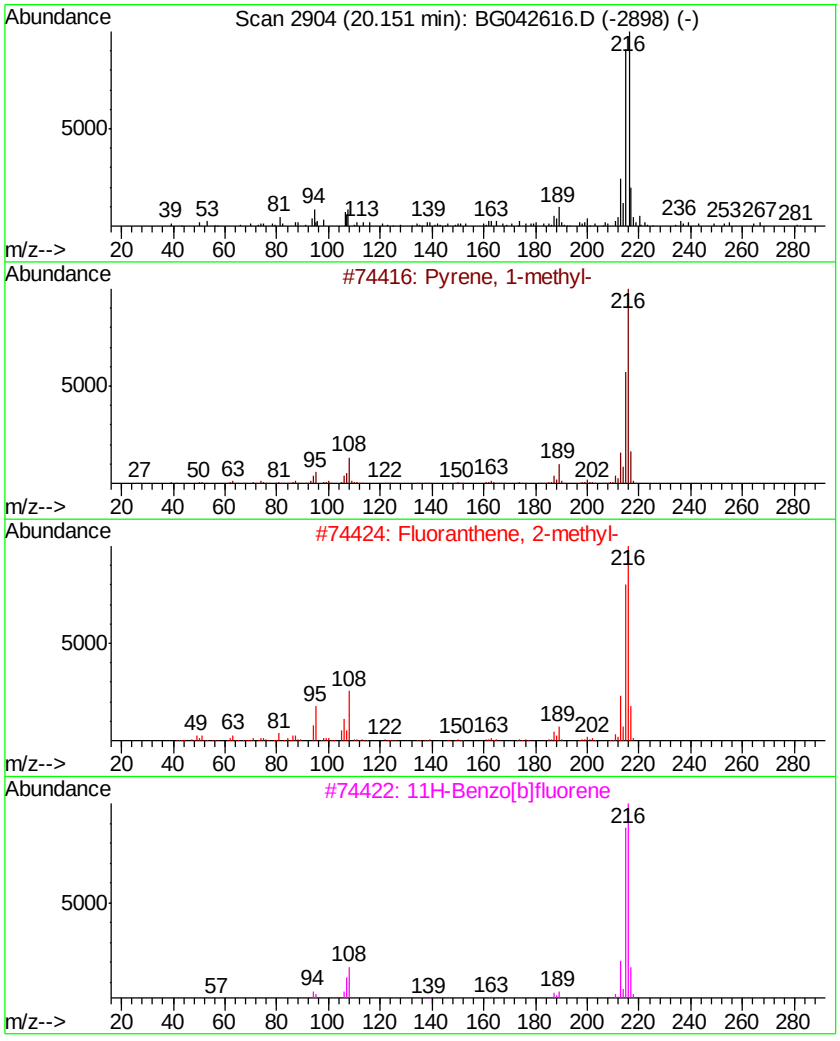
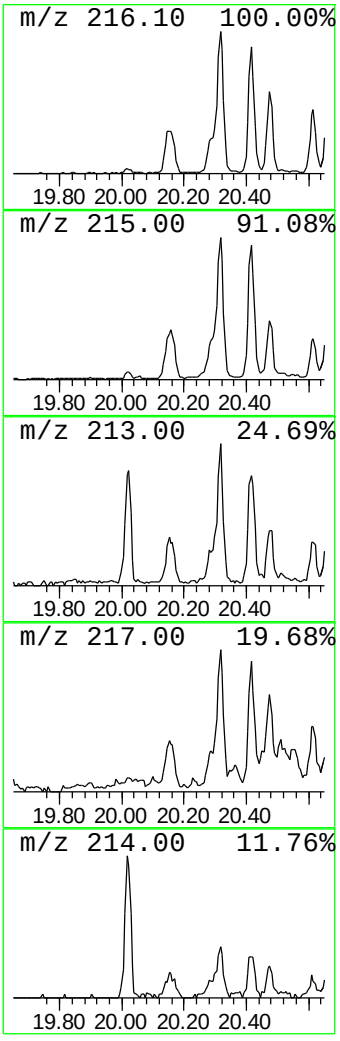
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.01 ng	102118	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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ClientSampleId : SB-4-12-14

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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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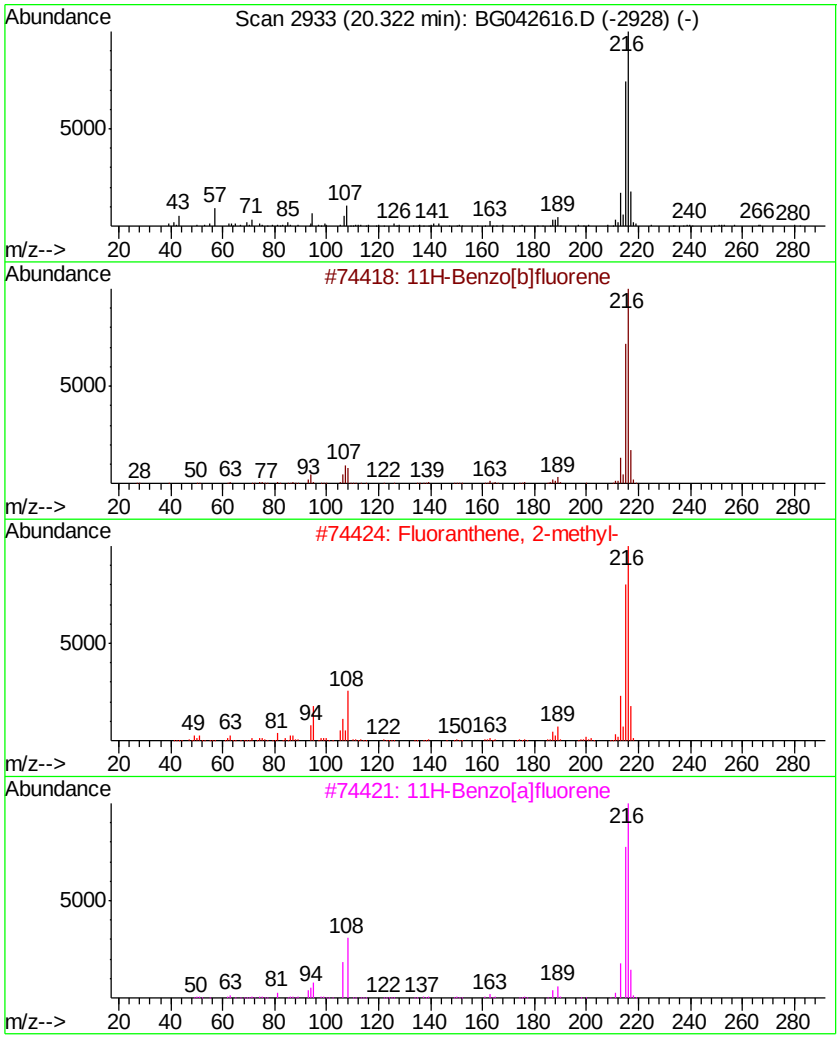
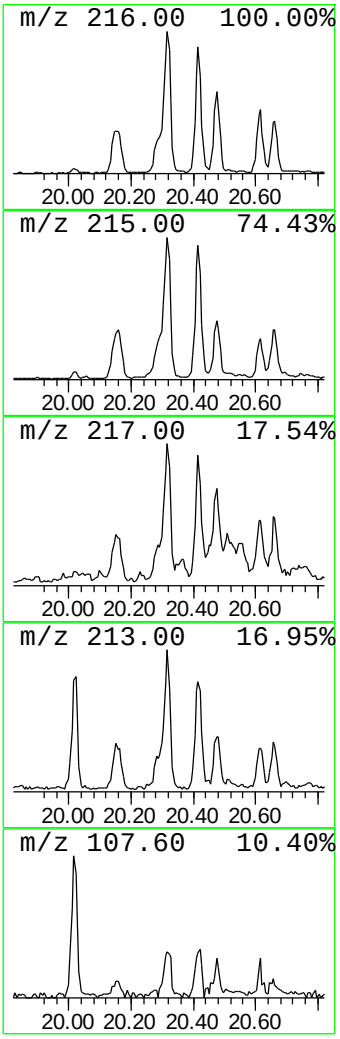
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	3.36 ng	171255	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





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ClientSampleId : SB-4-12-14

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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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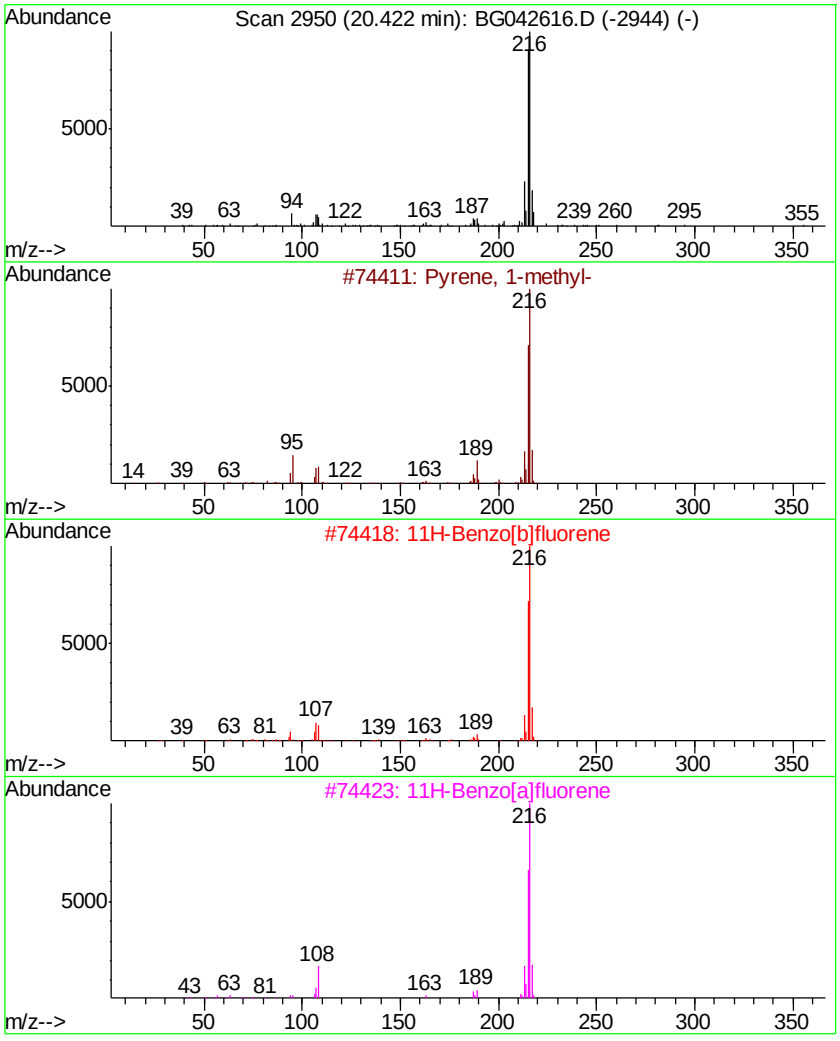
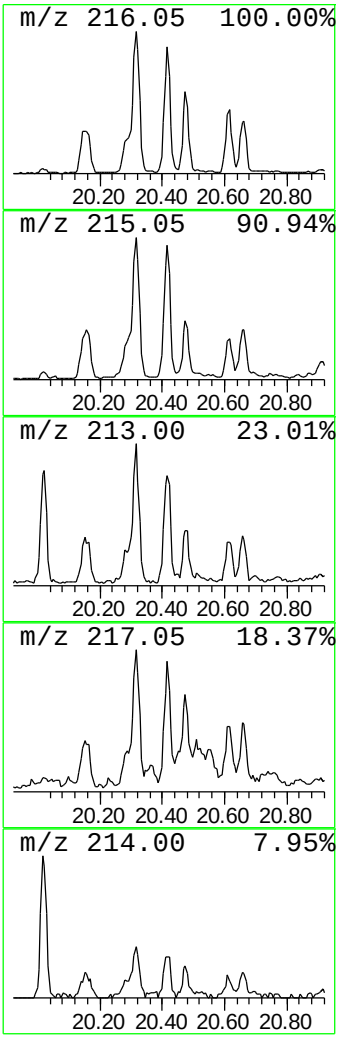
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.63 ng	133888	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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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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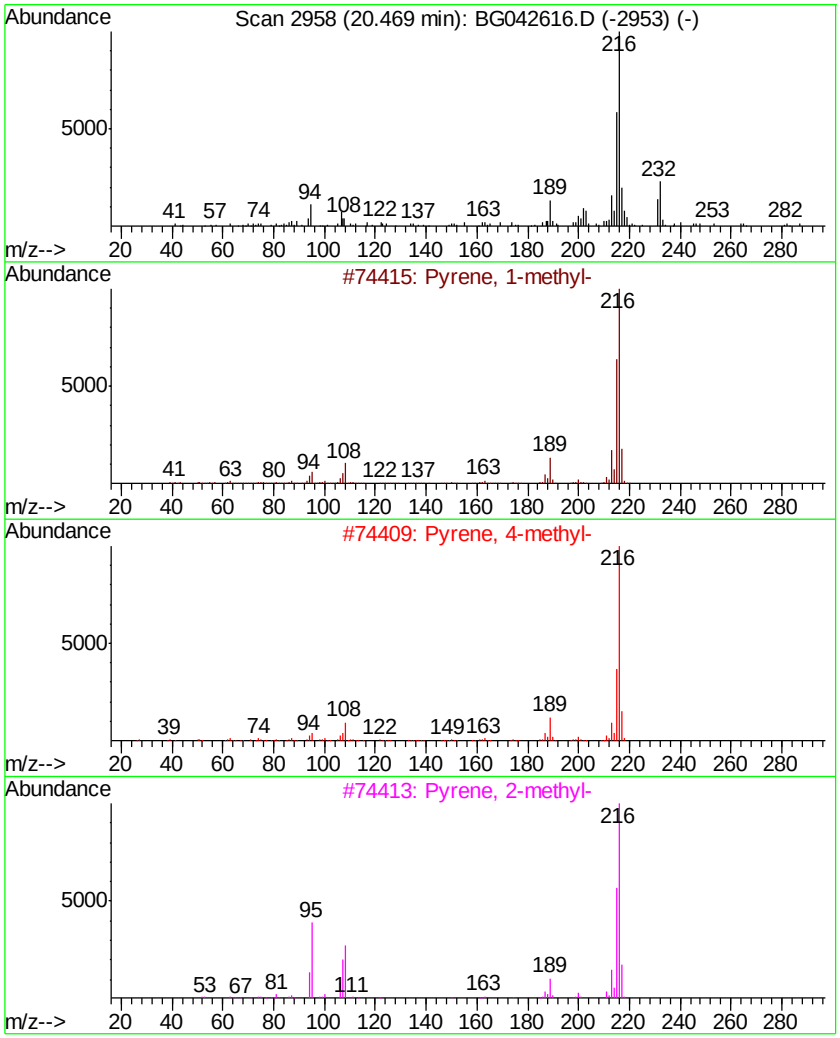
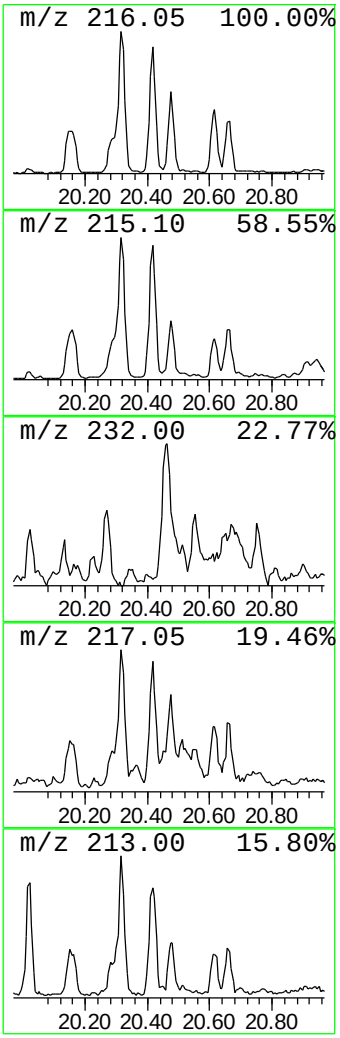
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	2.16 ng	109736	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ClientSampleId : SB-4-12-14

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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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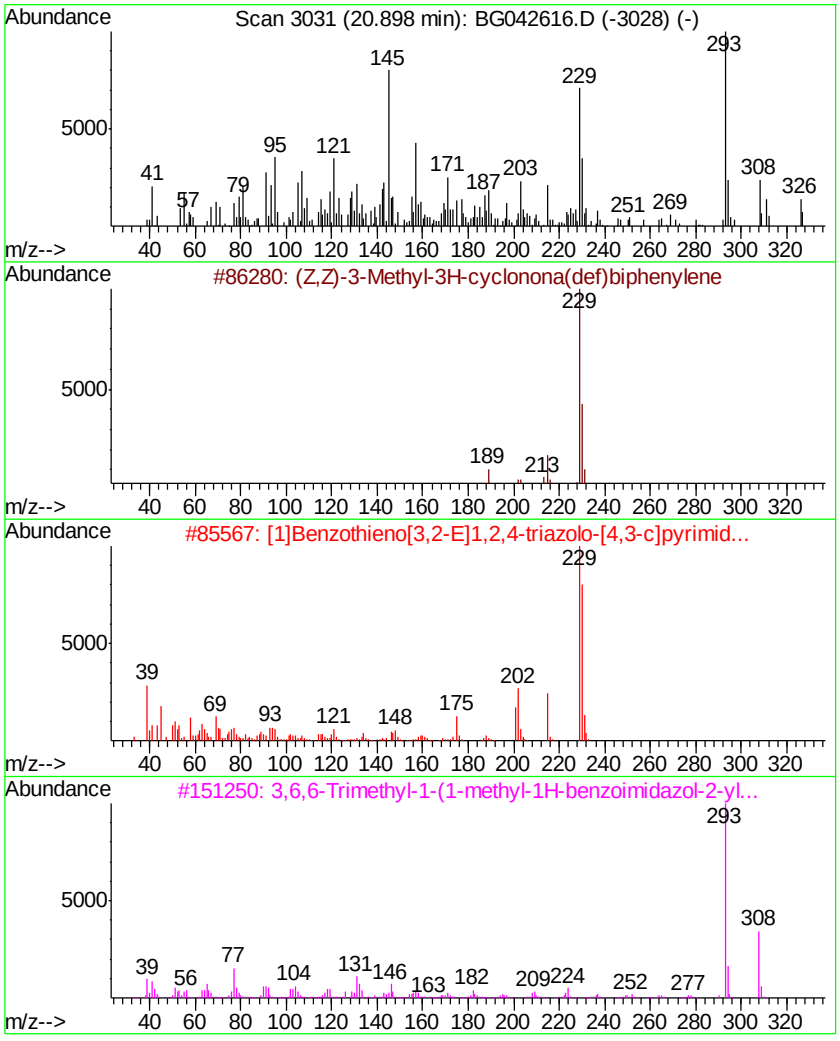
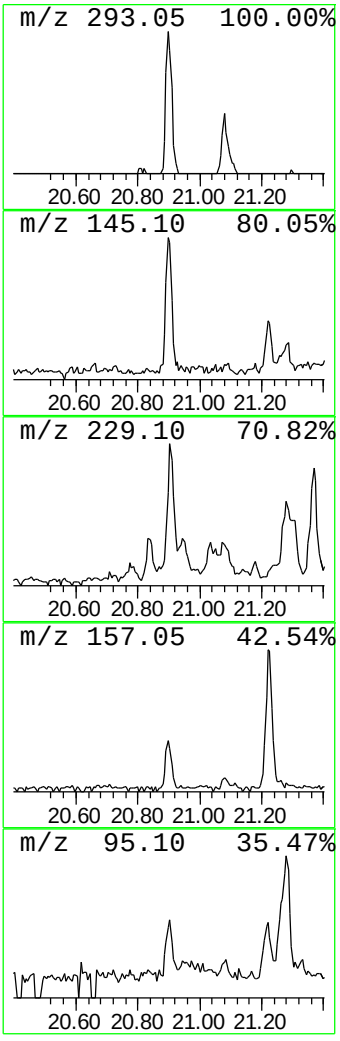
Peak Number 13 unknown20.90 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.52 ng	128173	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	46
2	[1]Benzothieno[3,2-E]1,2,4-triaz...	230	C11H10N4S	040106-82-9	38
3	3,6,6-Trimethyl-1-(1-methyl-1H-b...	308	C18H20N4O	1000295-03-6	25
4	Silane, dimethyl(4-acetylphenoxy...	308	C17H28O3Si	1000347-31-3	25
5	Benzoic acid, 4-(3,5-dimethyl-1-...	230	C13H14N2O2	312531-87-6	22





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Sample : K4618-01
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ClientSampleId : SB-4-12-14

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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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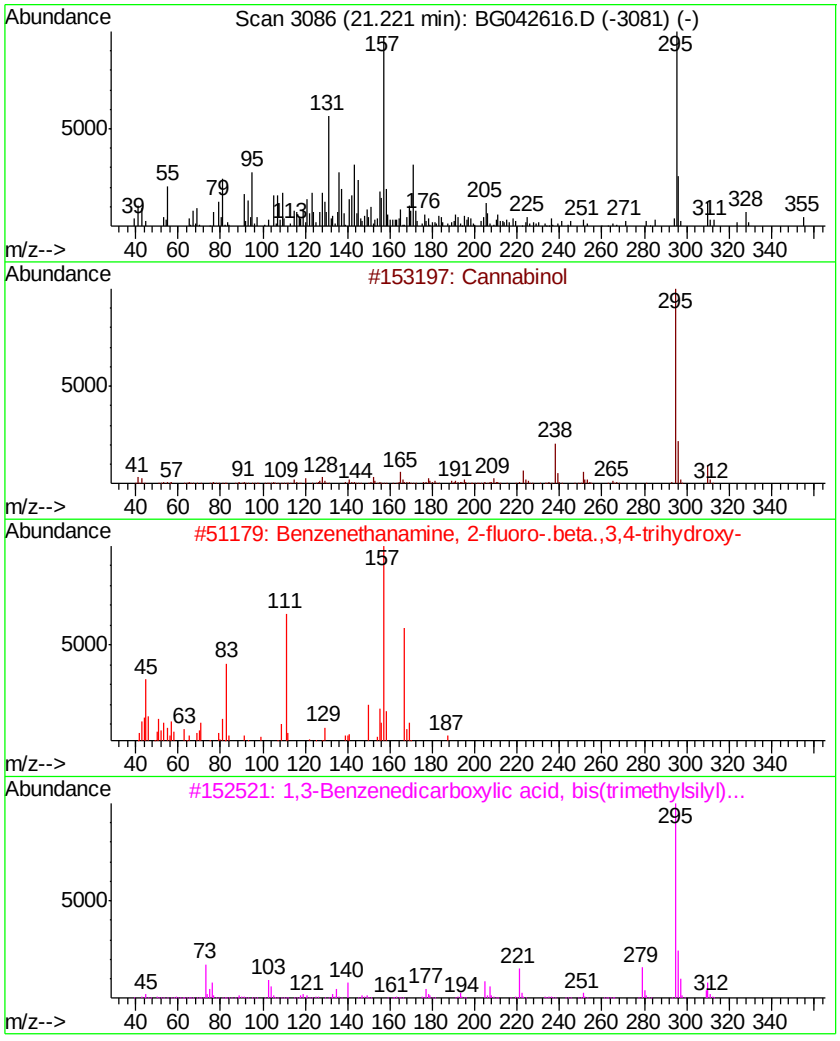
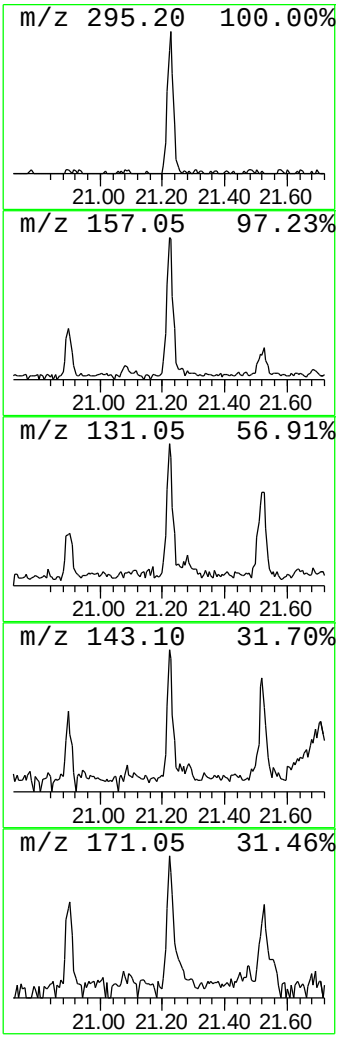
Peak Number 14 unknown21.22 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	2.65 ng	134859	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cannabinol	310	C21H26O2	000521-35-7	30
2	Benzenethanamine, 2-fluoro-.beta...	187	C8H10FNO3	099387-74-3	25
3	1,3-Benzenedicarboxylic acid, bi...	310	C14H22O4Si2	106450-31-1	25
4	1,4-Benzenedicarboxylic acid, bi...	310	C14H22O4Si2	004147-84-6	22
5	1-Benzenesulfonyl-2-cyclopropyl-...	298	C16H14N2O2S	1000322-08-3	22





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Sample : K4618-01
Misc :
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Instrument : BNA_G
ClientSampleId : SB-4-12-14

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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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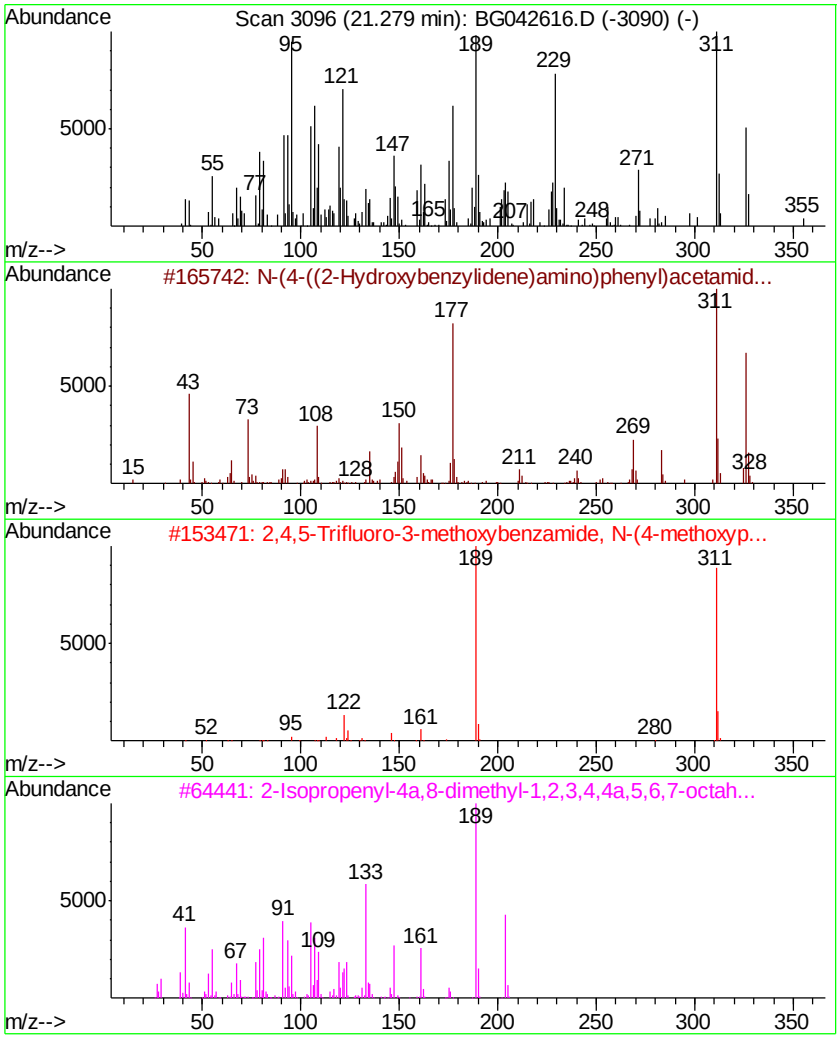
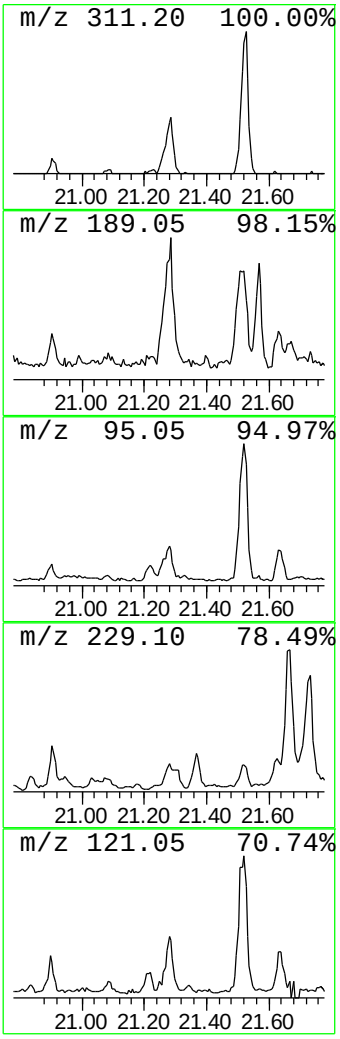
Peak Number 15 unknown21.28 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	3.50 ng	178131	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(4-((2-Hydroxybenzylidene)amin...	326	C18H22N2O2Si	1000331-94-7	35
2	2,4,5-Trifluoro-3-methoxybenzami...	311	C15H12F3NO3	1000358-06-8	14
3	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	12
4	5,5'-Di-tert-butyl-2,2'-dimethox...	326	C22H30O2	1000318-04-8	11
5	1-Ethanone, 1-[4-acetyl-1-[4-(di...	326	C20H26N2O2	1000350-21-7	11





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Instrument : BNA_G
ClientSampleId : SB-4-12-14

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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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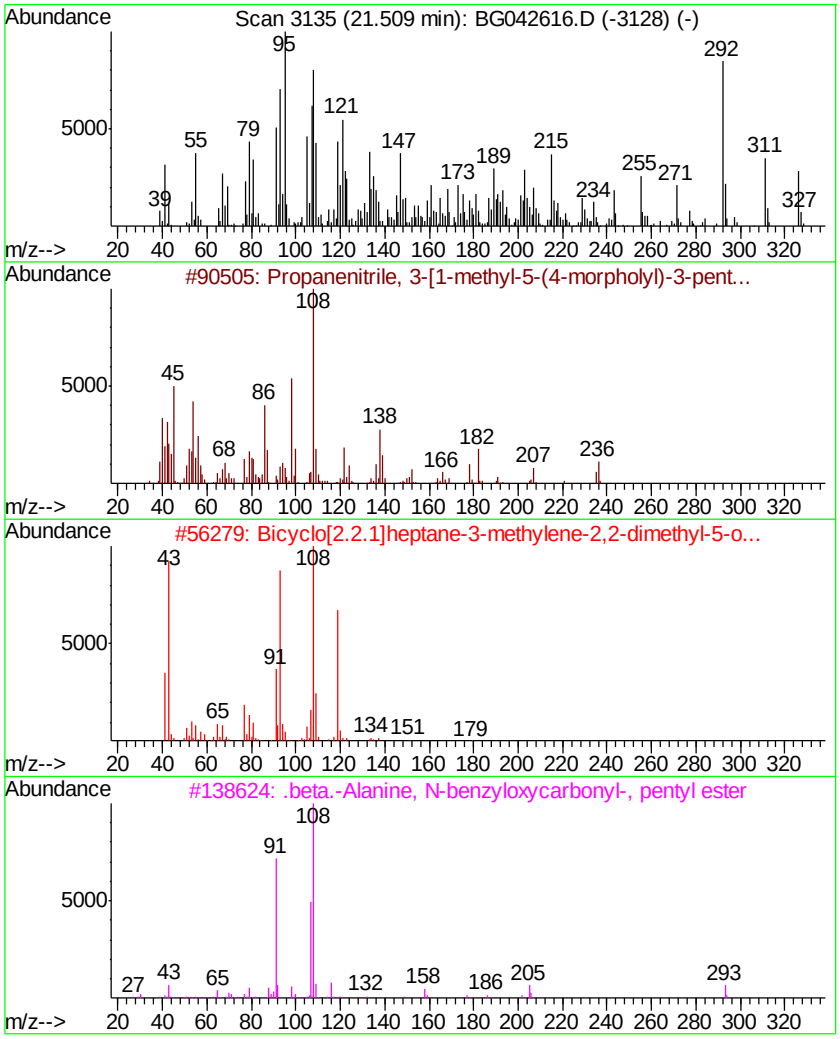
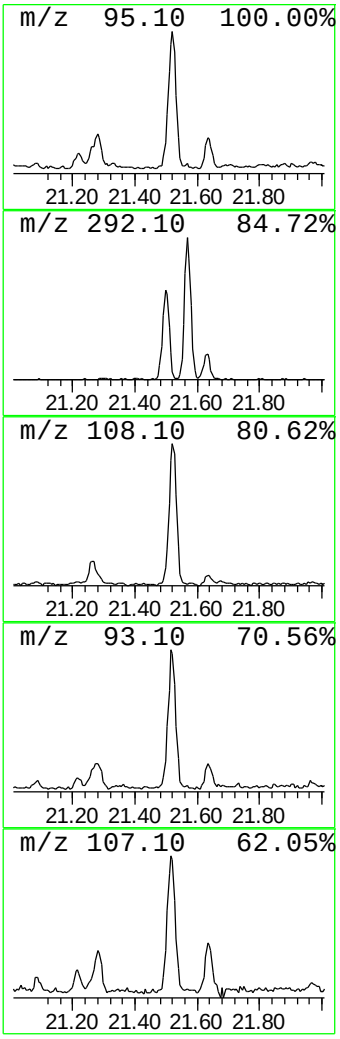
Peak Number 16 Propanenitrile, 3-[1-methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	14.80 ng	753613	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanenitrile, 3-[1-methyl-5-(4...	236	C13H20N2O2	1000271-23-8	53
2	Bicyclo[2.2.1]heptane-3-methylen...	194	C12H18O2	055627-02-6	22
3	.beta.-Alanine, N-benzyloxycarbo...	293	C16H23NO4	1000328-65-6	15
4	(7S)-(-)-10,10-di-Me-5-thia-4-az...	213	C10H15NO2S	060886-80-8	14
5	4-tert-Butyl-N-(1,5-dimethyl-1H-...	320	C17H24N2O2S	1000301-23-9	14





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ClientSampleId : SB-4-12-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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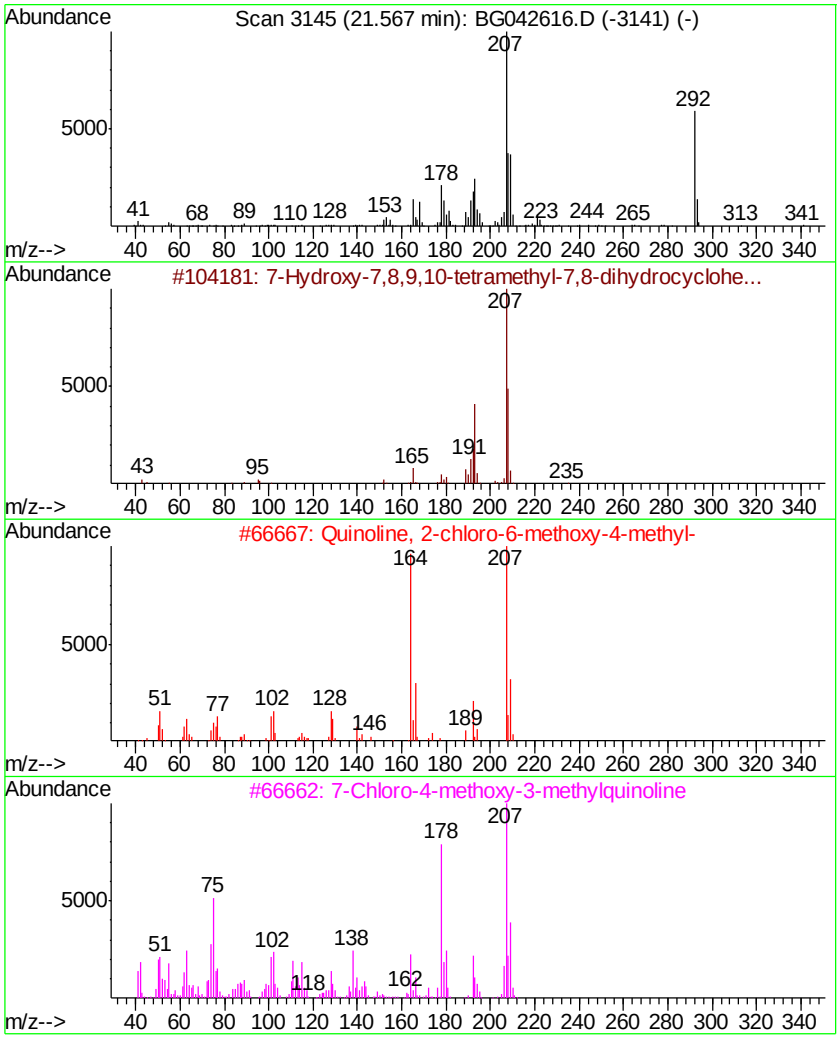
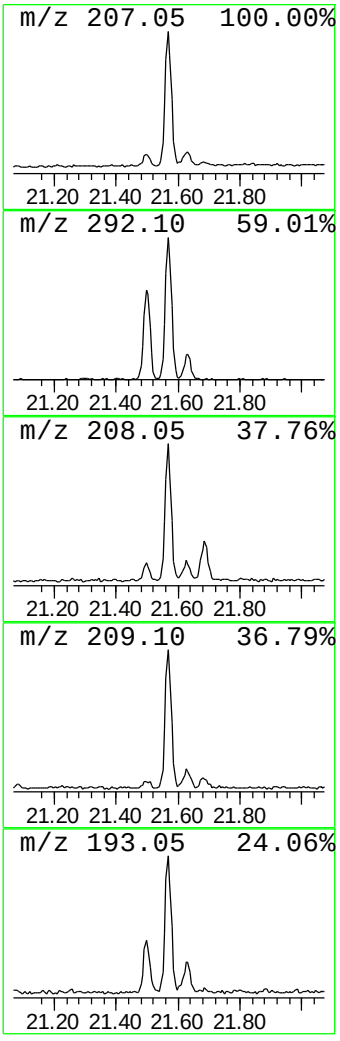
Peak Number 17 unknown21.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	7.32 ng	372426	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hydroxy-7,8,9,10-tetramethyl-7...	252	C18H20O	1000110-34-9	47
2	Quinoline, 2-chloro-6-methoxy-4-...	207	C11H10ClNO	006340-55-2	46
3	7-Chloro-4-methoxy-3-methylquino...	207	C11H10ClNO	1000213-52-2	46
4	2-Butenenitrile, 2-chloro-3-(4-m...	207	C11H10ClNO	1000305-66-7	43
5	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	38





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ClientSampleId : SB-4-12-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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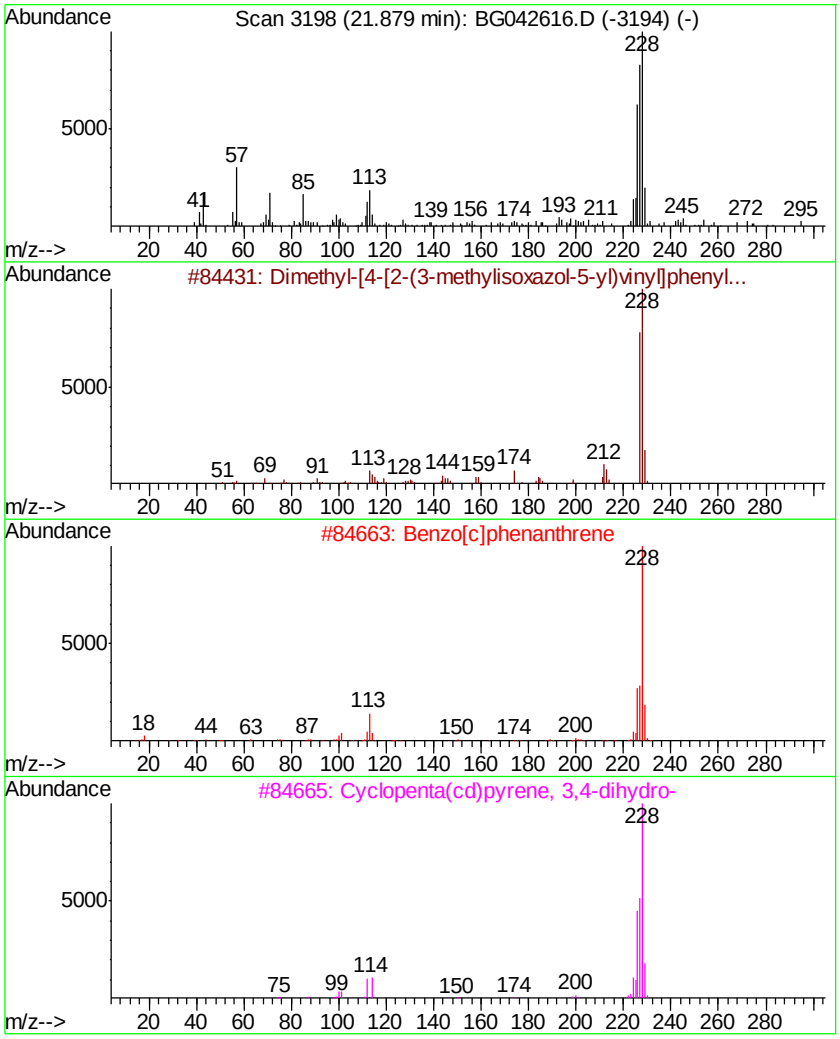
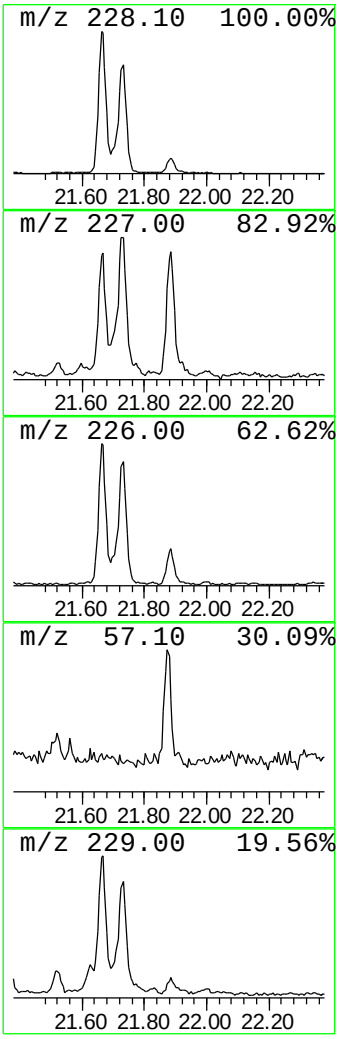
Peak Number 18 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	2.24 ng	114004	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	53
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
4	Benz[a]anthracene	228	C18H12	000056-55-3	41
5	Triphenylene	228	C18H12	000217-59-4	41





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Misc :
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ClientSampleId : SB-4-12-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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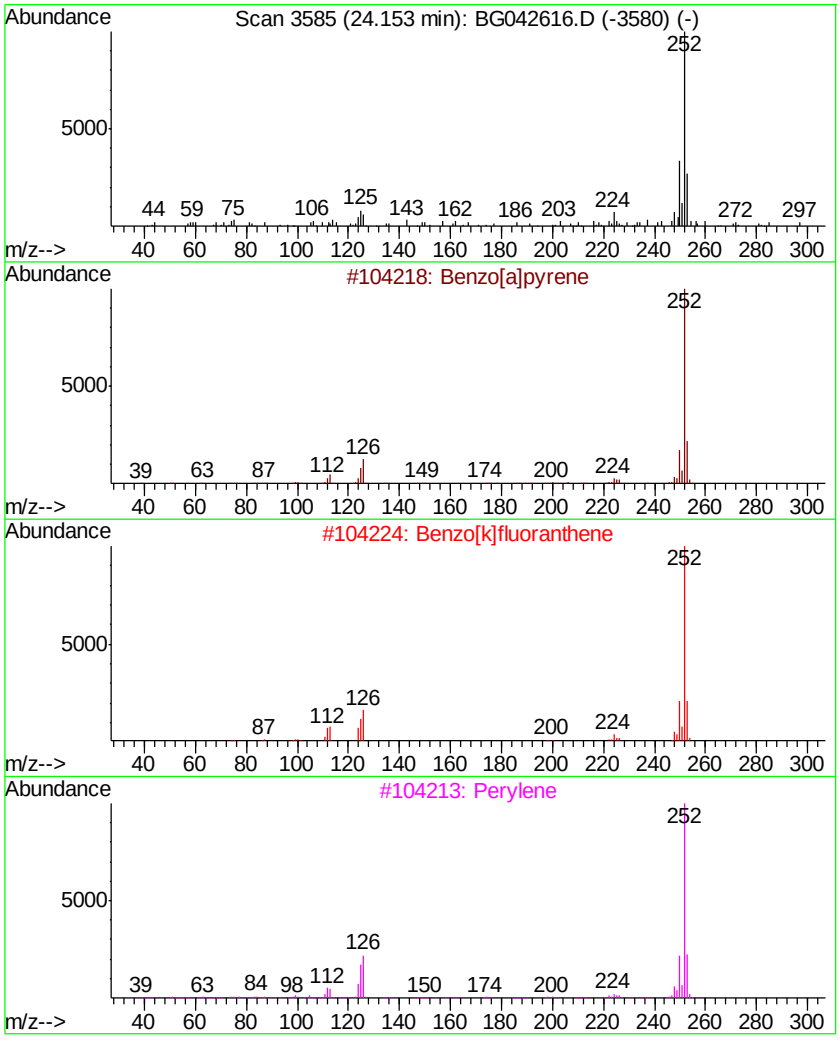
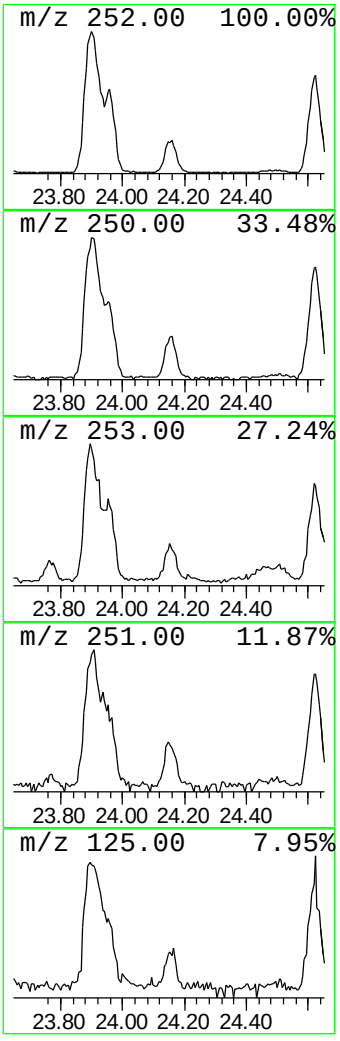
Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.15	2.03 ng	74374	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Perylene	252	C20H12	000198-55-0	76
4	Benzo[e]pyrene	252	C20H12	000192-97-2	74
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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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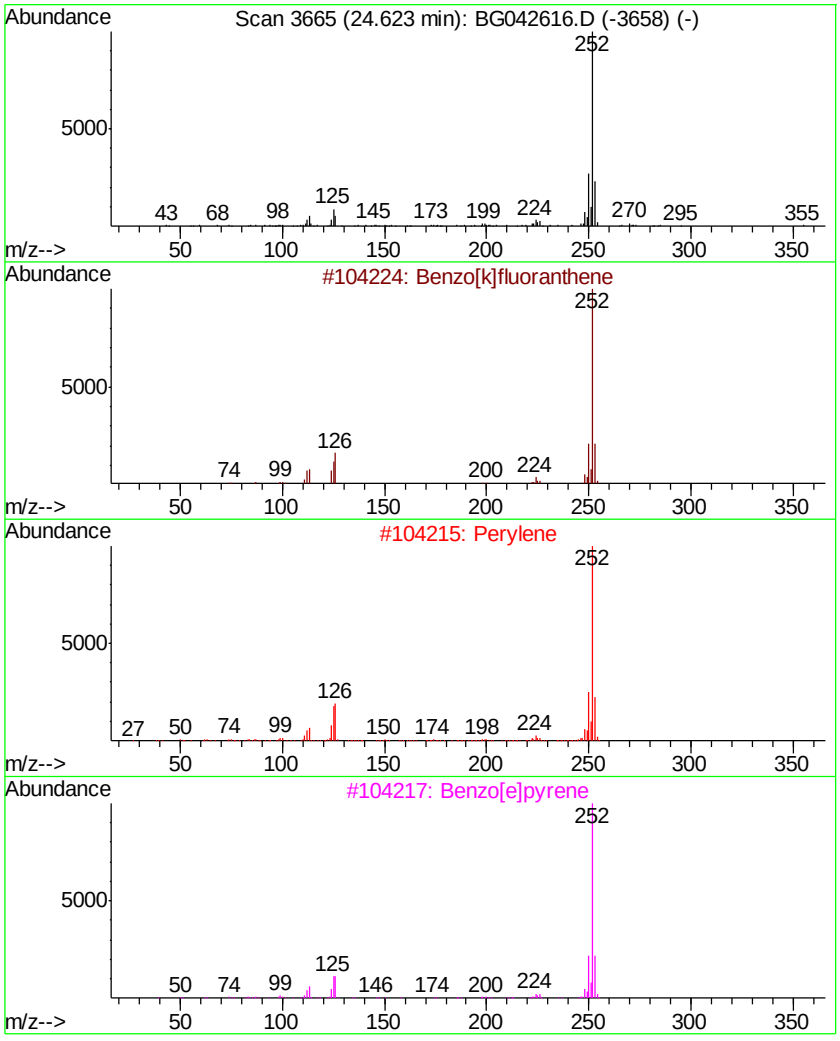
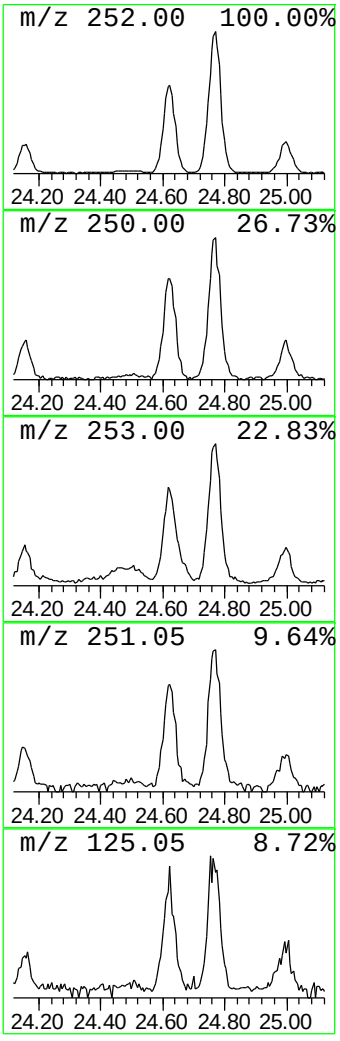
Peak Number 20 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.62	5.62 ng	205956	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-4-12-14

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	15.9	ng	140795	1	8.00	176534	20.0
unknown7.53	7.53	81.3	ng	717790	1	8.00	176534	20.0
Anthracene, 9-met...	18.29	3.9	ng	97001	4	17.41	499161	20.0
Phenanthrene, 1-m...	18.34	3.0	ng	75842	4	17.41	499161	20.0
Anthracene, 1-met...	18.42	2.6	ng	65987	4	17.41	499161	20.0
4H-Cyclopenta[def...	18.48	7.0	ng	173649	4	17.41	499161	20.0
di-p-Tolylacetylene	19.20	3.0	ng	74335	4	17.41	499161	20.0
Pyrene, 1-methyl-	20.15	2.0	ng	102118	5	21.68	1018150	20.0
11H-Benzo[b]fluorene	20.32	3.4	ng	171255	5	21.68	1018150	20.0
11H-Benzo[a]fluorene	20.42	2.6	ng	133888	5	21.68	1018150	20.0
Pyrene, 4-methyl-	20.47	2.2	ng	109736	5	21.68	1018150	20.0
unknown20.90	20.90	2.5	ng	128173	5	21.68	1018150	20.0
unknown21.22	21.22	2.6	ng	134859	5	21.68	1018150	20.0
unknown21.28	21.28	3.5	ng	178131	5	21.68	1018150	20.0
Propanenitrile, 3...	21.51	14.8	ng	753613	5	21.68	1018150	20.0
unknown21.57	21.57	7.3	ng	372426	5	21.68	1018150	20.0
Dimethyl-[4-[2-(3...	21.88	2.2	ng	114004	5	21.68	1018150	20.0
Benzo[e]pyrene	24.15	2.0	ng	74374	6	24.92	732817	20.0
Perylene	24.62	5.6	ng	205956	6	24.92	732817	20.0