LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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	3.114	3	4	17	rVB	89058	109553	6.63%	0.822%
2	5.552	413	419	436	rVB	303760	487078	29.46%	3.655%
3	7.162	685	693	709	rBV	312708	578429	34.98%	4.341%
4	7.526	748	755	765	rBV	337456	586386	35.46%	4.401%
5	7.996	828	835	844	rBV	103318	171185	10.35%	1.285%
6	8.319	883	890	899	rBV	246923	430081	26.01%	3.228%
7	9.165	1026	1034	1044	rBV	177824	339060	20.50%	2.545%
8	10.816	1307	1315	1332	rBV	119989	243092	14.70%	1.824%
9	13.272	1726	1733	1754	rBV	571185	945982	57.21%	7.099%
10	14.107	1868	1875	1885	rBV2	28587	54946	3.32%	0.412%
11	14.659	1961	1969	1977	rBV2	241640	411554	24.89%	3.089%
12	15.711	2140	2148	2154	rBV	12663	22241	1.35%	0.167%
13	16.145	2216	2222	2241	rBV	520703	927666	56.10%	6.962%
14	17.409	2431	2437	2441	rBV2	347016	556081	33.63%	4.173%
15	17.450	2441	2444	2452	rVV	212826	307776	18.61%	2.310%
16	17.544	2452	2460	2466	rVB2	52583	89824	5.43%	0.674%
17	17.820	2500	2507	2515	rBV2	14493	31748	1.92%	0.238%
18	18.290	2582	2587	2591	rBV	25275	47528	2.87%	0.357%
19	18.337	2591	2595	2602	rVB2	34734	57667	3.49%	0.433%
20	18.419	2605	2609	2614	rBV2	12856	20398	1.23%	0.153%
21	18.484	2614	2620	2625	rBV	58965	103126	6.24%	0.774%
22	18.784	2665	2671	2675	rBV	21755	33114	2.00%	0.249%
23	19.201	2736	2742	2747	rBV	20717	36816	2.23%	0.276%
24	19.336	2760	2765	2772	rVB6	7753	17320	1.05%	0.130%
25	19.465	2781	2787	2793	rBV	440445	640595	38.74%	4.808%
26	19.712	2824	2829	2838	rVB3	16008	35694	2.16%	0.268%
27	19.823	2844	2848	2857	rVB	351859	536431	32.44%	4.026%
28	19.900	2857	2861	2869	rVB3	23053	38530	2.33%	0.289%
29	20.017	2874	2881	2895	rVB	1194288	1653562	100.00%	12.410%
30	20.141	2897	2902	2910	rBV4	21318	57659	3.49%	0.433%
31	20.317	2921	2932	2936	rBV	82013	142498	8.62%	1.069%
32	20.417	2944	2949	2953	rBV	74664	105022	6.35%	0.788%
33	20.476	2953	2959	2962	rVV2	30718	58418	3.53%	0.438%
34	20.511	2962	2965	2969	rVB2	13551	18264	1.10%	0.137%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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	20.617	2979	2983	2987	rBV	19998	34668	2.10%	0.260%
36	20.664	2987	2991	2994	rVV	22151	36873	2.23%	0.277%
37	20.816	3013	3017	3019	rBV2	14057	18518	1.12%	0.139%
38	21.087	3059	3063	3069	rVB4	10856	22242	1.35%	0.167%
39	21.263	3086	3093	3097	rBV2	25518	51618	3.12%	0.387%
40	21.322	3097	3103	3107	rBV2	39305	82078	4.96%	0.616%
41	21.680	3153	3164	3170	rBV3	458672	1043165	63.09%	7.829%
42	21.727	3170	3172	3185	rVB	122033	191127	11.56%	1.434%
43	21.880	3193	3198	3206	rVB2	43996	75378	4.56%	0.566%
44	22.097	3230	3235	3236	rBV2	16747	25871	1.56%	0.194%
45	22.415	3281	3289	3295	rBV3	21537	49008	2.96%	0.368%
46	22.491	3296	3302	3306	rBV4	24417	41527	2.51%	0.312%
47	22.697	3332	3337	3340	rVV4	12117	22838	1.38%	0.171%
48	22.744	3342	3345	3352	rVB3	17936	31286	1.89%	0.235%
49	22.861	3354	3365	3373	rVB3	11790	41684	2.52%	0.313%
50	23.178	3414	3419	3426	rVB4	29622	62153	3.76%	0.466%
51	23.901	3532	3542	3549	rBV2	77772	256090	15.49%	1.922%
52	24.154	3579	3585	3593	rVB2	14198	35449	2.14%	0.266%
53	24.624	3656	3665	3676	rVB2	37707	114665	6.93%	0.861%
54	24.771	3680	3690	3704	rVB	60534	177788	10.75%	1.334%
55	24.923	3704	3716	3728	rBV2	246259	817944	49.47%	6.138%
56	26.093	3908	3915	3925	rVB6	15177	47999	2.90%	0.360%
57	27.456	4137	4147	4152	rBV10	8472	30833	1.86%	0.231%
58	28.637	4338	4348	4361	rVB4	17427	72353	4.38%	0.543%
59	29.788	4533	4544	4555	rBV6	11192	46344	2.80%	0.348%

Sum of corrected areas: 13324823

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
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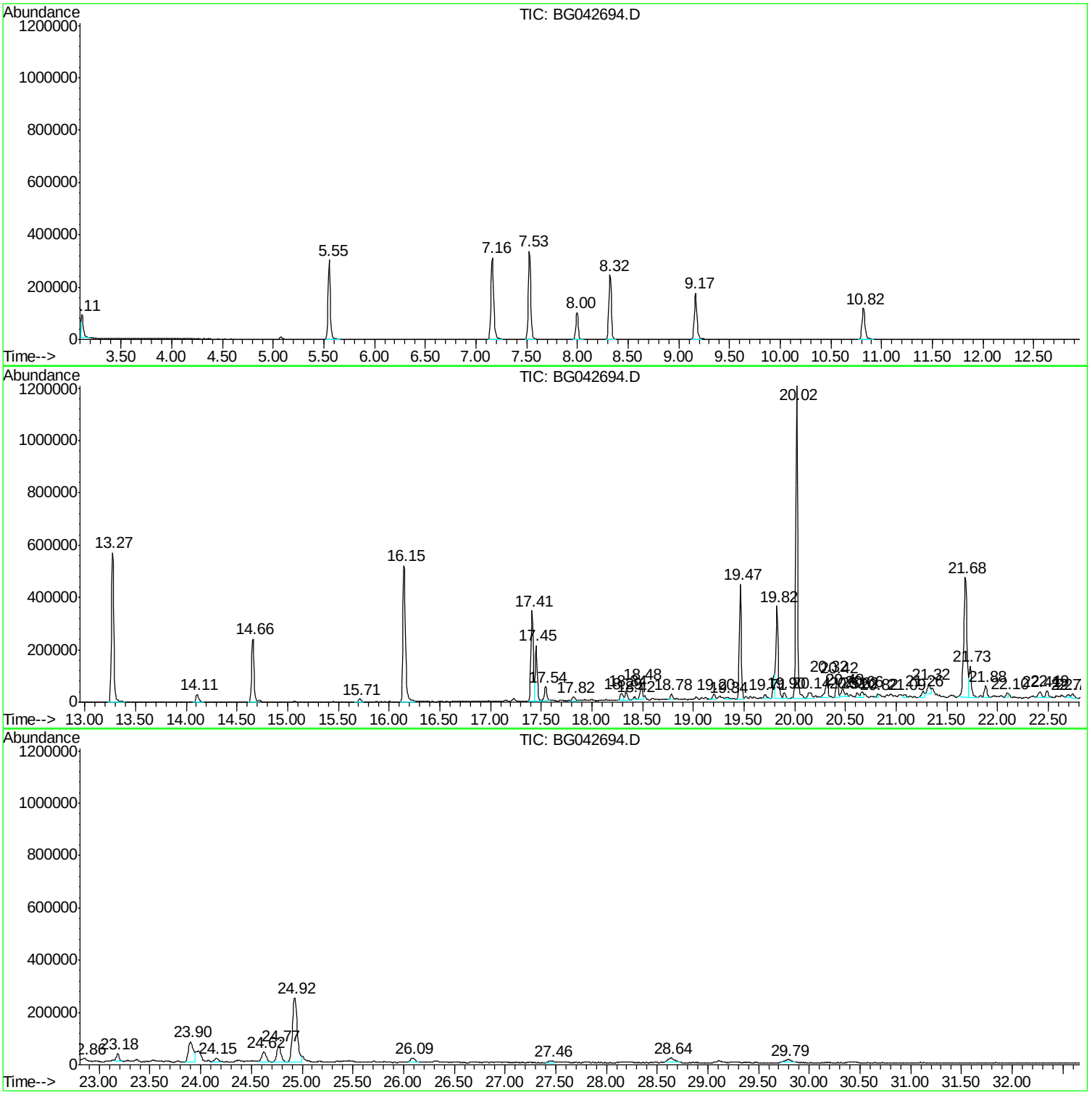
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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

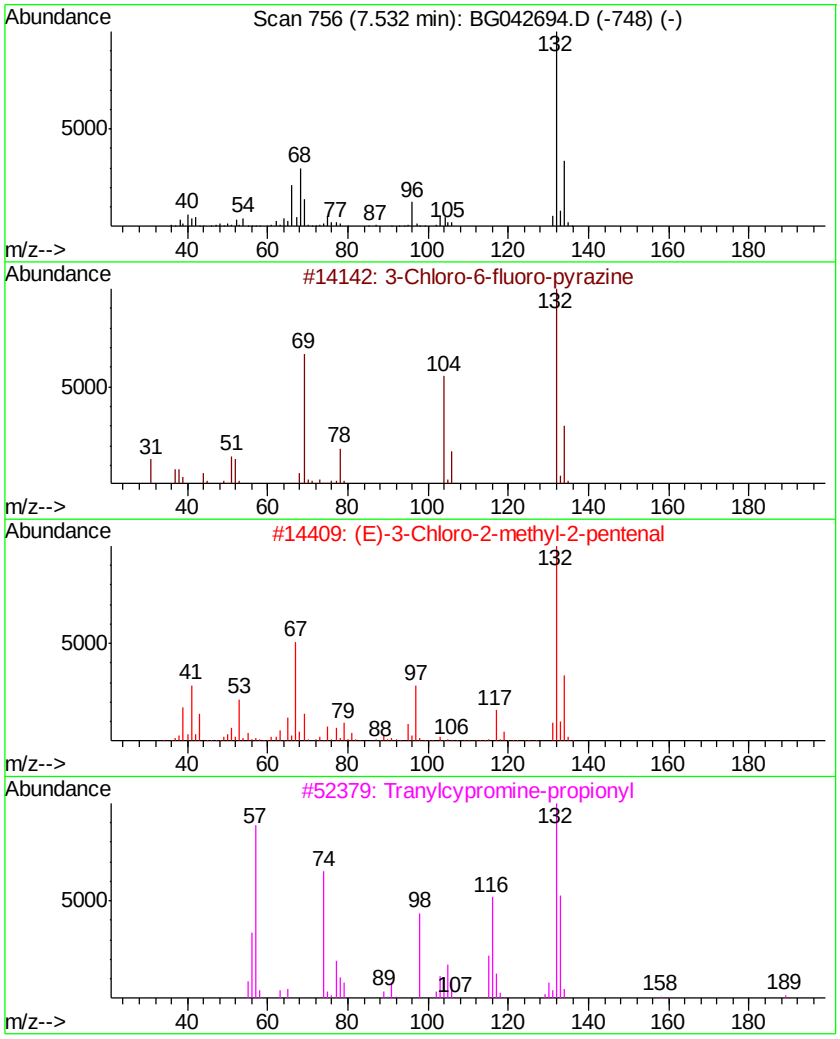
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

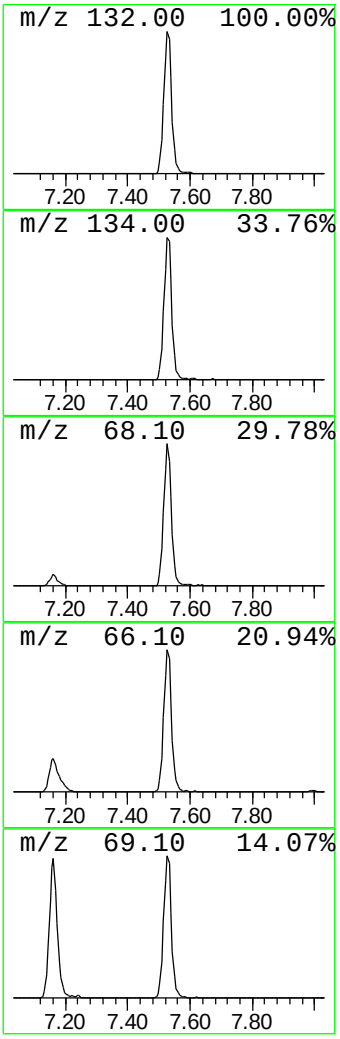
****

Peak Number 2 unknown7.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	68.51 ng	586386	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	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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

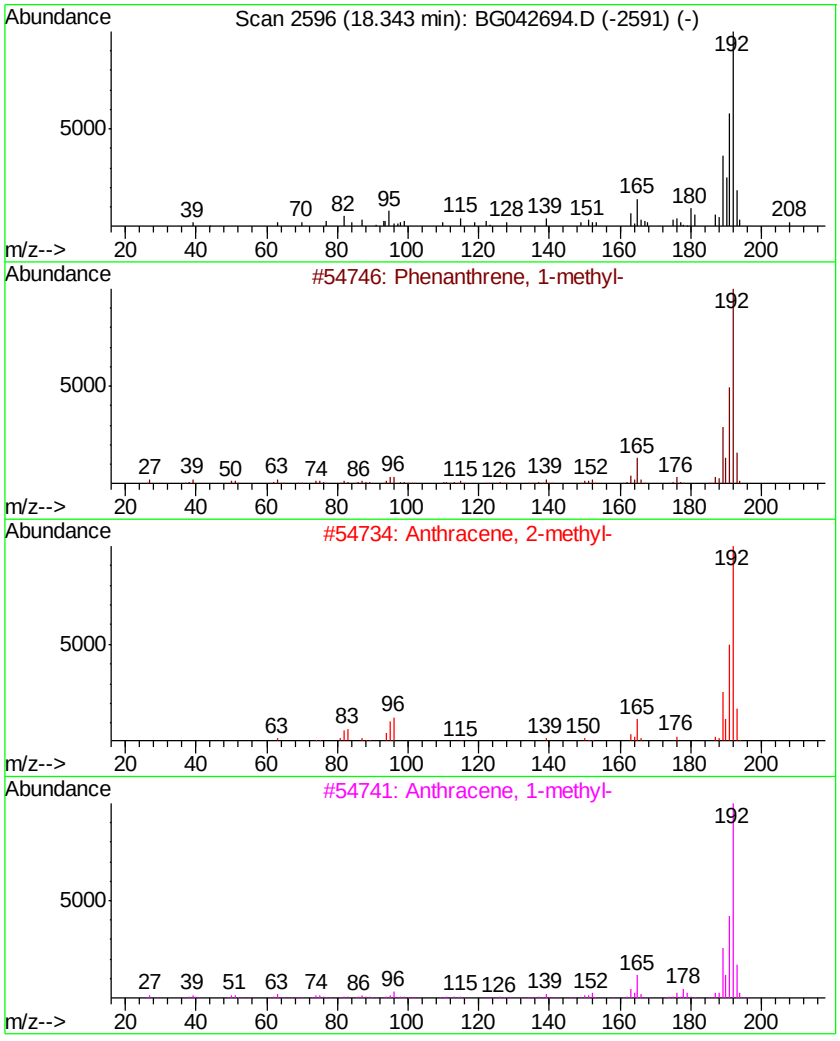
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

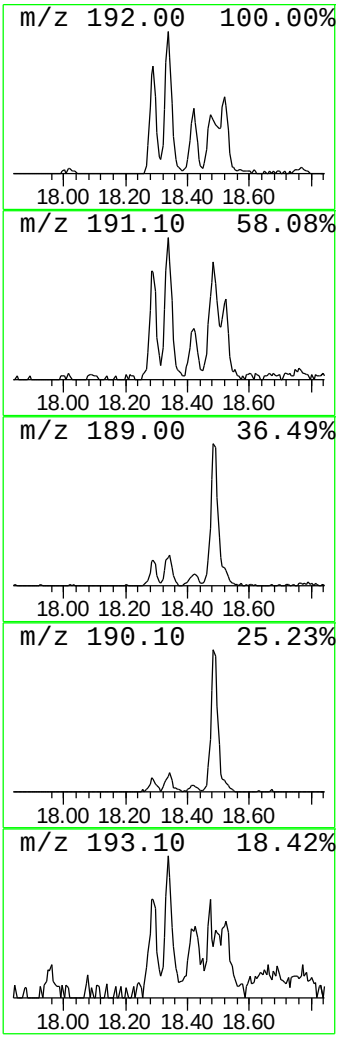
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.07 ng	57667	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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

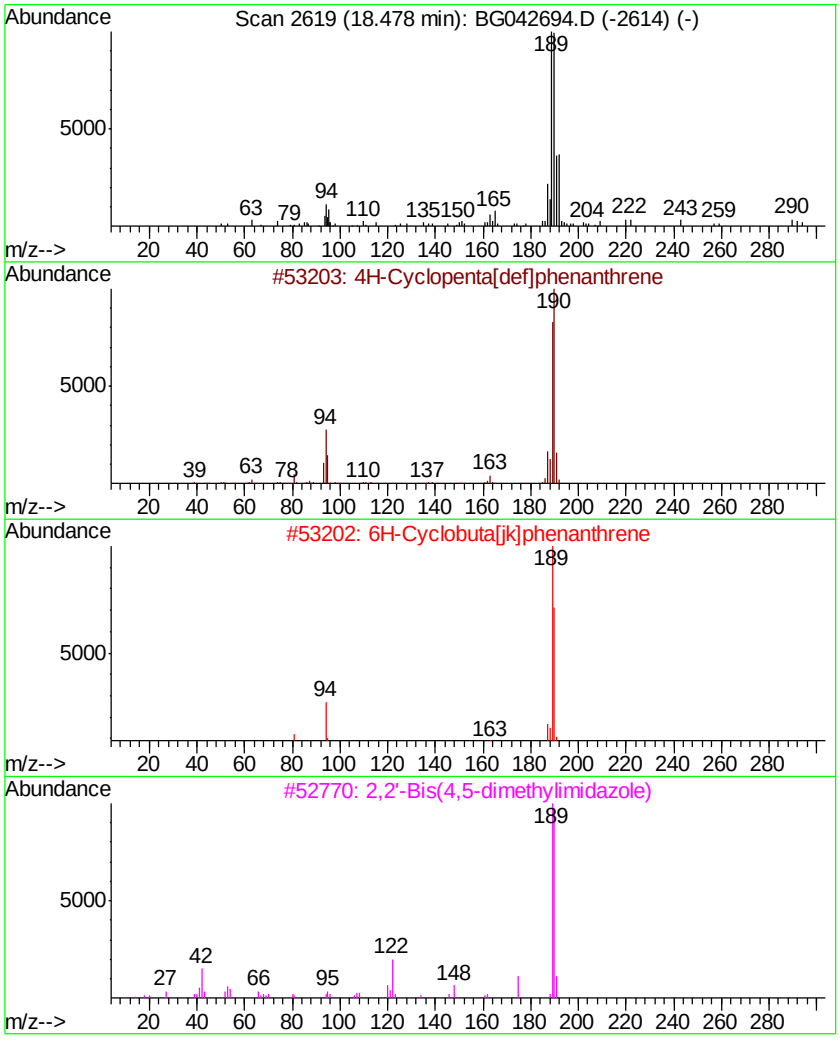
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

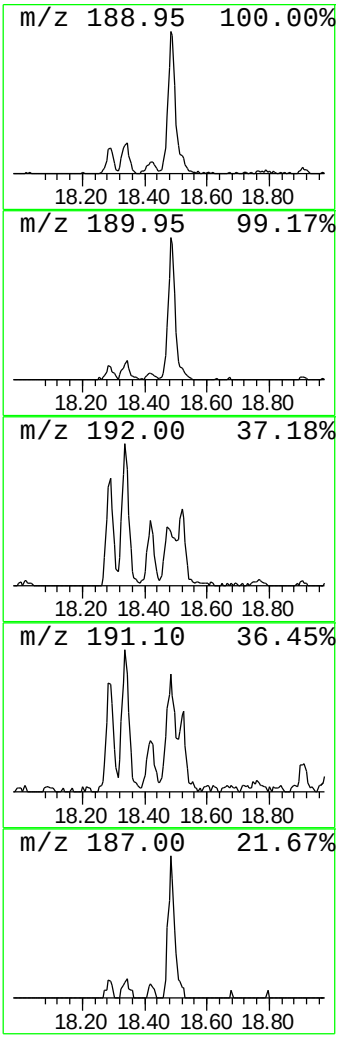
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.71 ng	103126	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1,1'-Biphenyl,3,3'-difluoro-	190	C12H8F2	000396-64-5	38
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

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

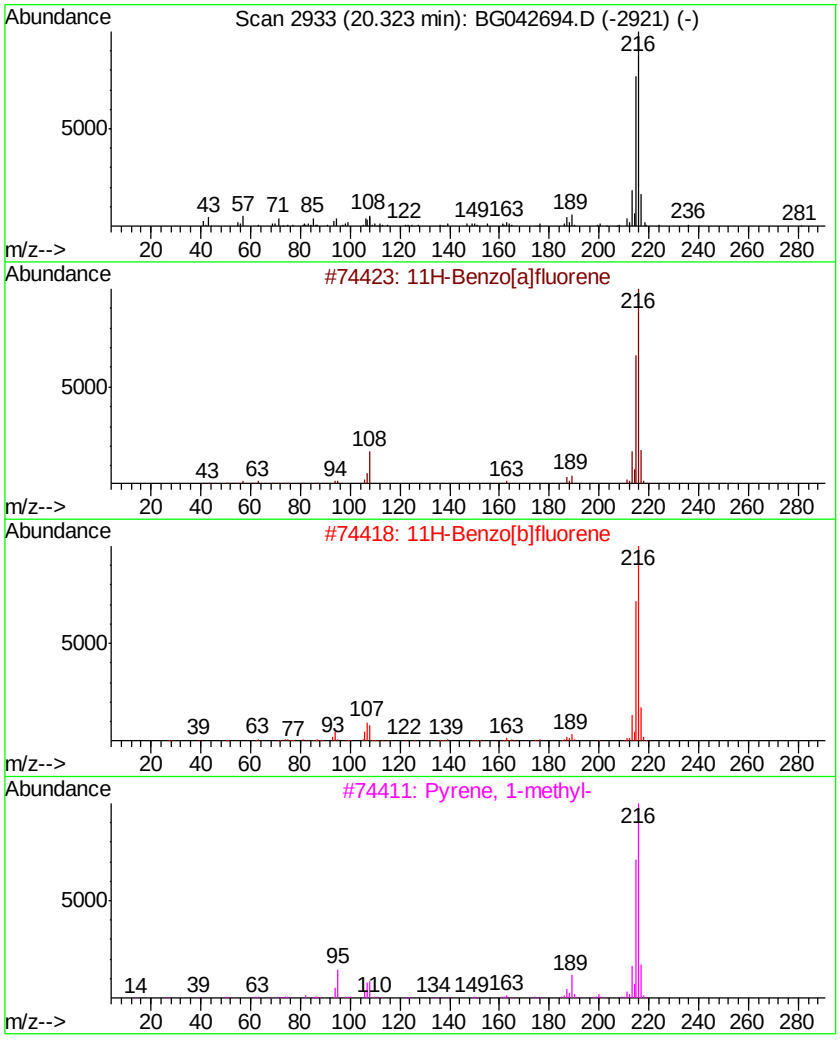
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

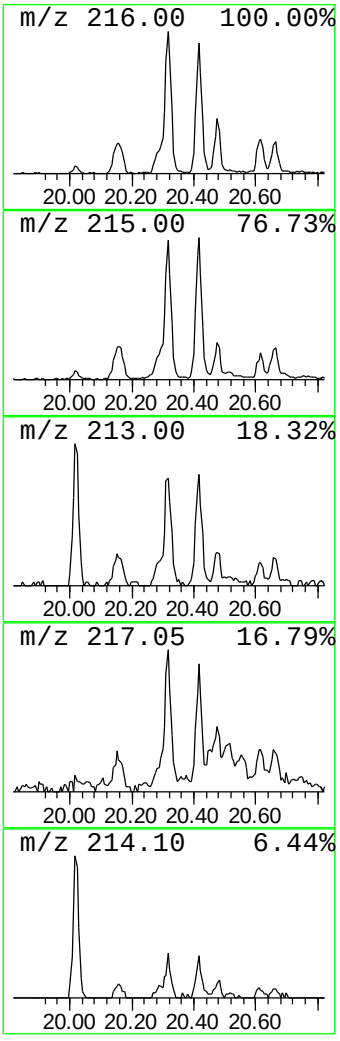
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.73 ng	142498	Chrysene-d12	21.69

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Acq On : 3 Sep 2019 18:29
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Sample : K4603-11
Misc :
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Instrument : BNA_G
ClientSampleId :

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

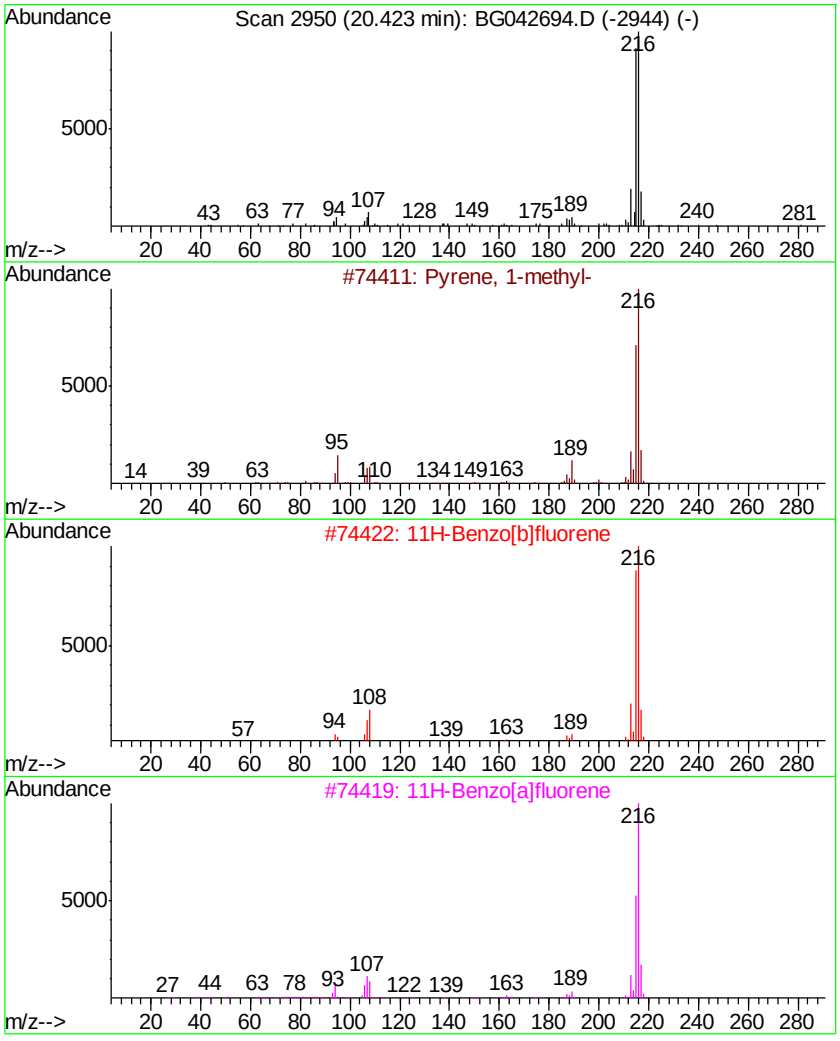
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

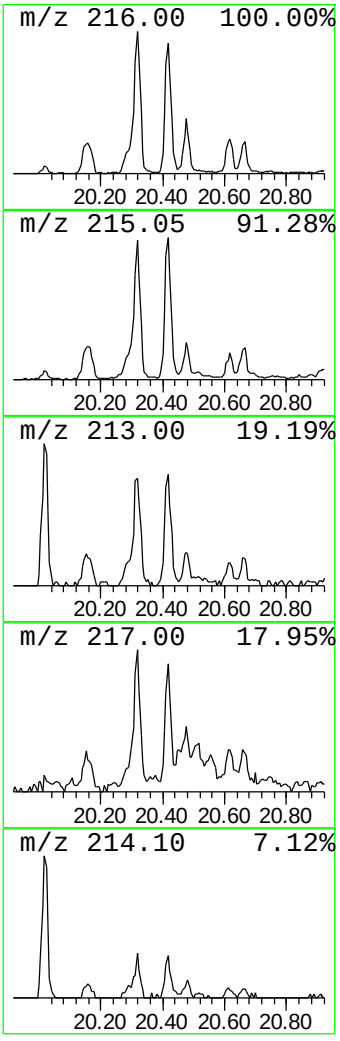
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.01 ng	105022	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





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Misc :
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Instrument : BNA_G
ClientSampleId :

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

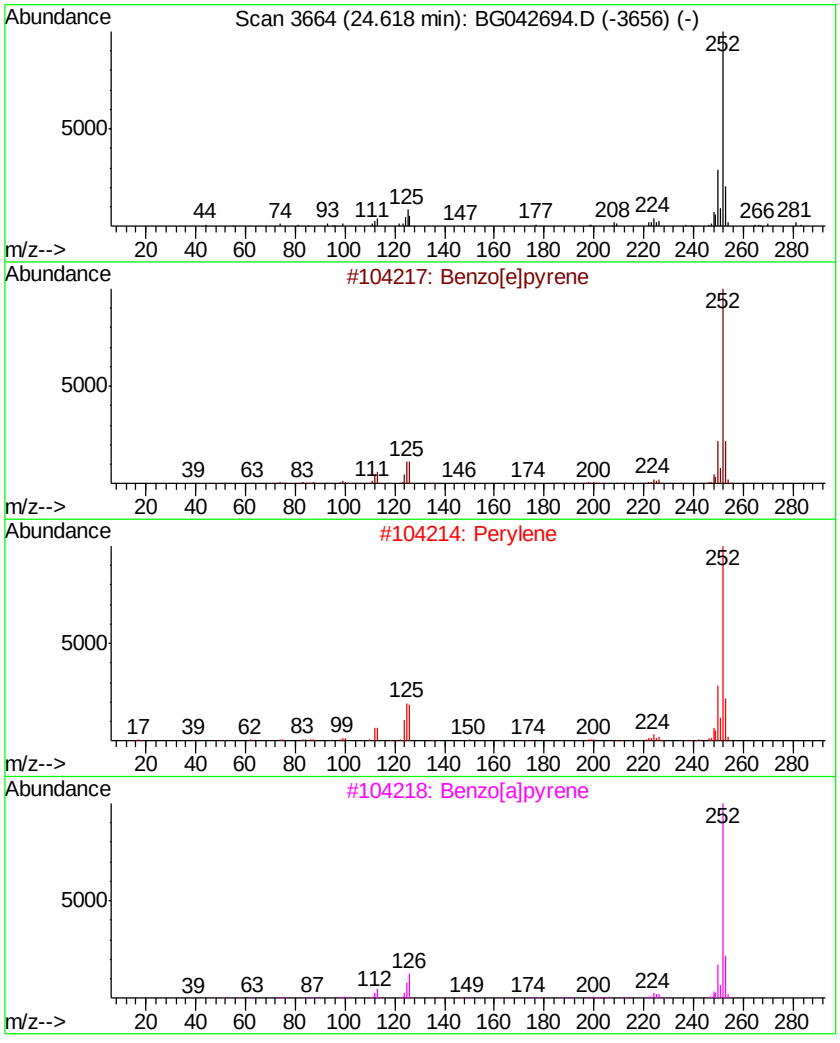
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

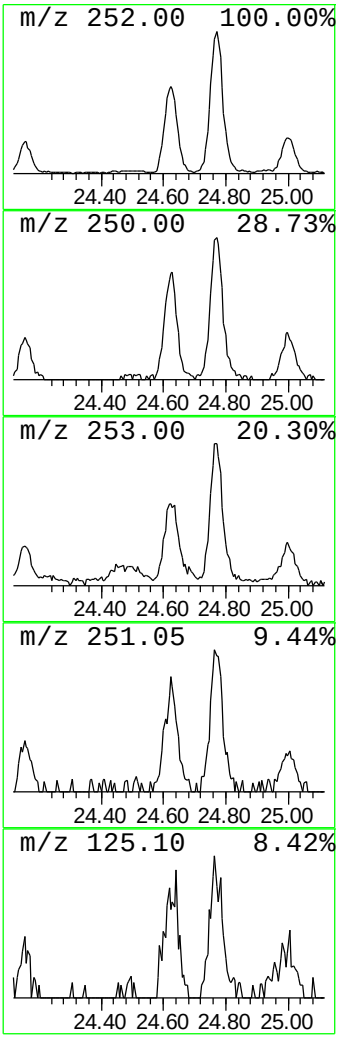
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.62	2.80 ng	114665	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
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Instrument :
BNA_G
ClientSampleId :

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
unknown7.53	7.53	68.5	ng	586386	1	8.00	171185	20.0
Phenanthrene, 1-m...	18.34	2.1	ng	57667	4	17.41	556081	20.0
4H-Cyclopenta[def...	18.48	3.7	ng	103126	4	17.41	556081	20.0
11H-Benzo[a]fluorene	20.32	2.7	ng	142498	5	21.69	1043170	20.0
Pyrene, 1-methyl-	20.42	2.0	ng	105022	5	21.69	1043170	20.0
Benzo[e]pyrene	24.62	2.8	ng	114665	6	24.92	817944	20.0