LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042520.D
Acq On : 28 Aug 2019 1:17
Operator : HP/JU
Sample : K4525-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T9-12-13-B1-B4-(0-1.9)

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	20	rVB	428112	541777	30.52%	3.432%
2	5.553	412	419	430	rBV	369437	620790	34.97%	3.932%
3	7.162	682	693	708	rBV	388947	724300	40.80%	4.588%
4	7.533	748	756	769	rBV	403783	725955	40.89%	4.598%
5	7.997	829	835	844	rBV	121868	209946	11.83%	1.330%
6	8.326	882	891	900	rBV	299561	548849	30.92%	3.477%
7	9.166	1026	1034	1047	rBV	216152	419735	23.64%	2.659%
8	10.823	1308	1316	1333	rBV	148161	293247	16.52%	1.858%
9	13.279	1726	1734	1751	rBV	610156	1010868	56.94%	6.403%
10	14.107	1869	1875	1885	rBV	35648	63375	3.57%	0.401%
11	14.660	1961	1969	1976	rBV	276584	444419	25.03%	2.815%
12	15.711	2142	2148	2161	rBV	10918	19070	1.07%	0.121%
13	16.152	2216	2223	2244	rBV	606897	1019371	57.42%	6.457%
14	17.069	2373	2379	2384	rBV	9561	18367	1.03%	0.116%
15	17.409	2431	2437	2441	rBV	383358	596837	33.62%	3.781%
16	17.450	2441	2444	2451	rVV	238880	353990	19.94%	2.242%
17	17.544	2454	2460	2465	rVB	22291	42130	2.37%	0.267%
18	17.815	2502	2506	2515	rBV	14677	28474	1.60%	0.180%
19	18.291	2581	2587	2592	rBV	23703	55652	3.13%	0.353%
20	18.338	2592	2595	2605	rVB2	32375	58798	3.31%	0.372%
21	18.485	2614	2620	2624	rBV3	43491	74919	4.22%	0.475%
22	18.602	2635	2640	2645	rBV5	10261	20202	1.14%	0.128%
23	18.784	2667	2671	2674	rBV	21150	29291	1.65%	0.186%
24	18.831	2674	2679	2686	rVB	32994	53662	3.02%	0.340%
25	19.201	2738	2742	2748	rBV3	13173	26932	1.52%	0.171%
26	19.342	2762	2766	2771	rBV3	18908	32340	1.82%	0.205%
27	19.466	2781	2787	2794	rBV	510230	737410	41.54%	4.671%
28	19.571	2800	2805	2808	rBV7	16398	28409	1.60%	0.180%
29	19.707	2824	2828	2833	rBV	14748	21623	1.22%	0.137%
30	19.824	2838	2848	2856	rBV	453395	742289	41.81%	4.702%
31	19.895	2857	2860	2864	rVB3	16916	24400	1.37%	0.155%
32	20.024	2875	2882	2887	rBV	1299673	1775193	100.00%	11.245%
33	20.153	2898	2904	2909	rBV4	22712	56171	3.16%	0.356%
34	20.318	2929	2932	2937	rVB	48063	66262	3.73%	0.420%

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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

35	20.418	2946	2949	2953	rBV	20521	25914	1.46%	0.164%
36	20.476	2956	2959	2963	rVB2	23958	33092	1.86%	0.210%
37	20.658	2988	2990	2995	rVB	16682	18326	1.03%	0.116%
38	21.681	3156	3164	3169	rBV2	543759	1207101	68.00%	7.646%
39	21.734	3169	3173	3185	rVB	212384	363165	20.46%	2.300%
40	21.881	3196	3198	3205	rVB2	41503	52401	2.95%	0.332%
41	23.896	3534	3541	3549	rBV2	169990	545808	30.75%	3.457%
42	24.624	3659	3665	3678	rVB2	113691	326308	18.38%	2.067%
43	24.771	3682	3690	3701	rBV2	144151	423266	23.84%	2.681%
44	24.930	3708	3717	3726	rBV2	290645	844606	47.58%	5.350%
45	28.626	4338	4346	4366	rVB4	83181	385264	21.70%	2.440%
46	29.760	4532	4539	4540	rBV	41488	76724	4.32%	0.486%

Sum of corrected areas: 15787028

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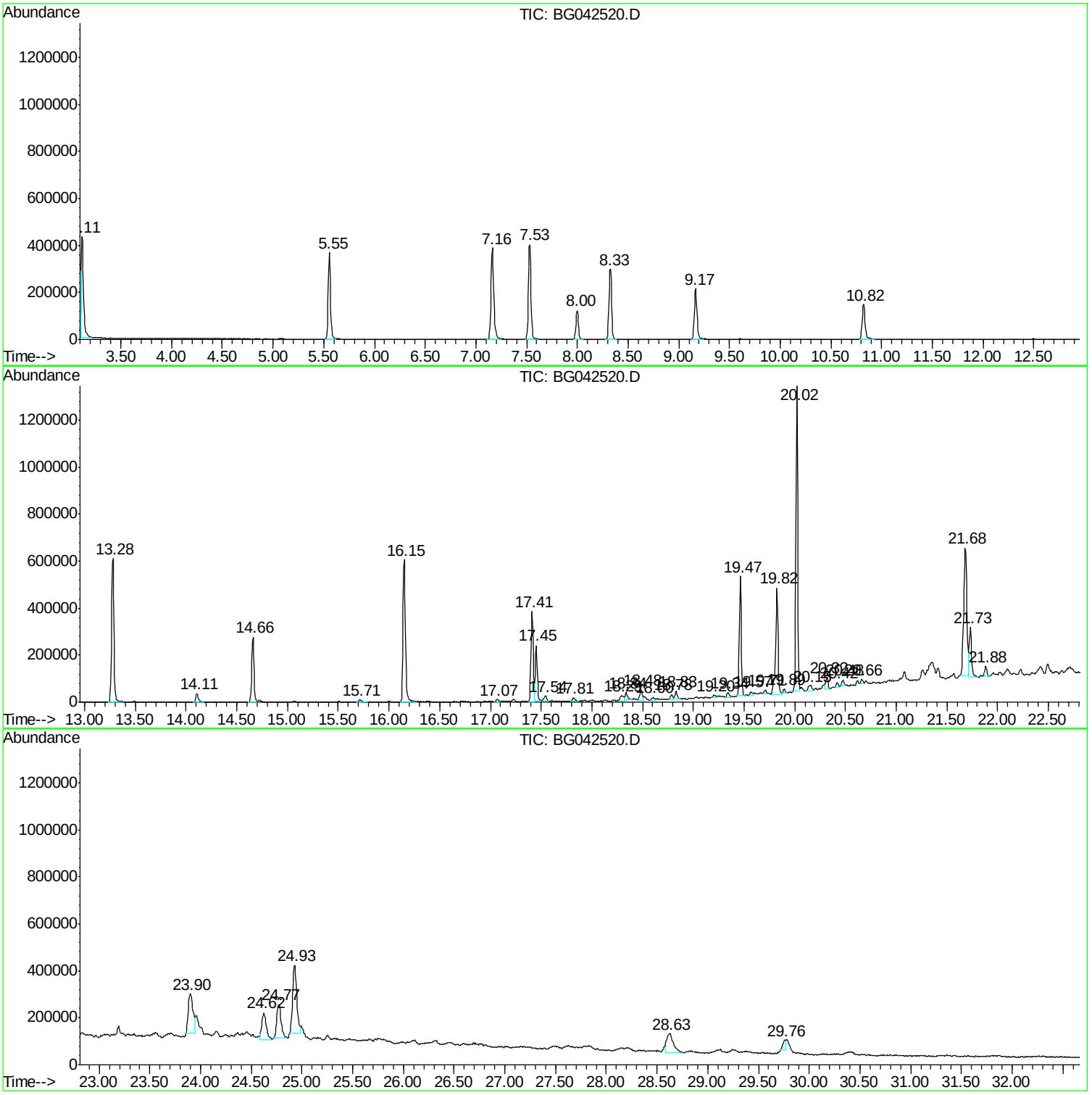
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042520.D
Acq On : 28 Aug 2019 1:17
Operator : HP/JU
Sample : K4525-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T9-12-13-B1-B4-(0-1.9)

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

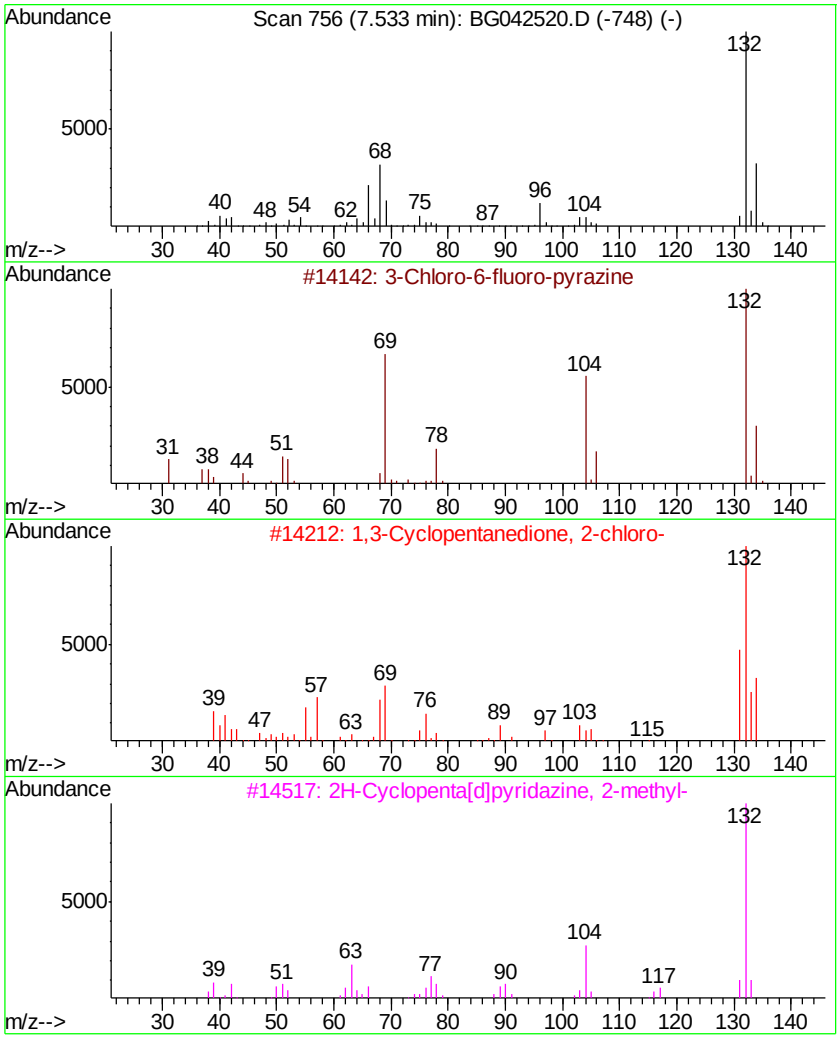
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

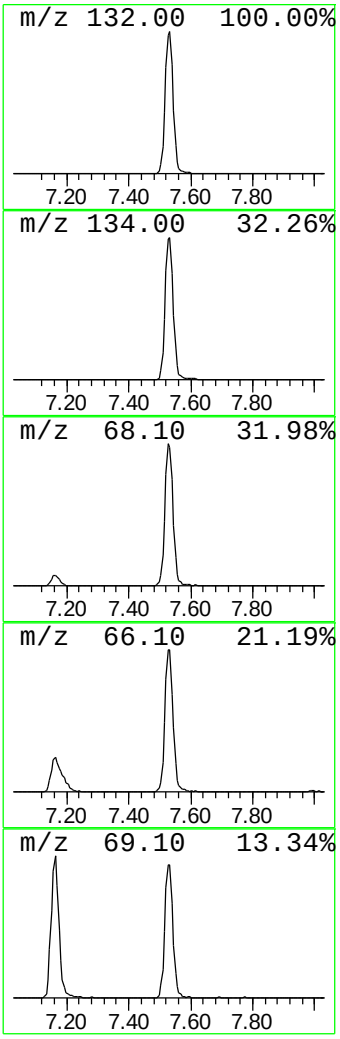
****

Peak Number 2 unknown7.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	69.16 ng	725955	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	38
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	37
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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

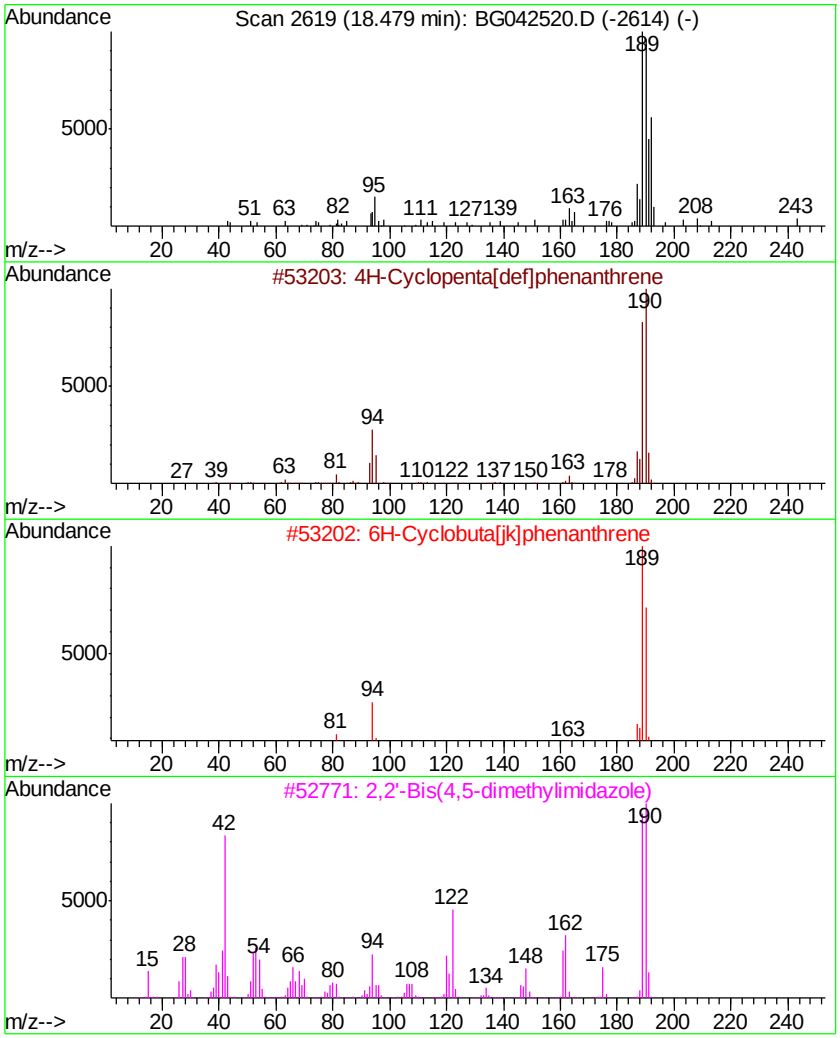
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

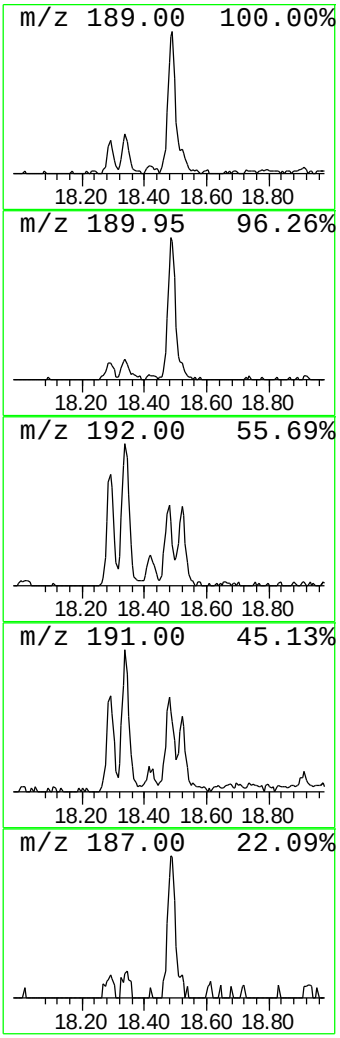
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.51 ng	74919	Phenanthrene-d10	17.41

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	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	25
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T9-12-13-B1-B4-(0-1.9)

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

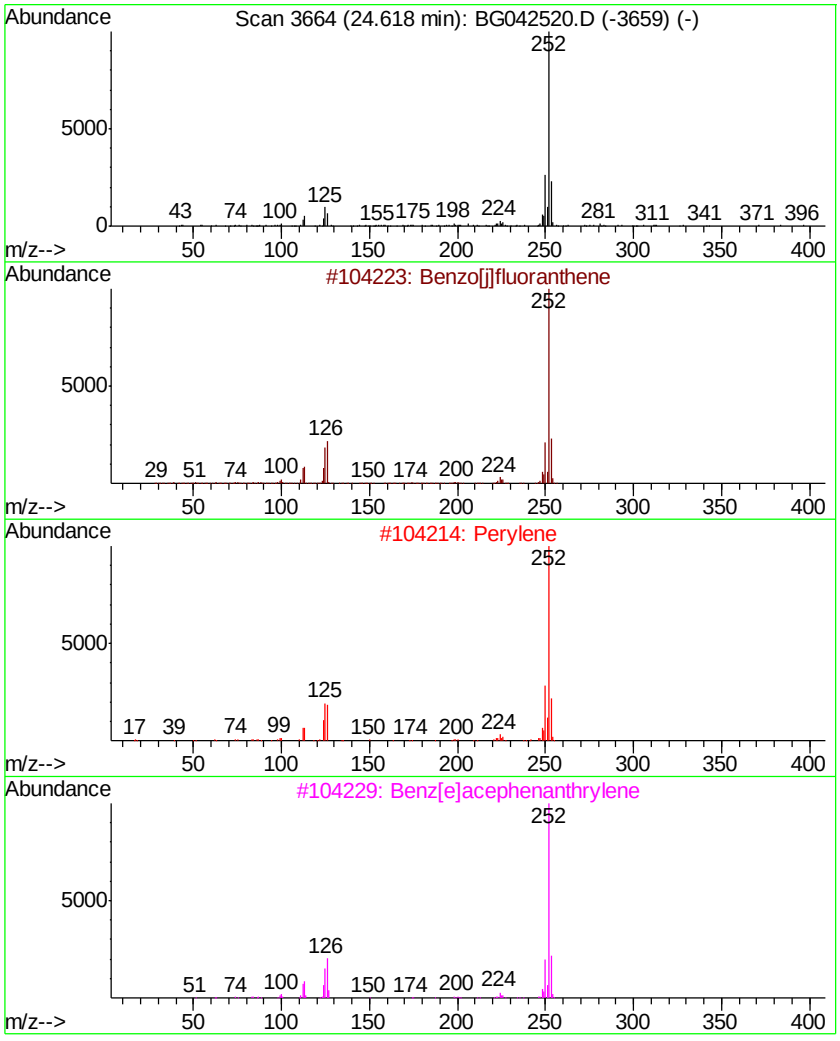
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

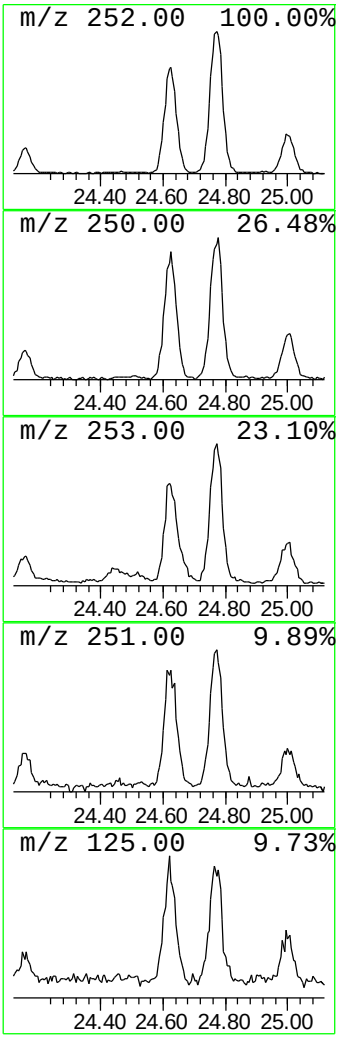
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.62	7.73 ng	326308	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
2	Perylene	252	C20H12	000198-55-0	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_G
ClientSampleId : T9-12-13-B1-B4-(0-1.9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.53	7.53	69.2	ng	725955	1	8.00	209946	20.0
4H-Cyclopenta[def...	18.48	2.5	ng	74919	4	17.41	596837	20.0
Benzo[e]pyrene	24.62	7.7	ng	326308	6	24.92	844606	20.0