LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

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_M\METHODS\8270-BM111218.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	4.769	297	303	312	rVB	61728	91528	1.65%	0.132%
2	5.210	371	378	389	rBV	1591840	2347384	42.36%	3.391%
3	6.769	634	643	659	rBV	1470217	2636215	47.57%	3.809%
4	7.122	696	703	712	rBV	1638380	2604778	47.00%	3.763%
5	7.581	775	781	790	rBV	1043371	1618255	29.20%	2.338%
6	7.893	828	834	843	rBV	1238295	2007217	36.22%	2.900%
7	8.734	970	977	985	rBV	829514	1492730	26.94%	2.157%
8	10.351	1242	1252	1267	rBV	1224514	2215316	39.97%	3.201%
9	12.839	1668	1675	1690	rBV	1961145	2966244	53.52%	4.285%
10	13.698	1816	1821	1829	rBV	99968	167052	3.01%	0.241%
11	13.951	1859	1864	1873	rBV	57027	103531	1.87%	0.150%
12	14.227	1905	1911	1918	rBV2	1549663	2439838	44.03%	3.525%
13	14.292	1918	1922	1932	rVB	136727	199431	3.60%	0.288%
14	14.639	1976	1981	1987	rBV	60382	94919	1.71%	0.137%
15	15.286	2084	2091	2102	rVB	157287	254348	4.59%	0.367%
16	15.727	2160	2166	2175	rBV	1286731	2036727	36.75%	2.943%
17	16.298	2252	2263	2267	rBV5	28504	67770	1.22%	0.098%
18	16.645	2318	2322	2329	rVB2	66815	108984	1.97%	0.157%
19	16.804	2344	2349	2356	rVB	104265	155302	2.80%	0.224%
20	16.986	2374	2380	2383	rBV	1626814	2340723	42.24%	3.382%
21	17.027	2383	2387	2393	rVV	2378034	3272725	59.05%	4.728%
22	17.121	2395	2403	2409	rVV	299117	498542	9.00%	0.720%
23	17.192	2409	2415	2421	rVB	39485	74578	1.35%	0.108%
24	17.398	2442	2450	2459	rBV	164109	327961	5.92%	0.474%
25	17.510	2464	2469	2475	rVB3	49285	82425	1.49%	0.119%
26	17.574	2475	2480	2488	rBV8	24919	55877	1.01%	0.081%
27	17.863	2524	2529	2531	rBV	152445	204061	3.68%	0.295%
28	17.992	2547	2551	2556	rVB	44920	65695	1.19%	0.095%
29	18.057	2556	2562	2566	rVV3	364295	560936	10.12%	0.810%
30	18.092	2566	2568	2576	rVB	101381	131130	2.37%	0.189%
31	18.368	2610	2615	2619	rBV	142318	208709	3.77%	0.302%
32	18.415	2619	2623	2629	rVB	288860	403904	7.29%	0.584%
33	18.933	2707	2711	2718	rVB	104056	166397	3.00%	0.240%
34	19.057	2726	2732	2740	rBV	4115947	5541916	100.00%	8.007%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

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_M\METHODS\8270-BM111218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.157	2746	2749	2751	rBV2	52476	58514	1.06%	0.085%
36	19.298	2771	2773	2777	rVB	81941	90740	1.64%	0.131%
37	19.421	2784	2794	2803	rBV	3243094	5041631	90.97%	7.284%
38	19.492	2803	2806	2813	rVB2	107446	156229	2.82%	0.226%
39	19.627	2821	2829	2834	rBV	2110358	2915914	52.62%	4.213%
40	19.745	2844	2849	2856	rBV3	133174	335437	6.05%	0.485%
41	19.809	2857	2860	2863	rBV	62695	66325	1.20%	0.096%
42	19.880	2868	2872	2875	rVV4	113550	204481	3.69%	0.295%
43	19.921	2875	2879	2885	rVB2	375312	513872	9.27%	0.742%
44	20.021	2892	2896	2900	rBV	269628	363252	6.55%	0.525%
45	20.074	2900	2905	2909	rBV2	182382	303228	5.47%	0.438%
46	20.215	2927	2929	2933	rVB	71078	77008	1.39%	0.111%
47	20.674	3004	3007	3012	rVB	191090	233193	4.21%	0.337%
48	20.839	3031	3035	3038	rBV2	247170	347753	6.27%	0.502%
49	20.874	3038	3041	3044	rVV	236479	295538	5.33%	0.427%
50	20.915	3044	3048	3053	rVV2	450032	736104	13.28%	1.063%
51	20.968	3055	3057	3062	rVB	245114	297253	5.36%	0.429%
52	21.192	3088	3095	3098	rBV2	2558698	4830337	87.16%	6.979%
53	21.227	3098	3101	3111	rVB	1738915	2249350	40.59%	3.250%
54	21.345	3118	3121	3127	rBV	242564	330130	5.96%	0.477%
55	22.727	3351	3356	3361	rBV	1594014	3480496	62.80%	5.028%
56	23.192	3430	3435	3443	rVB	939778	1680993	30.33%	2.429%
57	23.280	3445	3450	3457	rVB	1385856	2496261	45.04%	3.606%
58	23.374	3461	3466	3471	rBV	1355285	2408612	43.46%	3.480%
59	25.550	3830	3836	3847	rVB2	832464	2161564	39.00%	3.123%

Sum of corrected areas: 69217363

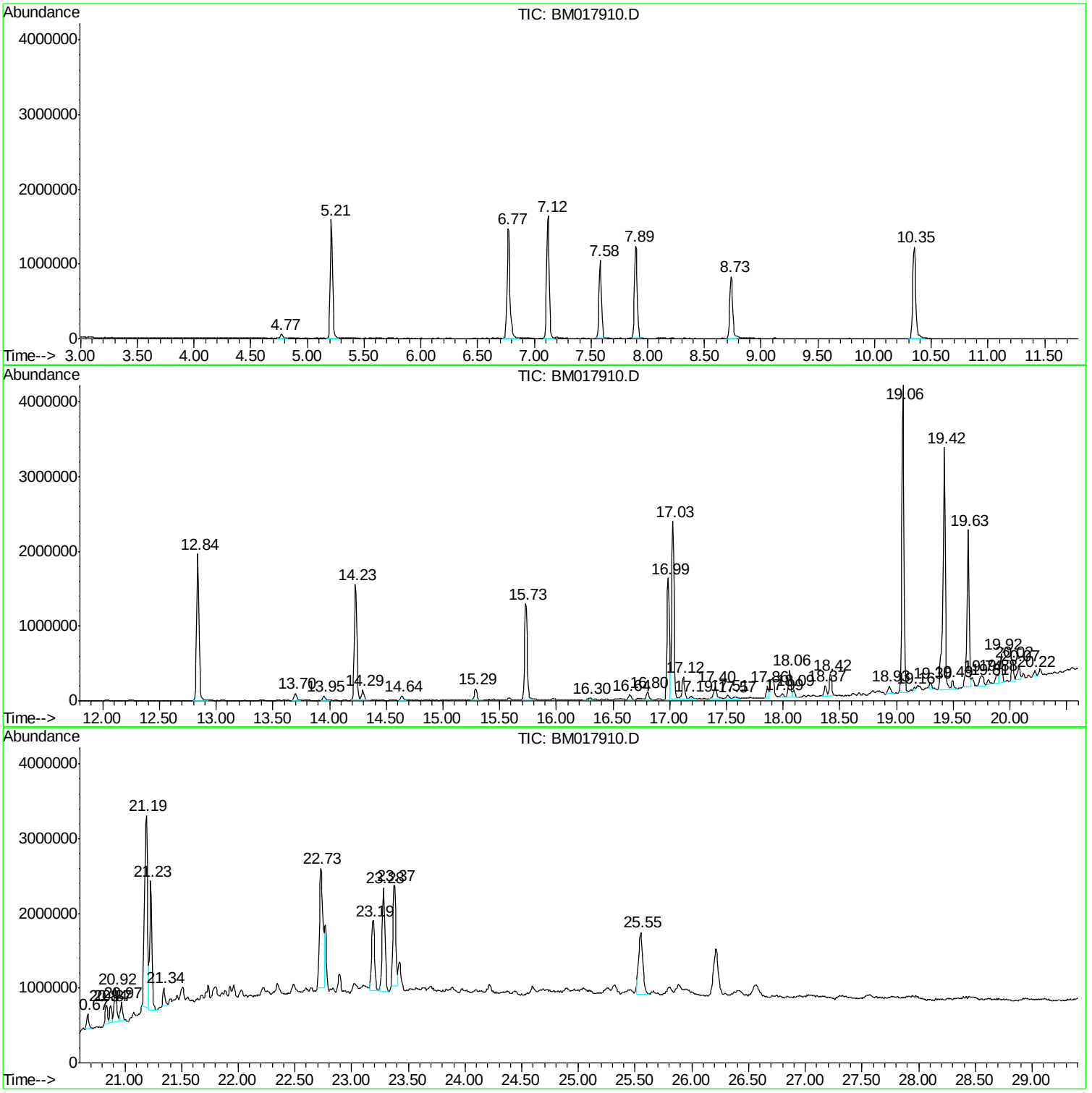
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

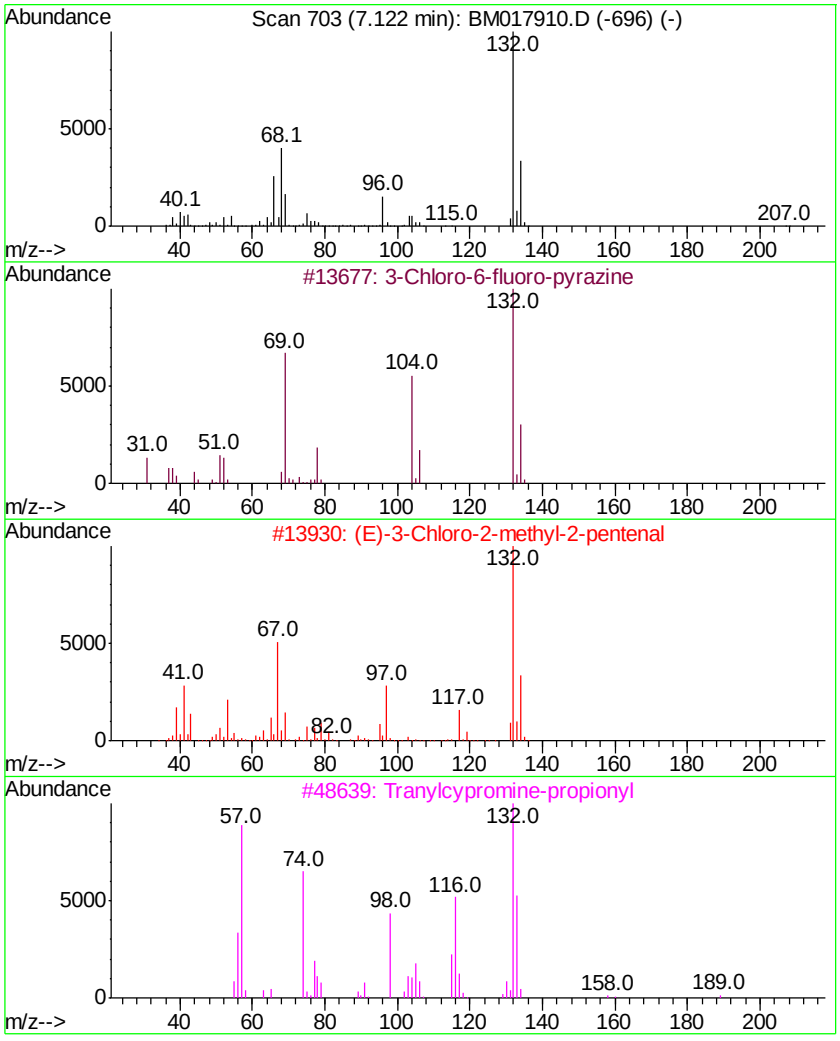
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

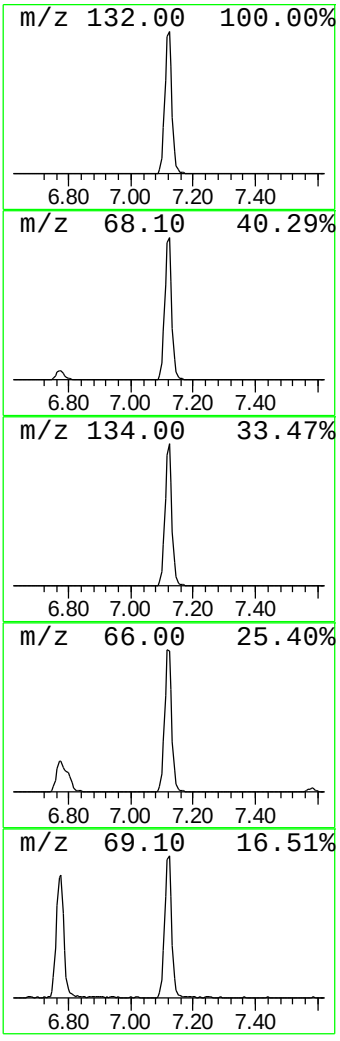
****

Peak Number 1 unknown7.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	32.19 ng	2604780	1,4-Dichlorobenzene-d4	7.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

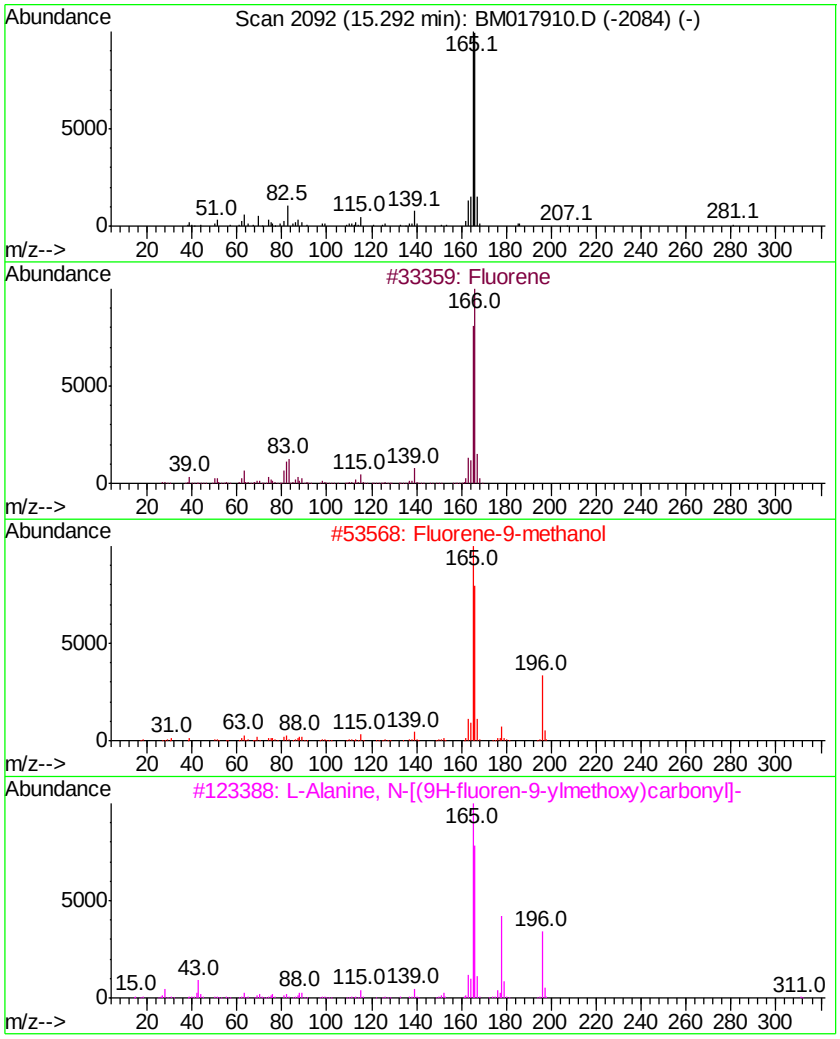
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

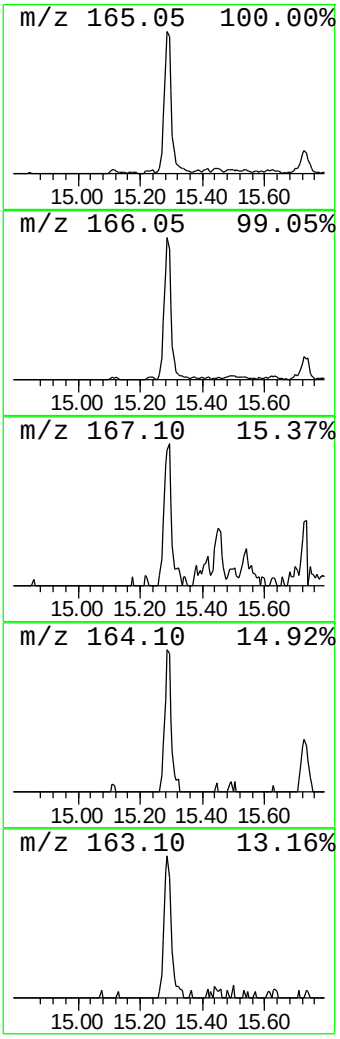
****

Peak Number 3 Fluorene-9-methanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	2.08 ng	254348	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	96
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	72
3	L-Alanine, N-[(9H-fluoren-9-ylme...	311	C18H17NO4	035661-39-3	64
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
5	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

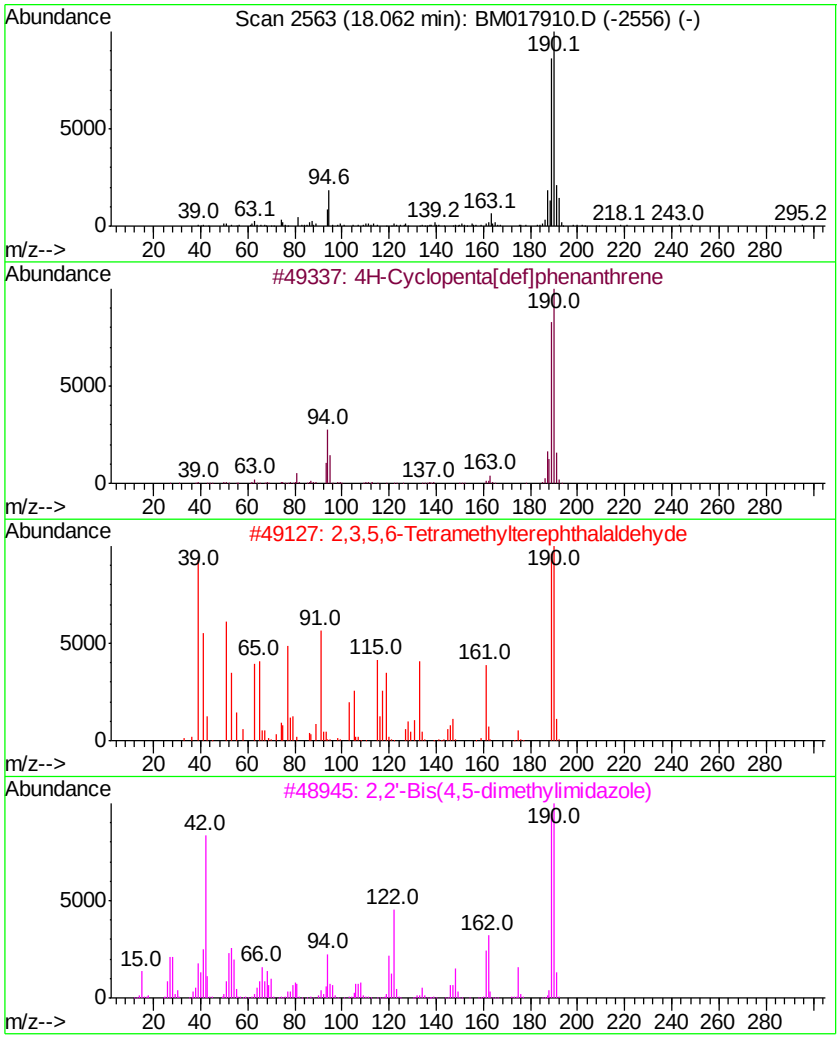
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

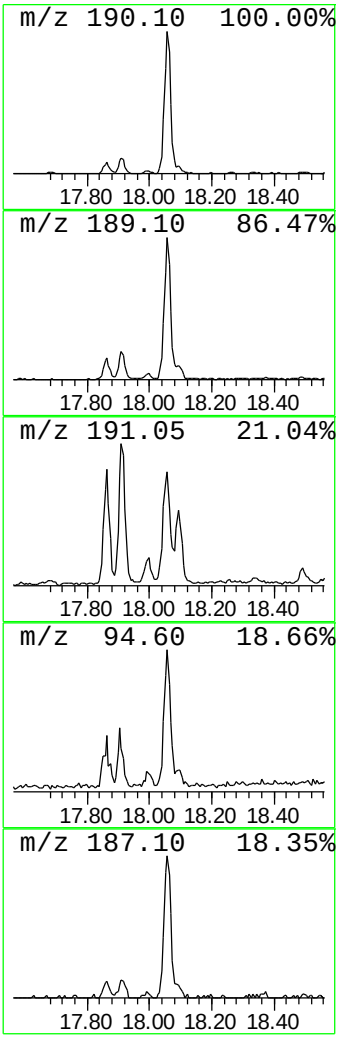
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.79 ng	560936	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

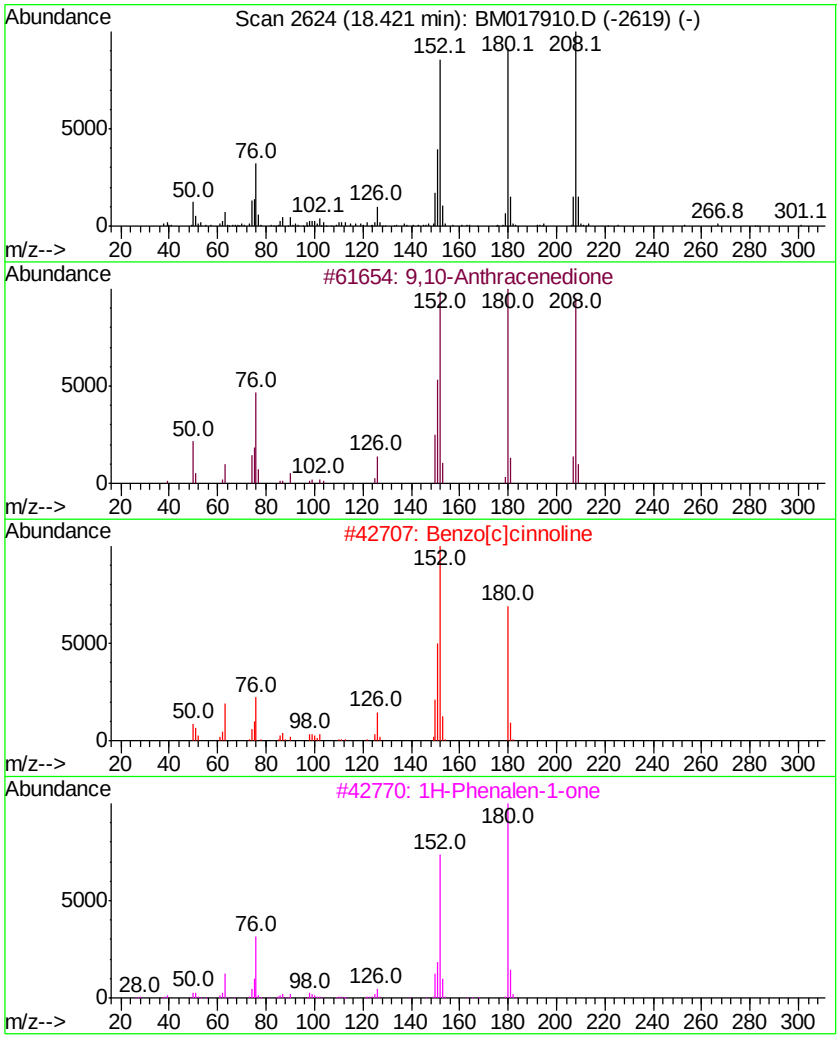
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

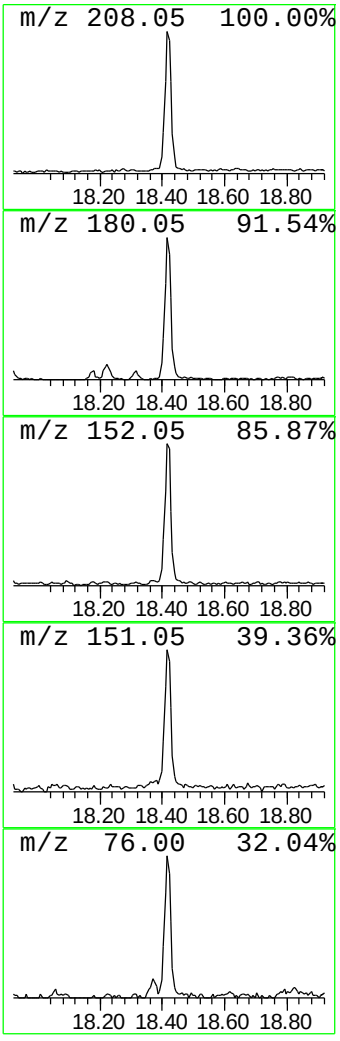
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.45 ng	403904	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

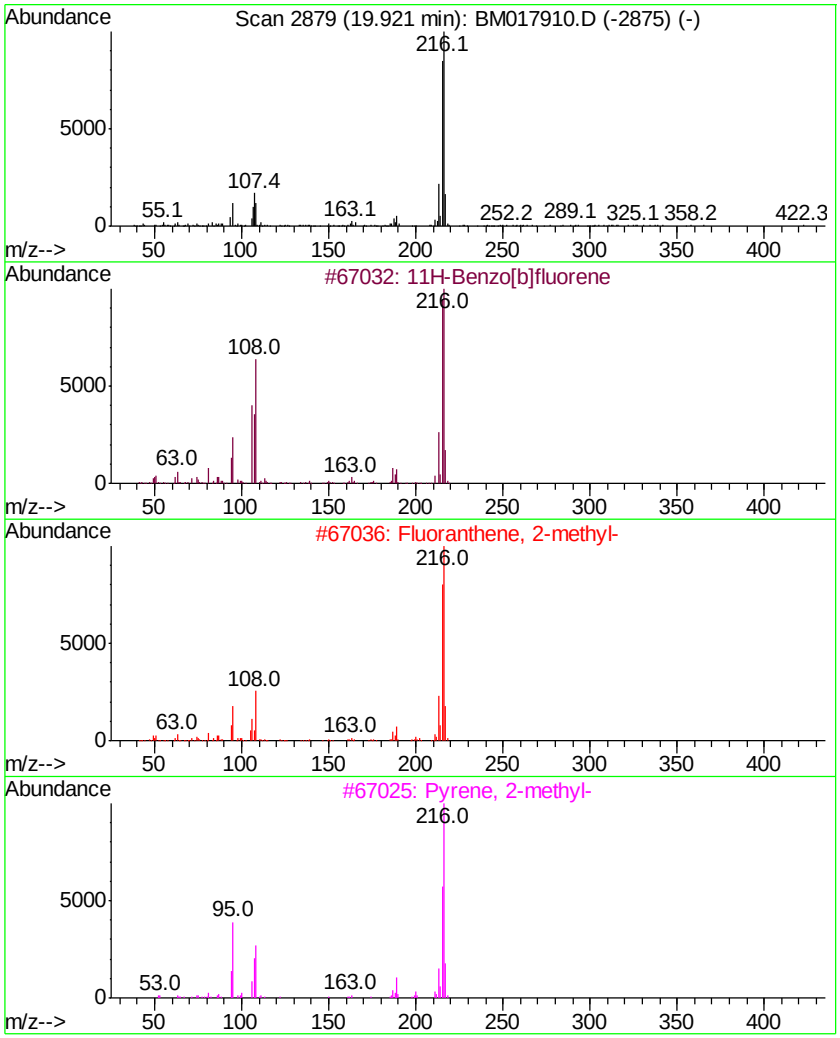
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

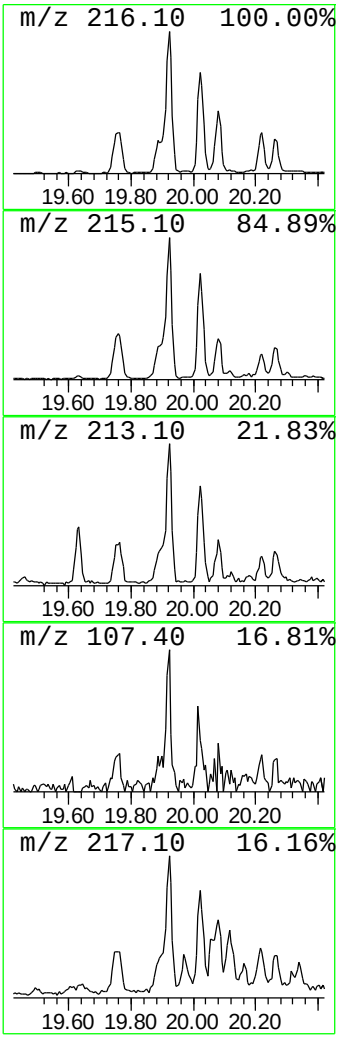
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.13 ng	513872	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

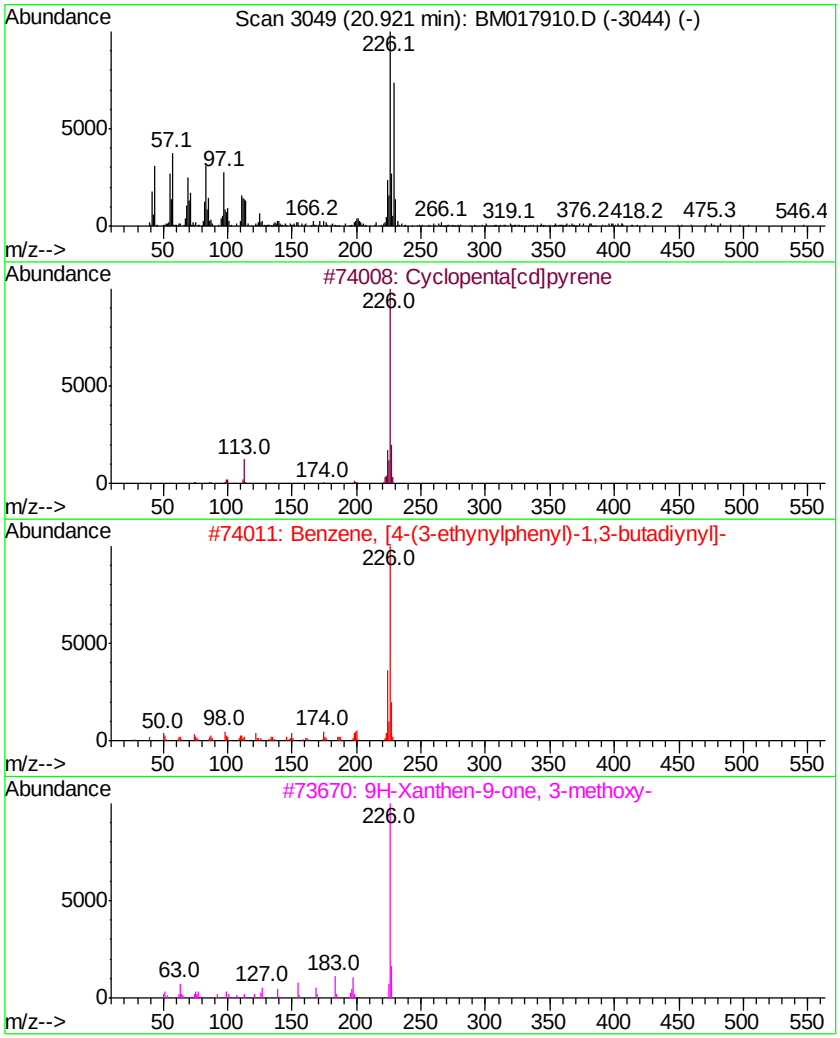
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

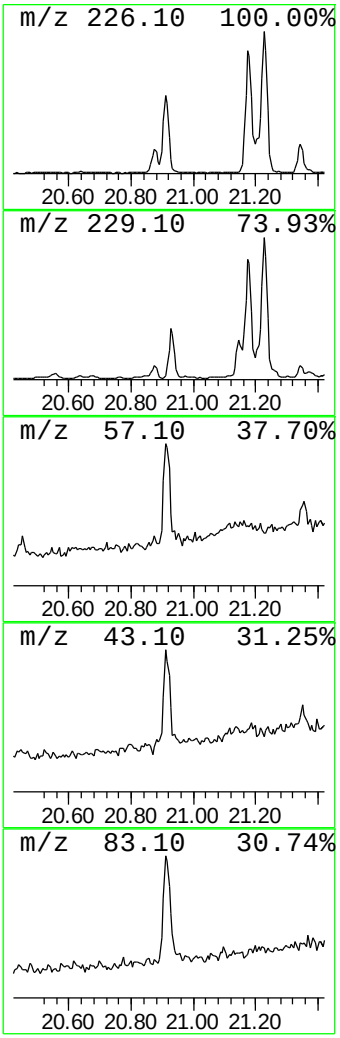
****

Peak Number 7 Cyclopenta[cd]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	3.05 ng	736104	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	49
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

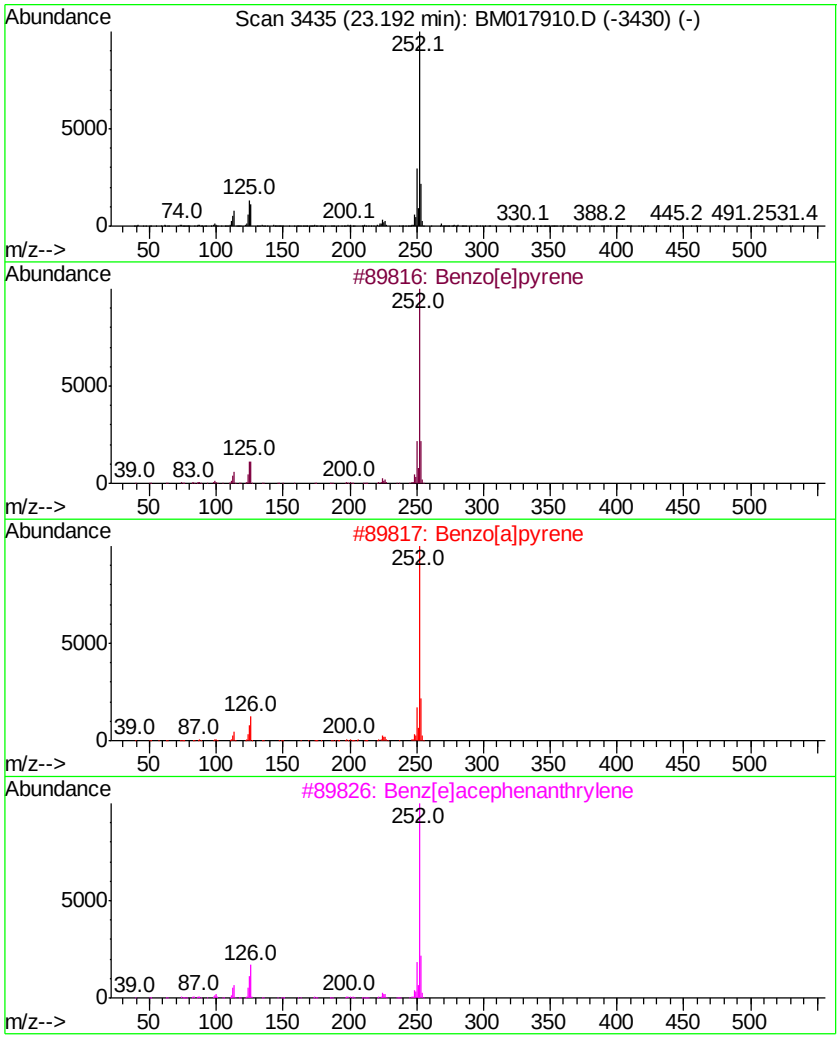
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

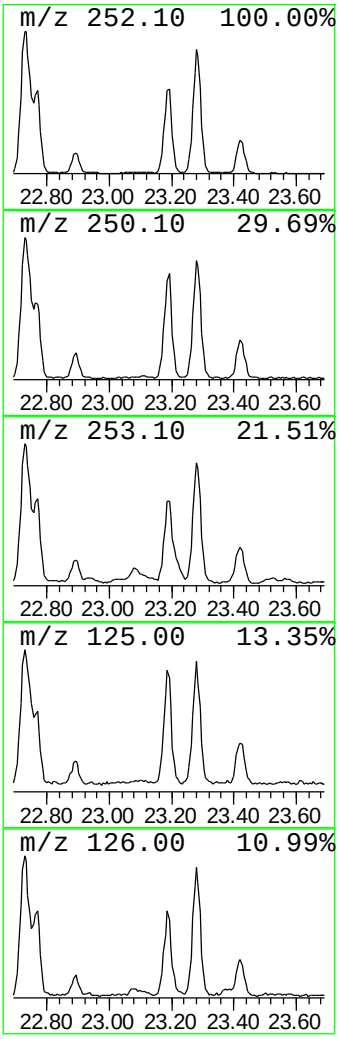
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	13.96 ng	1680990	Perylene-d12	23.38

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120518\
Data File : BM017910.D
Acq On : 04 Dec 2018 19:47
Operator : JU/SJ
Sample : J5761-03 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : AU-05-112918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.12	7.12	32.2	ng	2604780	1	7.58	1618260	20.0
Fluorene-9-methanol	15.29	2.1	ng	254348	3	14.23	2439840	20.0
4H-Cyclopenta[def...	18.06	4.8	ng	560936	4	16.99	2340720	20.0
9,10-Anthracenedione	18.42	3.5	ng	403904	4	16.99	2340720	20.0
11H-Benzo[b]fluorene	19.92	2.1	ng	513872	5	21.19	4830340	20.0
Cyclopenta[cd]pyrene	20.92	3.0	ng	736104	5	21.19	4830340	20.0
Benzo[e]pyrene	23.19	14.0	ng	1680990	6	23.38	2408610	20.0