LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.857	635	641	649	rBV	293359	537475	8.05%	0.729%
2	7.016	662	668	678	rBV	221912	358447	5.37%	0.486%
3	7.210	695	701	711	rVB	297353	487506	7.30%	0.661%
4	7.675	773	780	790	rVB	963954	1515483	22.70%	2.055%
5	8.210	865	871	877	rBV	58430	103007	1.54%	0.140%
6	8.381	894	900	909	rBV	374127	627841	9.40%	0.851%
7	8.828	968	976	985	rBV	317608	512859	7.68%	0.695%
8	9.545	1091	1098	1105	rBV	264626	433680	6.50%	0.588%
9	10.081	1182	1189	1201	rVB	381454	665764	9.97%	0.903%
10	10.457	1244	1253	1259	rBV	1365051	2303659	34.51%	3.123%
11	10.598	1271	1277	1289	rVB2	199905	382382	5.73%	0.518%
12	13.733	1804	1810	1814	rBV	717711	1006885	15.08%	1.365%
13	13.780	1814	1818	1827	rVV2	199097	334956	5.02%	0.454%
14	14.010	1849	1857	1860	rBV	810896	1383733	20.73%	1.876%
15	14.039	1860	1862	1872	rVB	688775	856000	12.82%	1.161%
16	14.322	1901	1910	1917	rBV2	1969376	3019902	45.23%	4.094%
17	14.539	1941	1947	1958	rBV2	226425	440437	6.60%	0.597%
18	14.922	2007	2012	2016	rBV5	40275	76697	1.15%	0.104%
19	15.186	2051	2057	2063	rVB3	84647	149170	2.23%	0.202%
20	15.316	2073	2079	2085	rBV	1025804	1430869	21.43%	1.940%
21	15.380	2085	2090	2095	rVV4	37951	78071	1.17%	0.106%
22	15.445	2096	2101	2107	rBV	237020	327234	4.90%	0.444%
23	15.580	2118	2124	2135	rVB7	59272	163855	2.45%	0.222%
24	16.045	2197	2203	2211	rVB4	197777	452533	6.78%	0.614%
25	16.645	2302	2305	2311	rVB3	60452	94301	1.41%	0.128%
26	16.721	2314	2318	2324	rVV2	254809	362594	5.43%	0.492%
27	16.839	2334	2338	2342	rBV4	81583	116615	1.75%	0.158%
28	16.886	2342	2346	2354	rVB5	77898	134066	2.01%	0.182%
29	17.068	2371	2377	2382	rBV2	2426681	3503788	52.48%	4.751%
30	17.110	2382	2384	2388	rVV	172710	207802	3.11%	0.282%
31	17.168	2388	2394	2397	rVV	986117	1539416	23.06%	2.087%
32	17.198	2397	2399	2405	rVV	590001	790563	11.84%	1.072%
33	17.257	2405	2409	2416	rVB4	67755	114782	1.72%	0.156%
34	17.474	2442	2446	2451	rBV	97598	180573	2.70%	0.245%

LSC Area Percent Report

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Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	17.574	2460	2463	2469	rVB4	74211	113469	1.70%	0.154%
36	17.745	2489	2492	2501	rVB7	68084	111659	1.67%	0.151%
37	17.968	2527	2530	2540	rVB6	108988	227639	3.41%	0.309%
38	18.074	2544	2548	2553	rVV	141283	205933	3.08%	0.279%
39	18.139	2555	2559	2569	rVB2	181177	390194	5.84%	0.529%
40	18.262	2577	2580	2583	rBV3	88729	97003	1.45%	0.132%
41	18.339	2589	2593	2597	rBV	122138	192503	2.88%	0.261%
42	18.492	2616	2619	2623	rVB3	98574	126468	1.89%	0.171%
43	18.780	2666	2668	2673	rVB3	72078	90021	1.35%	0.122%
44	18.868	2678	2683	2687	rBV3	155111	294250	4.41%	0.399%
45	19.009	2702	2707	2714	rBV	396150	595479	8.92%	0.807%
46	19.133	2722	2728	2733	rVB	2060939	2759078	41.33%	3.741%
47	19.192	2736	2738	2741	rVB4	70389	73037	1.09%	0.099%
48	19.280	2750	2753	2757	rVB2	236456	300226	4.50%	0.407%
49	19.462	2779	2784	2786	rBV2	1307028	1809813	27.11%	2.454%
50	19.498	2786	2790	2798	rVV	2900948	4245798	63.60%	5.757%
51	19.568	2800	2802	2809	rVB3	146537	244666	3.66%	0.332%
52	19.739	2827	2831	2835	rVB2	220266	351247	5.26%	0.476%
53	19.815	2840	2844	2845	rBV2	316164	338557	5.07%	0.459%
54	19.986	2864	2873	2877	rVB5	376099	1164683	17.45%	1.579%
55	20.092	2887	2891	2894	rBV2	204959	257412	3.86%	0.349%
56	20.151	2896	2901	2905	rVB2	445923	691644	10.36%	0.938%
57	20.286	2921	2924	2928	rBV	374646	527352	7.90%	0.715%
58	20.333	2929	2932	2936	rVB	277388	398620	5.97%	0.540%
59	20.739	2998	3001	3008	rVB	426506	626227	9.38%	0.849%
60	20.945	3033	3036	3038	rBV	241823	248551	3.72%	0.337%
61	20.980	3039	3042	3048	rVB2	503559	668585	10.01%	0.906%
62	21.256	3083	3089	3094	rBV3	3227841	6676086	100.00%	9.052%
63	21.298	3094	3096	3102	rVB	1622940	1790793	26.82%	2.428%
64	21.415	3113	3116	3117	rBV	221580	253364	3.80%	0.344%
65	21.562	3138	3141	3148	rVB2	247024	363771	5.45%	0.493%
66	21.621	3148	3151	3154	rBV3	201710	256666	3.84%	0.348%
67	21.803	3180	3182	3186	rVB2	388863	474818	7.11%	0.644%
68	22.003	3213	3216	3219	rBV2	212752	244883	3.67%	0.332%
69	22.821	3349	3355	3360	rBV	2607098	5559727	83.28%	7.538%
70	22.986	3379	3383	3390	rVB	642175	1023786	15.34%	1.388%
71	23.297	3430	3436	3440	rBV	1390983	2440918	36.56%	3.309%

LSC Area Percent Report

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Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	23.344	3440	3444	3447	rVV2	488426	851774	12.76%	1.155%
73	23.392	3447	3452	3458	rVB	1649806	2997042	44.89%	4.063%
74	23.486	3462	3468	3472	rVV	1257871	2402557	35.99%	3.257%
75	23.533	3473	3476	3484	rVB2	553876	1050452	15.73%	1.424%
76	25.715	3839	3847	3860	rVB2	1139960	3327693	49.84%	4.512%
77	26.403	3956	3964	3974	rVB2	748242	2197893	32.92%	2.980%

Sum of corrected areas: 73755282

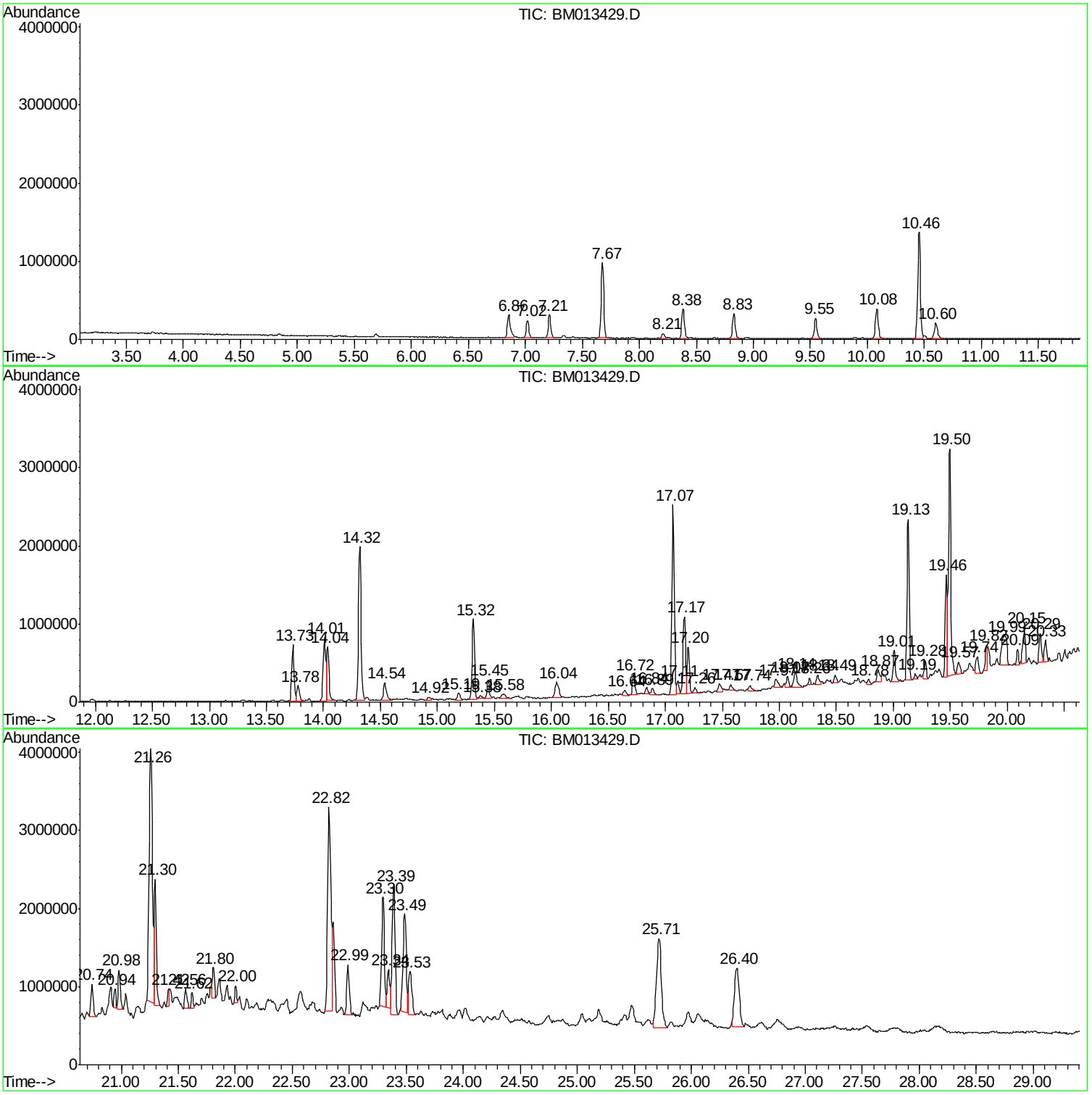
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

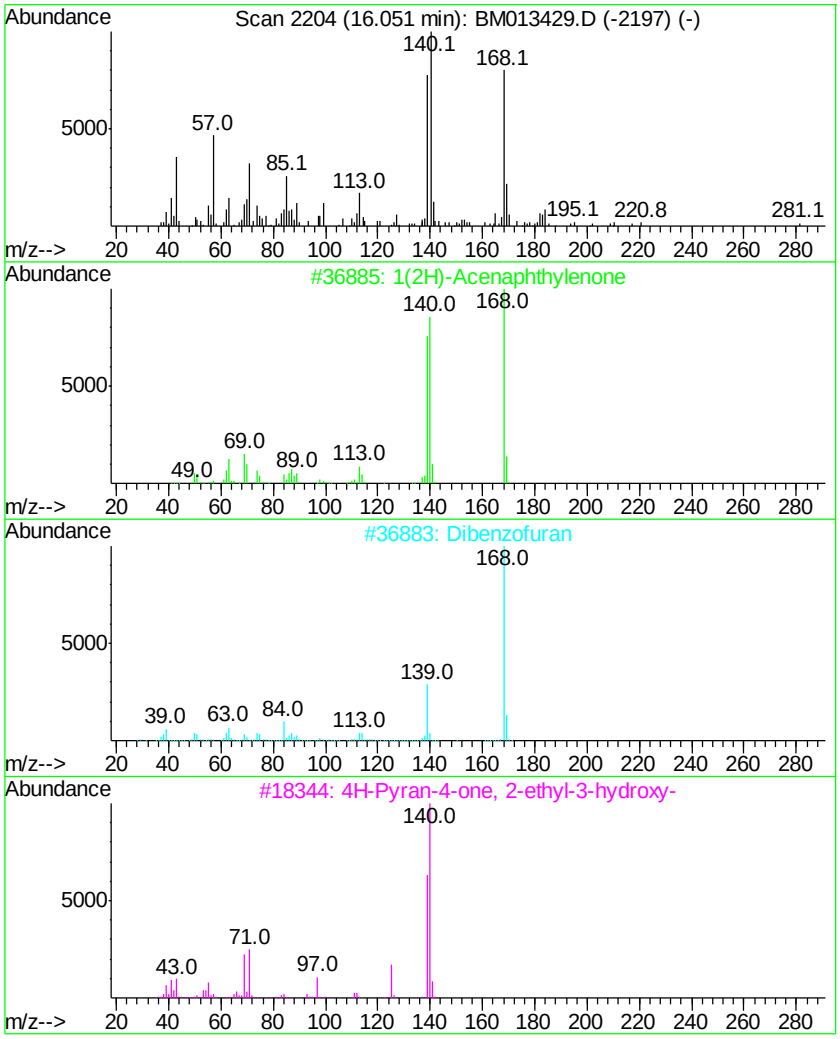
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

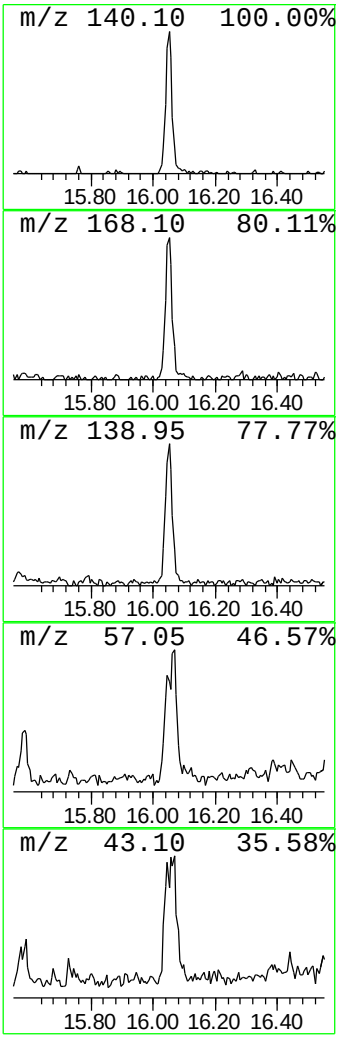
****

Peak Number 1 1(2H)-Acenaphthylenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.58 ng/ul	452533	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	58
2	Dibenzofuran	168	C12H8O	000132-64-9	46
3	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	38
4	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	38
5	1-Isoquinolinecarbonitrile, 3-me...	168	C11H8N2	022381-52-8	35





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Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

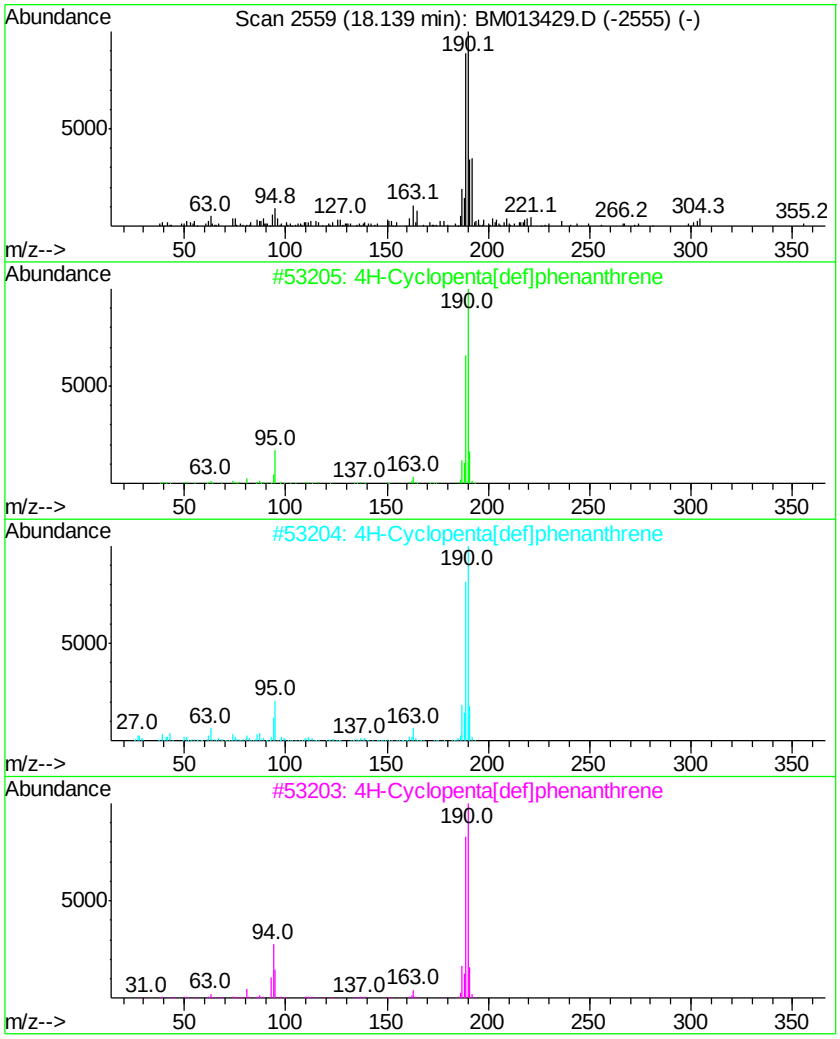
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

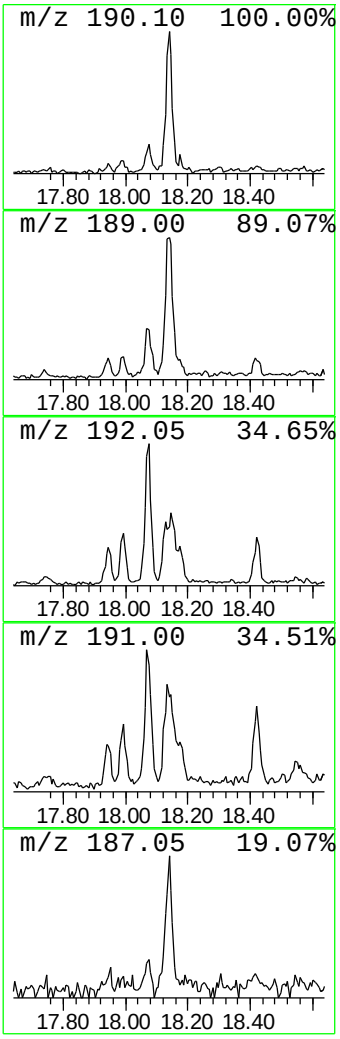
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.23 ng/ul	390194	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	50
5	Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	50





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

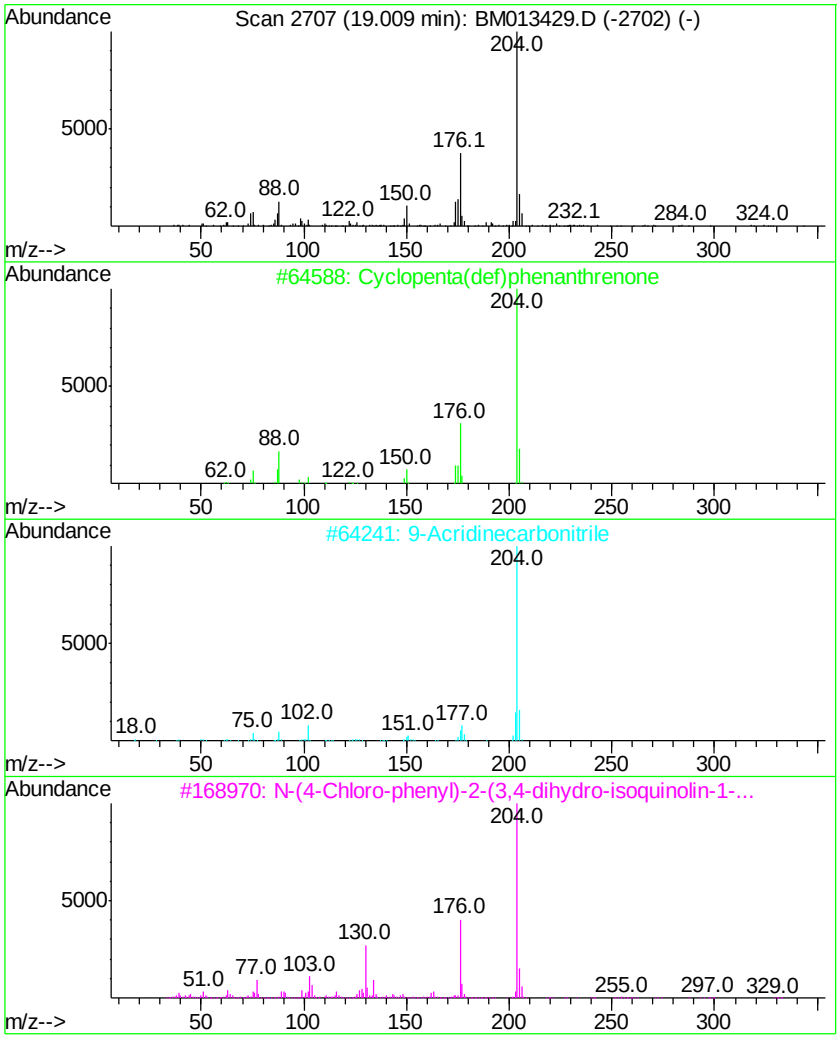
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

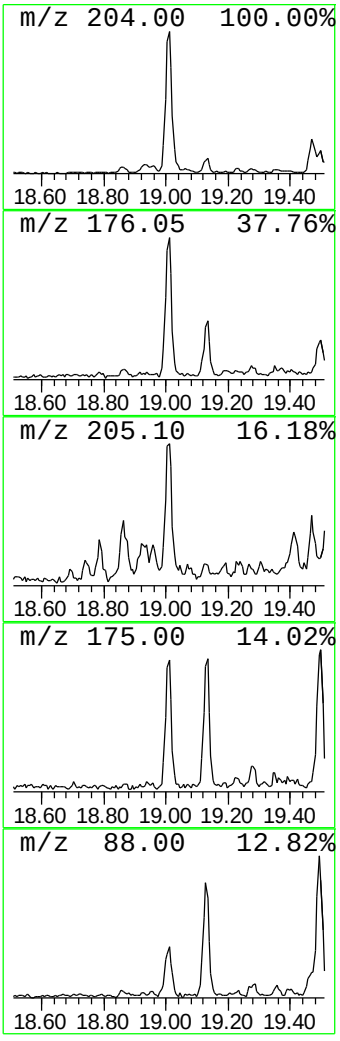
****

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	3.40 ng/ul	595479	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
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Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

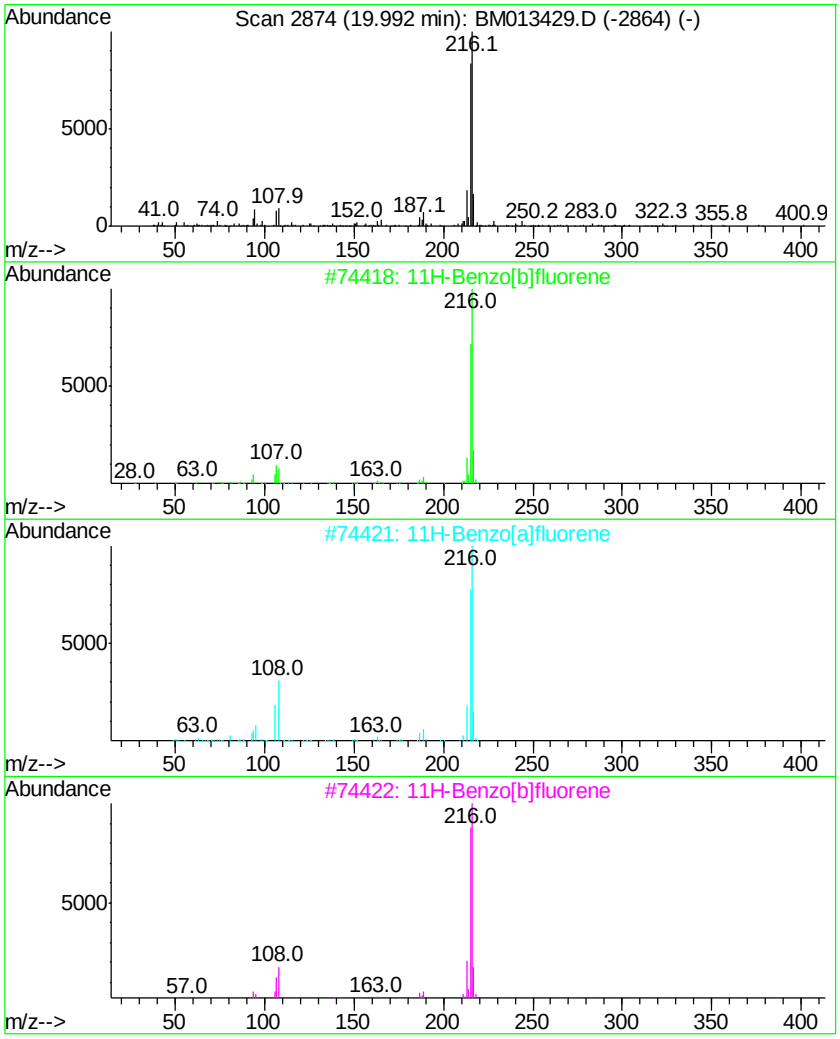
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

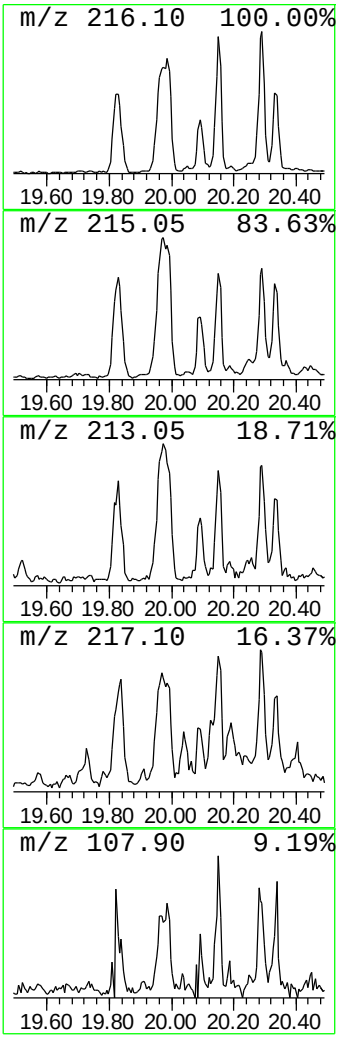
****

Peak Number 4 11H-Benzo[b]fluorene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.49 ng/ul	1164680	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013429.D
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Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

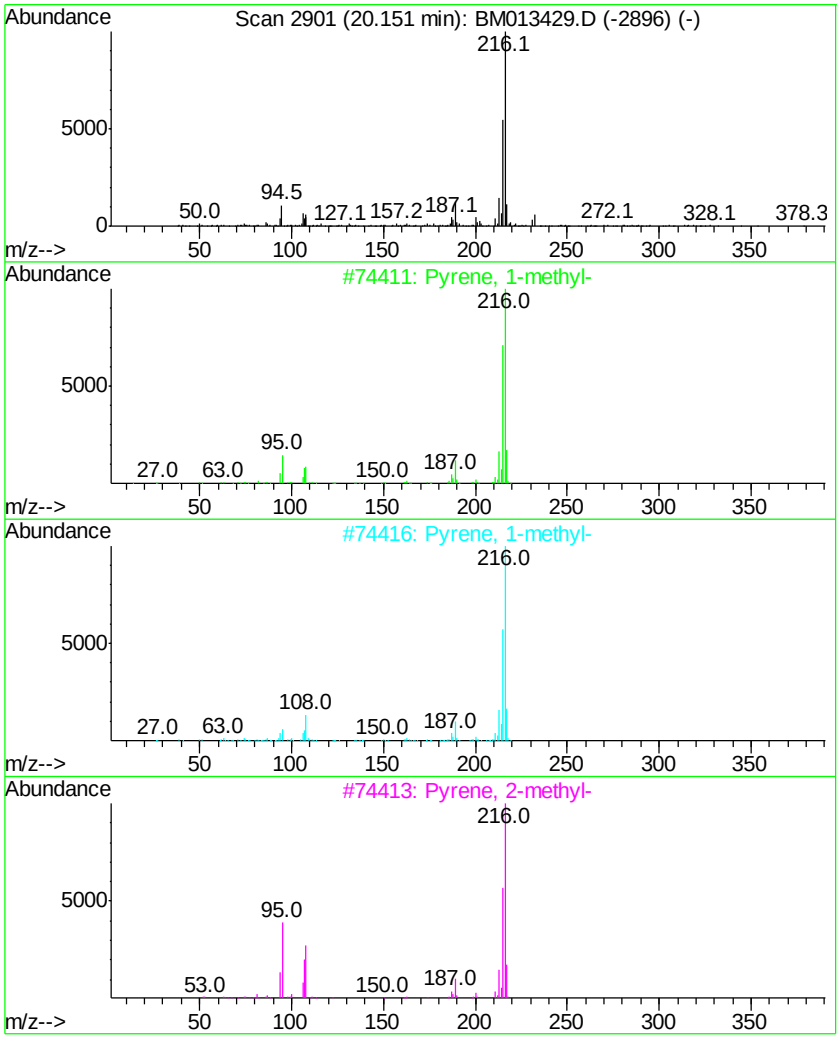
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

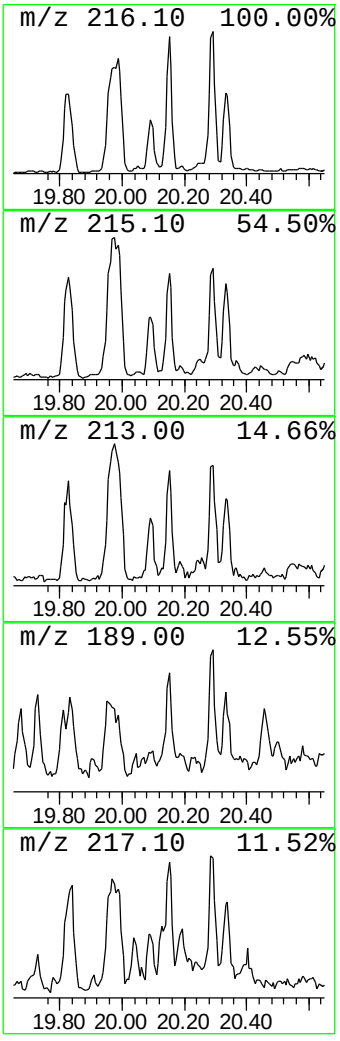
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.07 ng/ul	691644	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Library Search Compound Report

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Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
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Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

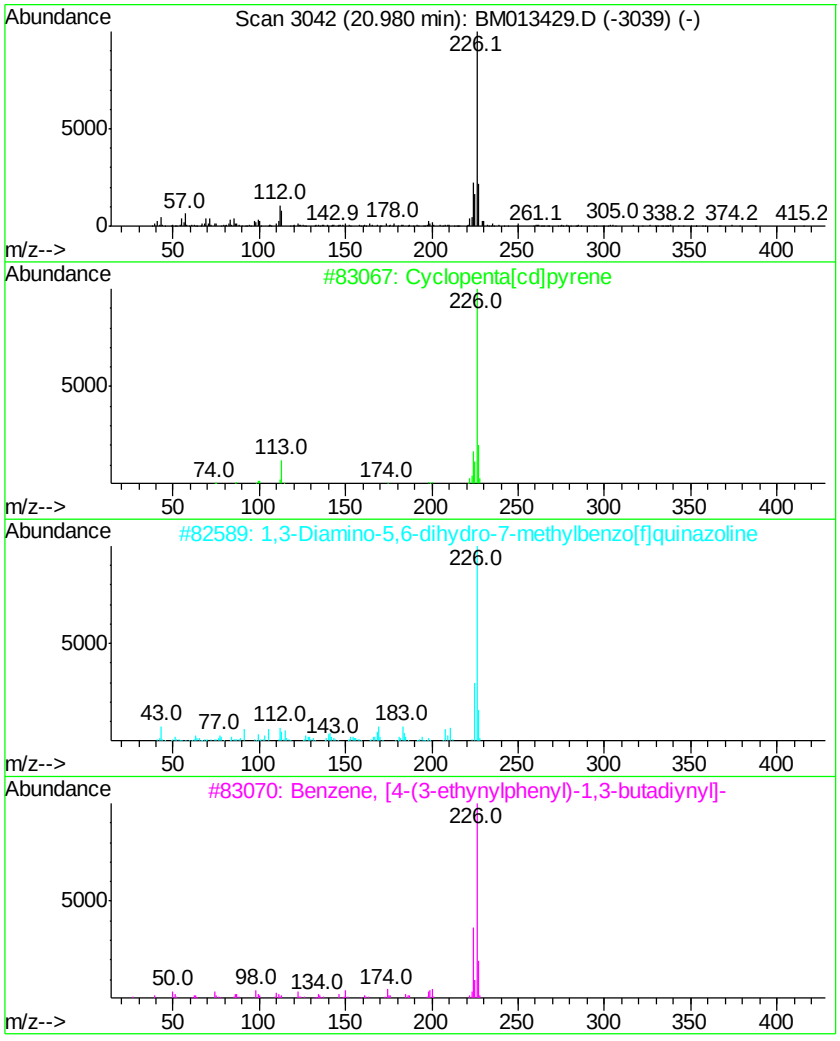
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

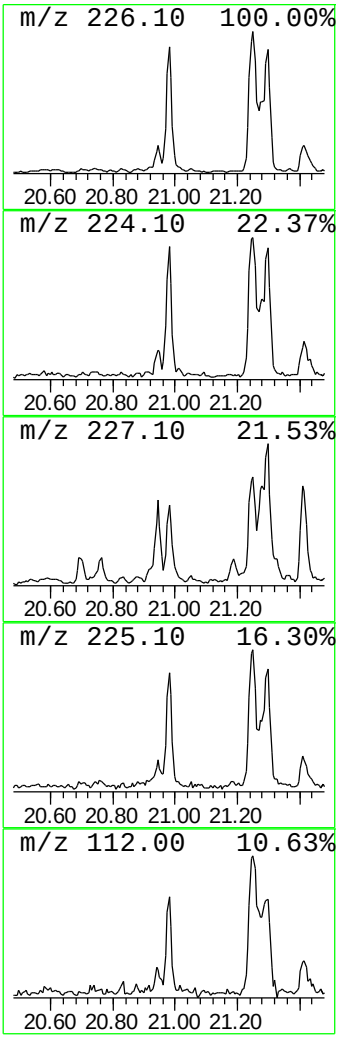
****

Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.00 ng/ul	668585	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	45
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

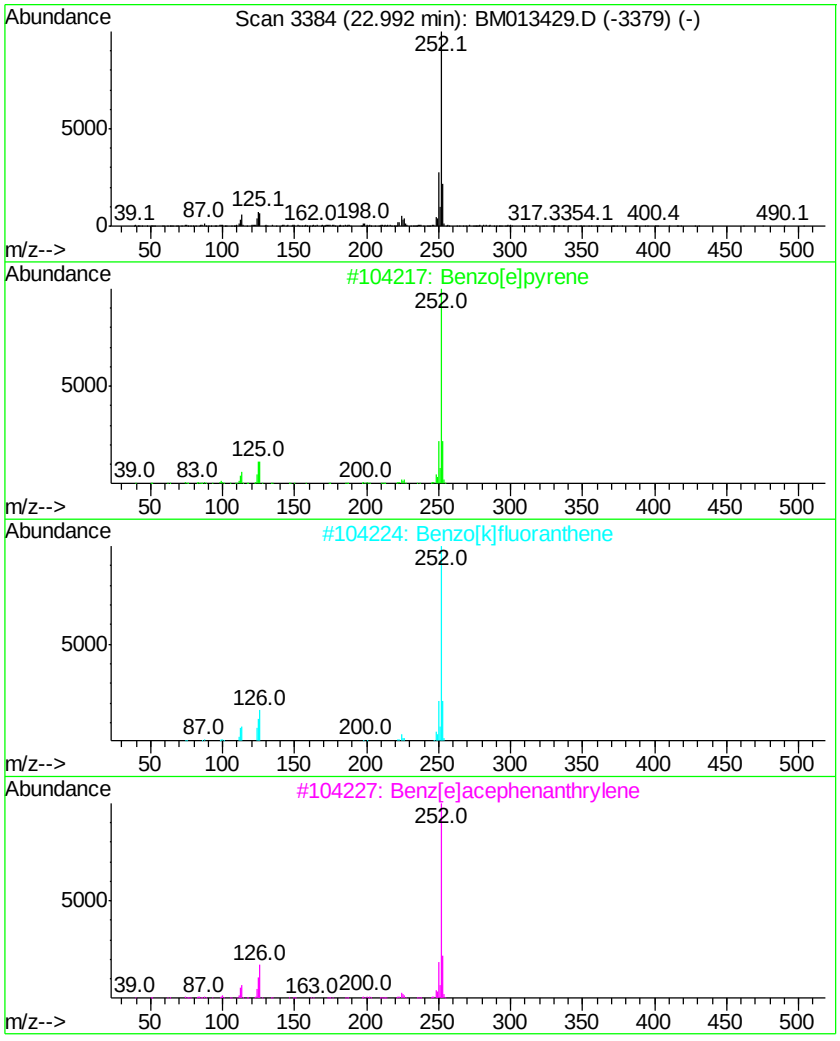
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

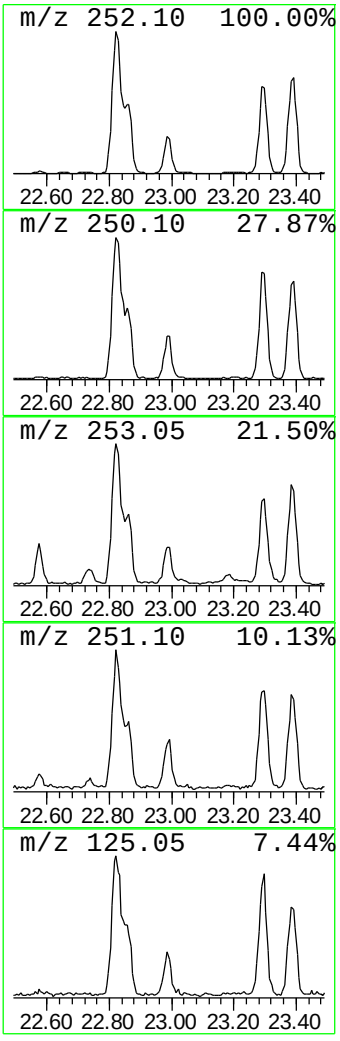
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	8.52 ng/ul	1023790	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013429.D
Acq On : 15 Dec 2017 07:47
Operator : SJ/JU
Sample : I6779-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA 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
1(2H)-Acenaphthyl...	16.05	2.6	ng/ul	452533	4	17.07	3503790	20.0
4H-Cyclopenta[def...	18.14	2.2	ng/ul	390194	4	17.07	3503790	20.0
Cyclopenta(def)ph...	19.01	3.4	ng/ul	595479	4	17.07	3503790	20.0
11H-Benzo[b]fluorene	19.99	3.5	ng/ul	1164680	5	21.26	6676090	20.0
Pyrene, 1-methyl-	20.15	2.1	ng/ul	691644	5	21.26	6676090	20.0
Cyclopenta[cd]pyrene	20.98	2.0	ng/ul	668585	5	21.26	6676090	20.0
Benzo[e]pyrene	22.99	8.5	ng/ul	1023790	6	23.49	2402560	20.0