LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.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	4.775	316	321	329	rVB	53614	82526	0.99%	0.097%
2	6.811	657	667	685	rBV	217562	377088	4.54%	0.445%
3	6.969	687	694	704	rBV	212105	346365	4.17%	0.409%
4	7.163	720	727	744	rBV	251502	417665	5.03%	0.493%
5	7.628	798	806	817	rBV	902262	1456295	17.53%	1.718%
6	8.340	920	927	939	rBV	263198	479075	5.77%	0.565%
7	8.769	993	1000	1011	rBV	214880	361261	4.35%	0.426%
8	9.493	1115	1123	1130	rBV	145851	261082	3.14%	0.308%
9	10.028	1205	1214	1232	rBV	252847	478983	5.77%	0.565%
10	10.399	1267	1277	1283	rBV	1269883	2123669	25.57%	2.505%
11	10.446	1283	1285	1292	rVV	46899	65752	0.79%	0.078%
12	10.534	1293	1300	1317	rVV	207048	419754	5.05%	0.495%
13	13.675	1829	1834	1839	rVV	546208	793817	9.56%	0.936%
14	13.722	1839	1842	1851	rVB	89176	131680	1.59%	0.155%
15	13.951	1874	1881	1898	rBV2	595555	1039040	12.51%	1.226%
16	14.263	1927	1934	1940	rVV	1968658	2851296	34.33%	3.364%
17	14.328	1940	1945	1954	rVV	128425	202737	2.44%	0.239%
18	14.481	1964	1971	1979	rBV2	57720	137251	1.65%	0.162%
19	14.669	1997	2003	2013	rVV2	72080	180118	2.17%	0.212%
20	15.263	2097	2104	2109	rBV	901980	1270070	15.29%	1.498%
21	15.316	2109	2113	2119	rVB	178222	246975	2.97%	0.291%
22	15.387	2119	2125	2132	rBV	97898	168760	2.03%	0.199%
23	15.616	2160	2164	2175	rVB	46737	77298	0.93%	0.091%
24	15.763	2184	2189	2197	rVB2	45020	95473	1.15%	0.113%
25	16.328	2273	2285	2290	rBV4	37648	107596	1.30%	0.127%
26	16.769	2353	2360	2364	rBV2	48073	111963	1.35%	0.132%
27	16.834	2364	2371	2376	rVB	77816	135213	1.63%	0.160%
28	17.016	2395	2402	2405	rVV	2390244	3314818	39.91%	3.910%
29	17.057	2405	2409	2414	rVV	1816340	2545803	30.65%	3.003%
30	17.116	2414	2419	2422	rVV	924480	1348999	16.24%	1.591%
31	17.145	2422	2424	2431	rVV	487621	637134	7.67%	0.752%
32	17.210	2431	2435	2442	rVV	53689	91732	1.10%	0.108%
33	17.422	2461	2471	2476	rBV2	168085	305563	3.68%	0.360%
34	17.892	2542	2551	2555	rBV	221199	334136	4.02%	0.394%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Title : SVOA CALIBRATION

35	17.939	2555	2559	2566	rVB	353281	481504	5.80%	0.568%
36	18.016	2566	2572	2577	rBV	135915	206369	2.48%	0.243%
37	18.081	2577	2583	2587	rVV2	490225	787626	9.48%	0.929%
38	18.116	2587	2589	2593	rVB	150381	165044	1.99%	0.195%
39	18.380	2629	2634	2637	rBV	215366	271497	3.27%	0.320%
40	18.416	2637	2640	2645	rVB	58224	76339	0.92%	0.090%
41	18.622	2671	2675	2679	rVV2	56827	74189	0.89%	0.088%
42	18.669	2679	2683	2686	rVV	53917	73569	0.89%	0.087%
43	18.710	2686	2690	2693	rVB2	52886	67936	0.82%	0.080%
44	18.786	2698	2703	2708	rBV2	115415	209431	2.52%	0.247%
45	18.845	2708	2713	2716	rVV2	82691	139076	1.67%	0.164%
46	18.916	2721	2725	2734	rVB2	90971	158945	1.91%	0.188%
47	19.039	2740	2746	2752	rVB	4456273	5859384	70.54%	6.912%
48	19.133	2759	2762	2766	rVB2	54980	77243	0.93%	0.091%
49	19.180	2767	2770	2773	rVV2	47996	58861	0.71%	0.069%
50	19.275	2780	2786	2791	rVV2	134423	274304	3.30%	0.324%
51	19.363	2795	2801	2802	rVV	1999663	2480613	29.86%	2.926%
52	19.386	2802	2805	2814	rVV	3515744	4961397	59.73%	5.853%
53	19.463	2814	2818	2826	rVB2	176034	287484	3.46%	0.339%
54	19.569	2831	2836	2841	rVV	281147	384668	4.63%	0.454%
55	19.622	2841	2845	2852	rVV	193357	287240	3.46%	0.339%
56	19.710	2854	2860	2866	rVV3	234733	595657	7.17%	0.703%
57	19.757	2866	2868	2872	rVB	72453	76929	0.93%	0.091%
58	19.845	2878	2883	2884	rBV3	169472	247729	2.98%	0.292%
59	19.875	2884	2888	2893	rVB	841166	1119728	13.48%	1.321%
60	19.922	2893	2896	2900	rBV2	52015	64029	0.77%	0.076%
61	19.975	2900	2905	2909	rBV	740991	945859	11.39%	1.116%
62	20.027	2909	2914	2918	rVV2	359248	548664	6.61%	0.647%
63	20.069	2918	2921	2925	rVB2	125326	149572	1.80%	0.176%
64	20.110	2925	2928	2932	rVB2	79611	98846	1.19%	0.117%
65	20.163	2933	2937	2941	rBV	161858	205040	2.47%	0.242%
66	20.210	2941	2945	2949	rBV3	187182	276924	3.33%	0.327%
67	20.457	2984	2987	2989	rBV3	55876	69832	0.84%	0.082%
68	20.486	2989	2992	2996	rVB3	97394	147890	1.78%	0.174%
69	20.569	3002	3006	3009	rBV2	115634	197764	2.38%	0.233%
70	20.604	3009	3012	3018	rVB2	160794	289430	3.48%	0.341%
71	20.763	3034	3039	3043	rBV2	279533	448958	5.40%	0.530%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Title : SVOA CALIBRATION

72	20.804	3043	3046	3049	rVV	409011	464647	5.59%	0.548%
73	20.845	3049	3053	3058	rVV2	373960	724272	8.72%	0.854%
74	20.892	3058	3061	3069	rVB3	205292	359818	4.33%	0.424%
75	20.998	3073	3079	3084	rBV	114490	274037	3.30%	0.323%
76	21.063	3087	3090	3091	rVV3	105942	109410	1.32%	0.129%
77	21.110	3091	3098	3102	rVV3	4169962	8306469	100.00%	9.799%
78	21.145	3102	3104	3115	rVB	2413471	2806653	33.79%	3.311%
79	21.227	3115	3118	3121	rBV2	86808	105461	1.27%	0.124%
80	21.263	3121	3124	3131	rBV	350110	482186	5.80%	0.569%
81	21.363	3138	3141	3146	rVB3	200856	290152	3.49%	0.342%
82	21.416	3146	3150	3155	rBV2	309044	458152	5.52%	0.540%
83	21.604	3178	3182	3184	rBV	103999	148355	1.79%	0.175%
84	21.657	3185	3191	3194	rVV	416530	715651	8.62%	0.844%
85	21.704	3196	3199	3204	rVB2	274416	401965	4.84%	0.474%
86	21.804	3213	3216	3220	rVB	188480	229059	2.76%	0.270%
87	21.845	3220	3223	3226	rVV	200081	277227	3.34%	0.327%
88	21.880	3226	3229	3234	rVB3	320894	451935	5.44%	0.533%
89	21.945	3236	3240	3250	rVB4	157968	288612	3.47%	0.340%
90	22.174	3276	3279	3285	rVB3	176421	257083	3.09%	0.303%
91	22.657	3355	3361	3373	rBV	1943295	5907142	71.11%	6.969%
92	22.821	3385	3389	3397	rVB	365098	576139	6.94%	0.680%
93	22.957	3408	3412	3415	rBV3	112560	219842	2.65%	0.259%
94	23.121	3435	3440	3445	rBV	875582	1662502	20.01%	1.961%
95	23.174	3445	3449	3452	rVV	804801	1396374	16.81%	1.647%
96	23.216	3452	3456	3465	rVB	1553764	3034482	36.53%	3.580%
97	23.316	3466	3473	3478	rVV	2343623	4391340	52.87%	5.180%
98	23.357	3478	3480	3490	rVB2	393587	776589	9.35%	0.916%
99	25.527	3841	3849	3861	rVB2	809959	2408564	29.00%	2.841%
100	26.204	3957	3964	3984	rVB	423555	1381283	16.63%	1.629%

Sum of corrected areas: 84767958

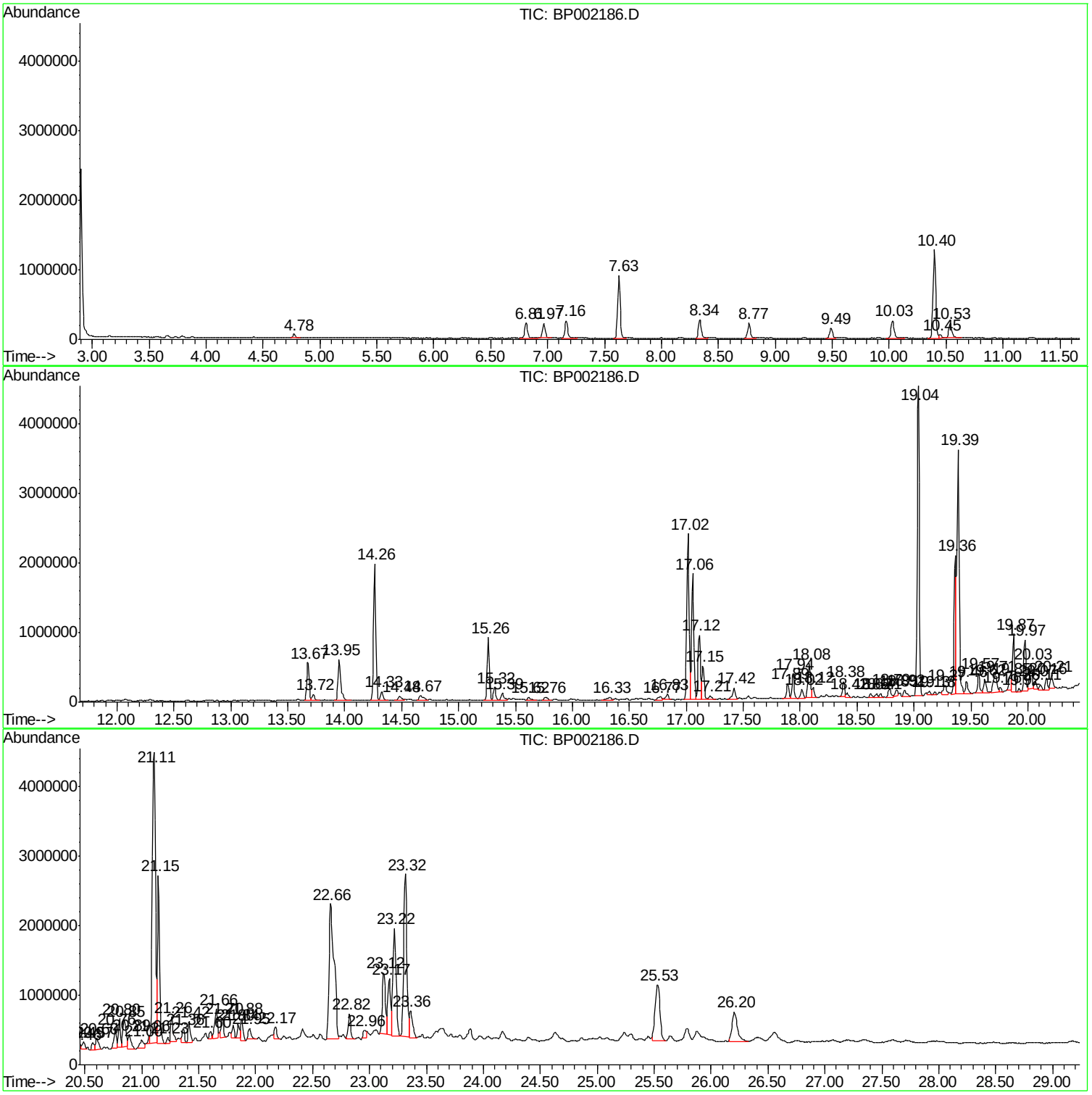
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

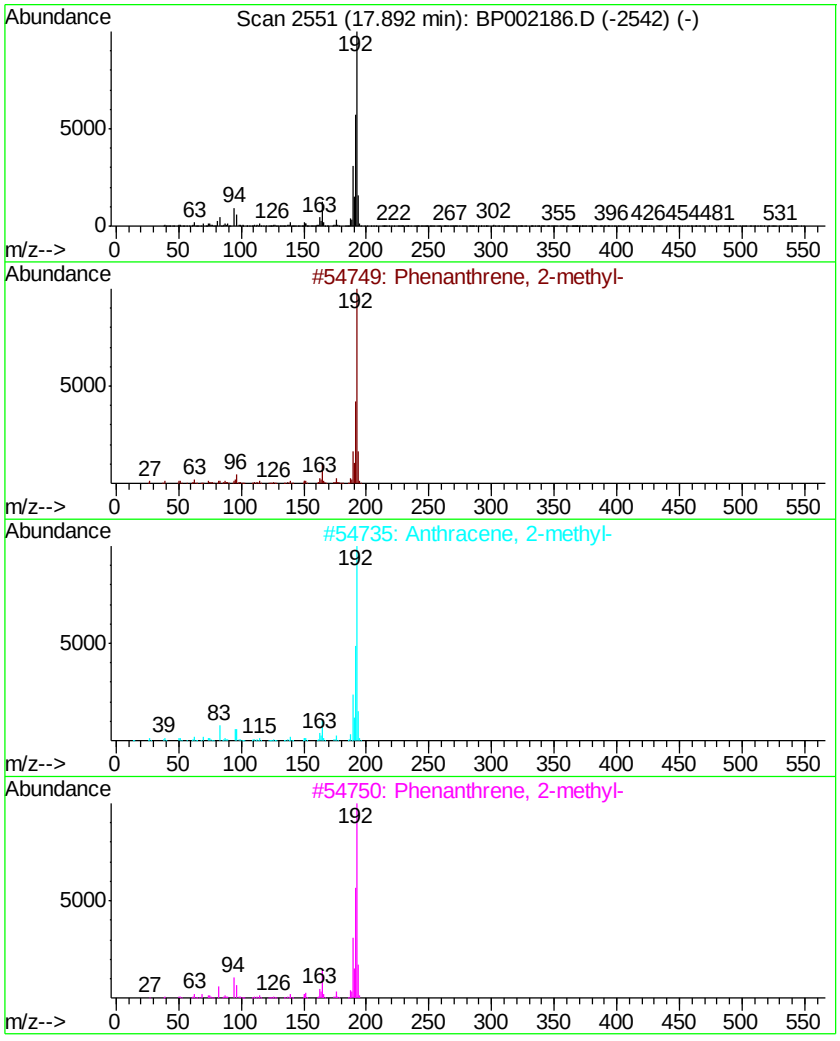
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

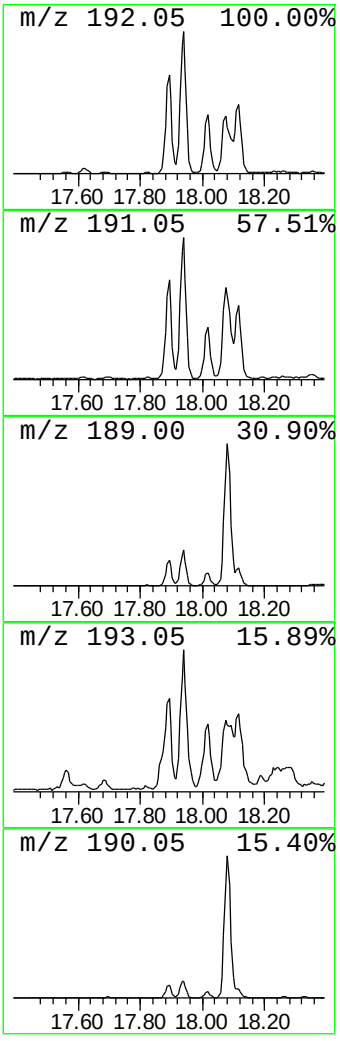
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.02 ng/ul	334136	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

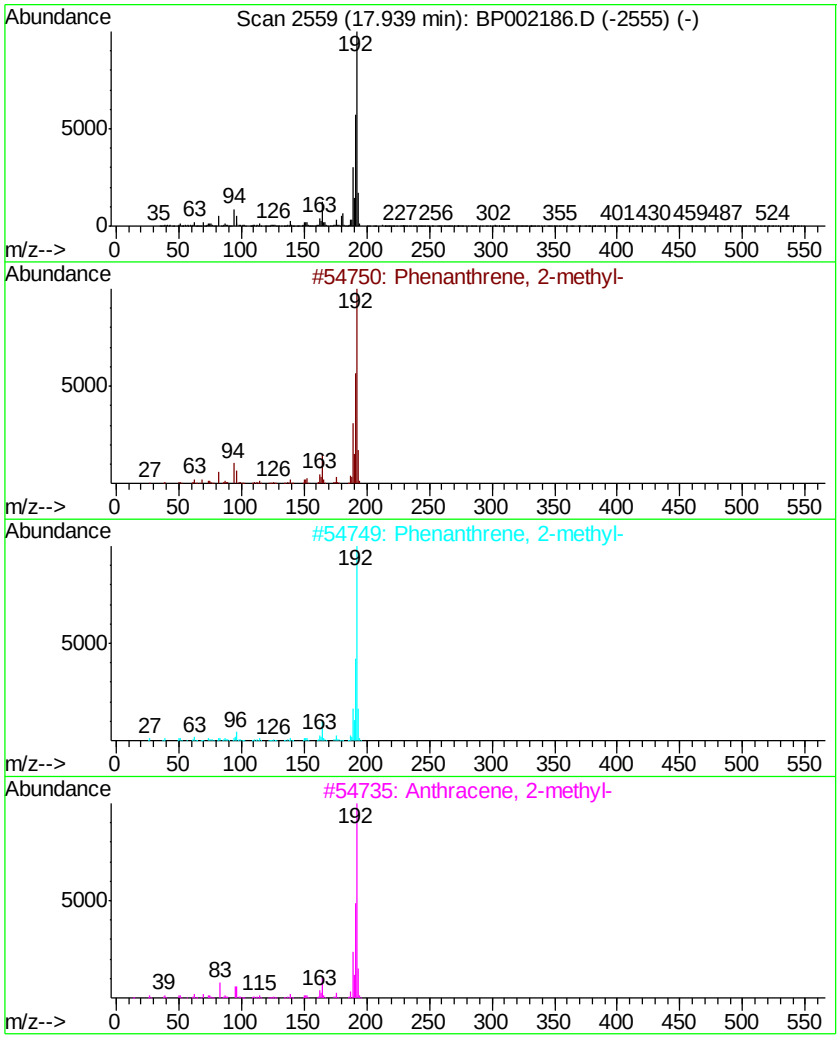
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

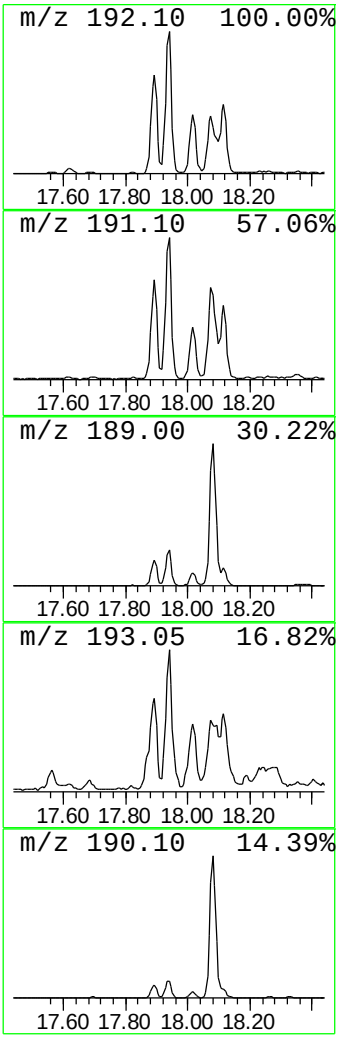
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.91 ng/ul	481504	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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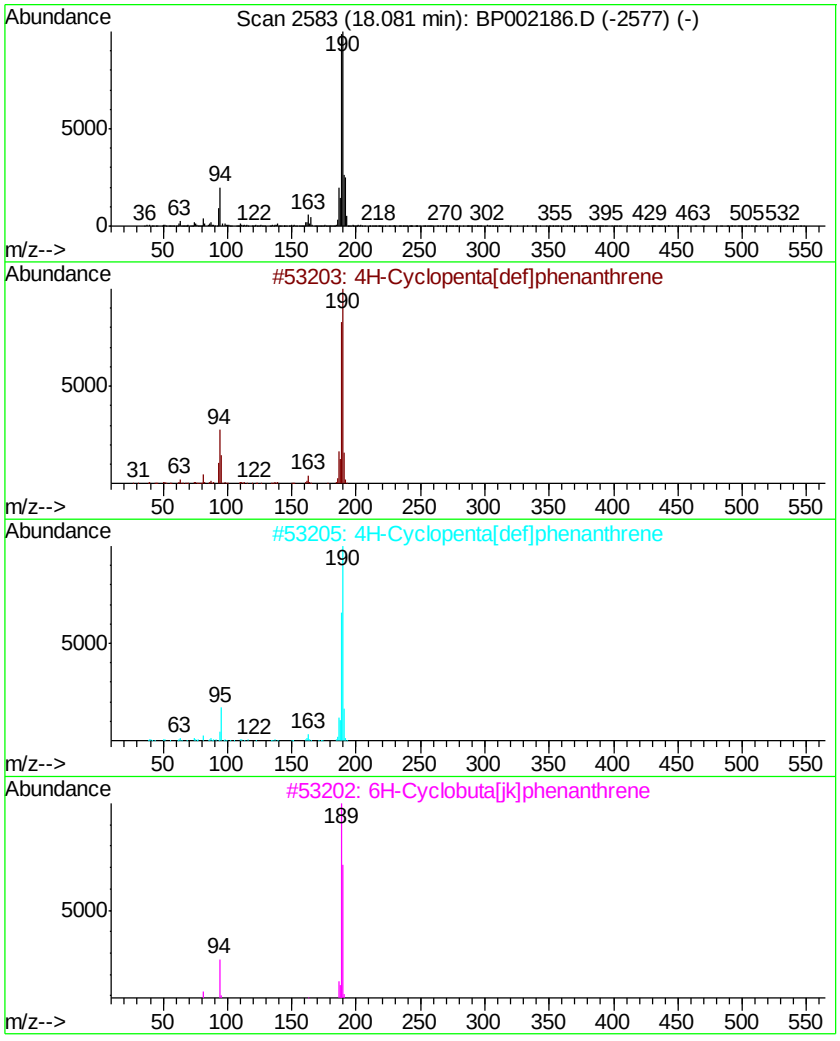
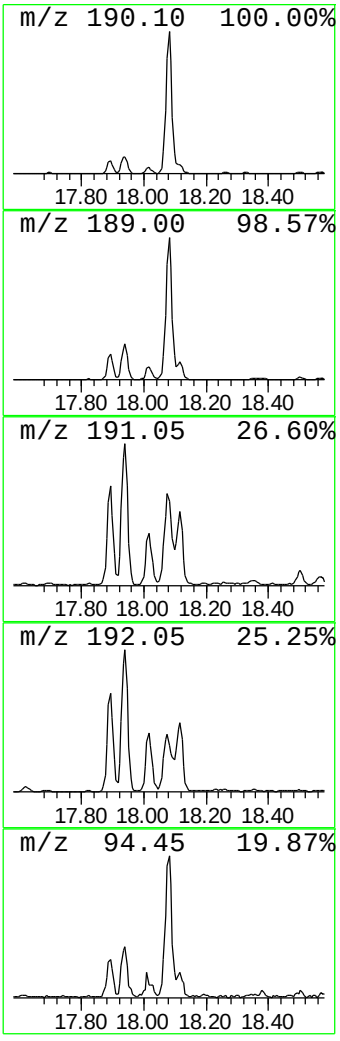
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	4.75 ng/ul	787626	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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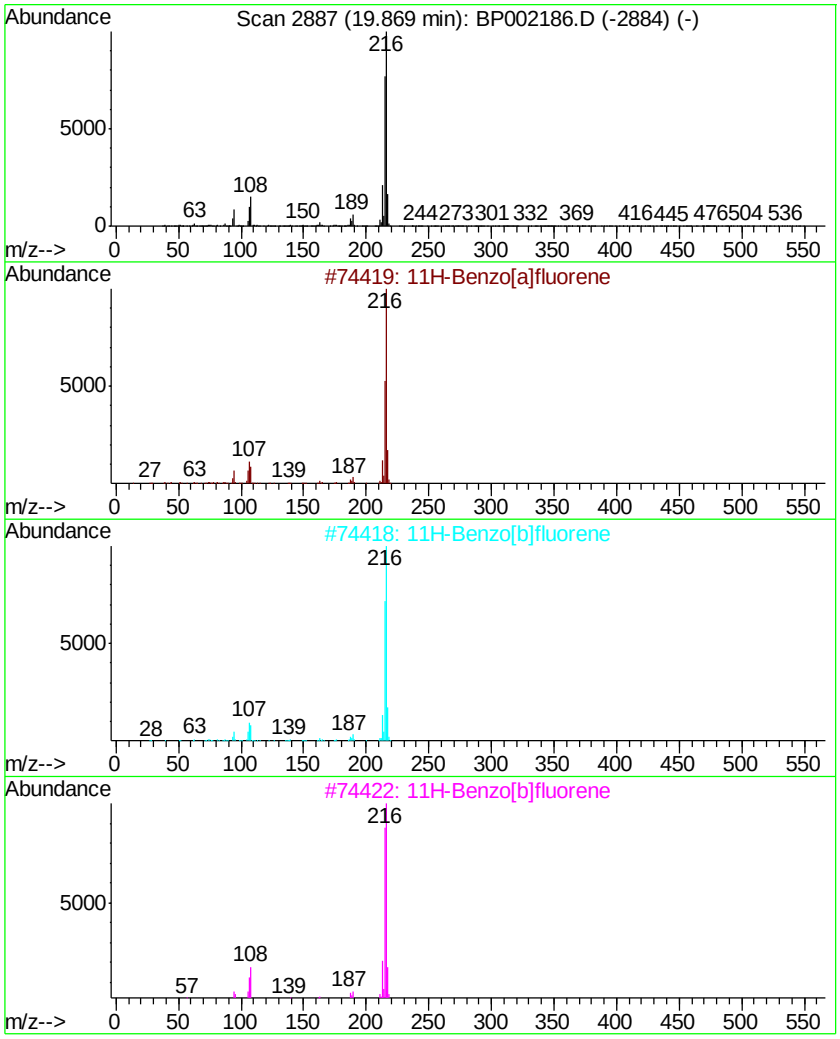
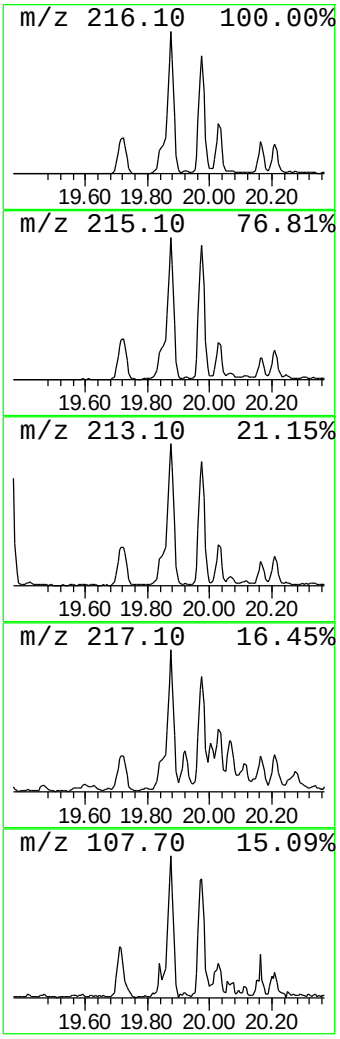
Peak Number 4 11H-Benzo[a]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.70 ng/ul	1119730	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

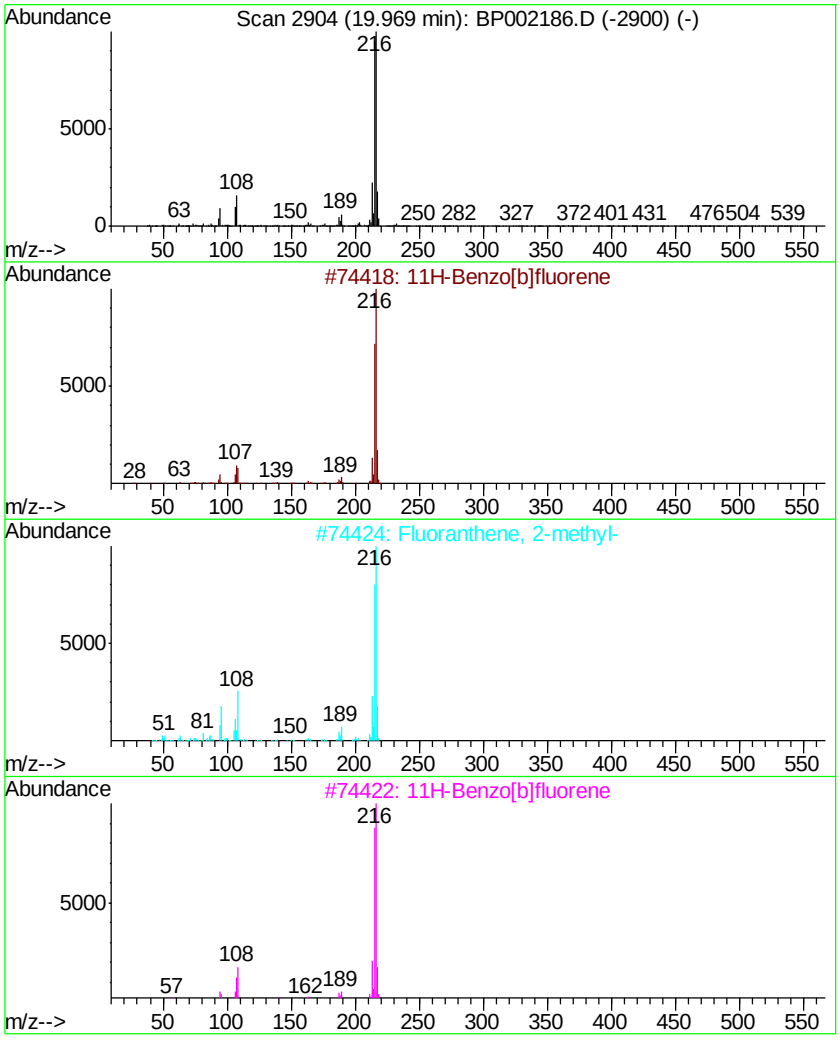
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

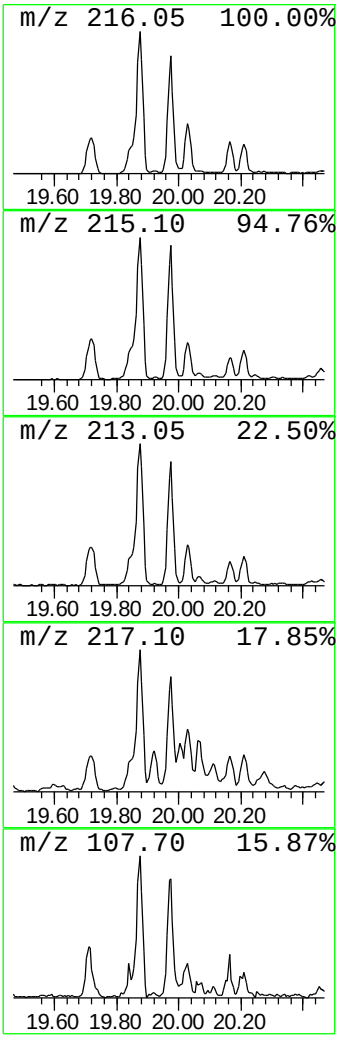
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.28 ng/ul	945859	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

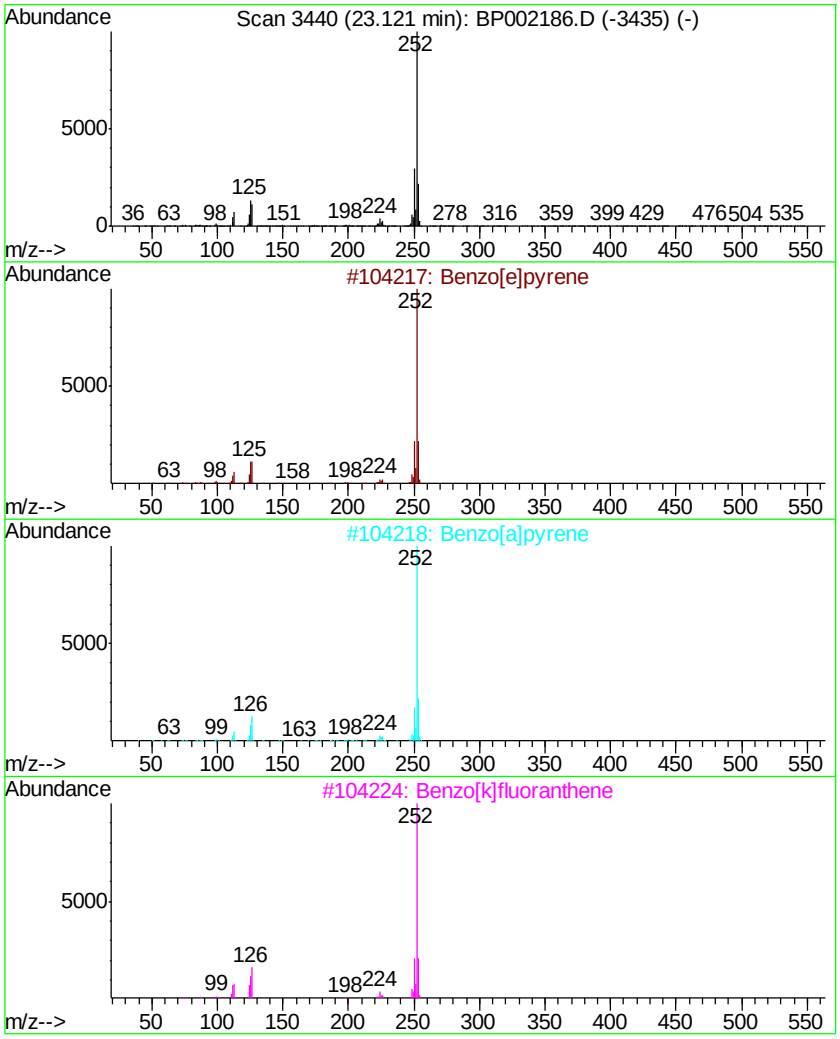
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

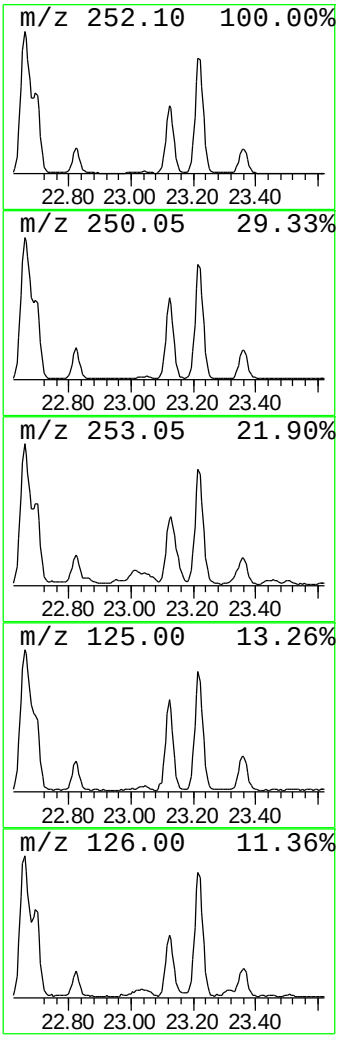
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	7.57 ng/ul	1662500	Perylene-d12	23.32

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	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP031220\
Data File : BP002186.D
Acq On : 12 Mar 2020 16:29
Operator : CG/JU
Sample : L1786-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AD0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.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
Phenanthrene, 2-m...	17.89	2.0	ng/ul	334136	4	17.02	3314820	20.0
Anthracene, 2-met...	17.94	2.9	ng/ul	481504	4	17.02	3314820	20.0
4H-Cyclopenta[def...	18.08	4.8	ng/ul	787626	4	17.02	3314820	20.0
11H-Benzo[a]fluorene	19.87	2.7	ng/ul	1119730	5	21.11	8306470	20.0
11H-Benzo[b]fluorene	19.97	2.3	ng/ul	945859	5	21.11	8306470	20.0
Benzo[e]pyrene	23.12	7.6	ng/ul	1662500	6	23.32	4391340	20.0