LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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	3.658	127	131	139	rVB	70708	92397	0.90%	0.079%
2	6.810	657	667	682	rBV	354297	585962	5.72%	0.503%
3	6.963	686	693	707	rVV	322356	533510	5.21%	0.458%
4	7.163	720	727	737	rBV	404850	637452	6.22%	0.547%
5	7.628	798	806	816	rBV	1108513	1749914	17.08%	1.501%
6	8.334	919	926	940	rBV	429805	746714	7.29%	0.641%
7	8.769	992	1000	1015	rBV	343068	578366	5.65%	0.496%
8	9.487	1114	1122	1130	rBV	258365	434984	4.25%	0.373%
9	10.028	1205	1214	1235	rBV	438218	799149	7.80%	0.686%
10	10.399	1269	1277	1282	rBV	1557812	2617384	25.55%	2.245%
11	10.446	1282	1285	1293	rVB	108295	172511	1.68%	0.148%
12	10.534	1293	1300	1316	rBV	366032	699167	6.83%	0.600%
13	13.675	1829	1834	1839	rVV	926751	1284089	12.54%	1.101%
14	13.722	1839	1842	1850	rVB	163552	221058	2.16%	0.190%
15	13.951	1874	1881	1898	rBV	973937	1651226	16.12%	1.416%
16	14.263	1927	1934	1940	rBV2	2418877	3598021	35.13%	3.086%
17	14.328	1940	1945	1953	rVB	222223	336236	3.28%	0.288%
18	14.475	1965	1970	1982	rBV	136943	298696	2.92%	0.256%
19	14.663	1996	2002	2013	rBV	142070	303564	2.96%	0.260%
20	15.263	2097	2104	2109	rBV	1441784	2044661	19.96%	1.754%
21	15.316	2109	2113	2119	rVV	334879	473111	4.62%	0.406%
22	15.386	2119	2125	2132	rVV	182237	311244	3.04%	0.267%
23	15.481	2138	2141	2148	rVV2	41815	89408	0.87%	0.077%
24	15.616	2160	2164	2175	rVB	68575	109866	1.07%	0.094%
25	15.763	2184	2189	2197	rVB	72035	146433	1.43%	0.126%
26	16.328	2273	2285	2290	rBV4	58444	145703	1.42%	0.125%
27	16.775	2353	2361	2364	rBV2	58395	135526	1.32%	0.116%
28	16.833	2364	2371	2376	rVB	142345	222970	2.18%	0.191%
29	17.016	2396	2402	2405	rVV	3015617	4160242	40.61%	3.569%
30	17.057	2405	2409	2414	rVV	2991312	4193645	40.94%	3.597%
31	17.116	2414	2419	2422	rVV	1416190	2160559	21.09%	1.853%
32	17.145	2422	2424	2430	rVV	935126	1154126	11.27%	0.990%
33	17.210	2430	2435	2442	rVB	84361	144328	1.41%	0.124%
34	17.422	2461	2471	2476	rBV2	294625	506908	4.95%	0.435%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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	17.892	2542	2551	2555	rBV	308728	460902	4.50%	0.395%
36	17.933	2555	2558	2566	rVB	481907	679911	6.64%	0.583%
37	18.016	2566	2572	2577	rBV	202819	289916	2.83%	0.249%
38	18.080	2577	2583	2587	rBV2	684605	1122738	10.96%	0.963%
39	18.116	2587	2589	2596	rVB	209173	234568	2.29%	0.201%
40	18.380	2630	2634	2637	rVV	315354	405633	3.96%	0.348%
41	18.416	2637	2640	2645	rVB	87923	114112	1.11%	0.098%
42	18.622	2671	2675	2679	rVV	77955	96881	0.95%	0.083%
43	18.669	2679	2683	2686	rVV	74105	89746	0.88%	0.077%
44	18.710	2686	2690	2693	rVB2	68417	89585	0.87%	0.077%
45	18.786	2697	2703	2708	rBV2	164244	293392	2.86%	0.252%
46	18.845	2708	2713	2716	rVV2	126128	226137	2.21%	0.194%
47	18.916	2721	2725	2734	rVV2	118773	235320	2.30%	0.202%
48	19.039	2740	2746	2753	rVV	6353432	8202566	80.08%	7.036%
49	19.133	2759	2762	2766	rVV2	95083	138334	1.35%	0.119%
50	19.180	2766	2770	2774	rVV2	72565	104750	1.02%	0.090%
51	19.275	2779	2786	2795	rVV2	191476	442459	4.32%	0.380%
52	19.363	2795	2801	2803	rVV2	2963477	4337500	42.35%	3.721%
53	19.386	2803	2805	2814	rVV	4832185	6205219	60.58%	5.323%
54	19.463	2814	2818	2826	rVB2	236705	366751	3.58%	0.315%
55	19.569	2831	2836	2841	rVV	365183	492325	4.81%	0.422%
56	19.622	2841	2845	2851	rVB	258051	375196	3.66%	0.322%
57	19.722	2854	2862	2866	rBV3	303875	767696	7.49%	0.659%
58	19.757	2866	2868	2872	rVB	106912	111244	1.09%	0.095%
59	19.845	2878	2883	2884	rBV2	218047	318059	3.11%	0.273%
60	19.874	2884	2888	2893	rVB	1119814	1493596	14.58%	1.281%
61	19.922	2893	2896	2899	rBV	74831	87940	0.86%	0.075%
62	19.974	2900	2905	2909	rBV	1067482	1287452	12.57%	1.104%
63	20.027	2909	2914	2918	rVV2	465207	745925	7.28%	0.640%
64	20.069	2918	2921	2925	rVB	167023	206310	2.01%	0.177%
65	20.110	2925	2928	2933	rBV2	108308	134781	1.32%	0.116%
66	20.163	2933	2937	2941	rBV	197472	266397	2.60%	0.229%
67	20.210	2941	2945	2950	rBV4	238391	344865	3.37%	0.296%
68	20.457	2984	2987	2989	rBV3	75674	88009	0.86%	0.075%
69	20.486	2989	2992	2996	rVB3	122261	187787	1.83%	0.161%
70	20.569	3002	3006	3009	rBV3	145723	247968	2.42%	0.213%
71	20.604	3009	3012	3019	rVB2	210240	370534	3.62%	0.318%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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	20.769	3034	3040	3043	rBV	394534	604078	5.90%	0.518%
73	20.804	3043	3046	3049	rVV	559544	644338	6.29%	0.553%
74	20.845	3049	3053	3058	rVV2	558991	1068144	10.43%	0.916%
75	20.892	3058	3061	3070	rVB3	267642	470336	4.59%	0.403%
76	20.998	3073	3079	3084	rBV	143663	341086	3.33%	0.293%
77	21.104	3091	3097	3102	rBV3	5258319	10243155	100.00%	8.787%
78	21.145	3102	3104	3112	rVB	3084153	3754572	36.65%	3.221%
79	21.263	3121	3124	3130	rBV	526098	708210	6.91%	0.608%
80	21.369	3138	3142	3146	rVB2	308192	416811	4.07%	0.358%
81	21.416	3146	3150	3156	rBV2	406168	630117	6.15%	0.541%
82	21.604	3178	3182	3184	rBV	124054	163452	1.60%	0.140%
83	21.651	3185	3190	3194	rVV	529696	840937	8.21%	0.721%
84	21.704	3196	3199	3204	rVB2	308630	481862	4.70%	0.413%
85	21.804	3213	3216	3220	rVB2	250193	290399	2.84%	0.249%
86	21.845	3220	3223	3226	rVV	273078	389355	3.80%	0.334%
87	21.880	3226	3229	3234	rVB3	455861	642179	6.27%	0.551%
88	21.945	3235	3240	3249	rVB4	206134	427614	4.17%	0.367%
89	22.174	3276	3279	3285	rVB4	280896	395821	3.86%	0.340%
90	22.410	3316	3319	3327	rVB	151683	252717	2.47%	0.217%
91	22.657	3355	3361	3367	rBV	2667476	6791100	66.30%	5.825%
92	22.821	3385	3389	3396	rVB	497147	786734	7.68%	0.675%
93	22.957	3408	3412	3414	rBV2	152075	247000	2.41%	0.212%
94	23.127	3435	3441	3445	rBV	1179438	2331725	22.76%	2.000%
95	23.174	3445	3449	3452	rVV	1304614	2241969	21.89%	1.923%
96	23.221	3452	3457	3465	rVB	2233658	4382366	42.78%	3.759%
97	23.315	3466	3473	3478	rVV	2824237	5424784	52.96%	4.653%
98	23.363	3478	3481	3490	rVB2	571558	1070802	10.45%	0.919%
99	25.527	3841	3849	3861	rVB2	1185345	3472585	33.90%	2.979%
100	26.209	3956	3965	3983	rVB	629700	2061810	20.13%	1.769%

Sum of corrected areas: 116577692

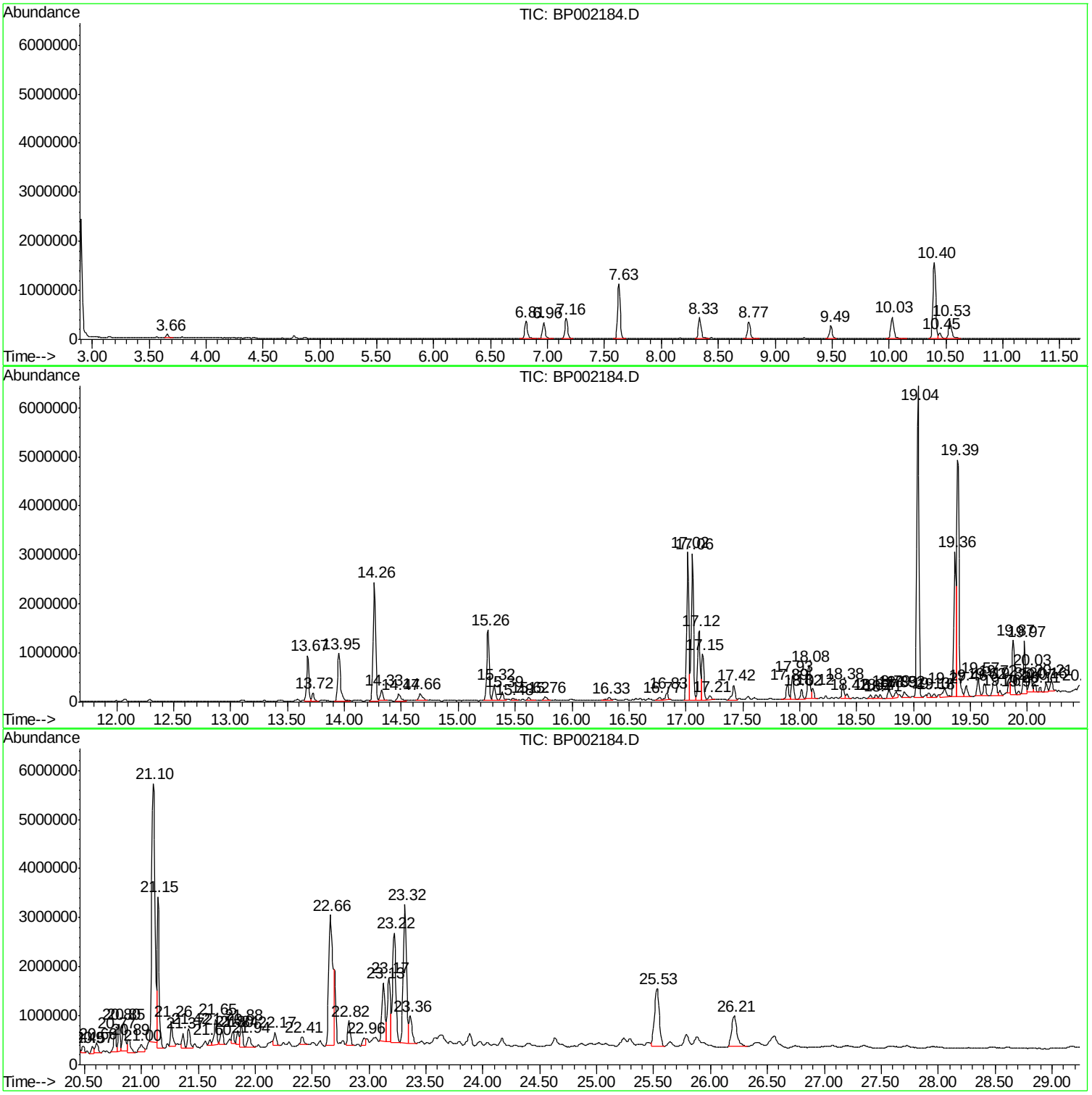
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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

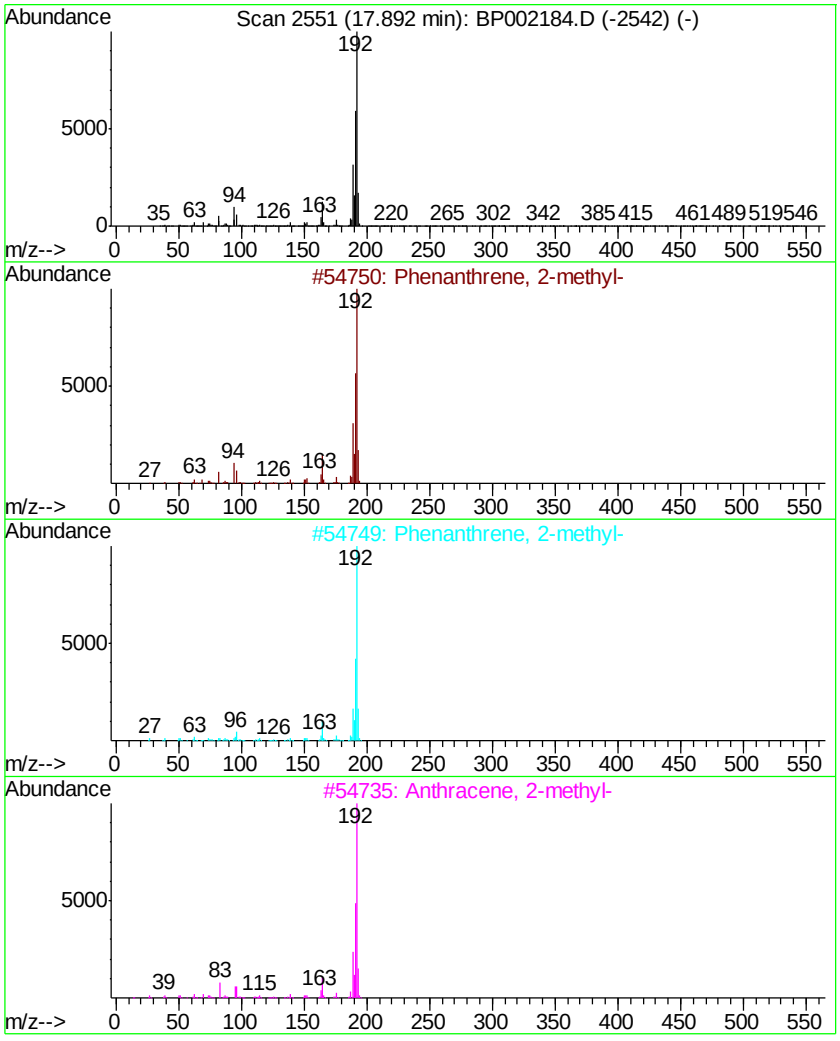
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

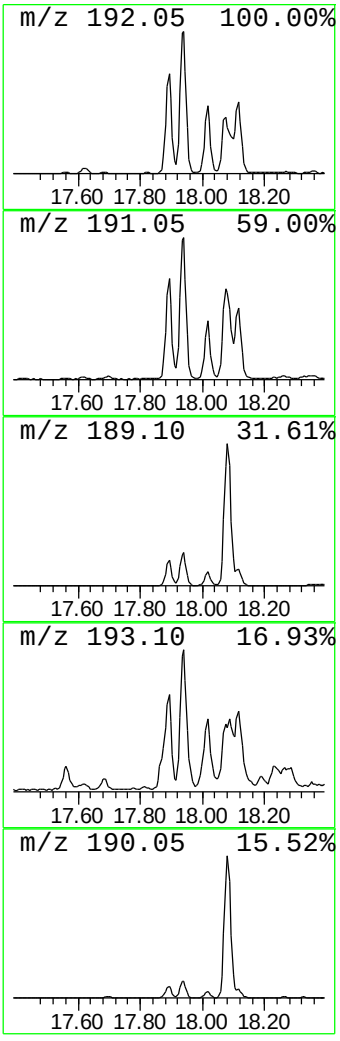
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.22 ng/ul	460902	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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

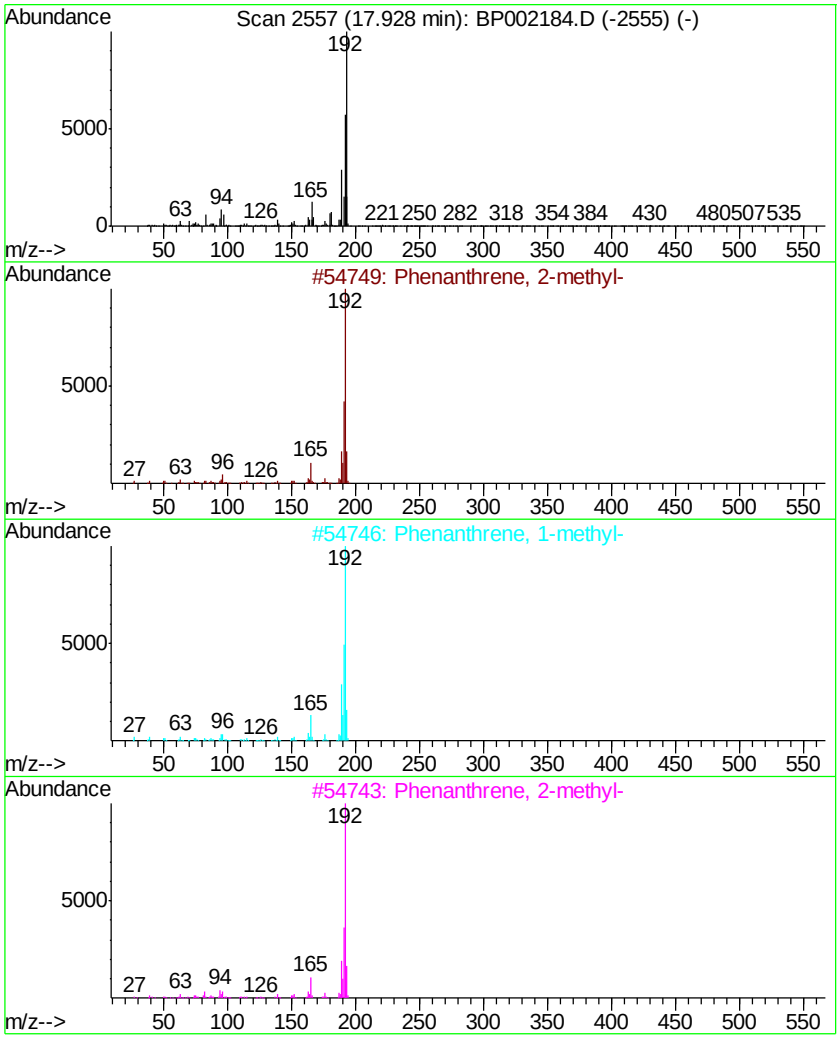
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

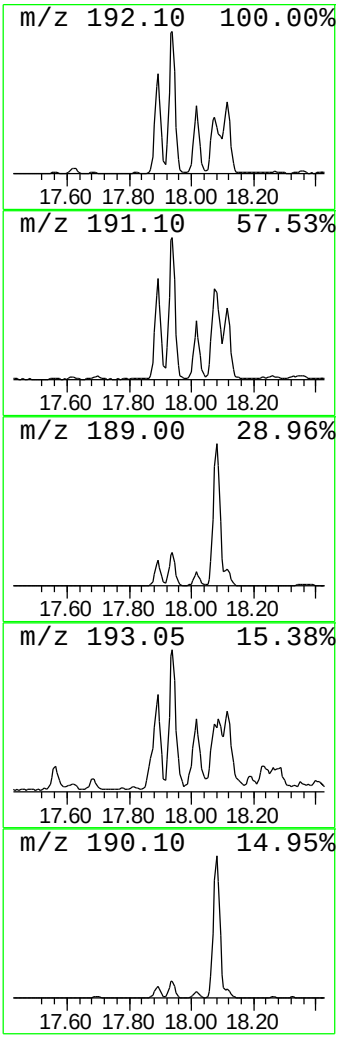
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.27 ng/ul	679911	Phenanthrene-d10	17.02

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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

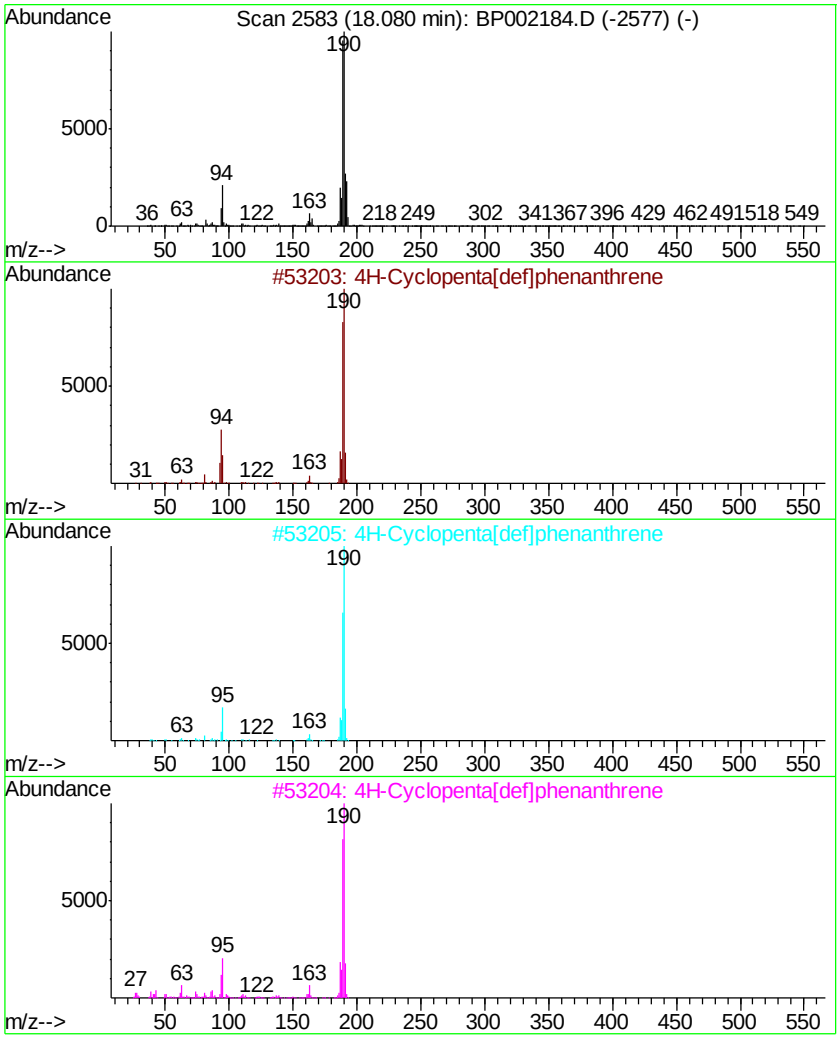
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

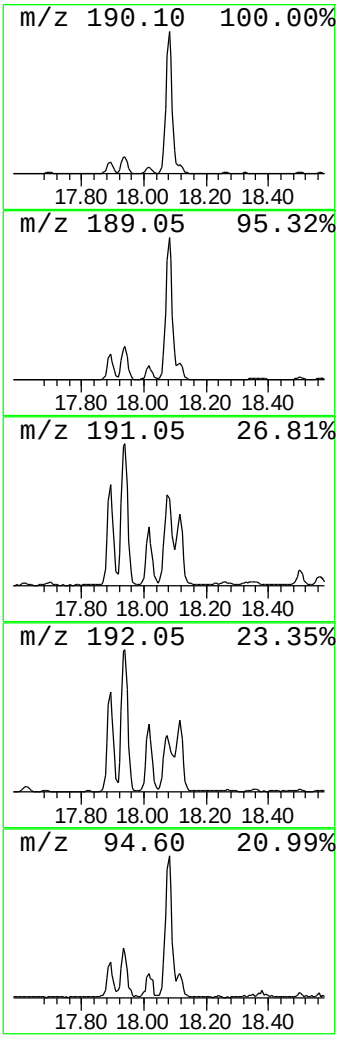
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	5.40 ng/ul	1122740	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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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

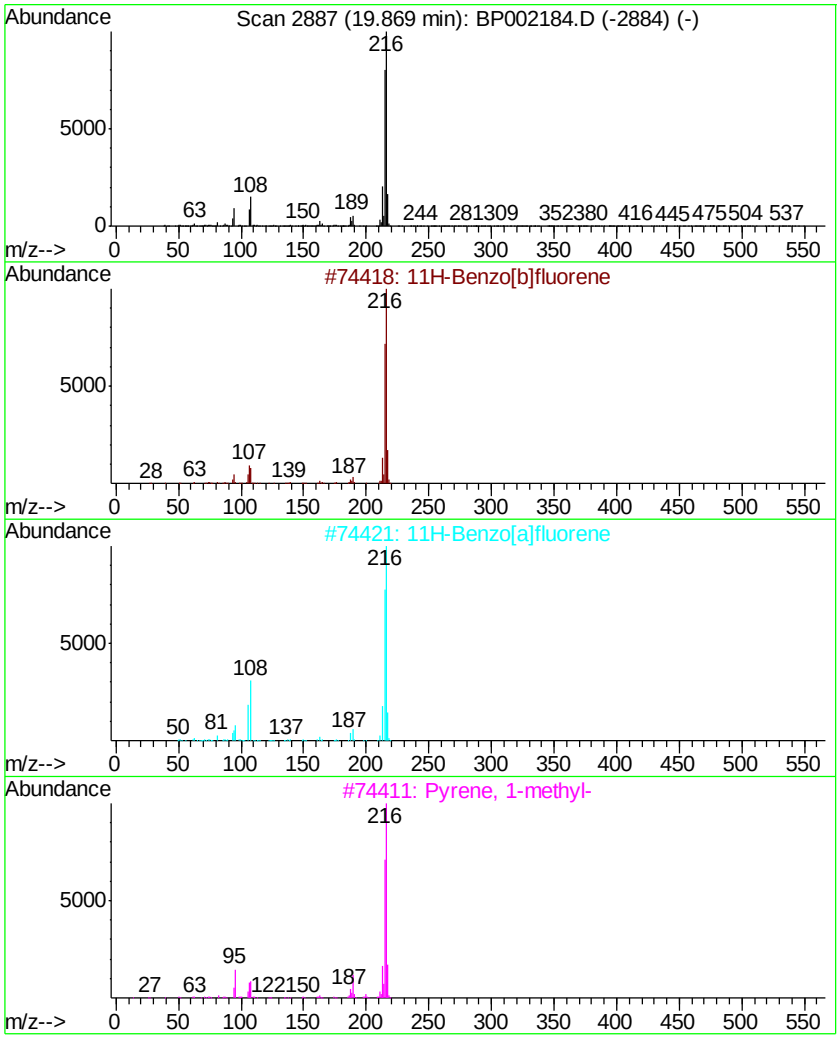
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

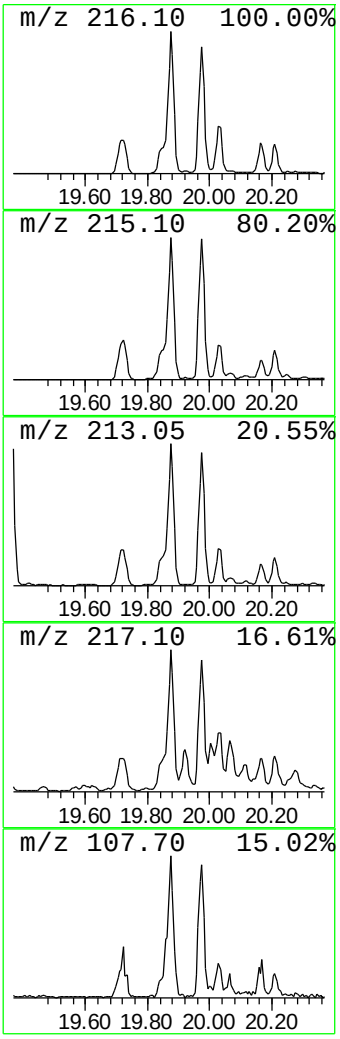
****

Peak Number 4 11H-Benzo[b]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.92 ng/ul	1493600	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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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

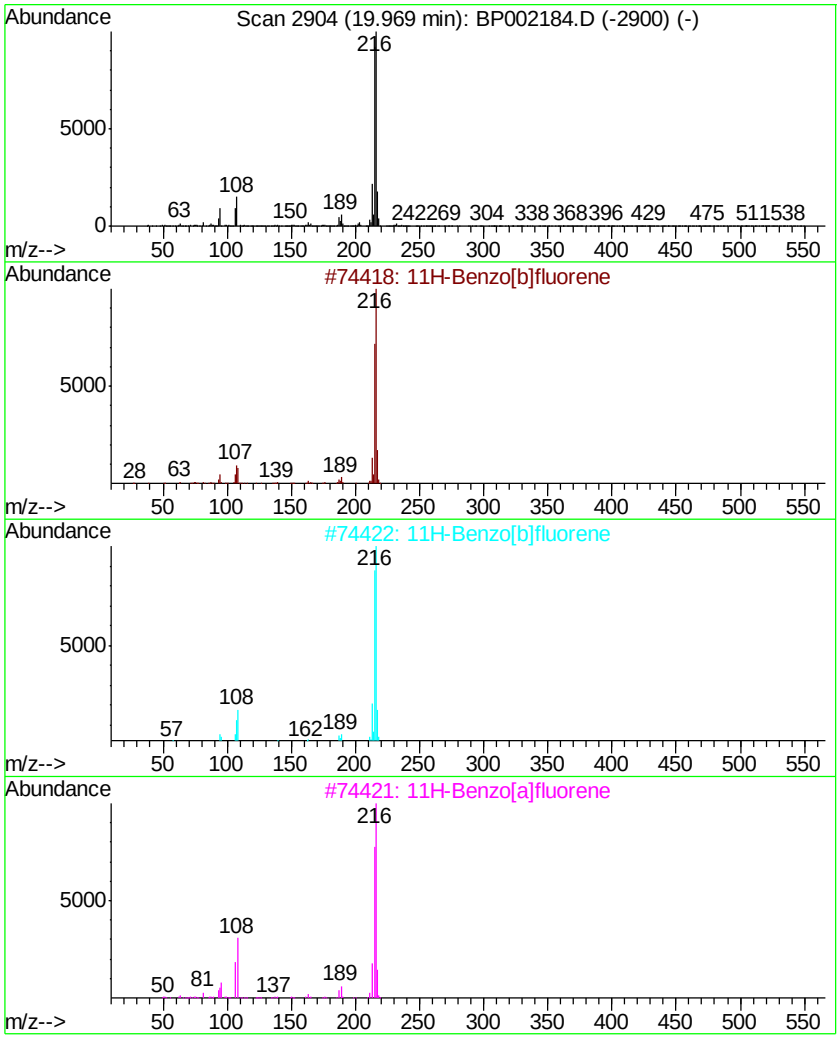
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

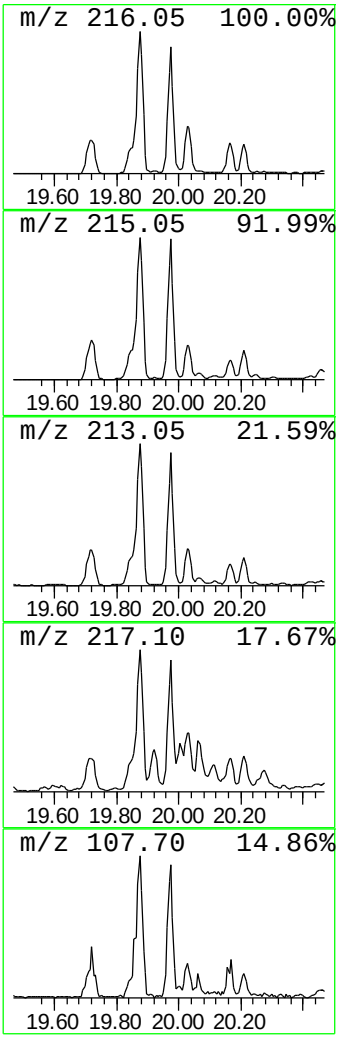
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.51 ng/ul	1287450	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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

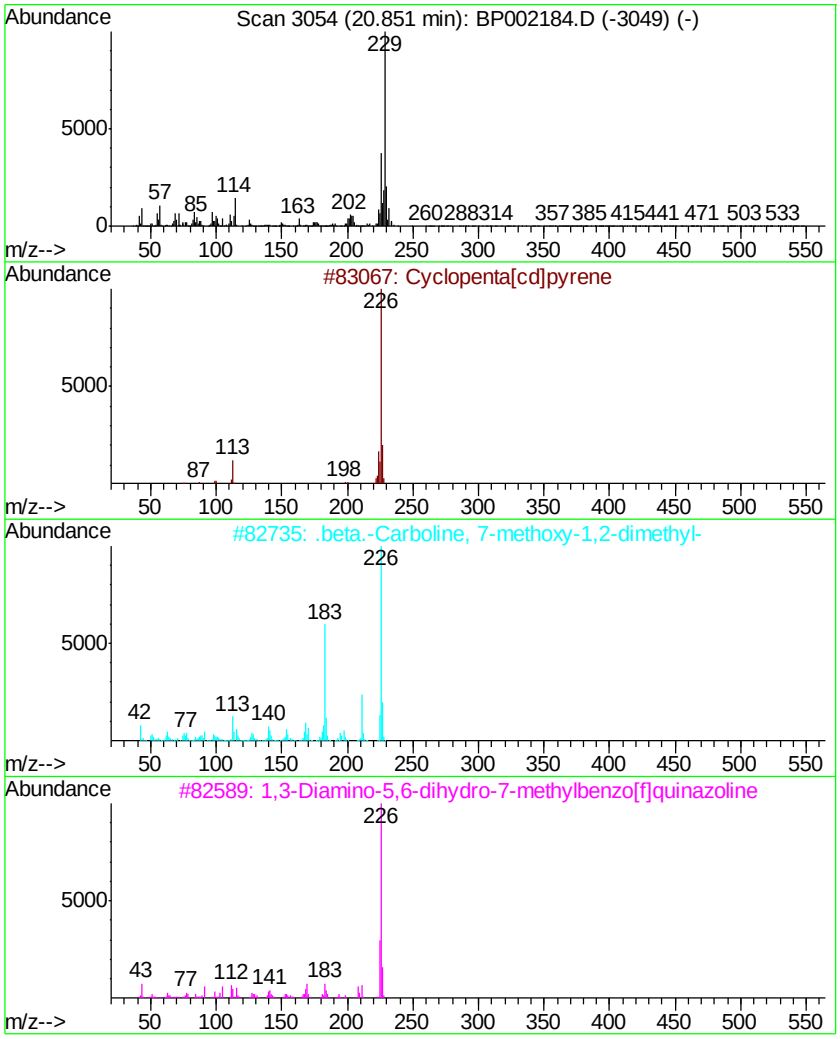
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

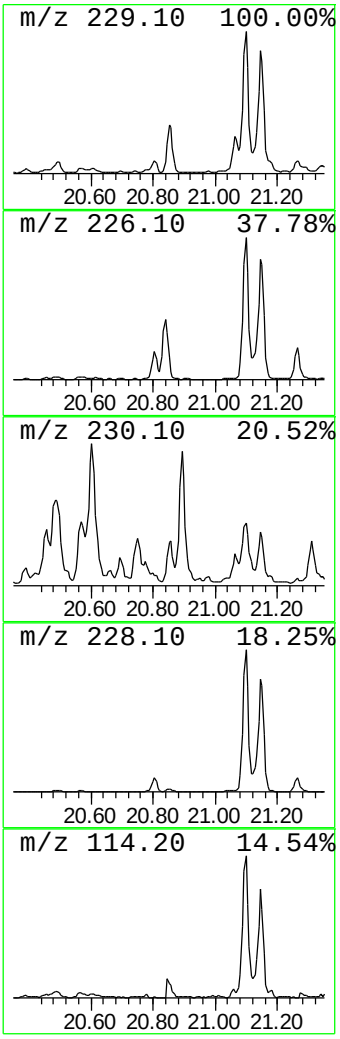
****

Peak Number 6 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.09 ng/ul	1068140	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	38
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
5	Ethylamine, N,N-diheptyl-2-pheny...	349	C22H39NS	1000310-32-6	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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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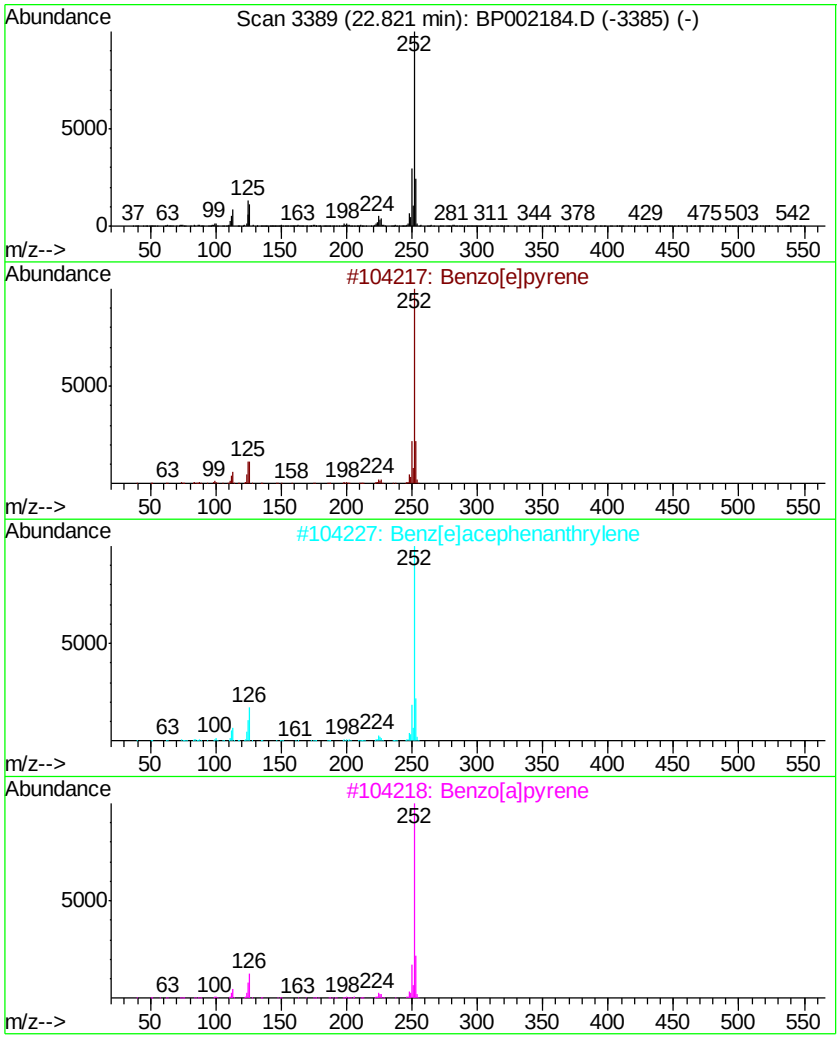
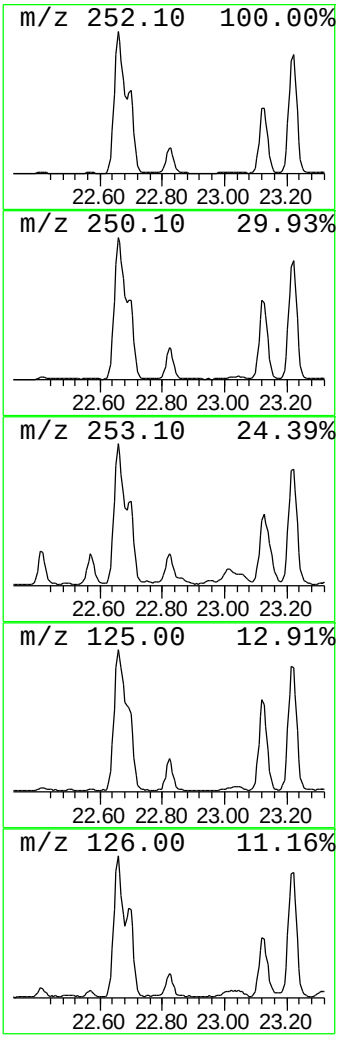
Peak Number 7 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.82	2.90 ng/ul	786734	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP031220\
Data File : BP002184.D
Acq On : 12 Mar 2020 15:21
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AC9

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	2.2	ng/ul	460902	4	17.02	4160240	20.0
Phenanthrene, 1-m...	17.93	3.3	ng/ul	679911	4	17.02	4160240	20.0
4H-Cyclopenta[def...	18.08	5.4	ng/ul	1122740	4	17.02	4160240	20.0
11H-Benzo[b]fluorene	19.87	2.9	ng/ul	1493600	5	21.11	10243200	20.0
11H-Benzo[a]fluorene	19.97	2.5	ng/ul	1287450	5	21.11	10243200	20.0
unknown-01	20.85	2.1	ng/ul	1068140	5	21.11	10243200	20.0
Benzo[e]pyrene	22.82	2.9	ng/ul	786734	6	23.32	5424780	20.0