LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.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	6.846	651	656	668	rVB	93142	174449	3.58%	0.299%
2	6.999	677	682	694	rBV	84675	140608	2.88%	0.241%
3	7.193	710	715	726	rVB	105198	180601	3.70%	0.309%
4	7.657	786	794	804	rBV	784132	1295545	26.56%	2.219%
5	8.369	909	915	928	rBV	117732	218809	4.49%	0.375%
6	8.804	983	989	998	rBV	103682	184041	3.77%	0.315%
7	9.522	1105	1111	1122	rVB	76031	134323	2.75%	0.230%
8	10.063	1197	1203	1219	rVB	108539	209429	4.29%	0.359%
9	10.428	1256	1265	1281	rBV	1225761	2026695	41.54%	3.471%
10	10.581	1282	1291	1301	rBV2	64102	134470	2.76%	0.230%
11	13.610	1799	1806	1811	rBV2	35356	64288	1.32%	0.110%
12	13.704	1818	1822	1826	rVV	265054	366445	7.51%	0.628%
13	13.751	1826	1830	1839	rVB	92775	145103	2.97%	0.248%
14	13.981	1863	1869	1879	rBV	309479	499096	10.23%	0.855%
15	14.198	1901	1906	1912	rBV2	35200	52889	1.08%	0.091%
16	14.292	1914	1922	1929	rVV2	1775992	2705371	55.45%	4.633%
17	14.357	1929	1933	1942	rVB	121558	179911	3.69%	0.308%
18	14.604	1967	1975	1980	rBV3	31881	57711	1.18%	0.099%
19	15.286	2086	2091	2097	rVB	393290	584115	11.97%	1.000%
20	15.345	2097	2101	2105	rBV	85989	117718	2.41%	0.202%
21	15.469	2119	2122	2126	rVV	45875	66049	1.35%	0.113%
22	15.639	2148	2151	2161	rVB3	22410	52697	1.08%	0.090%
23	16.022	2211	2216	2224	rVB2	33750	56655	1.16%	0.097%
24	16.351	2261	2272	2277	rBV4	48065	124286	2.55%	0.213%
25	16.398	2277	2280	2287	rVV3	38902	60236	1.23%	0.103%
26	16.704	2326	2332	2338	rVB	55325	90117	1.85%	0.154%
27	16.810	2339	2350	2356	rBV	1836504	2453151	50.28%	4.201%
28	16.863	2356	2359	2363	rVV	66491	87349	1.79%	0.150%
29	16.916	2363	2368	2374	rVB	1263888	1574765	32.28%	2.697%
30	17.010	2378	2384	2386	rBV	402324	550661	11.29%	0.943%
31	17.045	2386	2390	2394	rVV	2220091	3205158	65.70%	5.489%
32	17.086	2394	2397	2402	rVV	1363527	1824333	37.40%	3.124%
33	17.139	2402	2406	2410	rVV2	452455	697495	14.30%	1.194%
34	17.175	2410	2412	2419	rVV	259361	323357	6.63%	0.554%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

35	17.239	2419	2423	2428	rVB2	28794	48866	1.00%	0.084%
36	17.451	2454	2459	2463	rBV	58368	91159	1.87%	0.156%
37	17.563	2473	2478	2484	rVB	96029	134071	2.75%	0.230%
38	17.628	2484	2489	2493	rBV2	73163	115061	2.36%	0.197%
39	17.757	2503	2511	2520	rVB4	76690	210221	4.31%	0.360%
40	17.839	2520	2525	2530	rBV	49828	86968	1.78%	0.149%
41	17.922	2533	2539	2542	rVV	352425	539435	11.06%	0.924%
42	17.969	2542	2547	2553	rVV	423998	658653	13.50%	1.128%
43	18.051	2556	2561	2565	rVV	130637	196943	4.04%	0.337%
44	18.116	2565	2572	2576	rVV2	509635	974459	19.97%	1.669%
45	18.151	2576	2578	2585	rVB	289162	339528	6.96%	0.581%
46	18.233	2588	2592	2596	rBV3	42789	65051	1.33%	0.111%
47	18.375	2614	2616	2620	rVV3	34928	56009	1.15%	0.096%
48	18.427	2620	2625	2628	rVV	269228	376436	7.72%	0.645%
49	18.469	2628	2632	2638	rVV2	211142	315493	6.47%	0.540%
50	18.551	2642	2646	2652	rBV	57585	95066	1.95%	0.163%
51	18.675	2663	2667	2671	rVV2	126591	182876	3.75%	0.313%
52	18.722	2672	2675	2678	rVV	86709	109038	2.24%	0.187%
53	18.763	2679	2682	2686	rVB4	59649	82023	1.68%	0.140%
54	18.845	2691	2696	2700	rBV	189670	340282	6.98%	0.583%
55	18.880	2700	2702	2704	rVV2	79620	100673	2.06%	0.172%
56	18.910	2704	2707	2710	rVB3	97185	134098	2.75%	0.230%
57	18.986	2715	2720	2728	rBV	291824	535162	10.97%	0.916%
58	19.110	2734	2741	2748	rBV	2336635	3241565	66.45%	5.551%
59	19.180	2749	2753	2755	rVV	88745	120239	2.46%	0.206%
60	19.210	2755	2758	2764	rVB5	81950	134071	2.75%	0.230%
61	19.316	2773	2776	2779	rBV2	69884	78411	1.61%	0.134%
62	19.357	2780	2783	2788	rBV2	64204	97723	2.00%	0.167%
63	19.451	2793	2799	2800	rBV2	890111	1240643	25.43%	2.125%
64	19.474	2800	2803	2811	rVV	3139150	4219381	86.49%	7.225%
65	19.551	2812	2816	2824	rVB2	113366	216371	4.44%	0.371%
66	19.698	2838	2841	2842	rBV2	56279	67420	1.38%	0.115%
67	19.810	2854	2860	2871	rBV4	276239	703510	14.42%	1.205%
68	19.951	2878	2884	2885	rBV4	259086	448635	9.20%	0.768%
69	19.974	2885	2888	2893	rVB	377827	529830	10.86%	0.907%
70	20.074	2901	2905	2909	rBV	221747	296082	6.07%	0.507%
71	20.133	2911	2915	2919	rVV	419425	589705	12.09%	1.010%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

72	20.169	2919	2921	2926	rVB	168088	217384	4.46%	0.372%
73	20.274	2935	2939	2943	rBV	418666	550043	11.27%	0.942%
74	20.322	2943	2947	2951	rVB2	432524	552362	11.32%	0.946%
75	20.386	2955	2958	2963	rVB2	138149	171997	3.53%	0.295%
76	20.727	3012	3016	3023	rVB2	497300	730409	14.97%	1.251%
77	20.933	3048	3051	3054	rVB	299202	319148	6.54%	0.547%
78	20.969	3054	3057	3063	rVV2	178631	353988	7.26%	0.606%
79	21.027	3064	3067	3074	rVB	323529	444200	9.11%	0.761%
80	21.251	3098	3105	3108	rBV2	2693510	4878529	100.00%	8.354%
81	21.286	3108	3111	3117	rVB	1470446	1816554	37.24%	3.111%
82	21.404	3128	3131	3137	rBV3	226286	326671	6.70%	0.559%
83	21.510	3147	3149	3154	rVB2	304119	348940	7.15%	0.598%
84	21.745	3185	3189	3192	rBV4	178331	296826	6.08%	0.508%
85	21.798	3196	3198	3202	rVB	338095	393299	8.06%	0.674%
86	22.810	3364	3370	3382	rVB2	997744	2835816	58.13%	4.856%
87	23.280	3445	3450	3455	rBV	551787	992561	20.35%	1.700%
88	23.374	3461	3466	3473	rVB	838318	1625687	33.32%	2.784%
89	23.474	3477	3483	3488	rVV	1139856	2098719	43.02%	3.594%
90	25.692	3853	3860	3871	rVB2	389867	1033811	21.19%	1.770%

Sum of corrected areas: 58396027

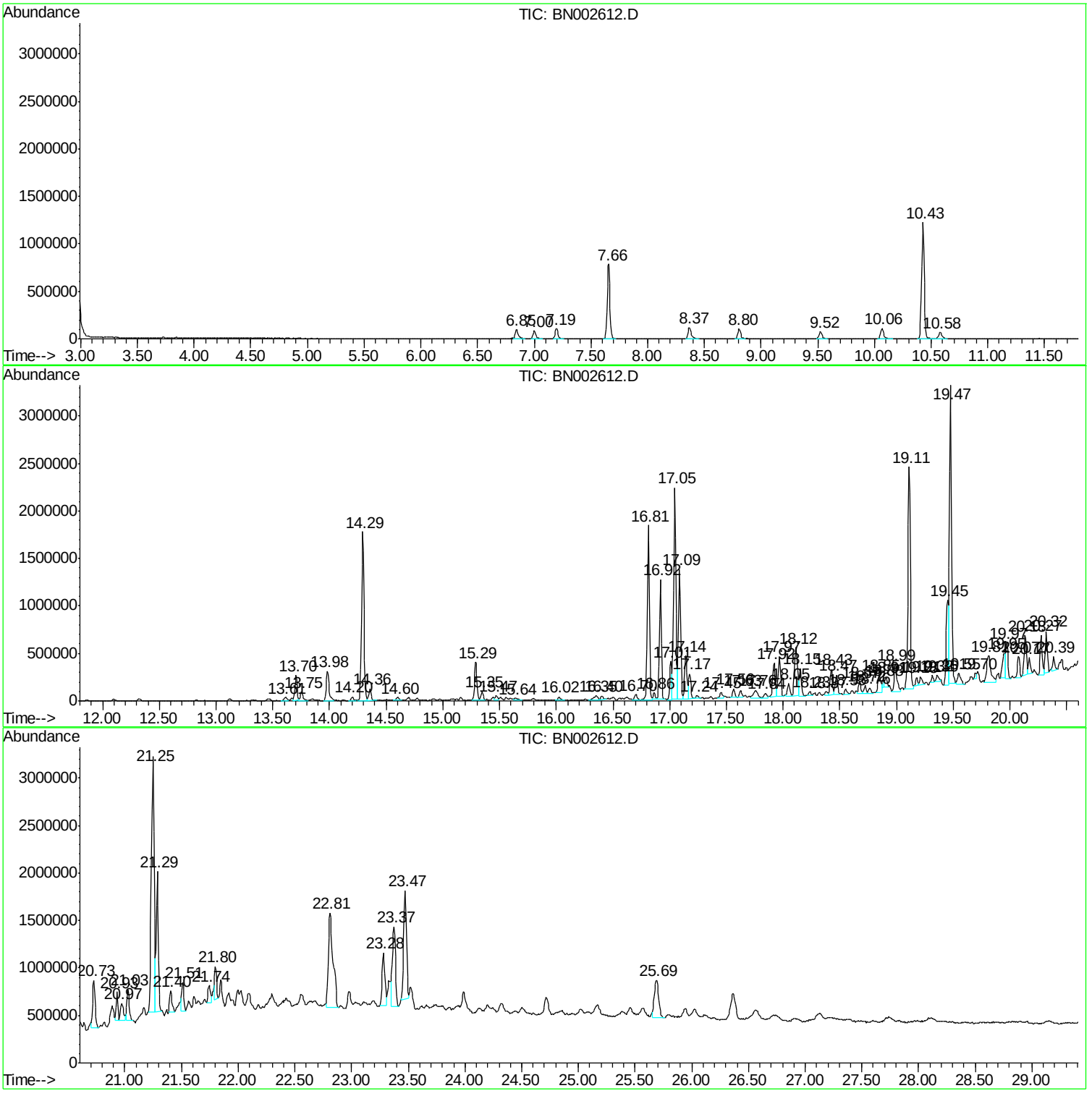
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.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 N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

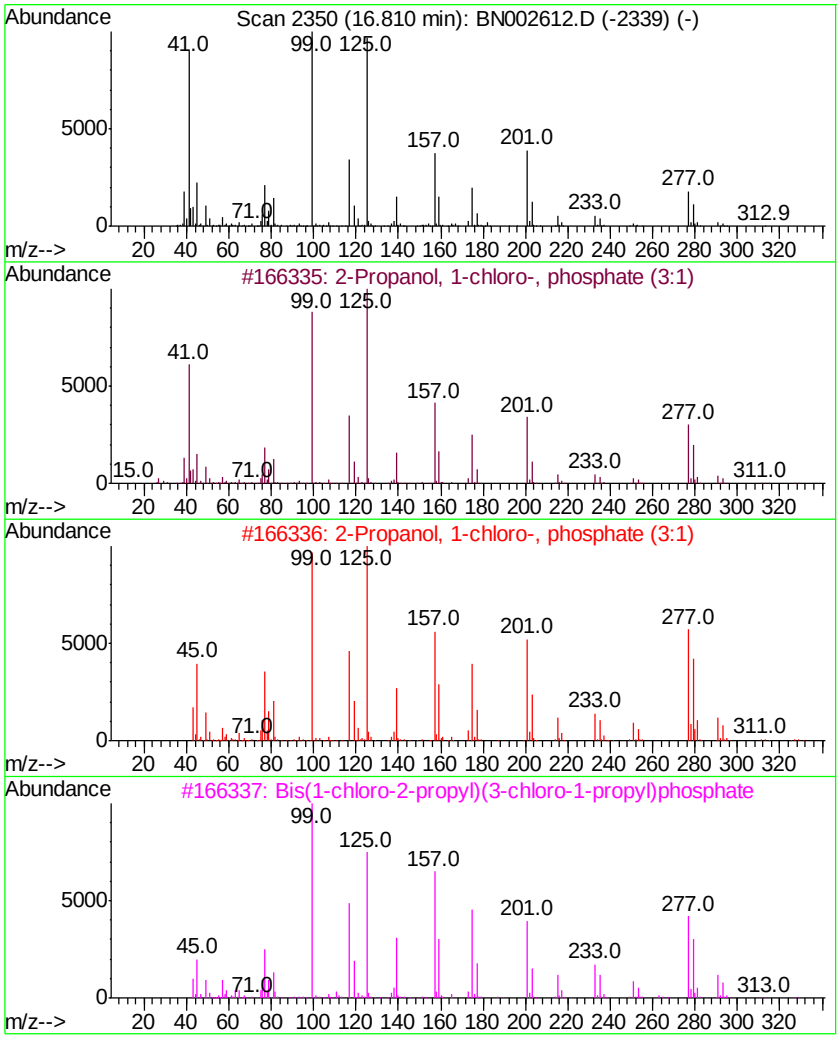
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

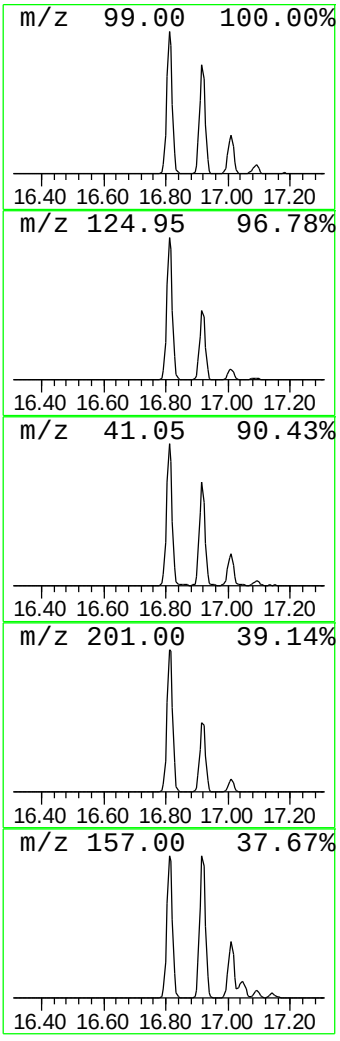
****

Peak Number 1 2-Propanol, 1-chloro-, phos... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	15.31 ng/ul	2453150	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	64
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	25
4	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	16
5	4-Butyl-1,3-thiazole	141	C7H11NS	053833-33-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

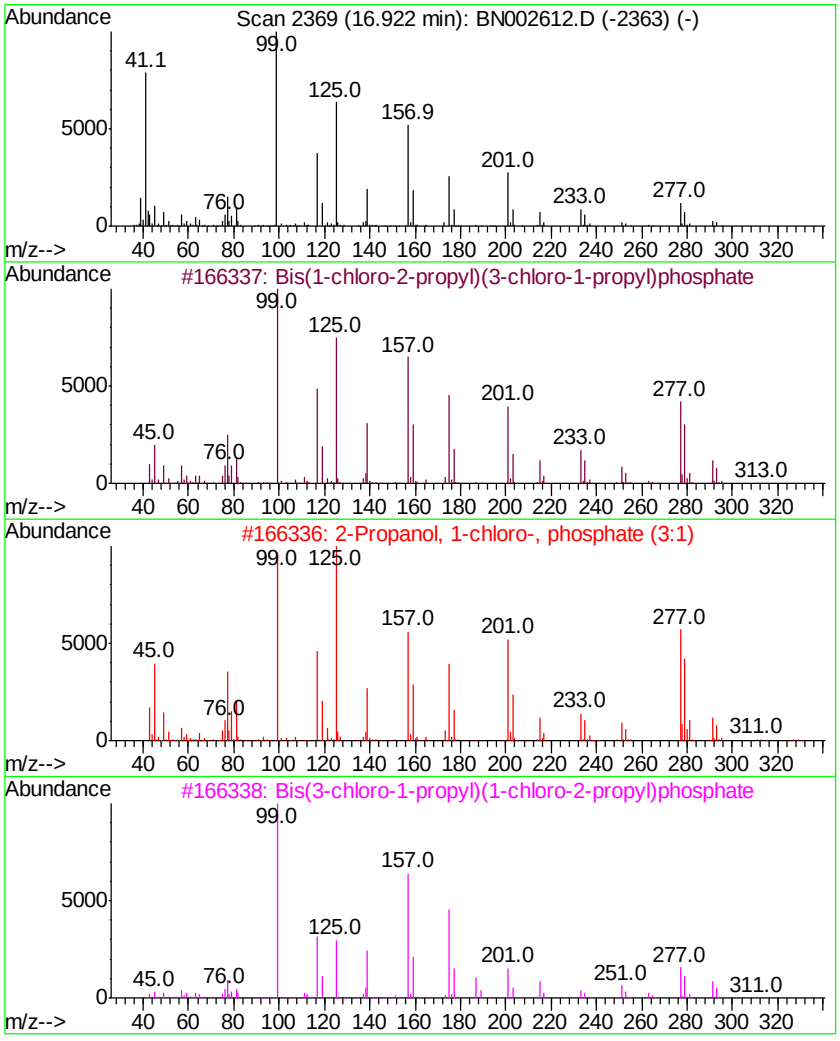
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

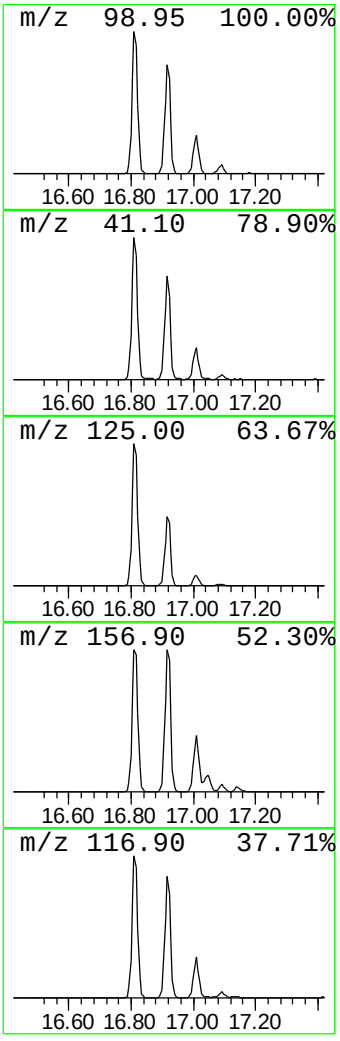
****

Peak Number 2 Bis(1-chloro-2-propyl)(3-ch... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	9.83 ng/ul	1574770	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	94
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	45
3	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	36
4	Sarin	140	C4H10FO2P	000107-44-8	25
5	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

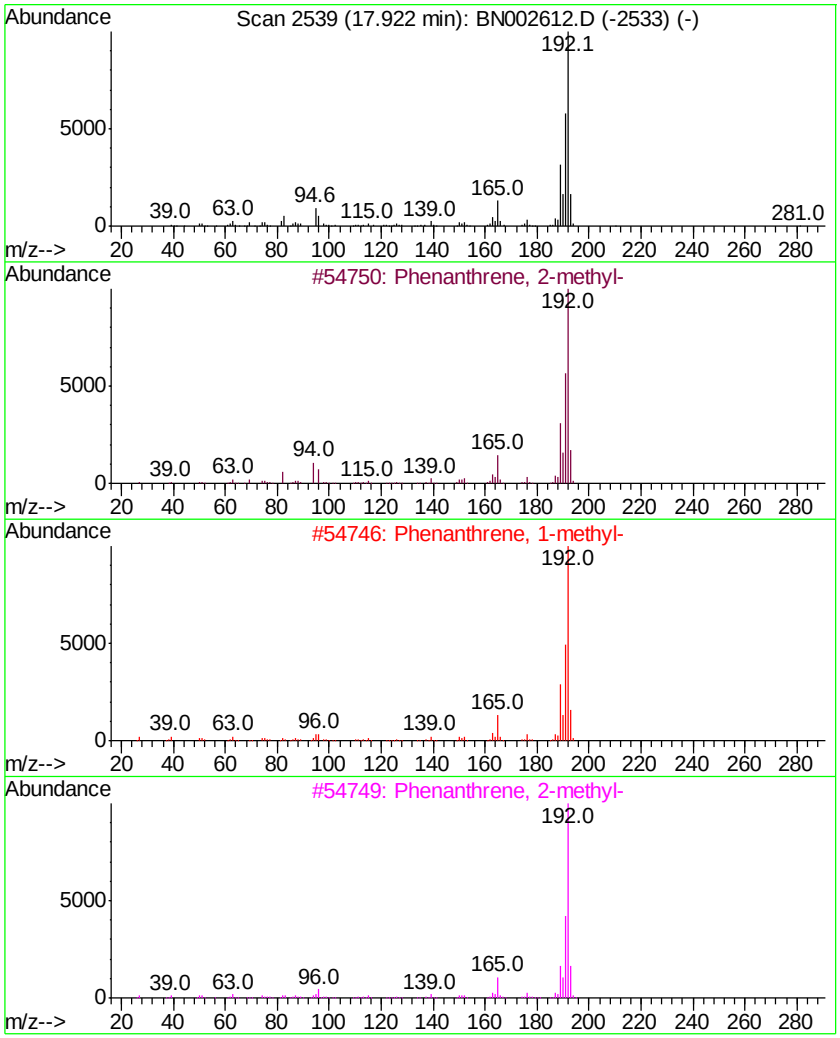
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

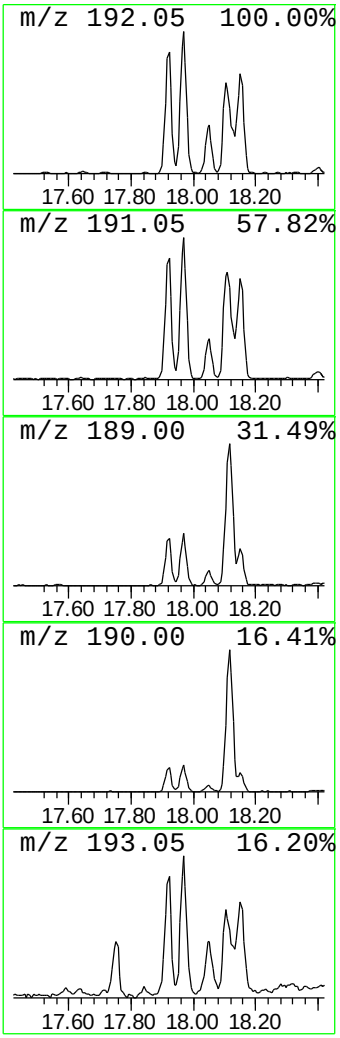
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	3.37 ng/ul	539435	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

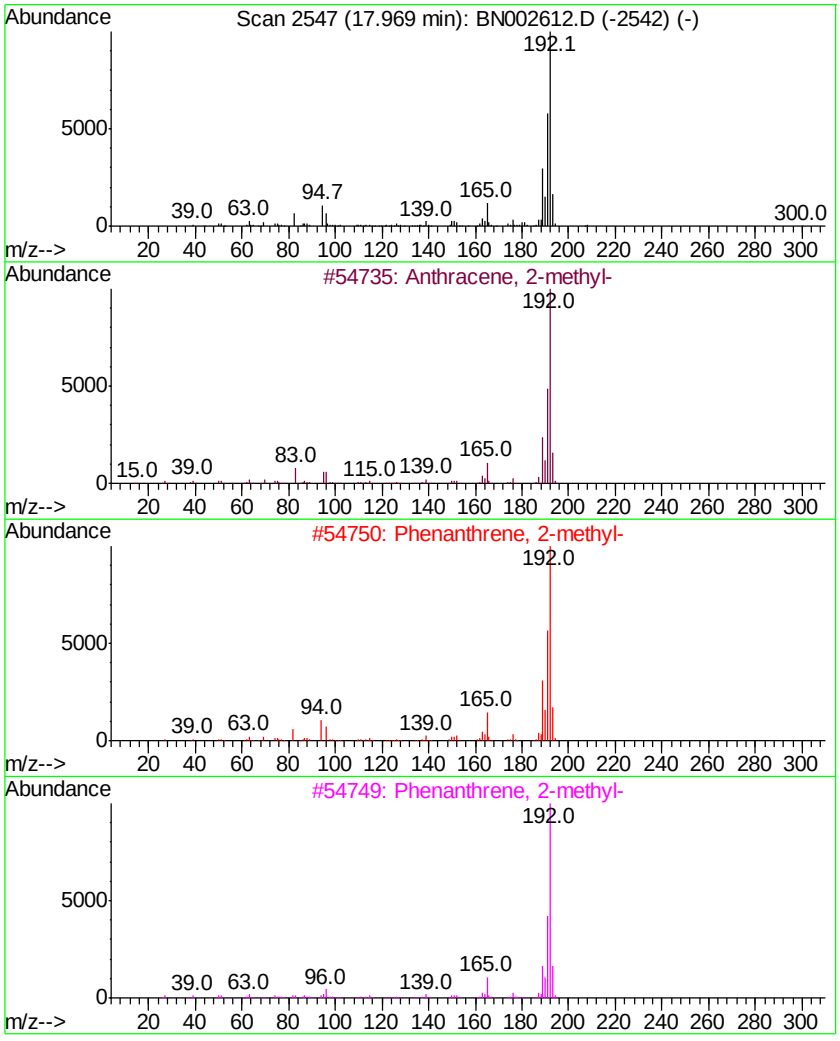
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

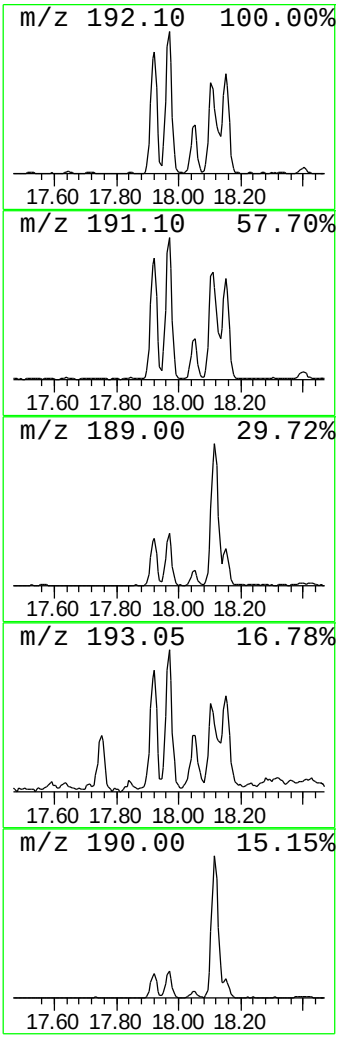
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.11 ng/ul	658653	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

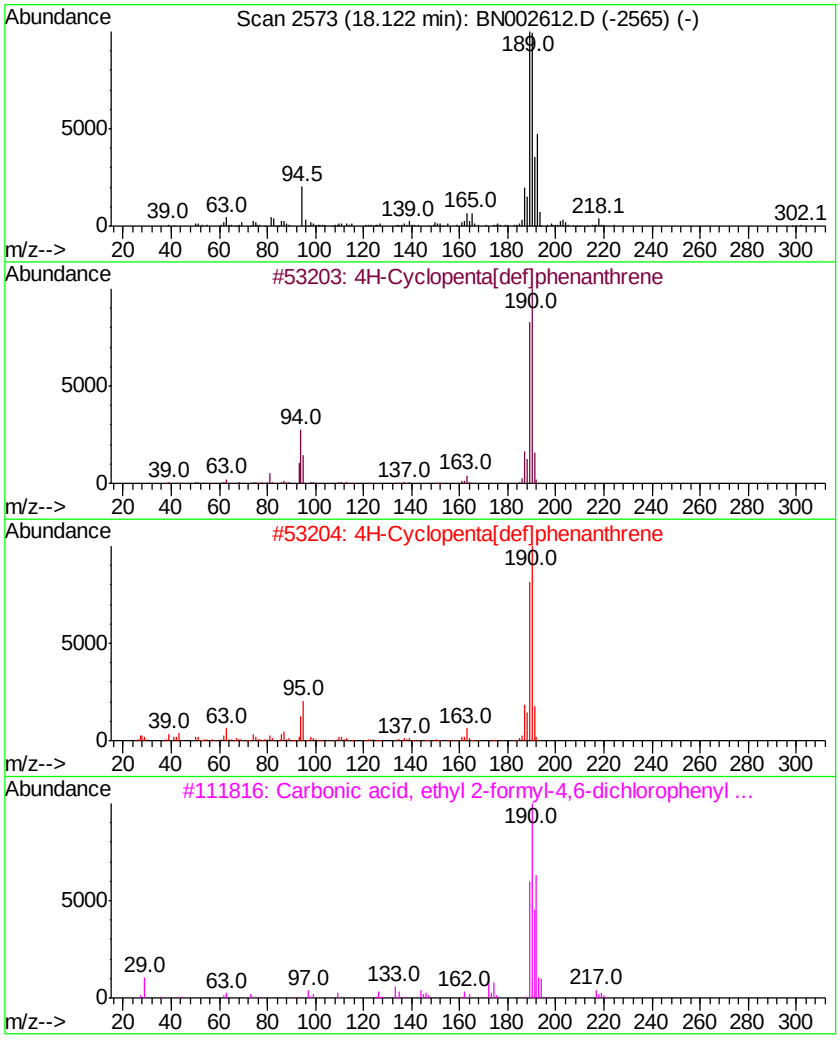
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

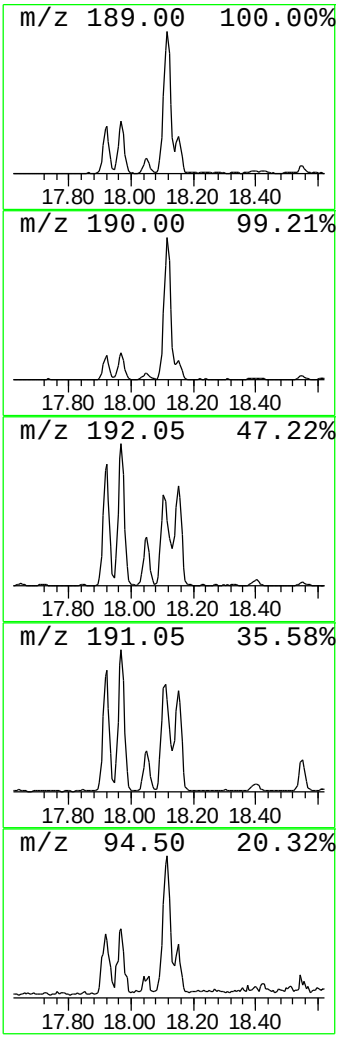
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	6.08 ng/ul	974459	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002612.D
Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

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Quant Title : SVOA CALIBRATION

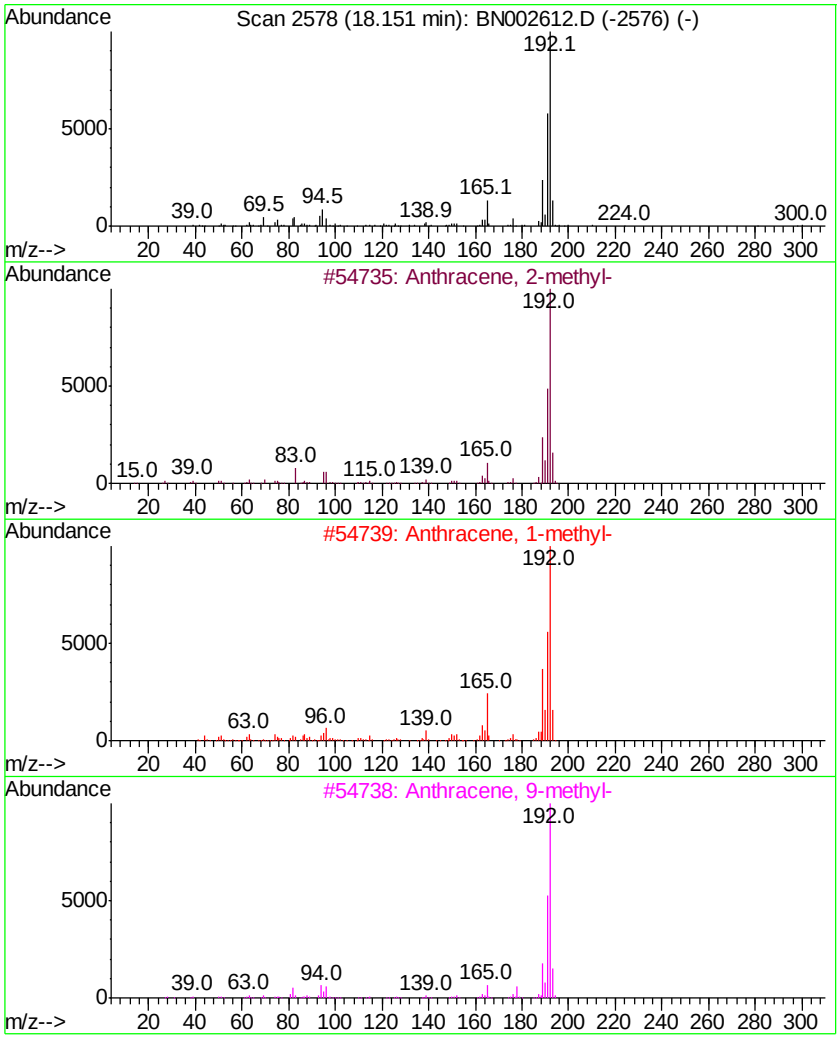
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

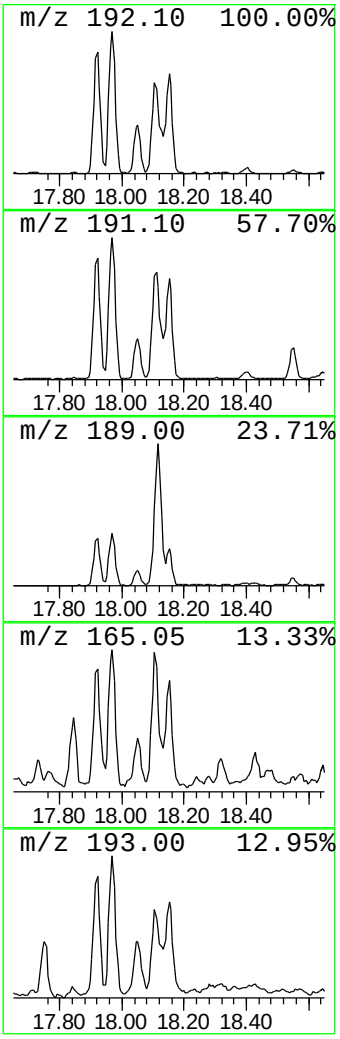
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.12 ng/ul	339528	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74





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Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

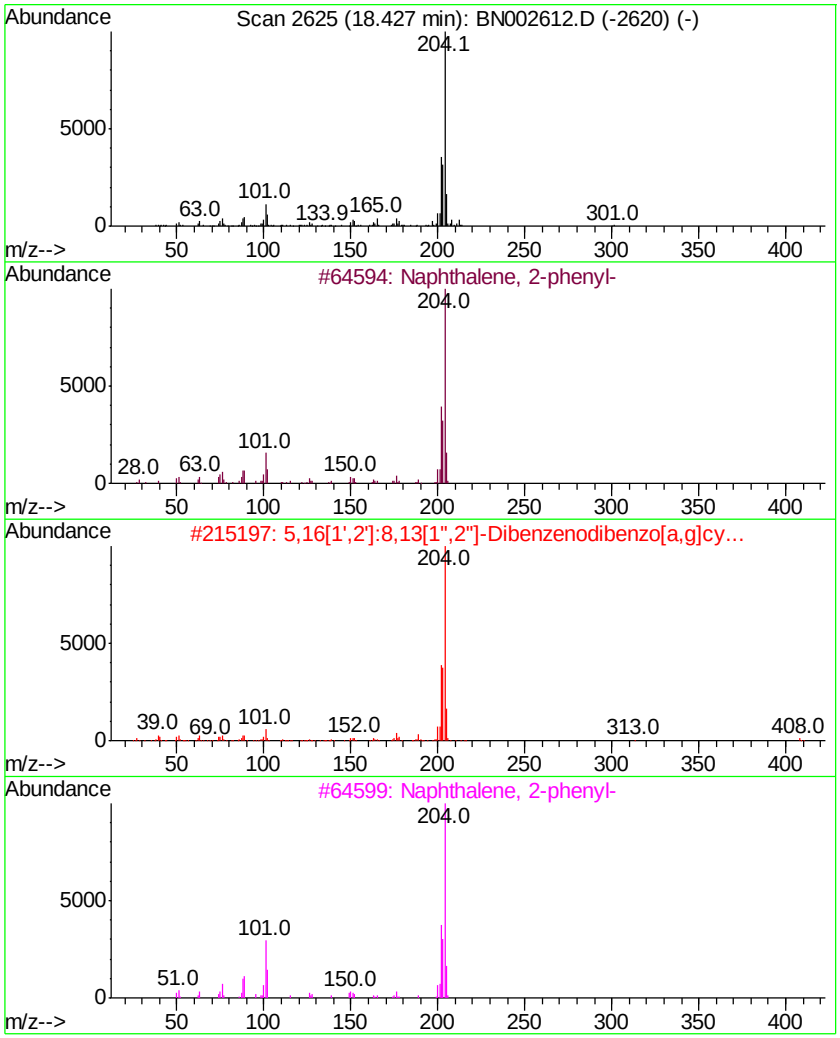
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

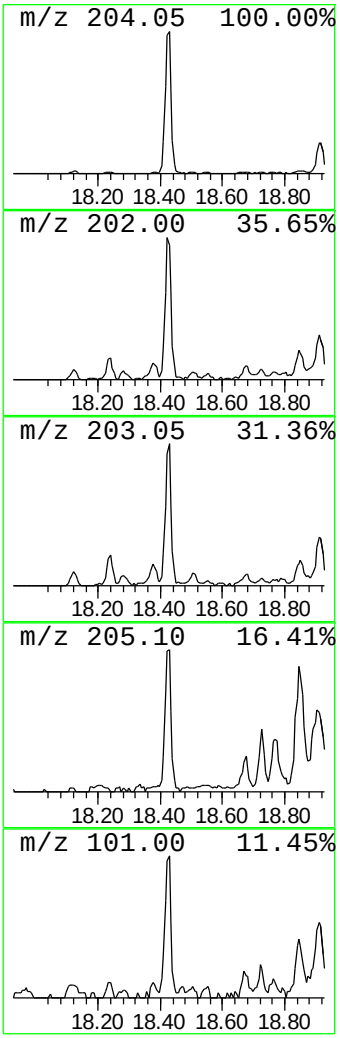
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.35 ng/ul	376436	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	90
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89





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Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

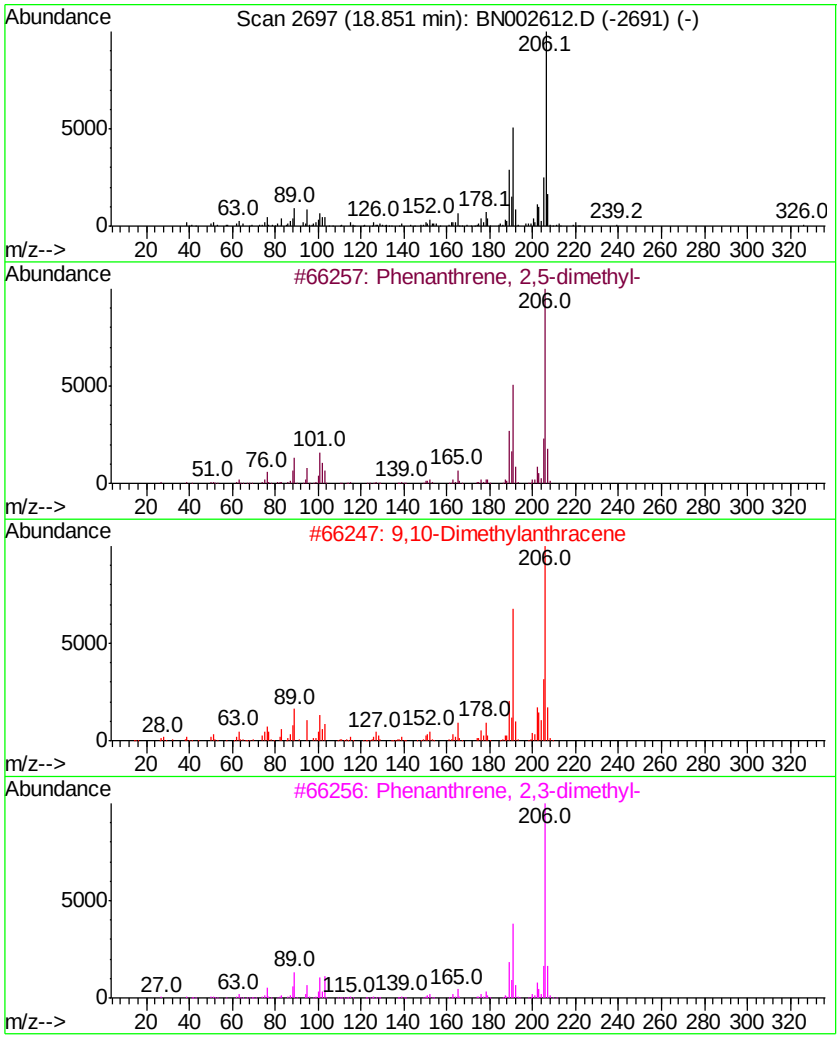
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

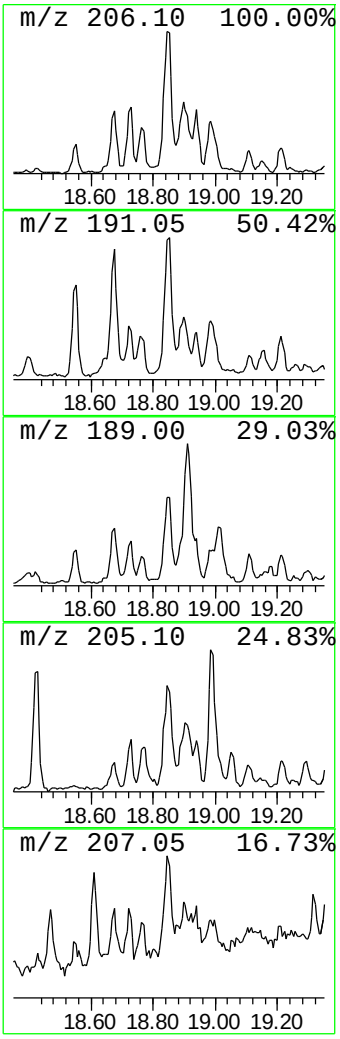
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.12 ng/ul	340282	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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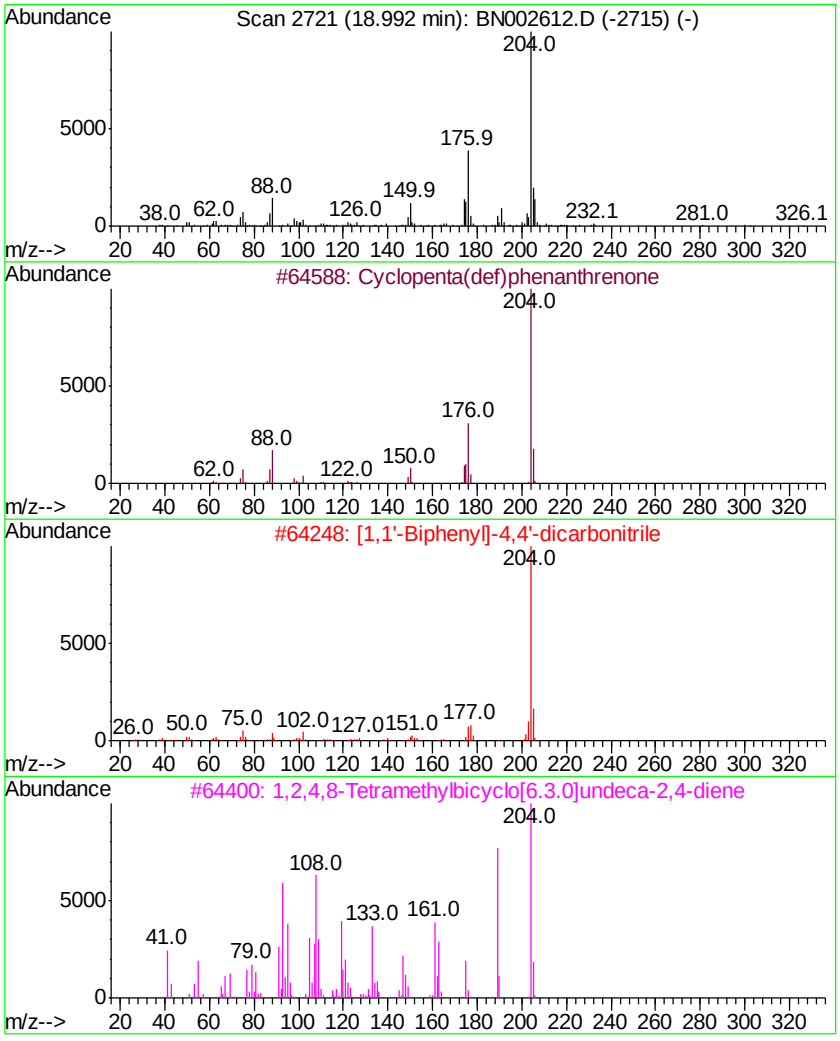
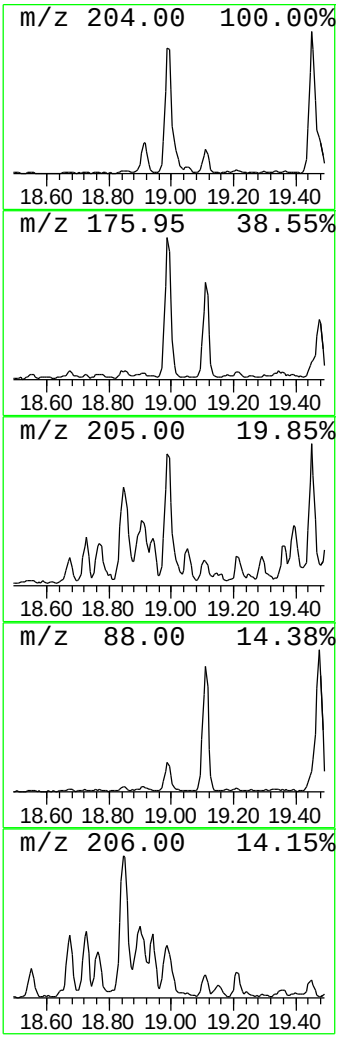
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	3.34 ng/ul	535162	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





Library Search Compound Report

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Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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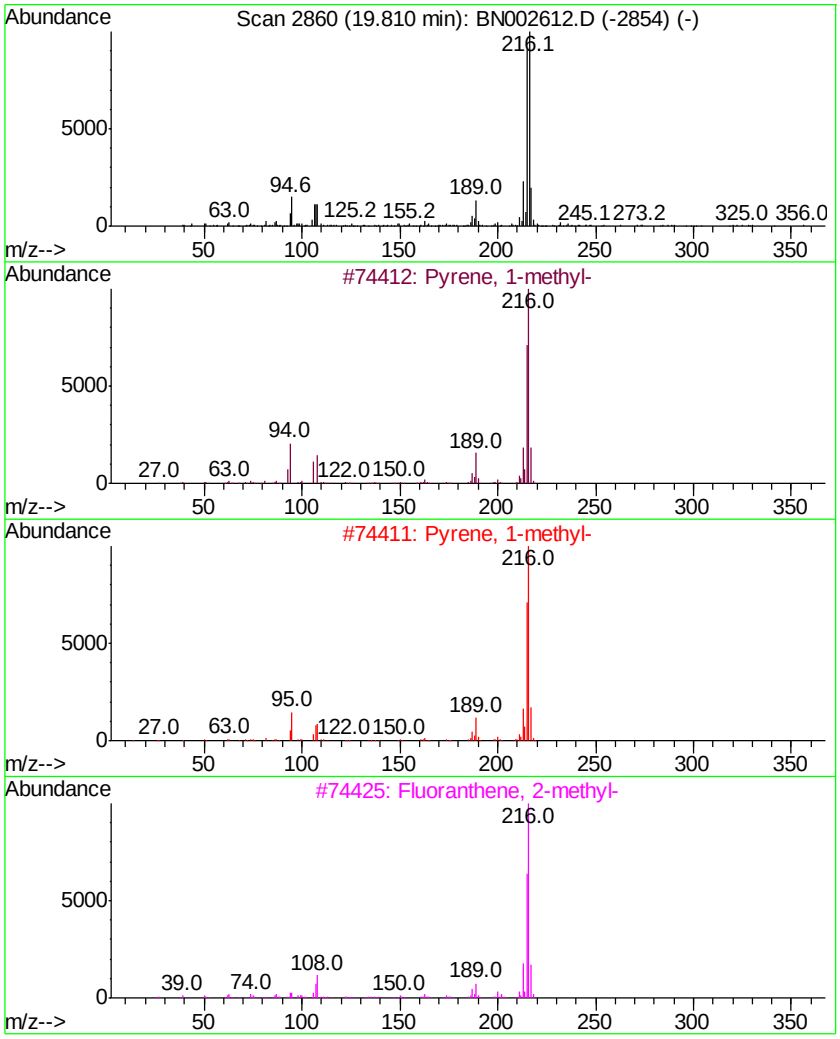
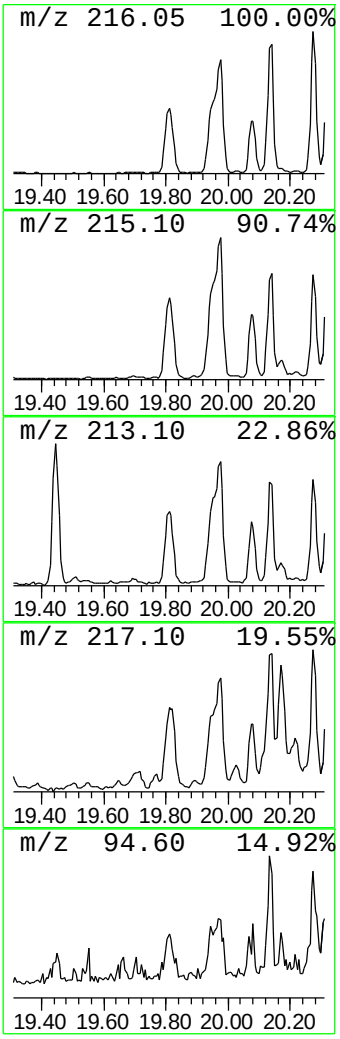
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.88 ng/ul	703510	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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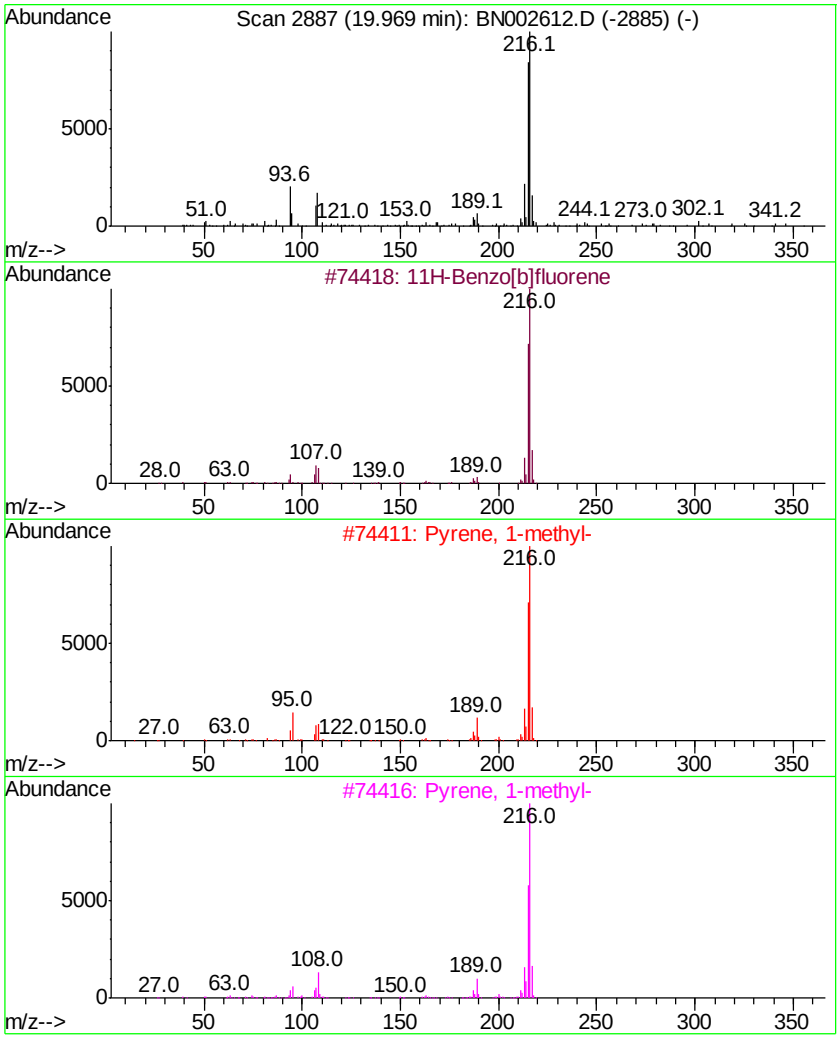
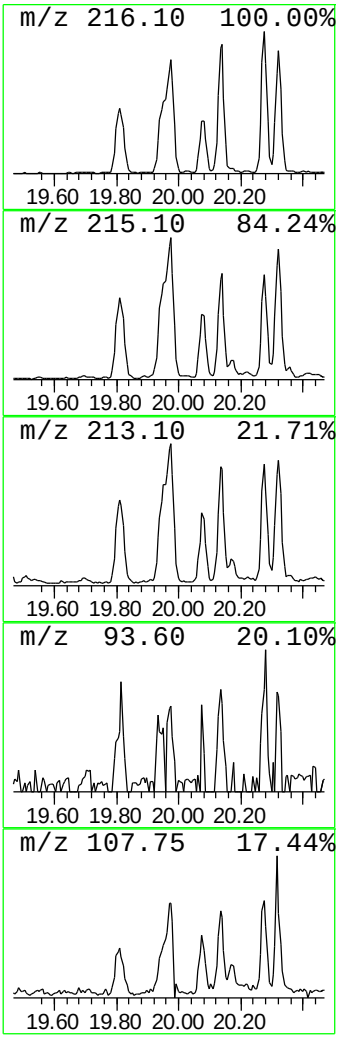
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.17 ng/ul	529830	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





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Acq On : 06 Sep 2018 13:41
Operator : JU/SJ
Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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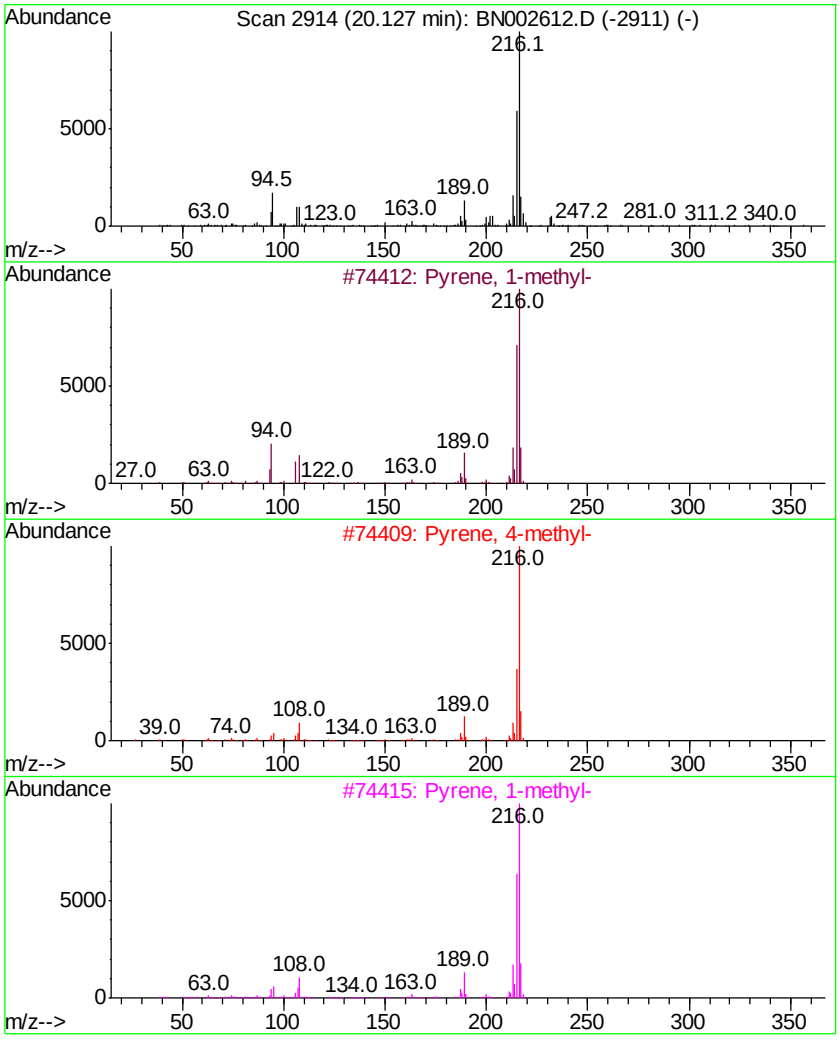
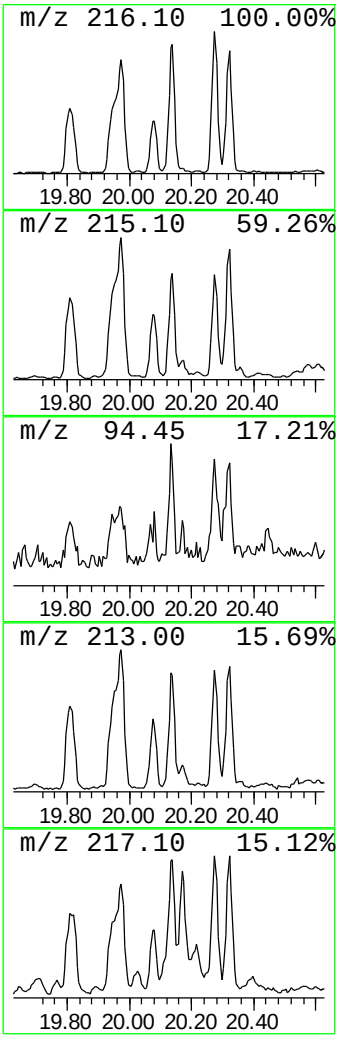
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	2.42 ng/ul	589705	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95





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Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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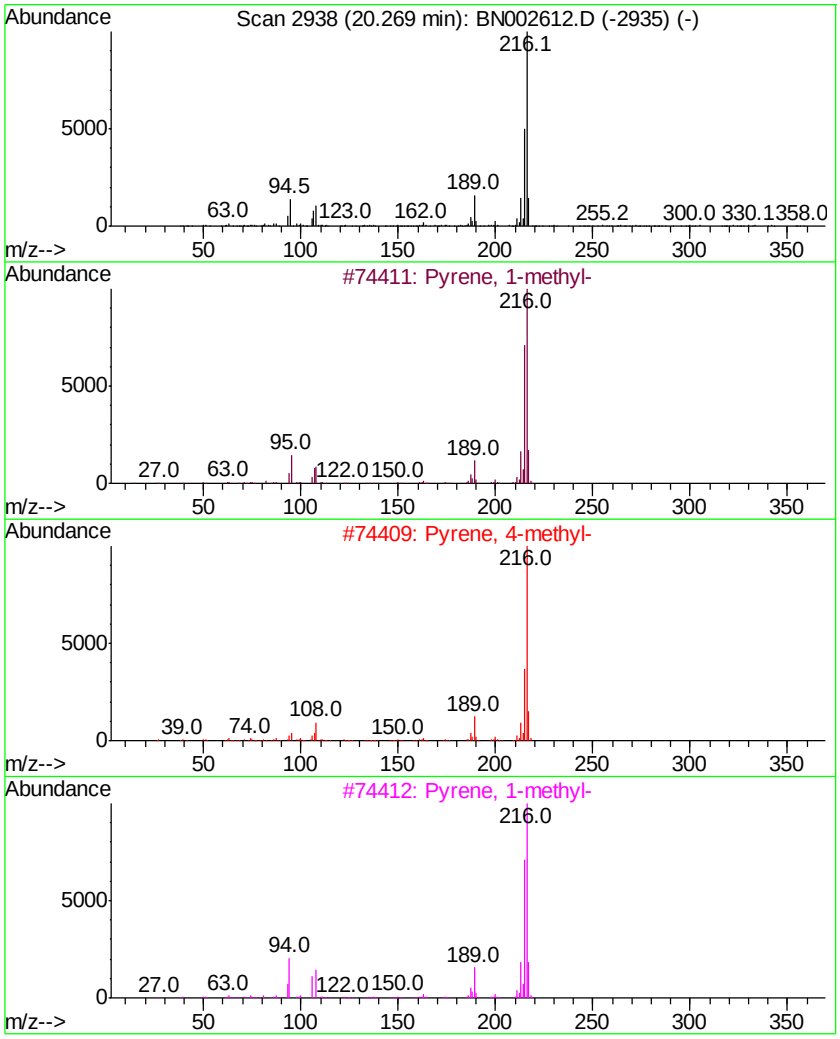
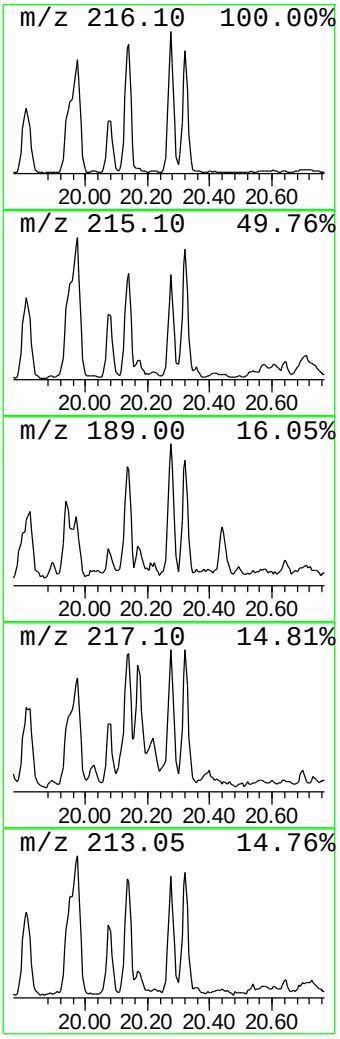
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.25 ng/ul	550043	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Sample : J4688-09DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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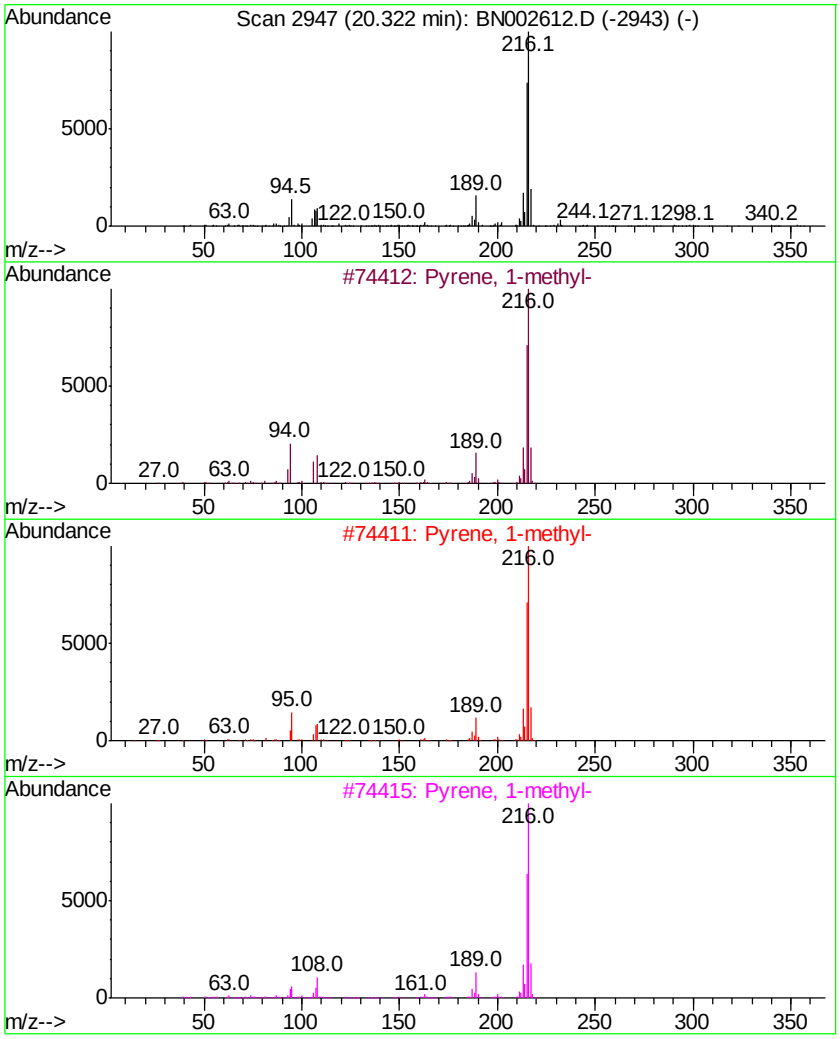
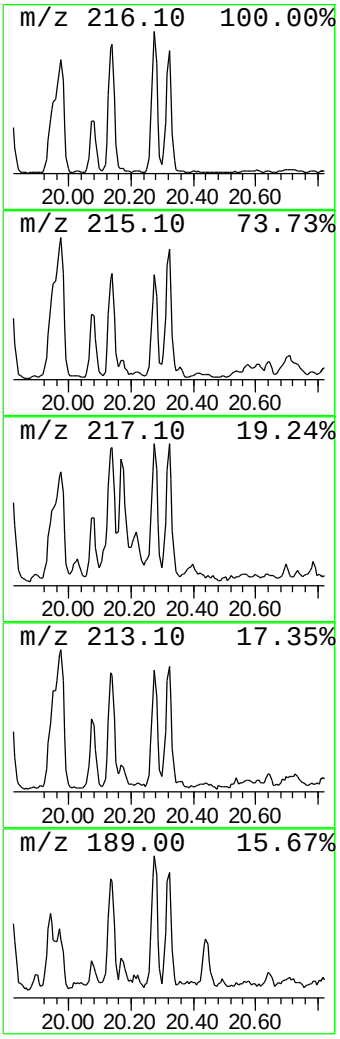
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.26 ng/ul	552362	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

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Quant Title : SVOA CALIBRATION

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

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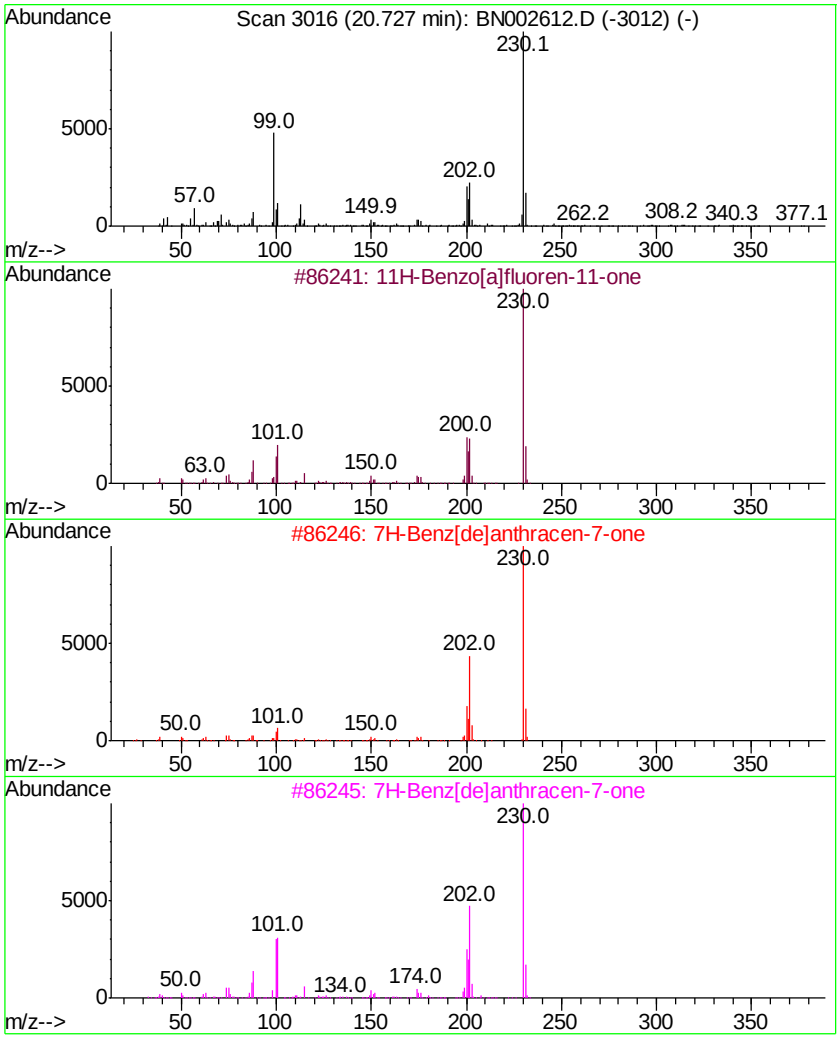
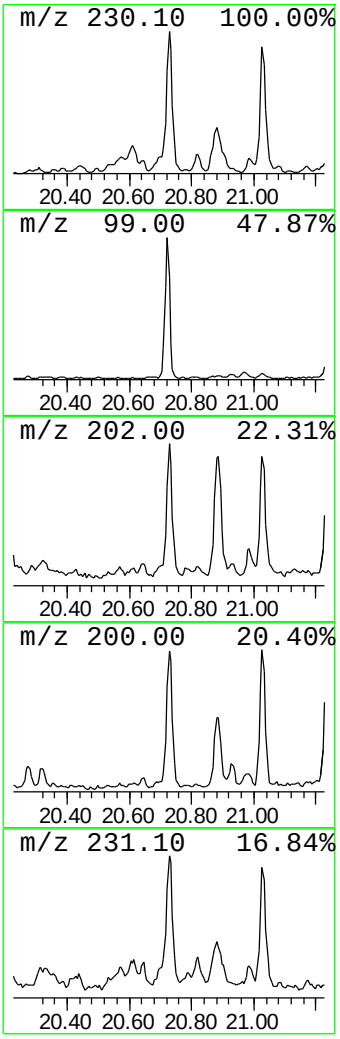
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.99 ng/ul	730409	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	53
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49





Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.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
2-Propanol, 1-chl...	16.81	15.3	ng/ul	2453150	4	17.05	3205160	20.0
Bis(1-chloro-2-pr...	16.92	9.8	ng/ul	1574770	4	17.05	3205160	20.0
Phenanthrene, 2-m...	17.92	3.4	ng/ul	539435	4	17.05	3205160	20.0
Anthracene, 2-met...	17.97	4.1	ng/ul	658653	4	17.05	3205160	20.0
4H-Cyclopenta[def...	18.12	6.1	ng/ul	974459	4	17.05	3205160	20.0
Anthracene, 1-met...	18.15	2.1	ng/ul	339528	4	17.05	3205160	20.0
Naphthalene, 2-ph...	18.43	2.4	ng/ul	376436	4	17.05	3205160	20.0
Phenanthrene, 2,5...	18.85	2.1	ng/ul	340282	4	17.05	3205160	20.0
Cyclopenta(def)ph...	18.99	3.3	ng/ul	535162	4	17.05	3205160	20.0
Pyrene, 1-methyl-	19.81	2.9	ng/ul	703510	5	21.25	4878530	20.0
11H-Benzo[b]fluorene	19.97	2.2	ng/ul	529830	5	21.25	4878530	20.0
Pyrene, 4-methyl-	20.13	2.4	ng/ul	589705	5	21.25	4878530	20.0
Fluoranthene, 2-m...	20.27	2.3	ng/ul	550043	5	21.25	4878530	20.0
Pyrene, 2-methyl-	20.32	2.3	ng/ul	552362	5	21.25	4878530	20.0
11H-Benzo[a]fluor...	20.73	3.0	ng/ul	730409	5	21.25	4878530	20.0