LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

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_N\METHODS\SOM-EPA-BN060319MA.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	3.254	12	17	25	rVB	68000	99261	0.86%	0.065%
2	3.754	98	102	111	rVB	105139	140660	1.21%	0.092%
3	3.871	117	122	128	rVB	99964	144204	1.24%	0.095%
4	3.971	135	139	145	rVB	59604	80149	0.69%	0.053%
5	4.507	227	230	236	rVB	39482	55667	0.48%	0.037%
6	4.854	283	289	299	rBV	69931	115966	1.00%	0.076%
7	6.901	628	637	654	rBV	1154008	1989513	17.14%	1.306%
8	7.059	657	664	682	rVB	937430	1467262	12.64%	0.963%
9	7.259	691	698	708	rBV	1262575	1945867	16.76%	1.278%
10	7.724	769	777	785	rBV	1590133	2536513	21.85%	1.665%
11	8.430	890	897	906	rBV	1386509	2227936	19.19%	1.463%
12	8.883	966	974	983	rBV	1074230	1794561	15.46%	1.178%
13	9.301	1039	1045	1050	rBV	39380	60111	0.52%	0.039%
14	9.601	1087	1096	1113	rBV	846603	1458388	12.56%	0.957%
15	10.142	1180	1188	1199	rBV	1342861	2354009	20.28%	1.545%
16	10.518	1243	1252	1257	rBV	2030796	3555679	30.63%	2.334%
17	10.565	1257	1260	1266	rVV	265101	408810	3.52%	0.268%
18	10.653	1269	1275	1297	rVB	332097	769783	6.63%	0.505%
19	12.012	1500	1506	1513	rBV5	19626	46412	0.40%	0.030%
20	12.183	1530	1535	1542	rBV	94913	161791	1.39%	0.106%
21	12.406	1567	1573	1579	rBV	68750	108497	0.93%	0.071%
22	13.206	1702	1709	1717	rBV2	52205	95927	0.83%	0.063%
23	13.406	1739	1743	1752	rVB	40324	75483	0.65%	0.050%
24	13.553	1761	1768	1774	rBV5	31682	80155	0.69%	0.053%
25	13.618	1774	1779	1787	rBV6	23108	41996	0.36%	0.028%
26	13.700	1787	1793	1797	rBV2	57518	103900	0.90%	0.068%
27	13.753	1797	1802	1803	rVV	41735	50924	0.44%	0.033%
28	13.789	1803	1808	1812	rVV	2392943	3147837	27.12%	2.067%
29	13.836	1812	1816	1826	rVV	905519	1214667	10.46%	0.797%
30	14.071	1844	1856	1878	rBV	2626672	4314190	37.17%	2.832%
31	14.383	1899	1909	1915	rBV2	2780400	4194160	36.13%	2.754%
32	14.447	1915	1920	1928	rVB	977286	1473410	12.69%	0.967%
33	14.518	1928	1932	1938	rVB2	48815	80133	0.69%	0.053%
34	14.594	1938	1945	1949	rBV	648952	1087625	9.37%	0.714%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

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_N\METHODS\SOM-EPA-BN060319MA.M
Title : SVOA CALIBRATION

35	14.636	1949	1952	1959	rVB	414974	611420	5.27%	0.401%
36	14.741	1966	1970	1972	rBV	90545	124488	1.07%	0.082%
37	14.783	1972	1977	1985	rVV	441311	720340	6.21%	0.473%
38	14.859	1987	1990	1995	rVB	33577	43942	0.38%	0.029%
39	15.000	2007	2014	2019	rBV6	31178	78467	0.68%	0.052%
40	15.053	2019	2023	2029	rVB3	39763	61021	0.53%	0.040%
41	15.183	2037	2045	2048	rBV5	36792	89233	0.77%	0.059%
42	15.236	2052	2054	2063	rVB2	32432	62523	0.54%	0.041%
43	15.377	2070	2078	2083	rBV	2969638	4388040	37.80%	2.881%
44	15.436	2083	2088	2096	rVV	867240	1309416	11.28%	0.860%
45	15.512	2096	2101	2106	rVV2	222630	376690	3.25%	0.247%
46	15.559	2106	2109	2112	rVV2	90276	129896	1.12%	0.085%
47	15.594	2112	2115	2121	rVV2	121254	236050	2.03%	0.155%
48	15.641	2121	2123	2127	rVV4	53567	85969	0.74%	0.056%
49	15.683	2127	2130	2134	rVV2	83424	118682	1.02%	0.078%
50	15.730	2134	2138	2145	rVB	158000	229941	1.98%	0.151%
51	15.877	2158	2163	2170	rVB	155857	312404	2.69%	0.205%
52	16.112	2198	2203	2210	rBV2	135521	220572	1.90%	0.145%
53	16.441	2248	2259	2264	rBV3	144503	350894	3.02%	0.230%
54	16.488	2264	2267	2272	rVB3	55831	81241	0.70%	0.053%
55	16.588	2281	2284	2289	rVB	56604	78470	0.68%	0.052%
56	16.671	2295	2298	2301	rVV	50741	57265	0.49%	0.038%
57	16.712	2301	2305	2308	rVV2	60955	79657	0.69%	0.052%
58	16.788	2314	2318	2326	rVB	217220	338331	2.91%	0.222%
59	16.865	2327	2331	2332	rBV	77372	89022	0.77%	0.058%
60	16.953	2341	2346	2354	rVB	411225	592178	5.10%	0.389%
61	17.135	2371	2377	2380	rBV	2660821	3895438	33.56%	2.557%
62	17.182	2380	2385	2389	rVV	7358584	10536292	90.77%	6.917%
63	17.235	2389	2394	2397	rVV	2929883	4267866	36.77%	2.802%
64	17.271	2397	2400	2405	rVV	2147807	2787486	24.02%	1.830%
65	17.330	2405	2410	2417	rVB	188139	322625	2.78%	0.212%
66	17.541	2437	2446	2456	rBV2	966386	1730481	14.91%	1.136%
67	17.659	2463	2466	2471	rVB2	113376	150969	1.30%	0.099%
68	17.718	2472	2476	2485	rVB6	100958	203203	1.75%	0.133%
69	18.012	2522	2526	2529	rBV	587335	895267	7.71%	0.588%
70	18.059	2531	2534	2540	rVV	921289	1307515	11.26%	0.858%
71	18.141	2544	2548	2553	rVB	338451	445305	3.84%	0.292%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

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_N\METHODS\SOM-EPA-BN060319MA.M
Title : SVOA CALIBRATION

72	18.212	2554	2560	2564	rBV2	1182305	2054399	17.70%	1.349%
73	18.247	2564	2566	2572	rVB	400481	466298	4.02%	0.306%
74	18.365	2583	2586	2590	rBV2	107902	155132	1.34%	0.102%
75	18.518	2608	2612	2616	rBV	488626	668089	5.76%	0.439%
76	18.559	2616	2619	2625	rVB	521920	711333	6.13%	0.467%
77	18.853	2667	2669	2673	rVB2	112974	120435	1.04%	0.079%
78	18.941	2680	2684	2690	rBV2	207188	403334	3.47%	0.265%
79	19.082	2704	2708	2715	rVB2	261462	431884	3.72%	0.284%
80	19.206	2723	2729	2735	rBV	8559044	11607227	100.00%	7.620%
81	19.300	2743	2745	2750	rBV	165136	226554	1.95%	0.149%
82	19.541	2781	2786	2788	rBV3	4202963	5993221	51.63%	3.935%
83	19.571	2788	2791	2799	rVV	6710143	9454859	81.46%	6.207%
84	19.641	2800	2803	2807	rVB2	304409	421031	3.63%	0.276%
85	19.747	2818	2821	2826	rBV	429814	630798	5.43%	0.414%
86	19.812	2829	2832	2836	rVB	382072	544964	4.70%	0.358%
87	19.894	2841	2846	2847	rBV	406756	628938	5.42%	0.413%
88	20.065	2872	2875	2882	rVB	1276748	1827474	15.74%	1.200%
89	20.171	2889	2893	2897	rBV	1053692	1320104	11.37%	0.867%
90	20.371	2924	2927	2931	rBV2	327487	408898	3.52%	0.268%
91	21.029	3036	3039	3041	rBV	486954	496356	4.28%	0.326%
92	21.059	3041	3044	3051	rVB3	1072492	1800056	15.51%	1.182%
93	21.335	3086	3091	3096	rBV3	4928638	9926538	85.52%	6.517%
94	21.382	3096	3099	3108	rVB	3659223	5080362	43.77%	3.335%
95	21.500	3116	3119	3124	rBV	923588	1229608	10.59%	0.807%
96	22.947	3360	3365	3370	rBV	2861243	6631045	57.13%	4.353%
97	23.441	3444	3449	3453	rBV	1691949	3085492	26.58%	2.026%
98	23.494	3454	3458	3461	rVV2	2050031	3962725	34.14%	2.602%
99	23.535	3462	3465	3472	rVB	2964953	5034910	43.38%	3.306%
100	23.635	3479	3482	3487	rVB	1421220	2105305	18.14%	1.382%

Sum of corrected areas: 152317414

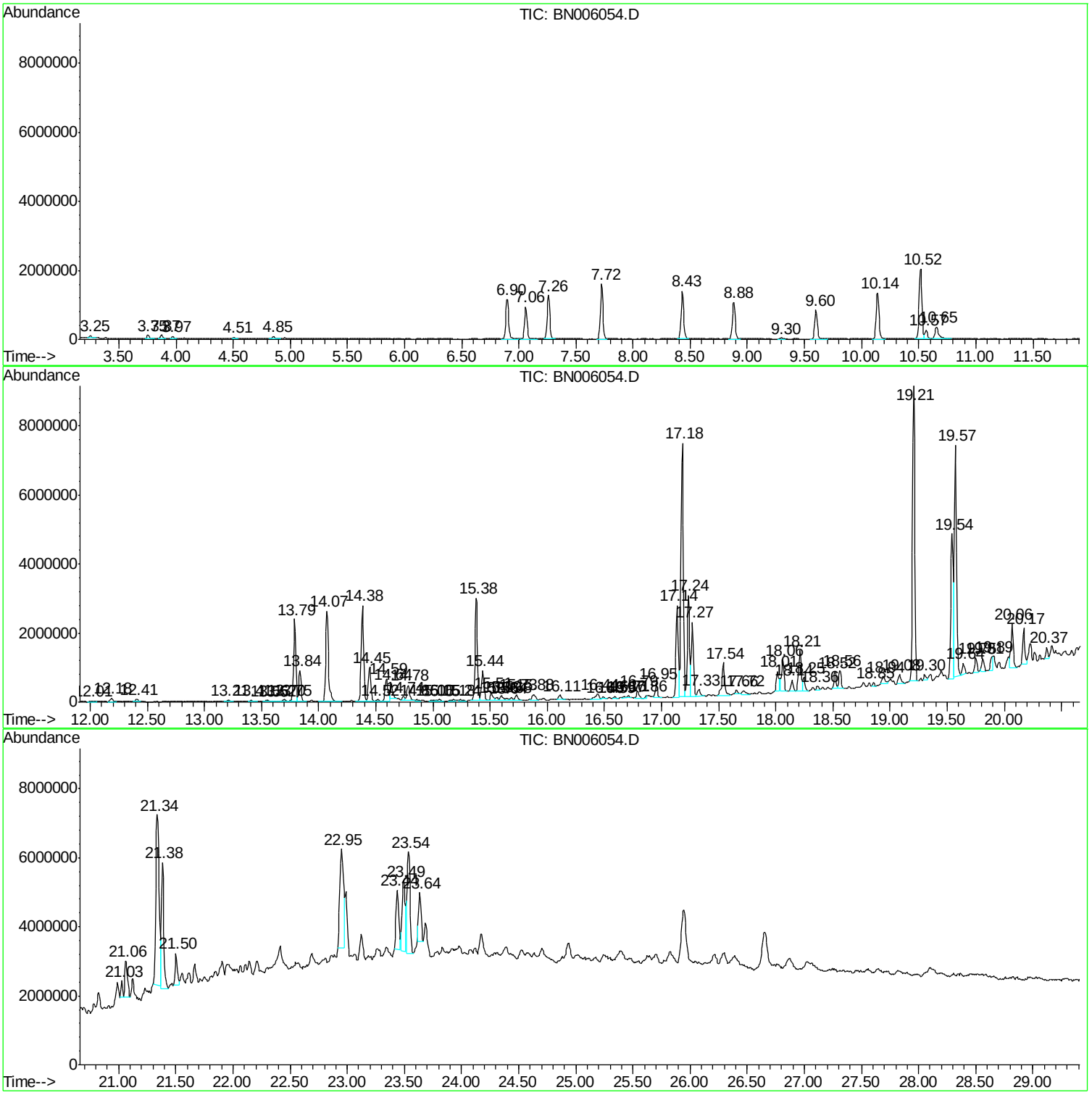
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

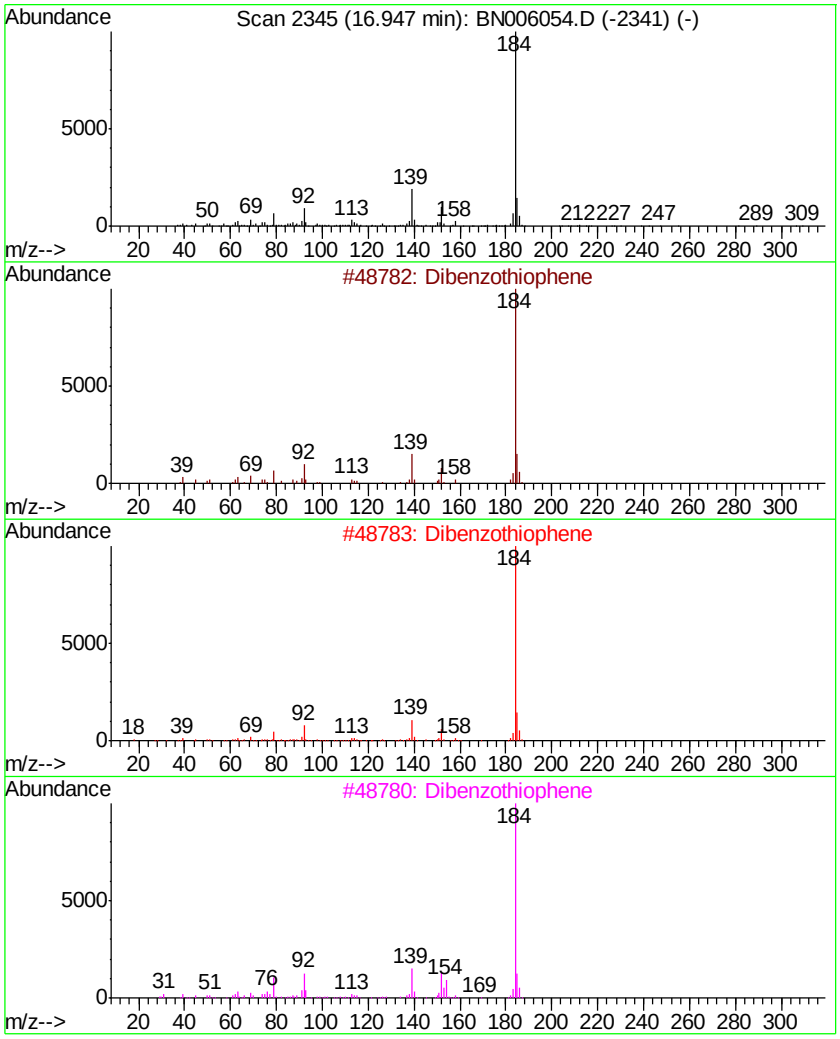
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

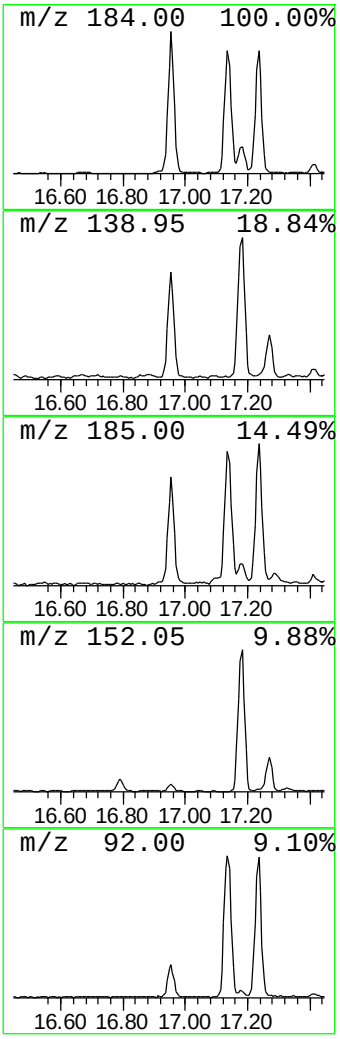
****

Peak Number 1 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	3.04 ng/ul	592178	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

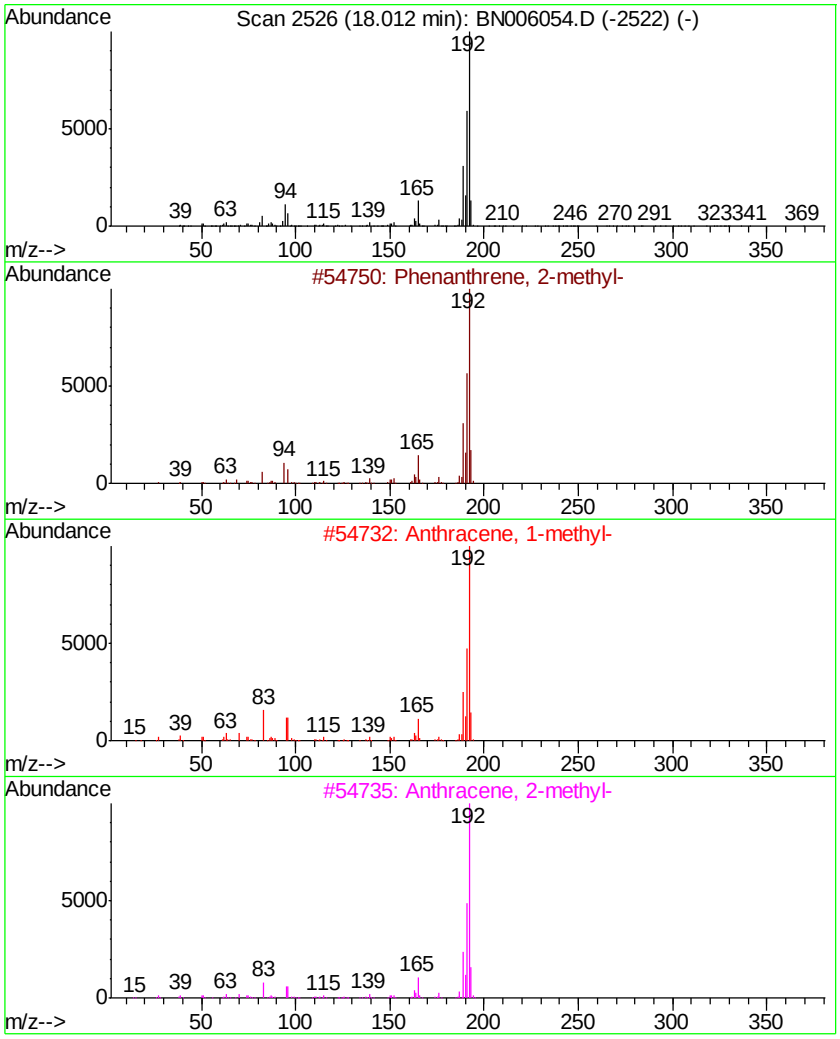
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

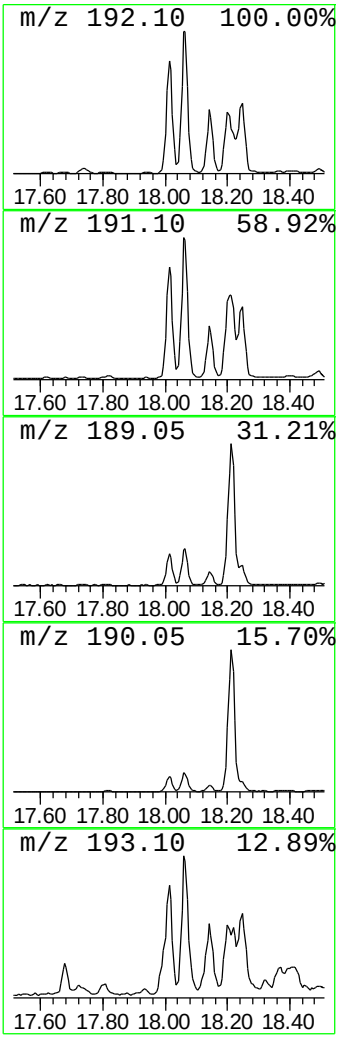
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	4.60 ng/ul	895267	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

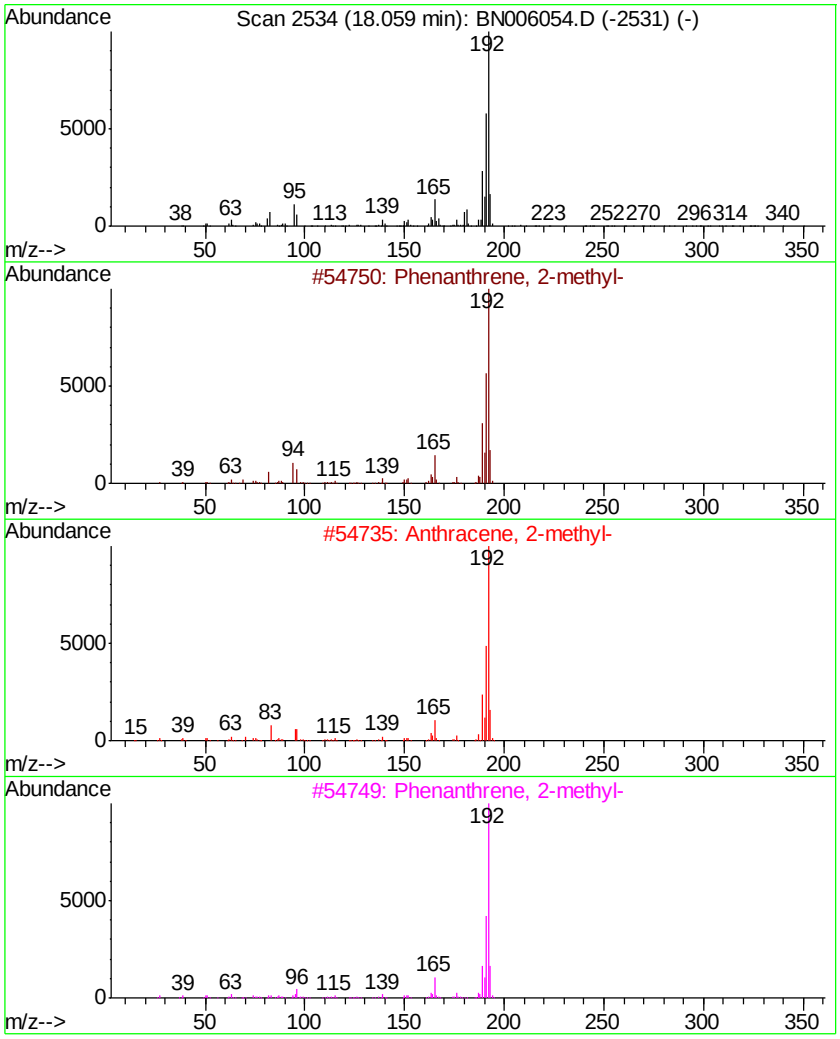
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

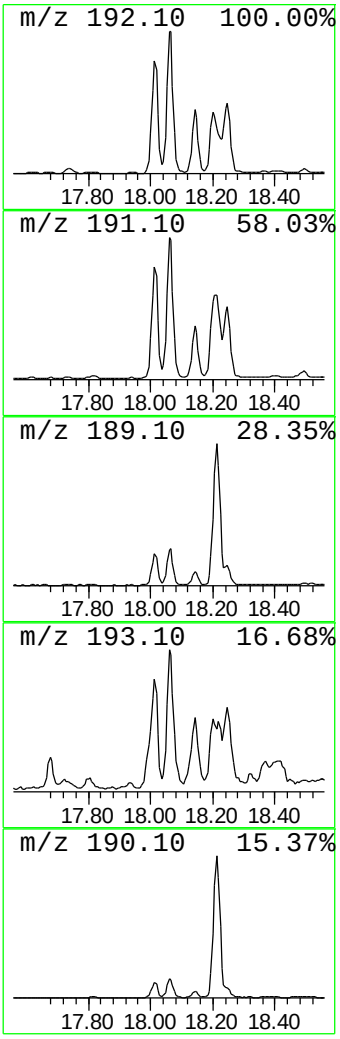
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	6.71 ng/ul	1307520	Phenanthrene-d10	17.14

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

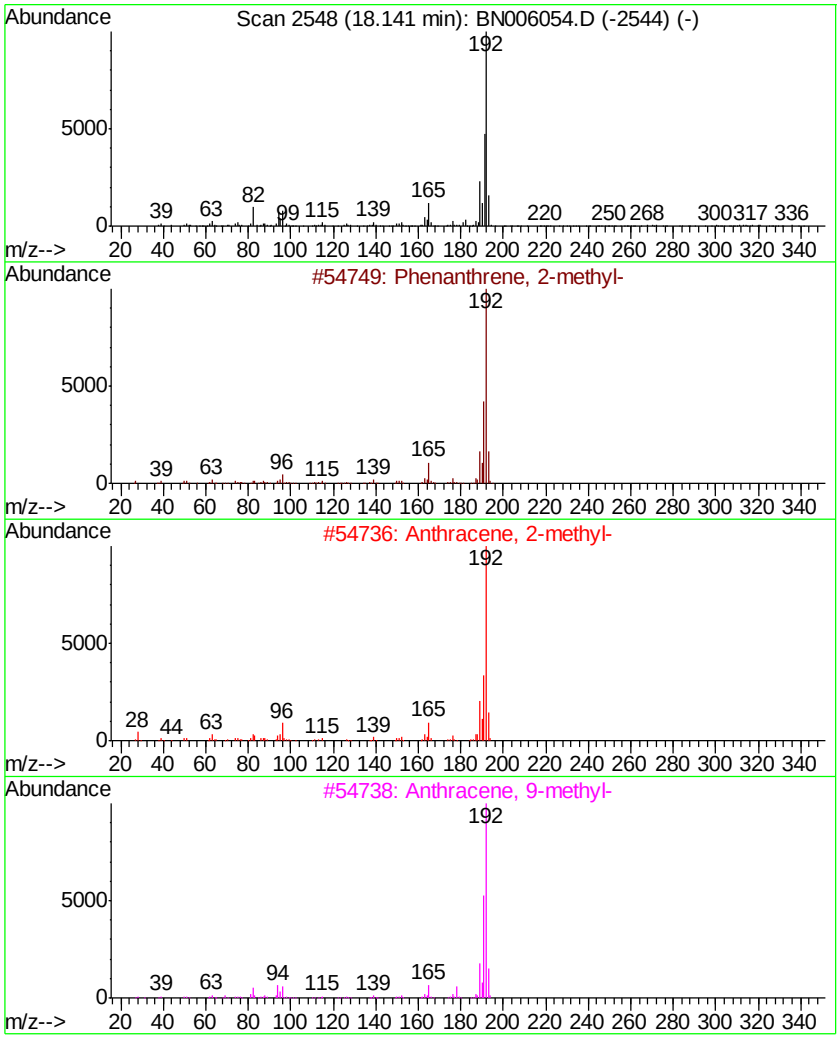
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

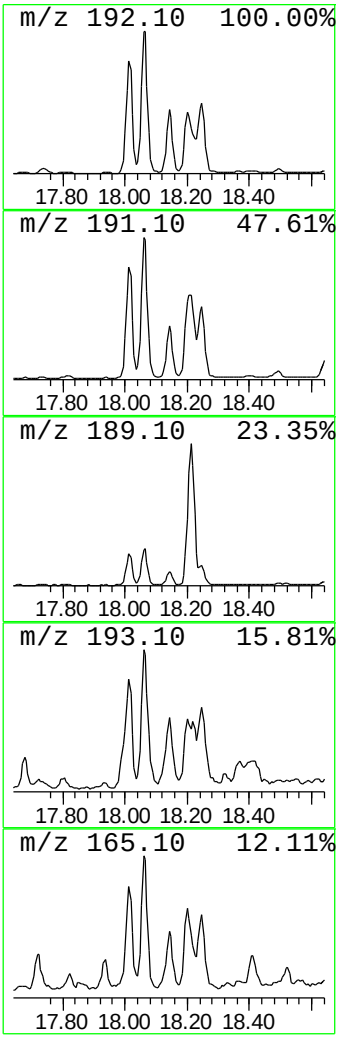
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.29 ng/ul	445305	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

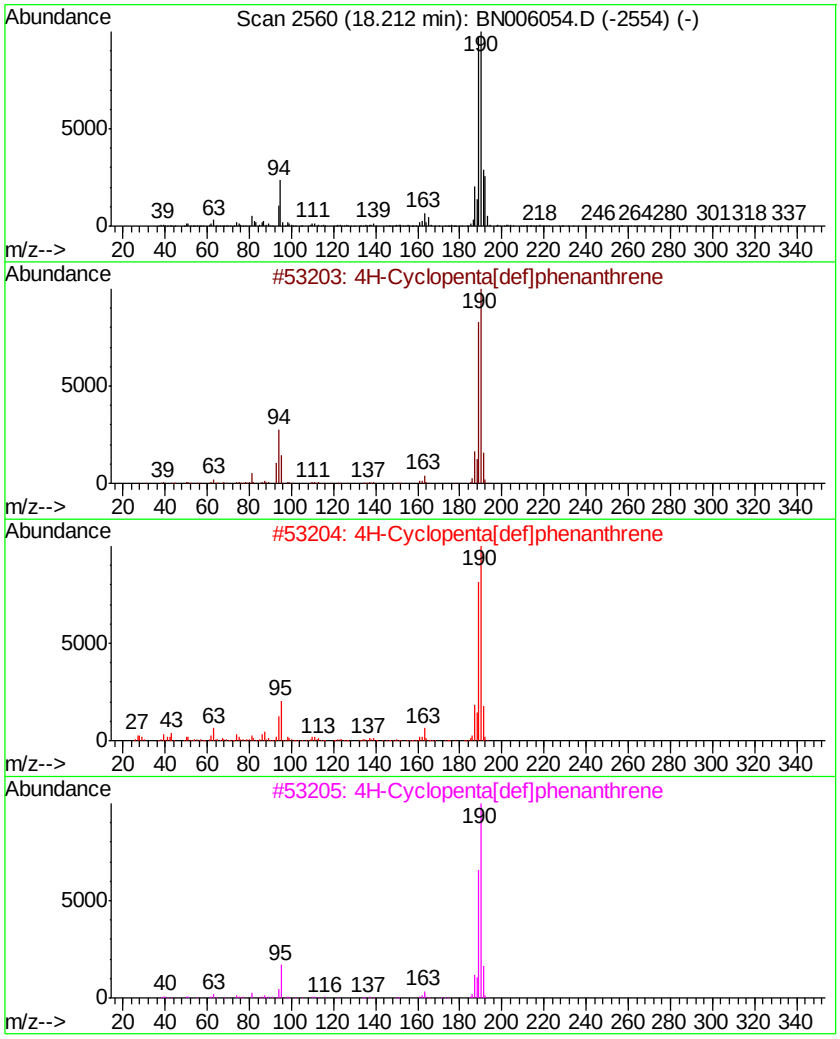
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

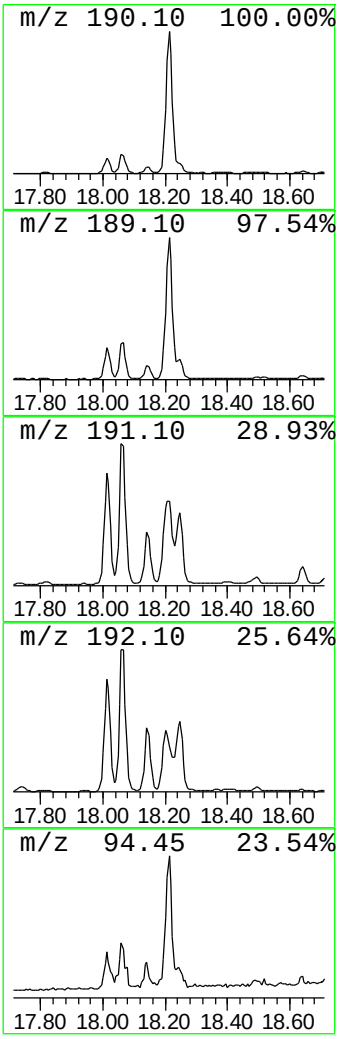
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	10.55 ng/ul	2054400	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

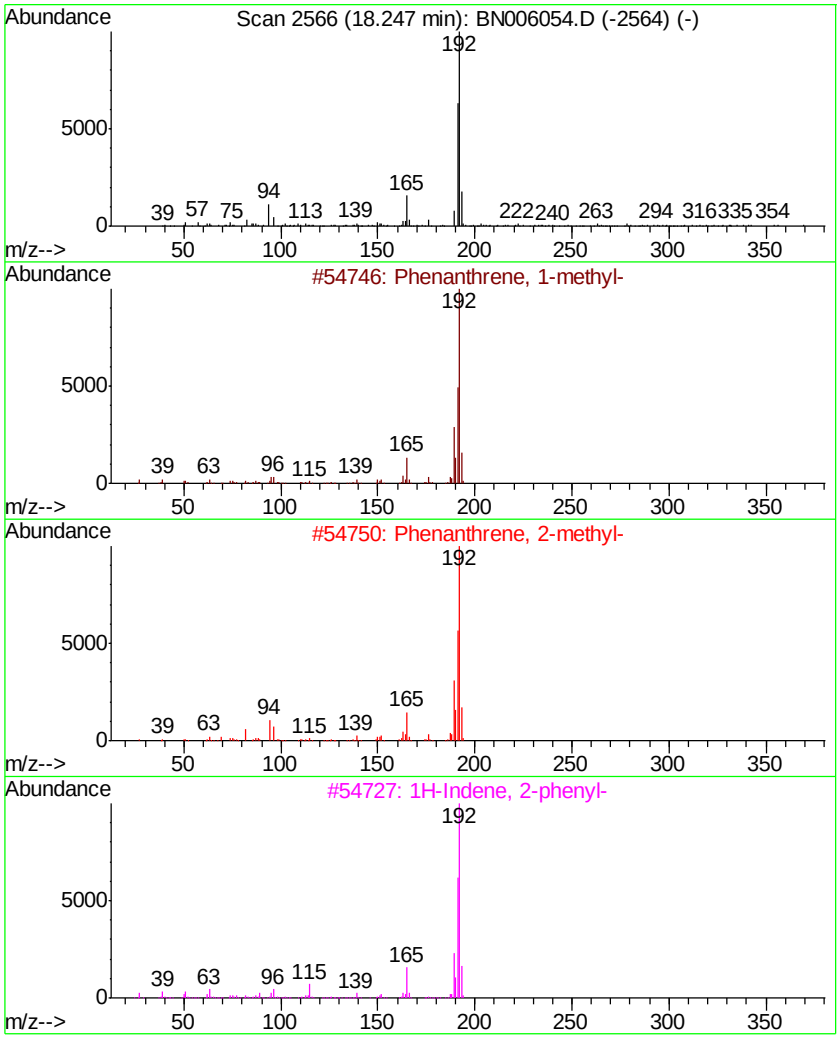
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

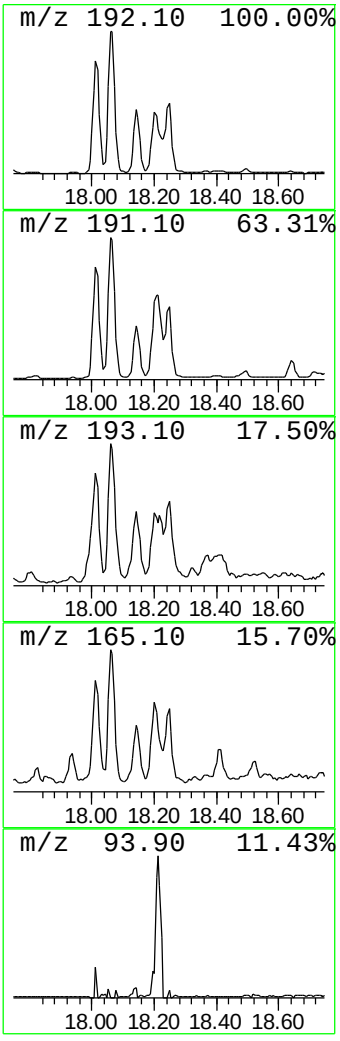
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	2.39 ng/ul	466298	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

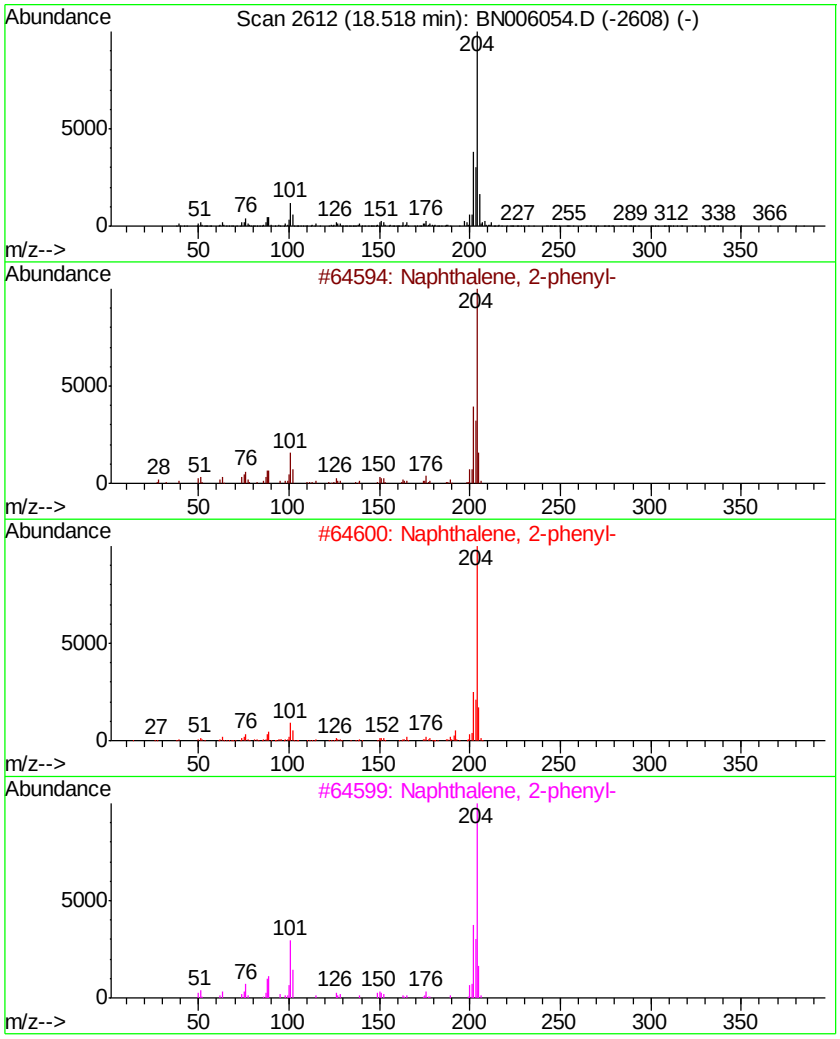
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

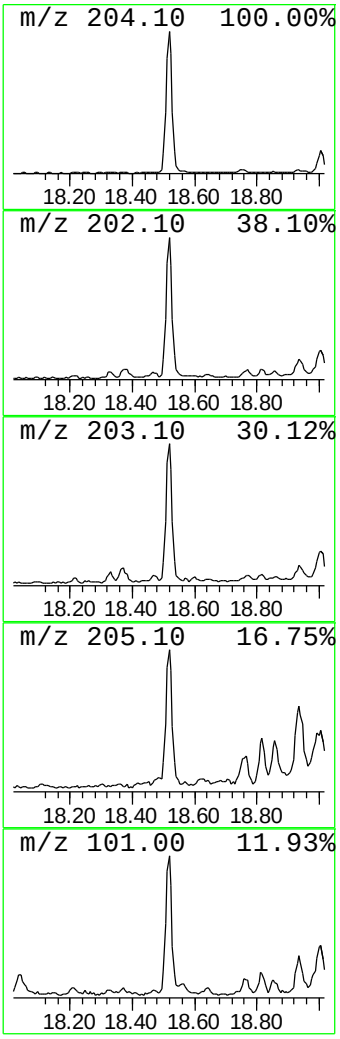
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	3.43 ng/ul	668089	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

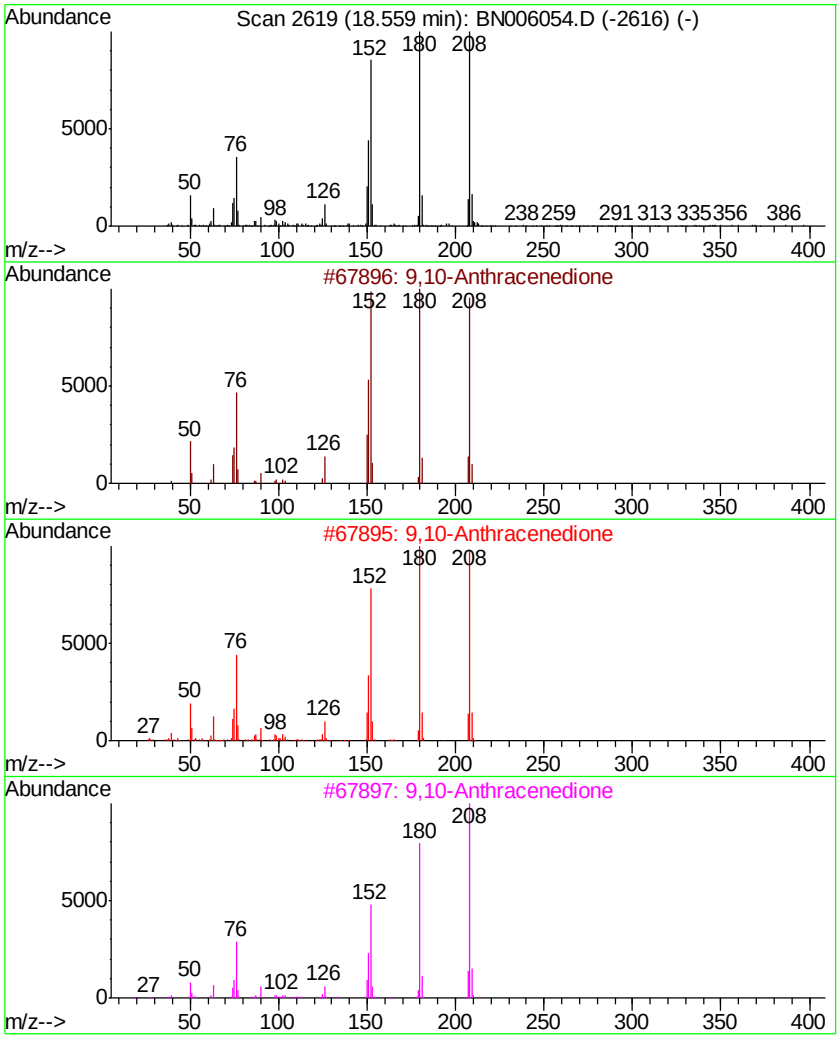
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

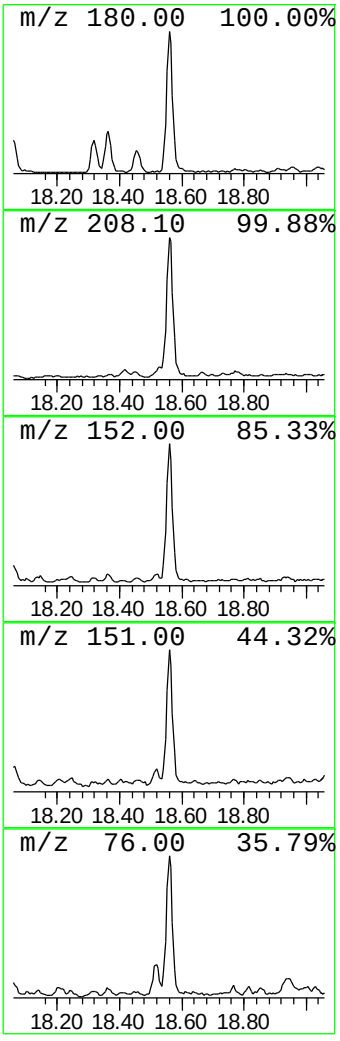
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.65 ng/ul	711333	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

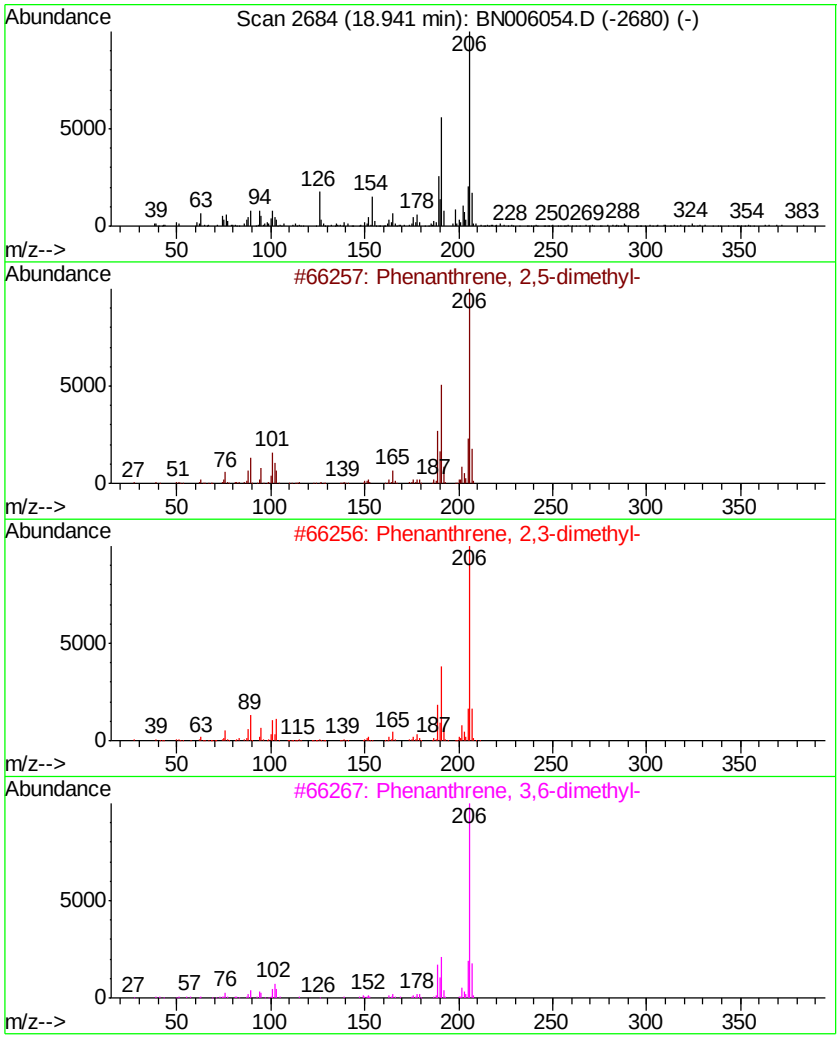
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

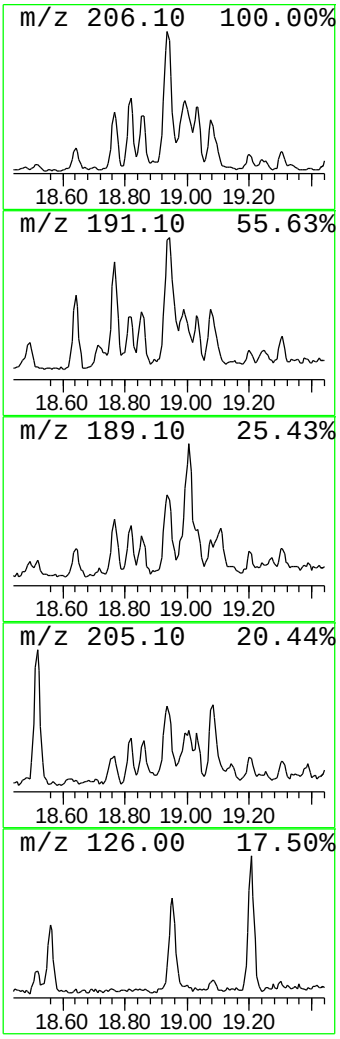
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.07 ng/ul	403334	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

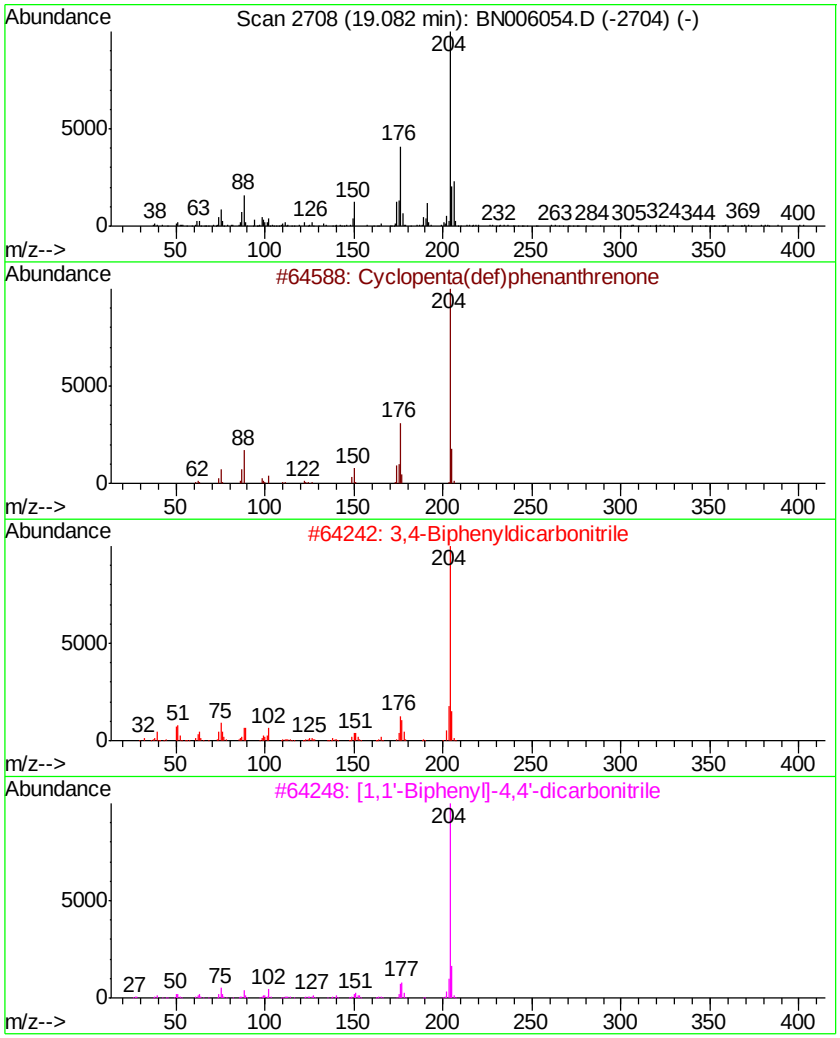
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

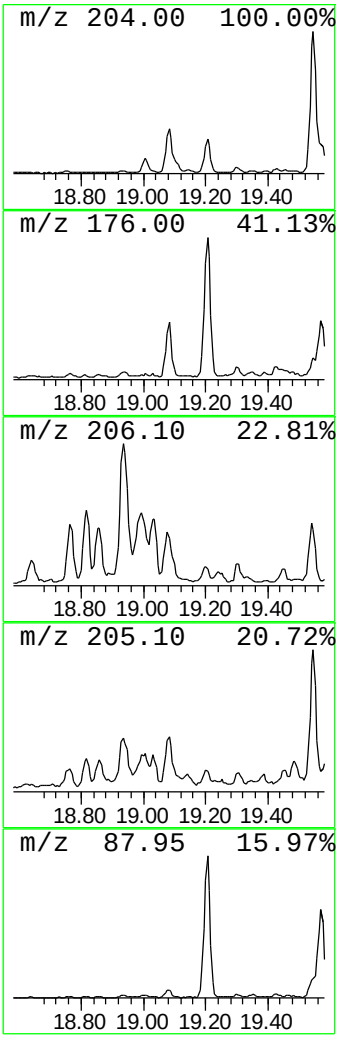
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	2.22 ng/ul	431884	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

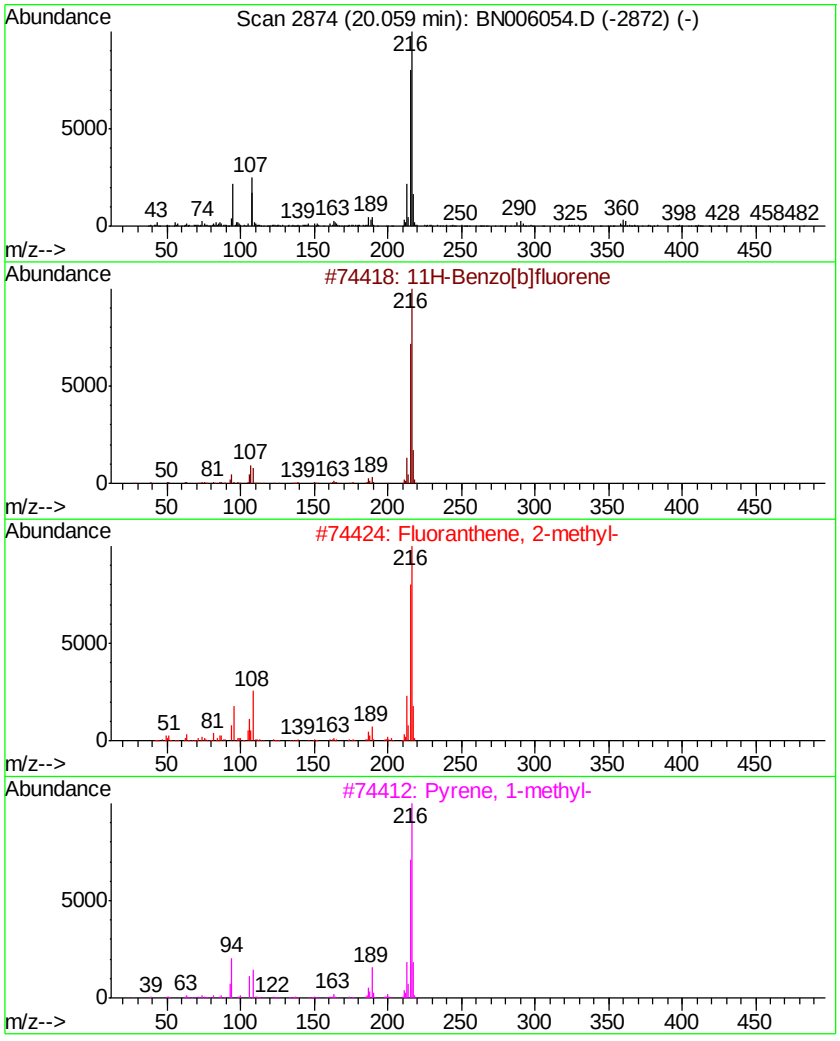
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

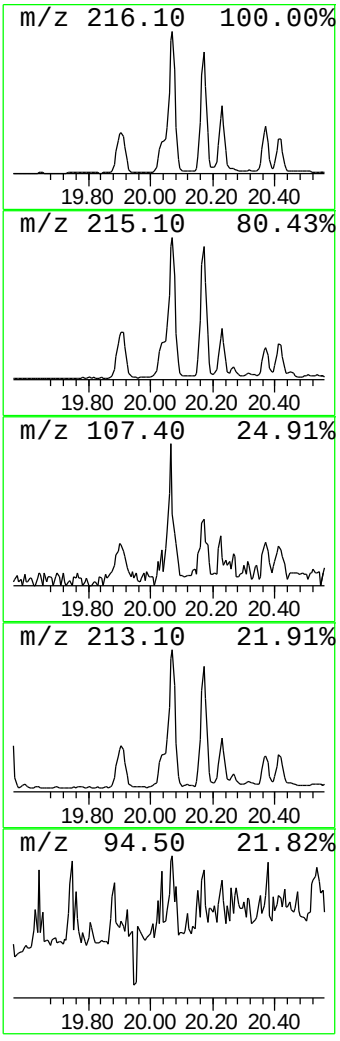
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.68 ng/ul	1827470	Chrysene-d12	21.35

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	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

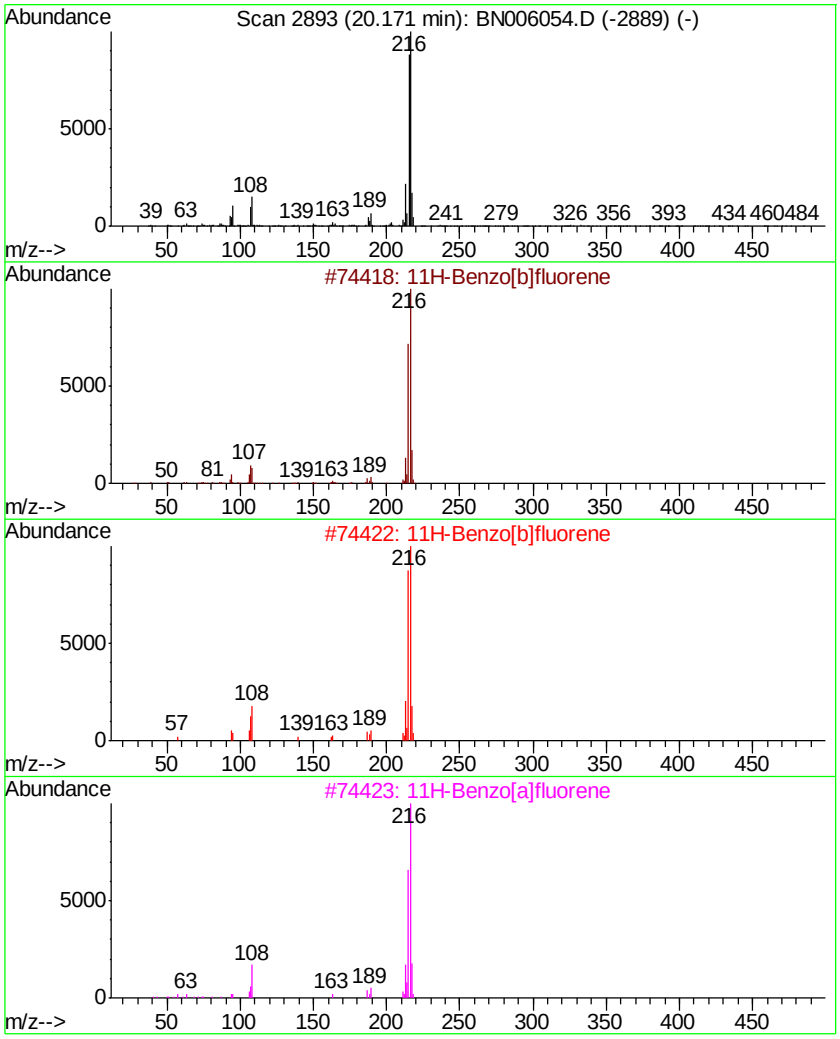
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

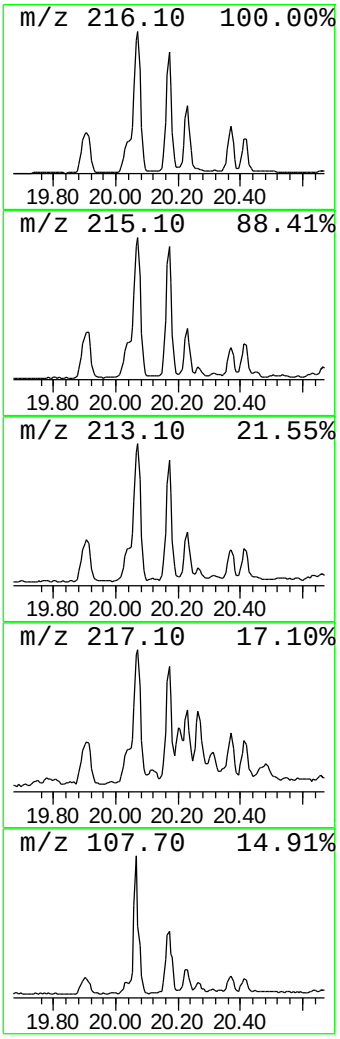
****

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.66 ng/ul	1320100	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

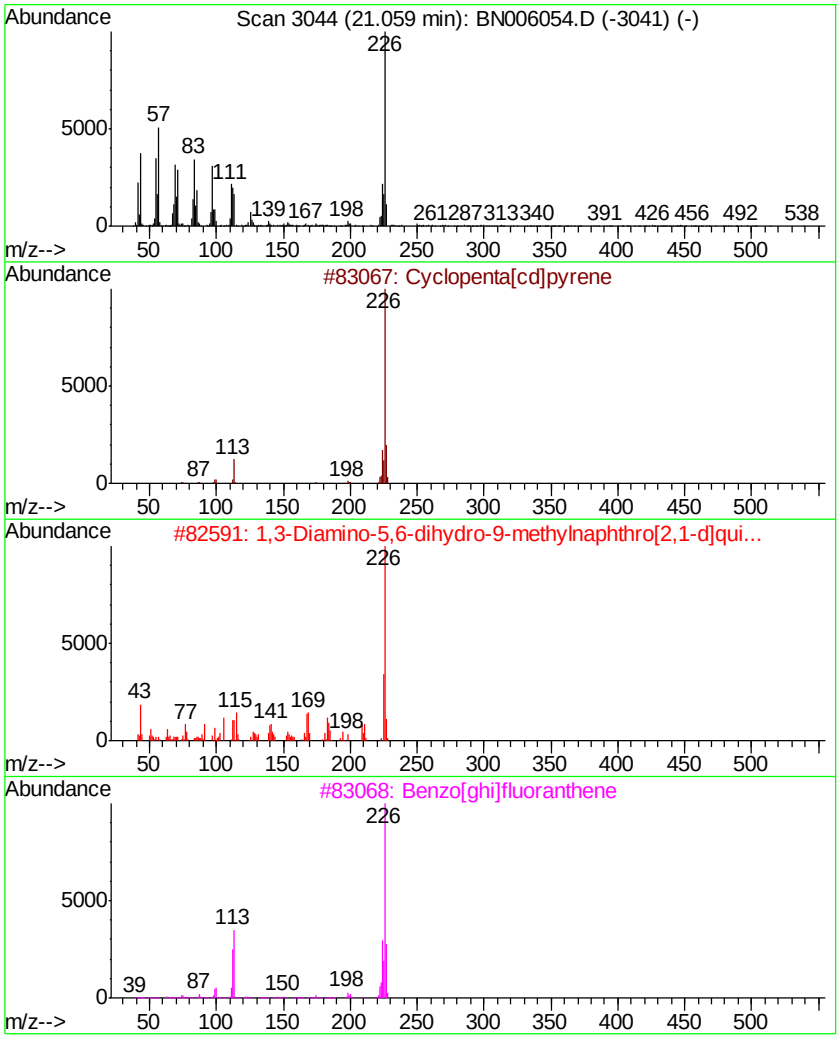
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

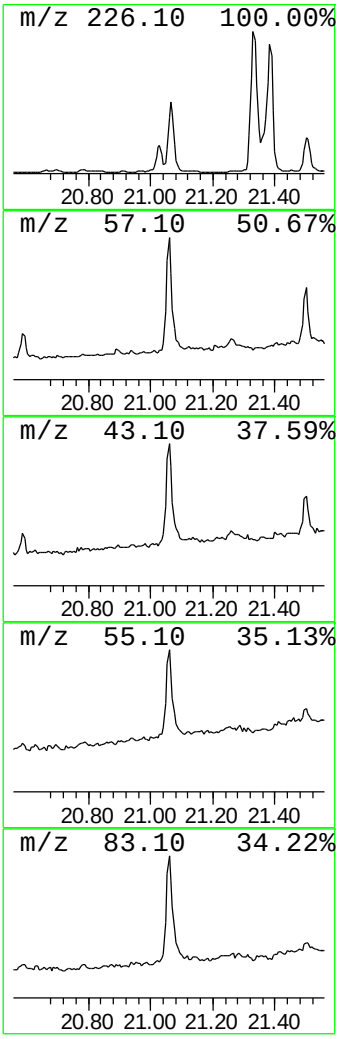
****

Peak Number 13 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	3.63 ng/ul	1800060	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	45
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	43
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	27
4	3-Amino-10H-dibenzo[b,f][1,4]oxa...	226	C13H10N2O2	1000311-61-3	17
5	l-Leucine, N-(2,6-difluorobenzoy...	355	C19H27F2NO3	1000327-74-5	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

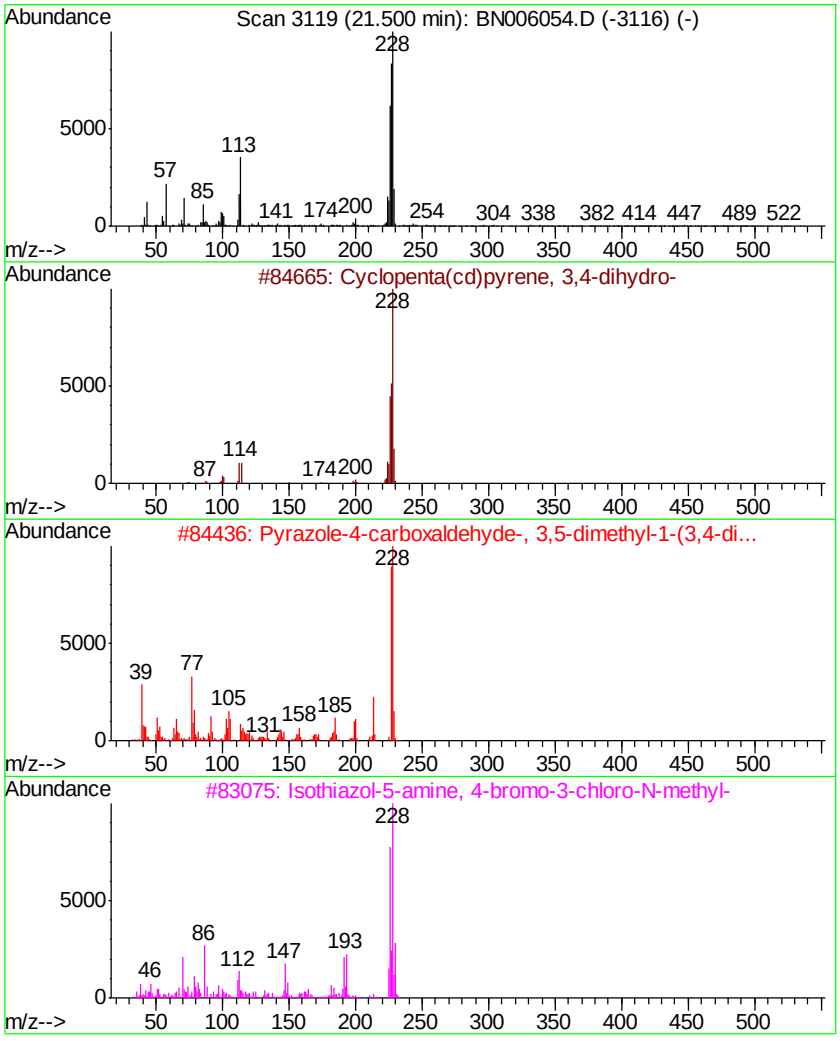
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

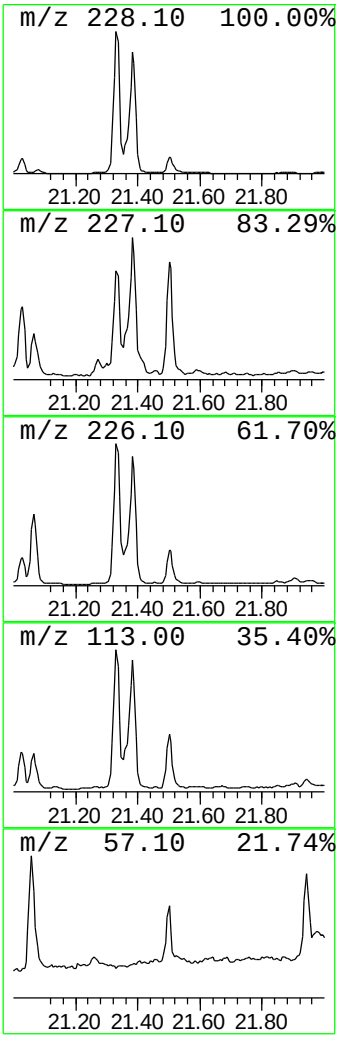
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	2.48 ng/ul	1229610	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
Data File : BN006054.D
Acq On : 04 Jun 2019 02:23
Operator : JU/SJ
Sample : K2923-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42D7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.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
Dibenzothiophene	16.95	3.0	ng/ul	592178	4	17.14	3895440	20.0
Phenanthrene, 2-m...	18.01	4.6	ng/ul	895267	4	17.14	3895440	20.0
Anthracene, 2-met...	18.06	6.7	ng/ul	1307520	4	17.14	3895440	20.0
Anthracene, 9-met...	18.14	2.3	ng/ul	445305	4	17.14	3895440	20.0
4H-Cyclopenta[def...	18.21	10.6	ng/ul	2054400	4	17.14	3895440	20.0
1H-Indene, 2-phenyl-	18.25	2.4	ng/ul	466298	4	17.14	3895440	20.0
Naphthalene, 2-ph...	18.52	3.4	ng/ul	668089	4	17.14	3895440	20.0
9,10-Anthracenedione	18.56	3.6	ng/ul	711333	4	17.14	3895440	20.0
Phenanthrene, 2,5...	18.94	2.1	ng/ul	403334	4	17.14	3895440	20.0
Cyclopenta(def)ph...	19.08	2.2	ng/ul	431884	4	17.14	3895440	20.0
11H-Benzo[b]fluorene	20.06	3.7	ng/ul	1827470	5	21.35	9926540	20.0
11H-Benzo[a]fluorene	20.17	2.7	ng/ul	1320100	5	21.35	9926540	20.0
unknown-01	21.06	3.6	ng/ul	1800060	5	21.35	9926540	20.0
Cyclopenta(cd)pyr...	21.50	2.5	ng/ul	1229610	5	21.35	9926540	20.0