LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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	3.248	13	16	25	rVB	64772	96622	0.95%	0.073%
2	3.754	98	102	109	rVB	87049	112710	1.11%	0.086%
3	3.871	116	122	130	rVB	91638	143598	1.42%	0.109%
4	4.854	284	289	296	rVB	93915	136907	1.35%	0.104%
5	6.901	628	637	650	rBV	1152658	1958132	19.33%	1.489%
6	7.059	655	664	678	rVV	901506	1477090	14.58%	1.123%
7	7.259	692	698	708	rBV	1204827	1951485	19.27%	1.484%
8	7.730	770	778	785	rBV	1733166	2810865	27.75%	2.138%
9	8.265	858	869	887	rBV	50148	150707	1.49%	0.115%
10	8.436	891	898	907	rBV	1358352	2226386	21.98%	1.693%
11	8.548	912	917	923	rVB	56126	96746	0.96%	0.074%
12	8.883	966	974	983	rBV	1133049	1849592	18.26%	1.407%
13	9.042	995	1001	1005	rVB7	23817	55305	0.55%	0.042%
14	9.295	1039	1044	1051	rBV	51279	78521	0.78%	0.060%
15	9.601	1089	1096	1109	rBV	859084	1465809	14.47%	1.115%
16	10.142	1181	1188	1198	rBV	1461691	2481211	24.50%	1.887%
17	10.518	1244	1252	1258	rBV	2335546	3905214	38.56%	2.970%
18	10.565	1258	1260	1265	rVB	59296	85475	0.84%	0.065%
19	10.659	1270	1276	1288	rVV	160216	374365	3.70%	0.285%
20	12.030	1500	1509	1514	rBV5	19865	57684	0.57%	0.044%
21	12.189	1530	1536	1542	rBV	71875	109183	1.08%	0.083%
22	12.412	1567	1574	1581	rVB	90969	155303	1.53%	0.118%
23	13.206	1703	1709	1714	rBV4	28756	50478	0.50%	0.038%
24	13.553	1758	1768	1775	rBV5	85195	233493	2.31%	0.178%
25	13.700	1787	1793	1798	rVV	187464	340337	3.36%	0.259%
26	13.753	1798	1802	1804	rVV	120933	176804	1.75%	0.134%
27	13.794	1804	1809	1813	rVV	2403257	3444126	34.01%	2.620%
28	13.836	1813	1816	1824	rVV	1001141	1381974	13.65%	1.051%
29	13.936	1826	1833	1837	rVV	95396	171980	1.70%	0.131%
30	13.971	1837	1839	1845	rVB2	42440	58219	0.57%	0.044%
31	14.077	1845	1857	1876	rBV2	2663968	4871252	48.10%	3.705%
32	14.383	1899	1909	1916	rBV2	2864798	4495625	44.39%	3.419%
33	14.447	1916	1920	1928	rVB	146687	233038	2.30%	0.177%
34	14.518	1928	1932	1940	rVB3	44137	72522	0.72%	0.055%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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	14.600	1940	1946	1950	rBV	563001	941666	9.30%	0.716%
36	14.641	1950	1953	1958	rVB	101797	153567	1.52%	0.117%
37	14.741	1966	1970	1973	rBV	95870	144168	1.42%	0.110%
38	14.783	1973	1977	1986	rVB	356173	582914	5.76%	0.443%
39	14.859	1986	1990	1995	rVB	130852	186583	1.84%	0.142%
40	15.006	2007	2015	2019	rBV2	115591	240352	2.37%	0.183%
41	15.059	2019	2024	2029	rVB2	114350	155990	1.54%	0.119%
42	15.177	2036	2044	2048	rBV5	95175	215517	2.13%	0.164%
43	15.253	2053	2057	2064	rVB2	51286	96473	0.95%	0.073%
44	15.383	2070	2079	2084	rVV	3258307	4696649	46.37%	3.572%
45	15.435	2084	2088	2098	rVB	544554	841568	8.31%	0.640%
46	15.518	2098	2102	2106	rBV2	127864	188379	1.86%	0.143%
47	15.647	2113	2124	2133	rVB8	50364	174623	1.72%	0.133%
48	15.730	2133	2138	2144	rBV	237792	380306	3.76%	0.289%
49	15.877	2155	2163	2172	rBV	247317	528614	5.22%	0.402%
50	15.971	2172	2179	2188	rVB2	71134	158302	1.56%	0.120%
51	16.112	2197	2203	2209	rBV5	129097	248743	2.46%	0.189%
52	16.253	2223	2227	2230	rBV	41898	53040	0.52%	0.040%
53	16.447	2252	2260	2264	rBV3	177813	366139	3.62%	0.278%
54	16.494	2264	2268	2273	rVB	102278	155265	1.53%	0.118%
55	16.541	2273	2276	2281	rBV7	36578	56294	0.56%	0.043%
56	16.594	2282	2285	2291	rVB2	67334	96621	0.95%	0.073%
57	16.671	2295	2298	2302	rBV2	134618	180511	1.78%	0.137%
58	16.712	2302	2305	2309	rBV	114528	137899	1.36%	0.105%
59	16.794	2314	2319	2326	rVB	500659	732120	7.23%	0.557%
60	16.871	2327	2332	2339	rBV2	151165	313577	3.10%	0.239%
61	16.959	2342	2347	2357	rVB	342055	544722	5.38%	0.414%
62	17.141	2372	2378	2381	rBV	2813972	4088330	40.37%	3.110%
63	17.182	2381	2385	2390	rVV	6635484	9225548	91.09%	7.017%
64	17.235	2390	2394	2398	rVV2	2833616	4304401	42.50%	3.274%
65	17.271	2398	2400	2406	rVV	1259543	1633547	16.13%	1.242%
66	17.324	2406	2409	2416	rVB4	128235	228520	2.26%	0.174%
67	17.412	2421	2424	2428	rVV	61990	103704	1.02%	0.079%
68	17.453	2428	2431	2436	rVB2	89056	126446	1.25%	0.096%
69	17.541	2443	2446	2450	rBV	317660	390402	3.85%	0.297%
70	17.659	2464	2466	2473	rVB2	126751	149155	1.47%	0.113%
71	17.724	2473	2477	2483	rVB2	243666	381180	3.76%	0.290%

LSC Area Percent Report

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Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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	17.935	2510	2513	2517	rBV2	93747	133386	1.32%	0.101%
73	18.018	2522	2527	2532	rVV	957190	1842562	18.19%	1.401%
74	18.065	2532	2535	2541	rVV	1321556	1812521	17.90%	1.379%
75	18.147	2545	2549	2554	rVV	322835	460865	4.55%	0.351%
76	18.212	2554	2560	2564	rVV2	1111759	2097181	20.71%	1.595%
77	18.247	2564	2566	2572	rVB	626612	841093	8.30%	0.640%
78	18.371	2584	2587	2591	rBV4	101165	127208	1.26%	0.097%
79	18.524	2608	2613	2616	rBV	580667	794782	7.85%	0.605%
80	18.565	2616	2620	2628	rVB2	462166	669431	6.61%	0.509%
81	18.824	2661	2664	2667	rVV	175657	188010	1.86%	0.143%
82	18.859	2667	2670	2674	rVB2	194765	236019	2.33%	0.180%
83	18.941	2680	2684	2689	rBV	501551	802998	7.93%	0.611%
84	19.088	2704	2709	2718	rBV	562404	1046001	10.33%	0.796%
85	19.212	2724	2730	2736	rBV	7753189	10127849	100.00%	7.703%
86	19.359	2752	2755	2759	rVB	286693	384032	3.79%	0.292%
87	19.547	2782	2787	2789	rBV2	3670811	5530411	54.61%	4.206%
88	19.576	2789	2792	2800	rVB	5993324	7835952	77.37%	5.960%
89	19.647	2801	2804	2808	rVB2	314940	456660	4.51%	0.347%
90	19.753	2819	2822	2829	rBV	366846	534314	5.28%	0.406%
91	19.912	2842	2849	2854	rBV3	550982	1505638	14.87%	1.145%
92	20.071	2873	2876	2885	rVB	814475	1109463	10.95%	0.844%
93	20.171	2891	2893	2897	rBV	293933	306559	3.03%	0.233%
94	20.823	3001	3004	3009	rBV	941162	1182914	11.68%	0.900%
95	21.065	3042	3045	3051	rBV3	916707	1461102	14.43%	1.111%
96	21.129	3053	3056	3061	rVB	788171	935772	9.24%	0.712%
97	21.341	3087	3092	3097	rBV3	4093949	8579755	84.71%	6.526%
98	21.388	3097	3100	3106	rVB	2723463	3521394	34.77%	2.678%
99	22.417	3272	3275	3288	rVB4	1696812	3040948	30.03%	2.313%
100	22.953	3362	3366	3371	rBV3	1623206	3397786	33.55%	2.584%

Sum of corrected areas: 131473199

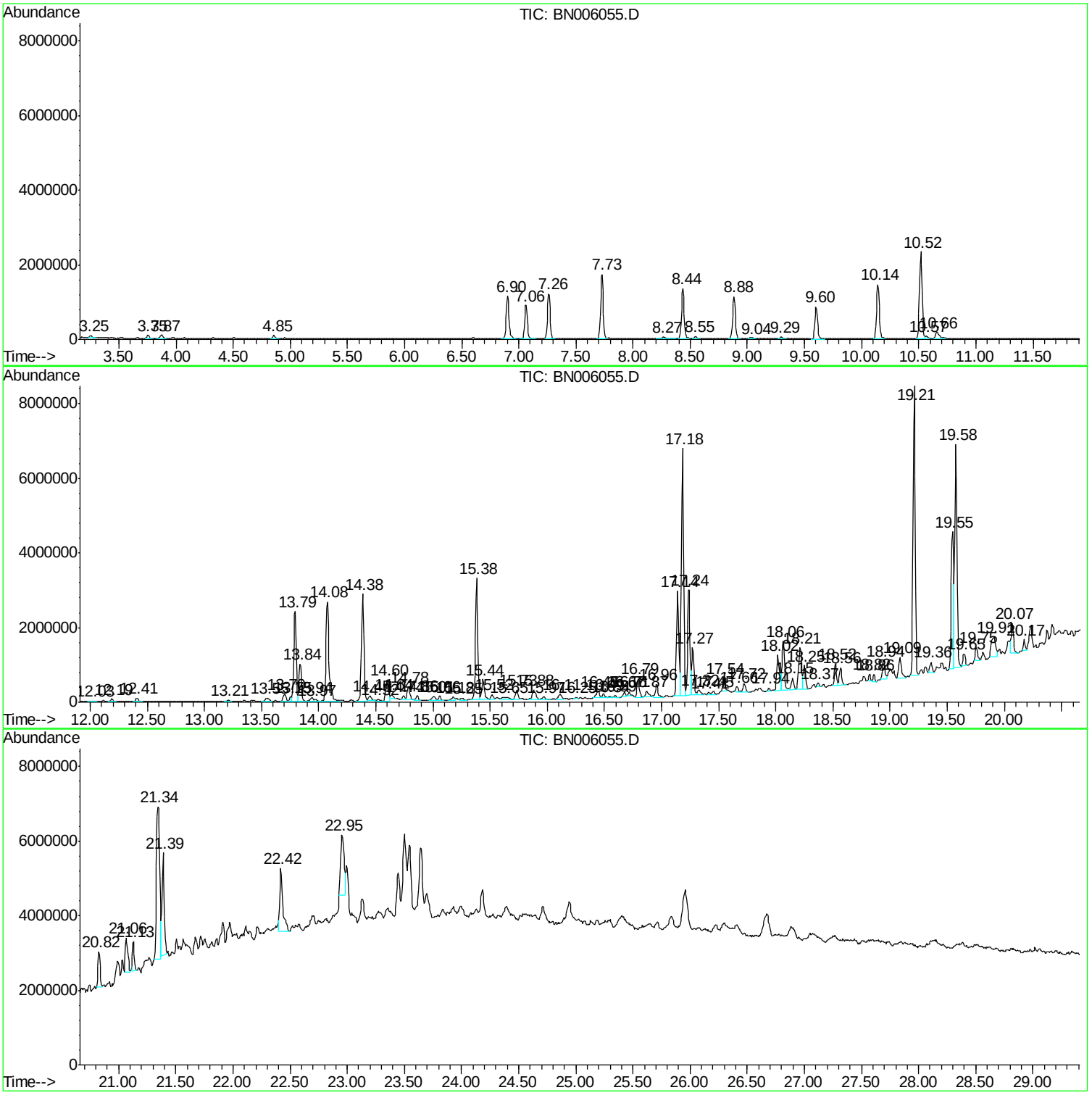
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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 : BN006055.D
Acq On : 04 Jun 2019 02:57
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Sample : K2923-22
Misc :
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Instrument : BNA_N
ClientSampleId : A42F3

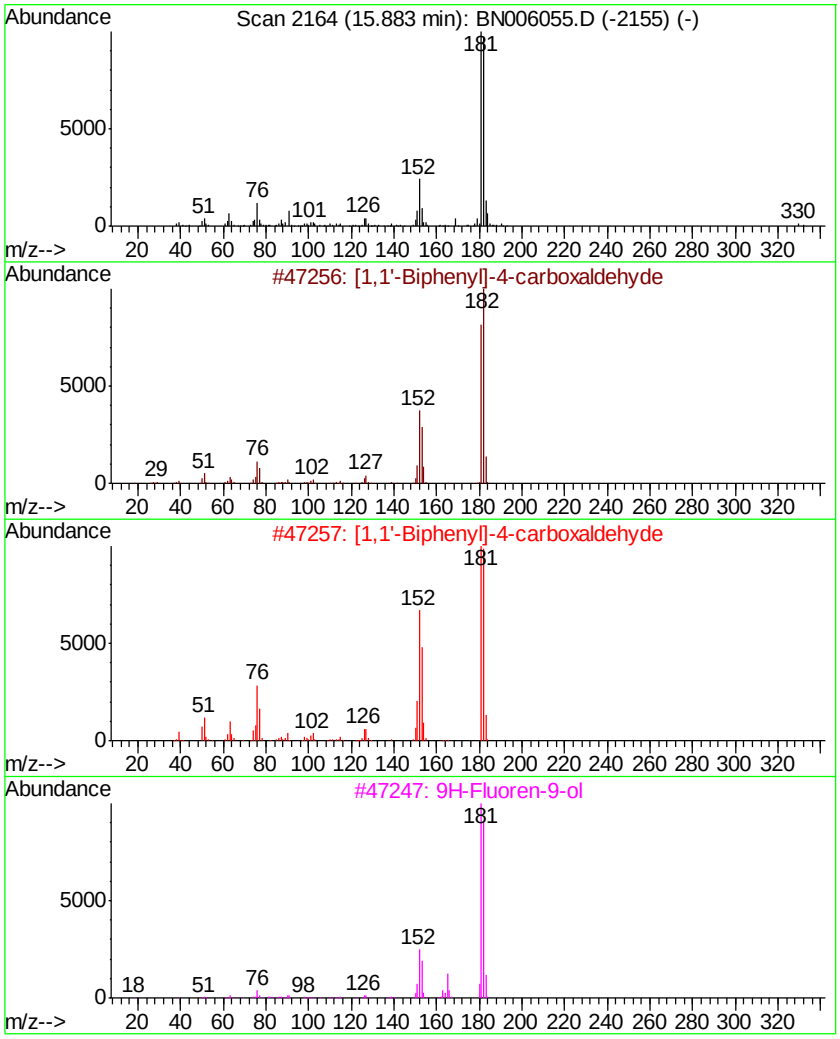
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

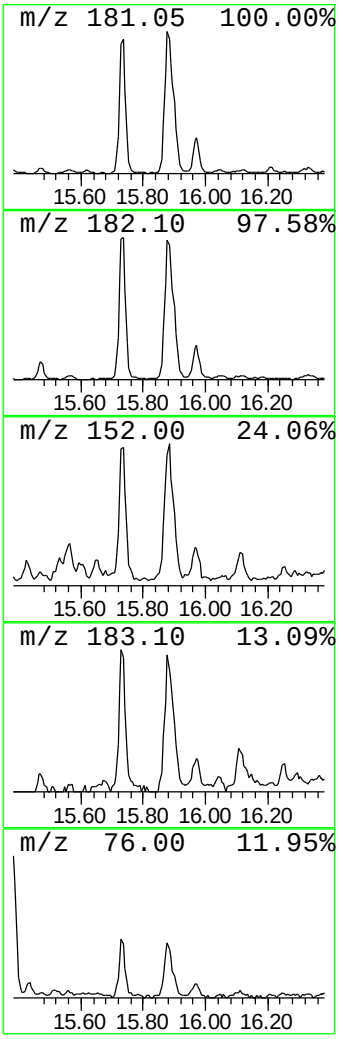
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.59 ng/ul	528614	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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

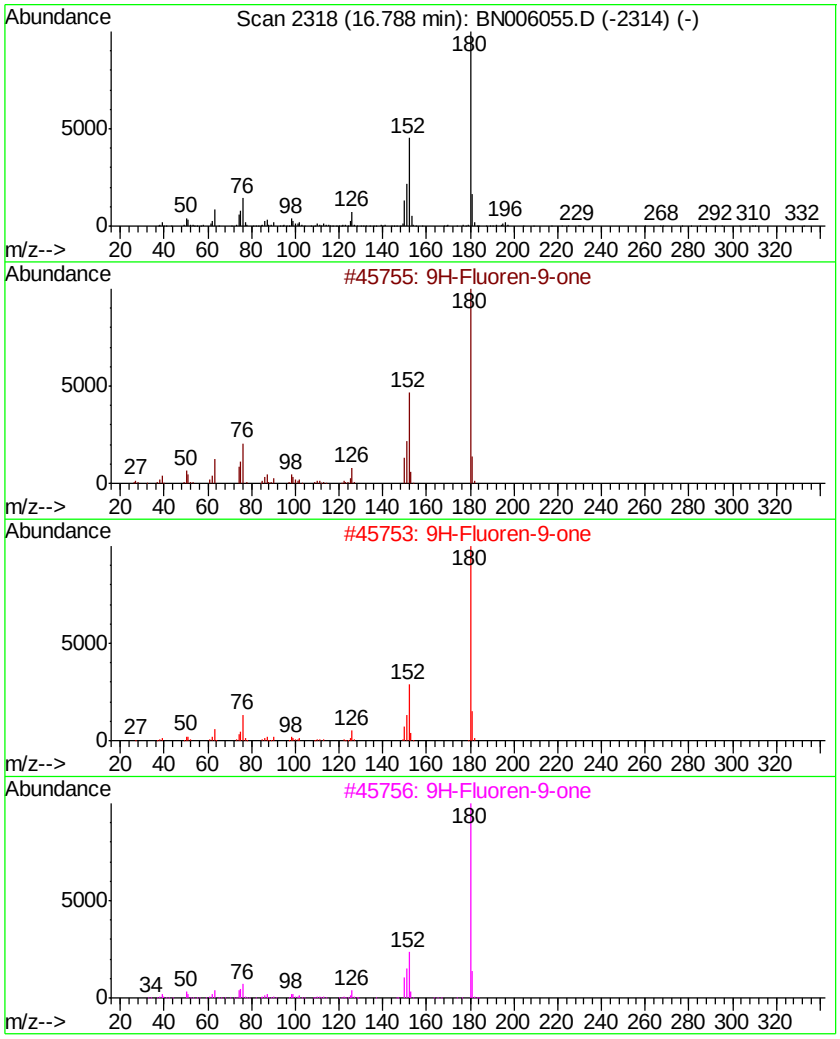
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

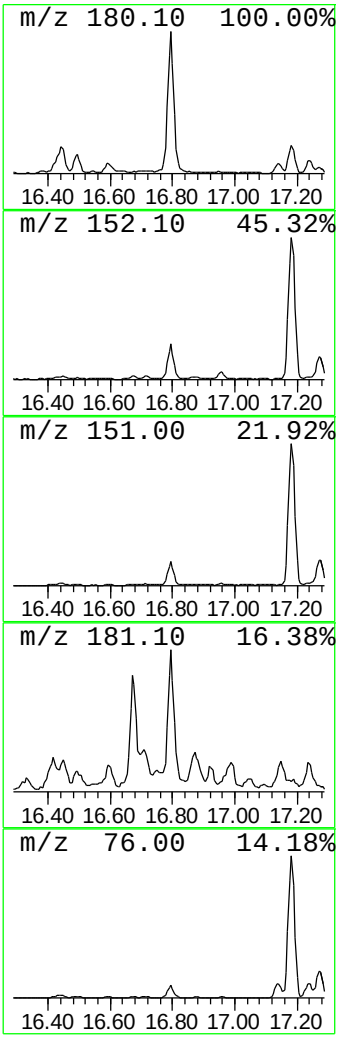
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.58 ng/ul	732120	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
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Misc :
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Instrument : BNA_N
ClientSampleId : A42F3

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

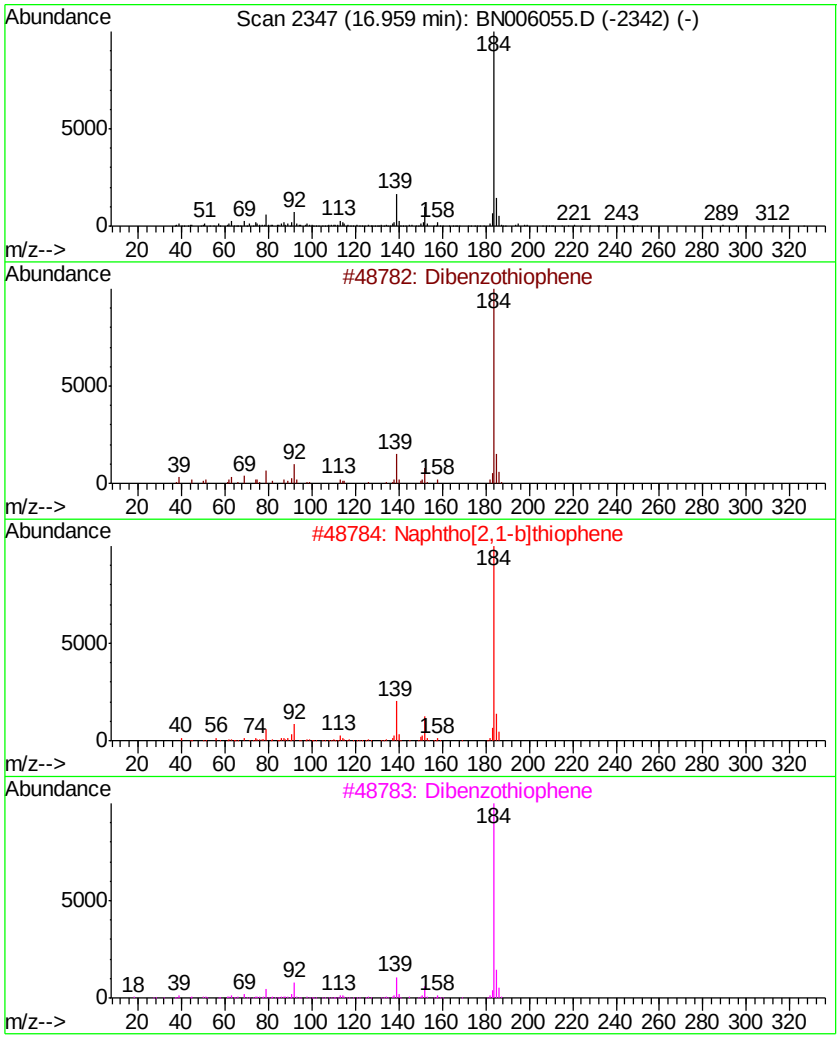
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

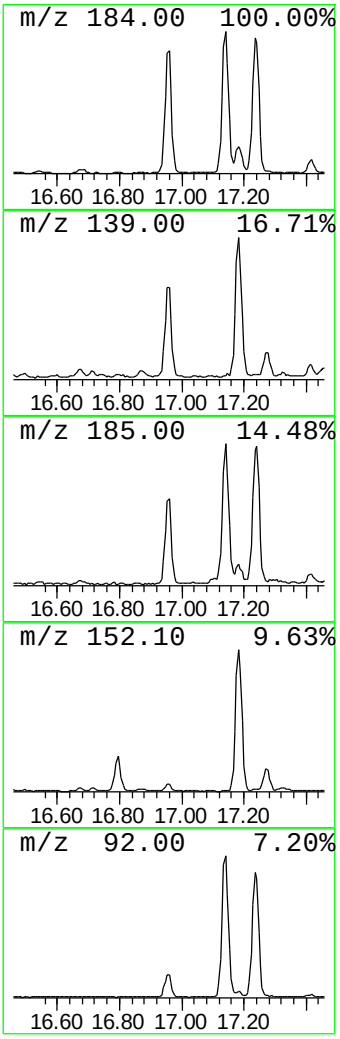
****

Peak Number 3 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.66 ng/ul	544722	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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

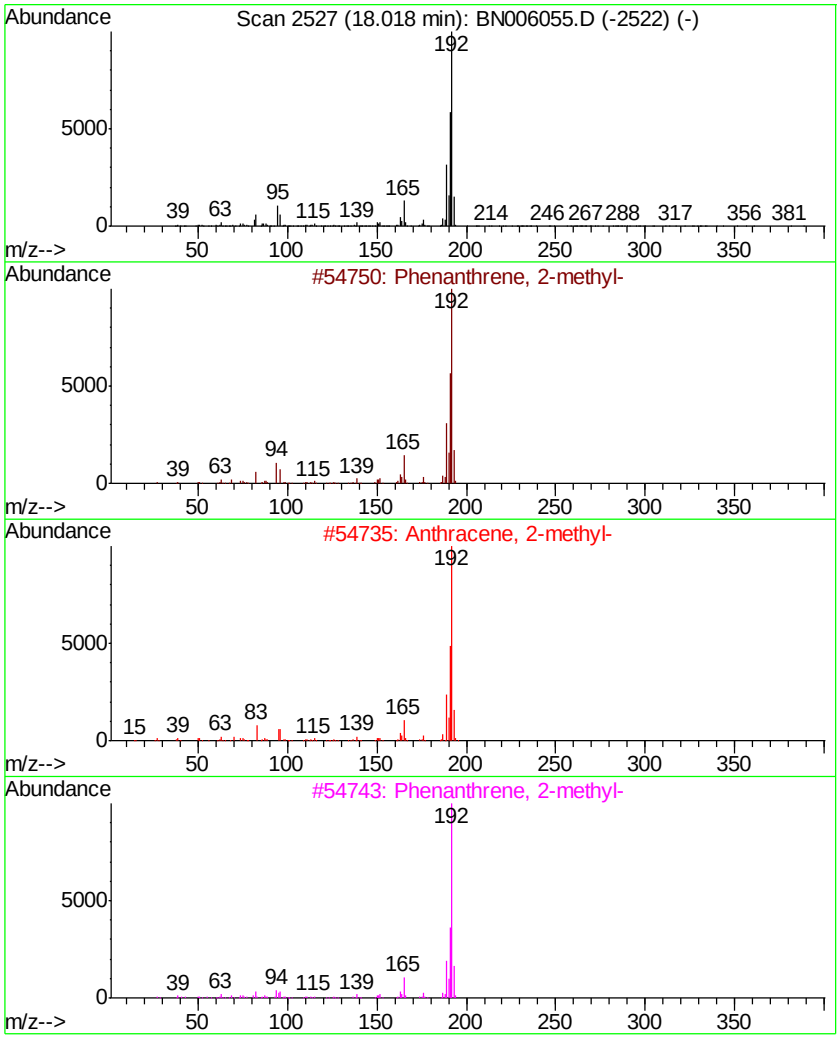
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

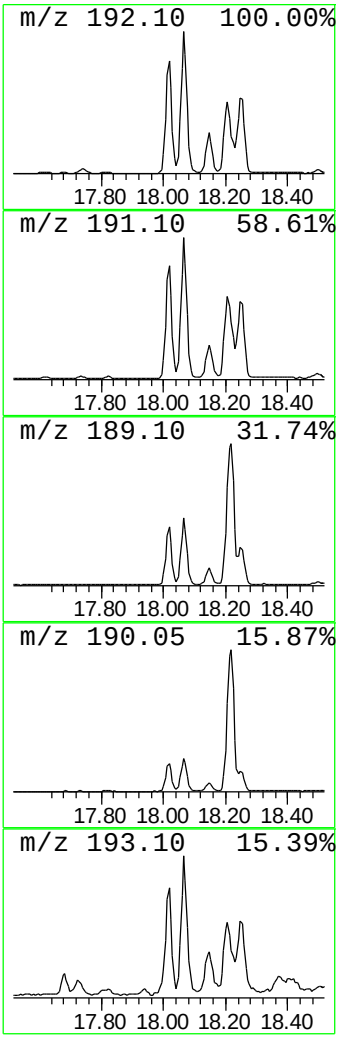
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	9.01 ng/ul	1842560	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	95
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 : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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

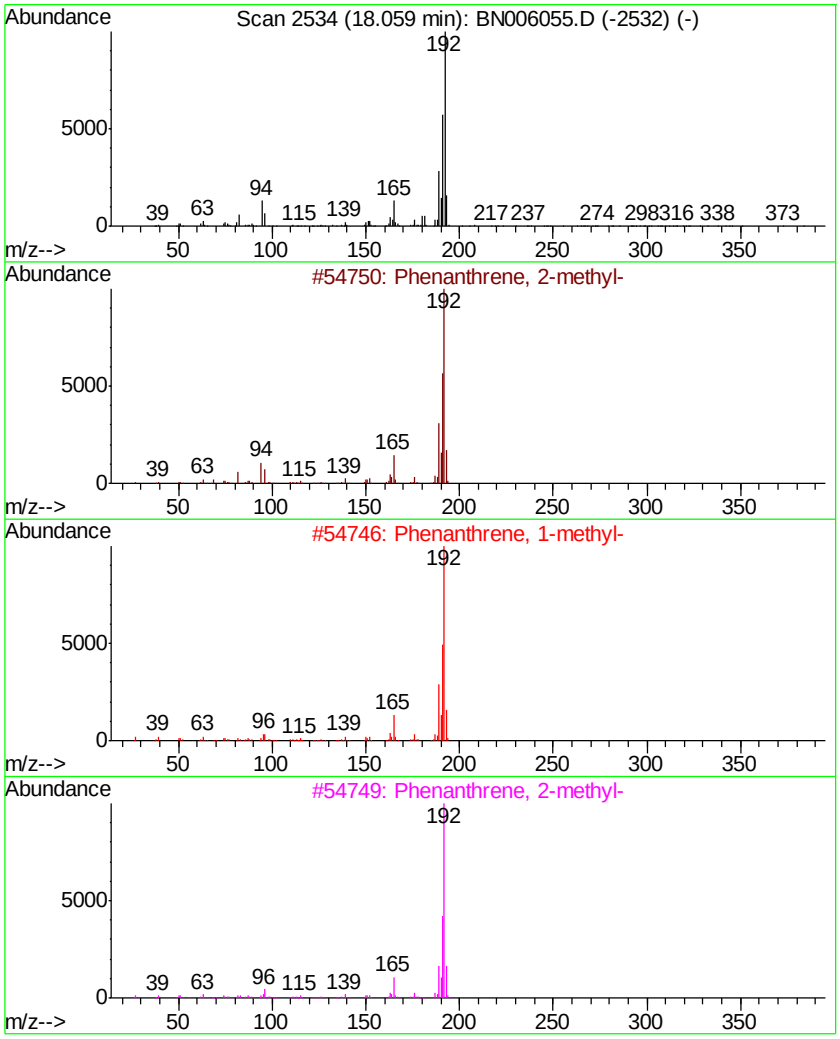
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

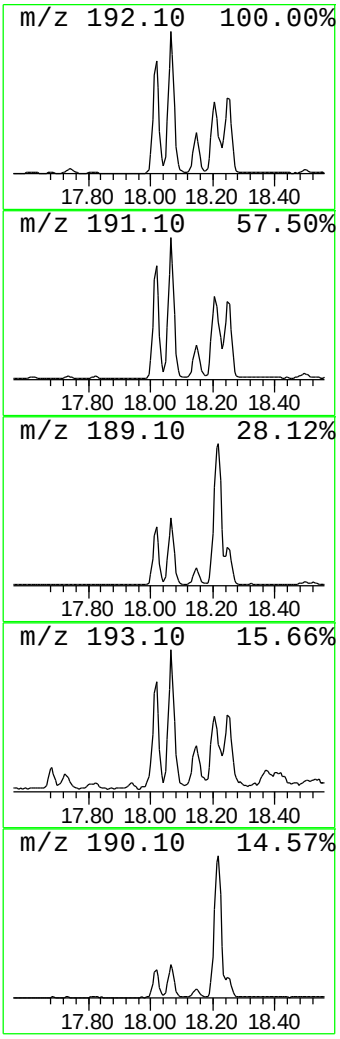
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	8.87 ng/ul	1812520	Phenanthrene-d10	17.14

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	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : K2923-22
Misc :
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Quant Title : SVOA CALIBRATION

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

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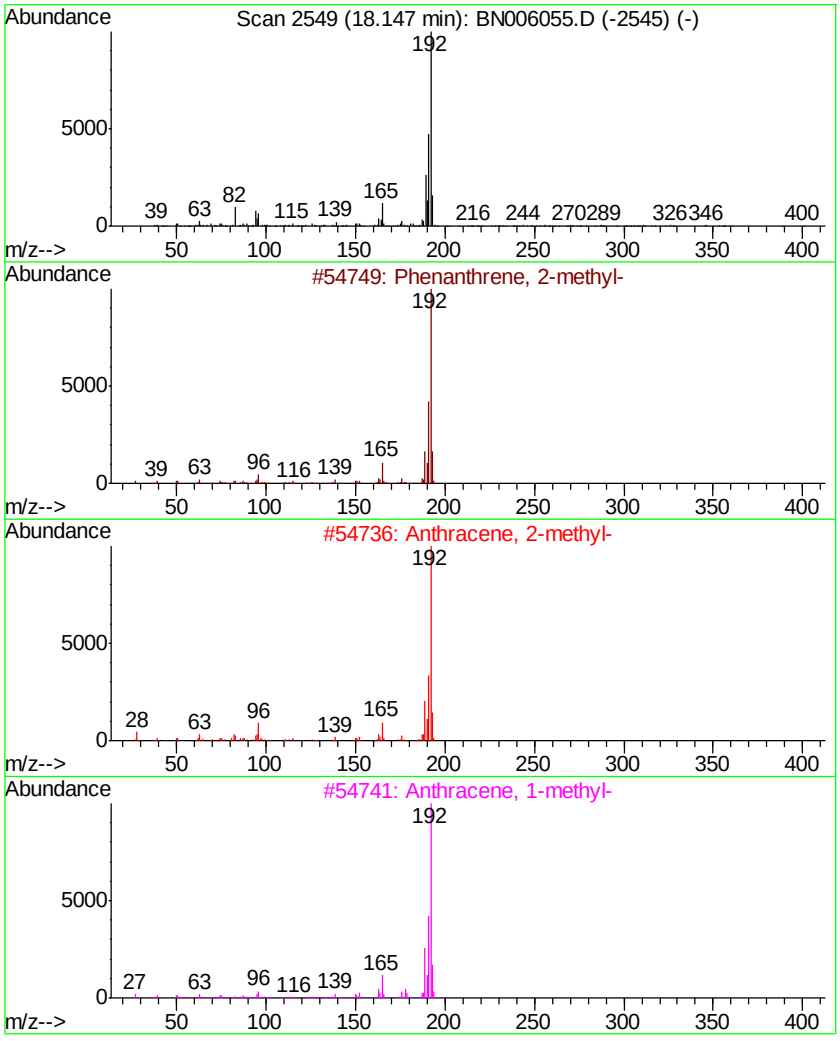
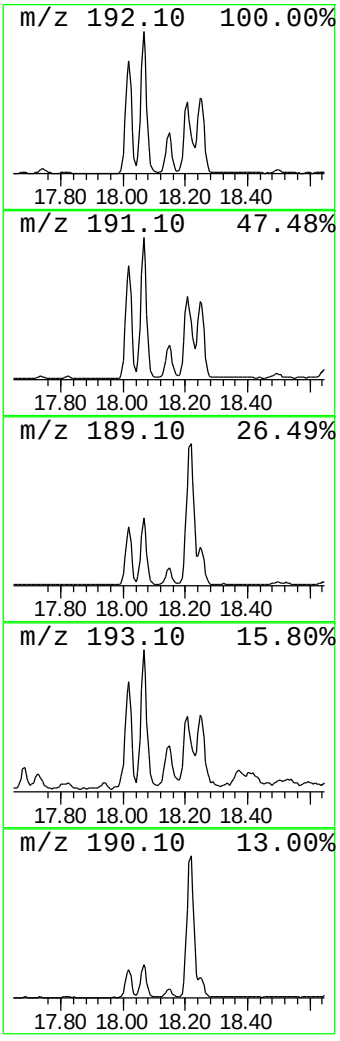
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.25 ng/ul	460865	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, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Quant Title : SVOA CALIBRATION

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

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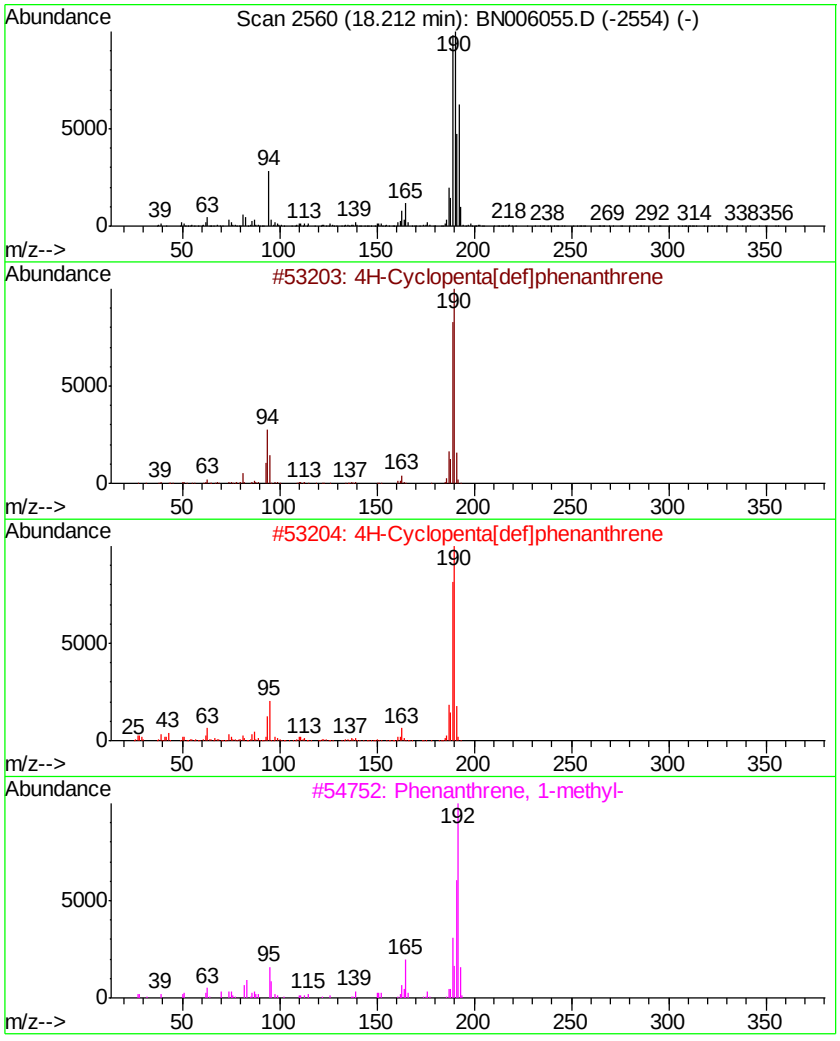
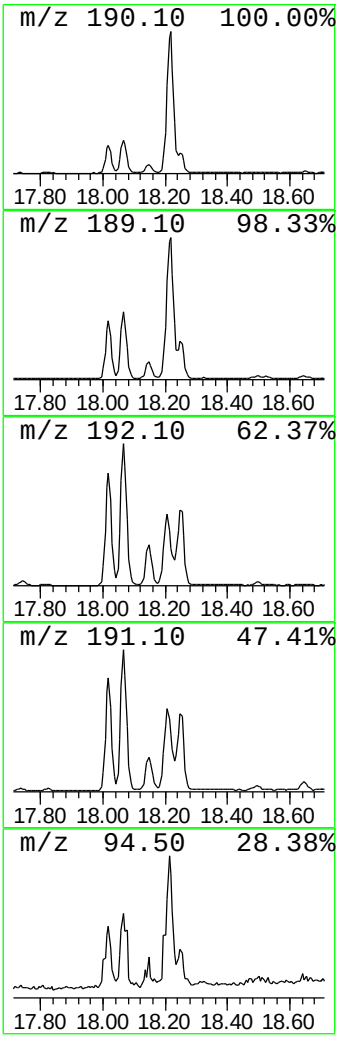
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	10.26 ng/ul	2097180	Phenanthrene-d10	17.14

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	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30





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Quant Title : SVOA CALIBRATION

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

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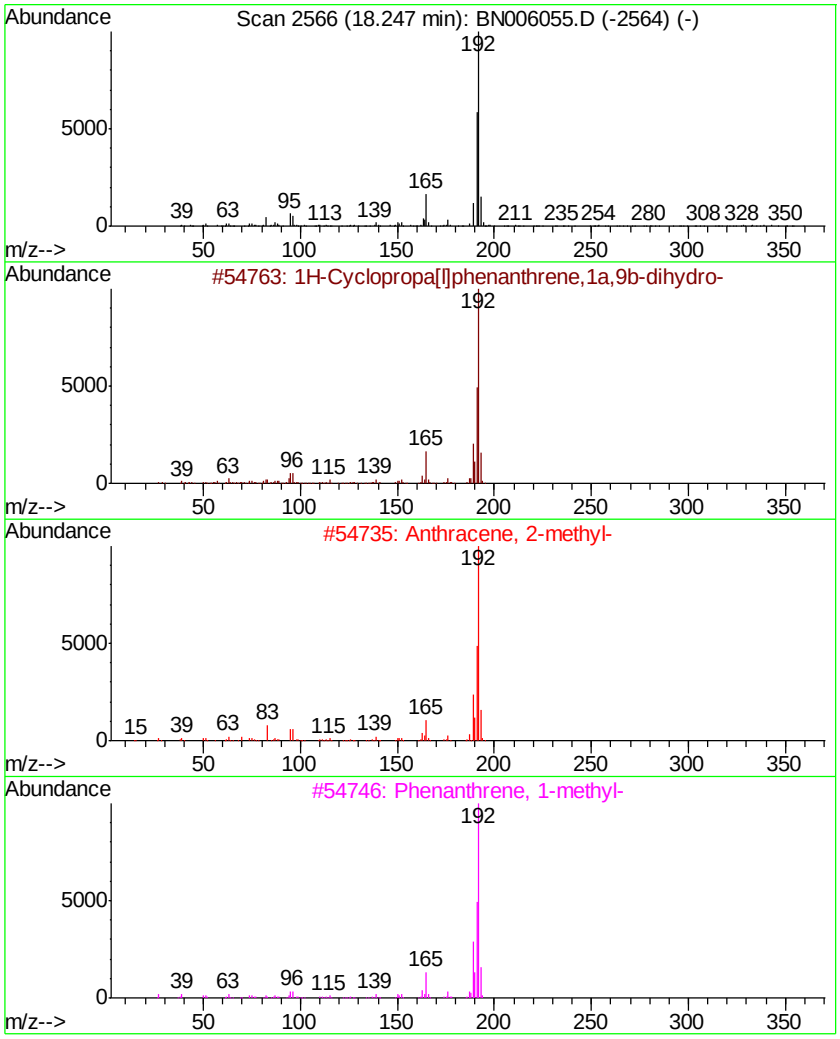
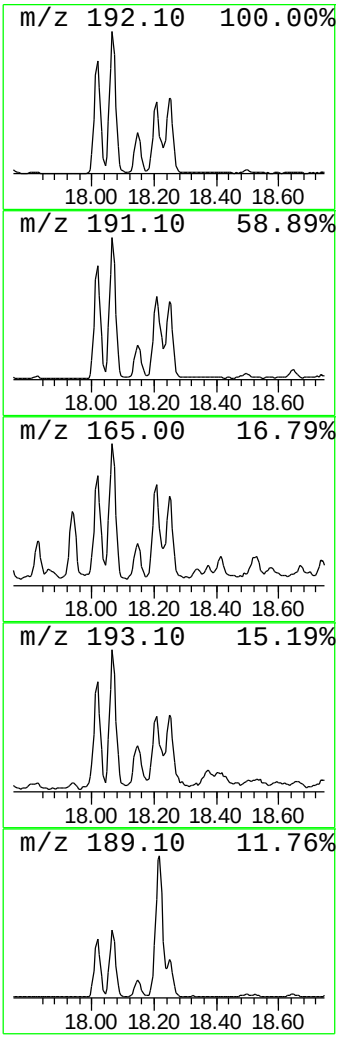
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	4.11 ng/ul	841093	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Quant Title : SVOA CALIBRATION

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

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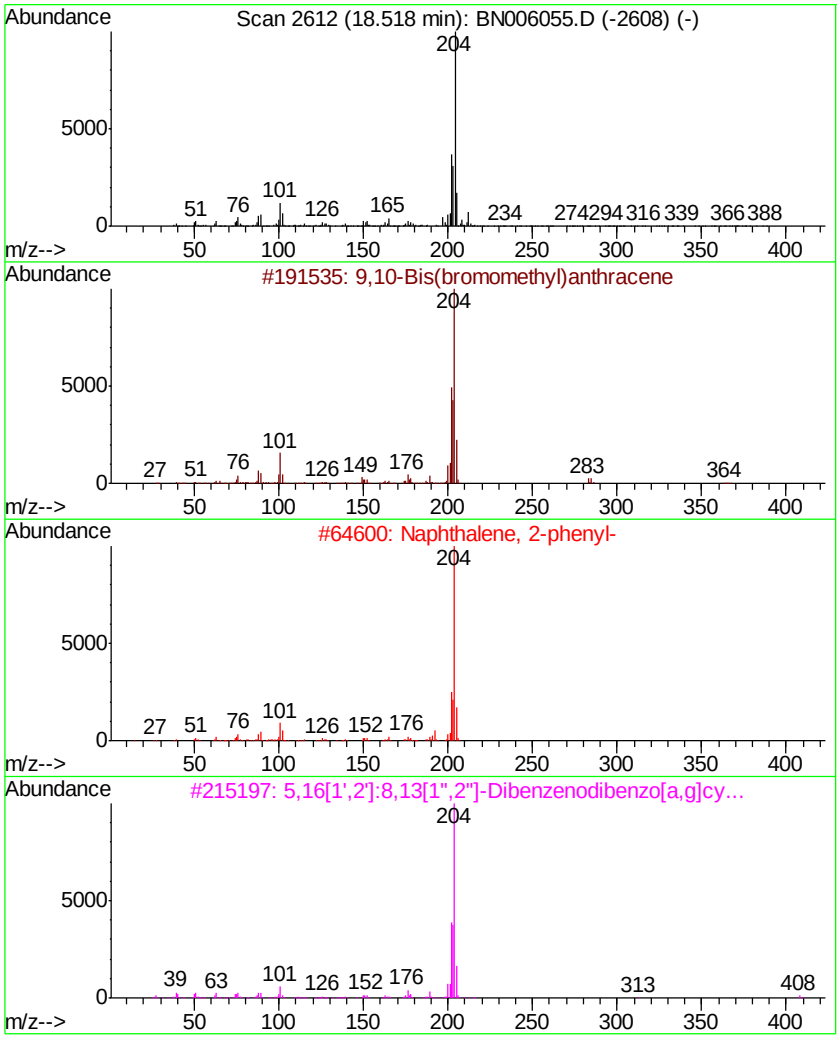
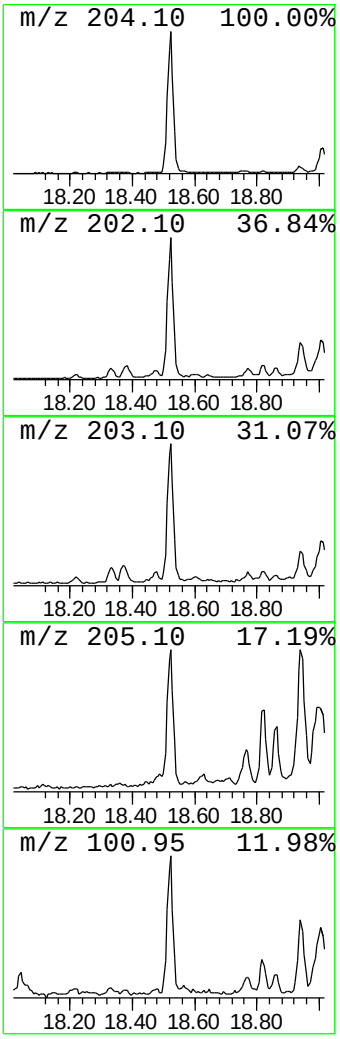
Peak Number 9 9,10-Bis(bromomethyl)anthra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	3.89 ng/ul	794782	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Quant Title : SVOA CALIBRATION

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

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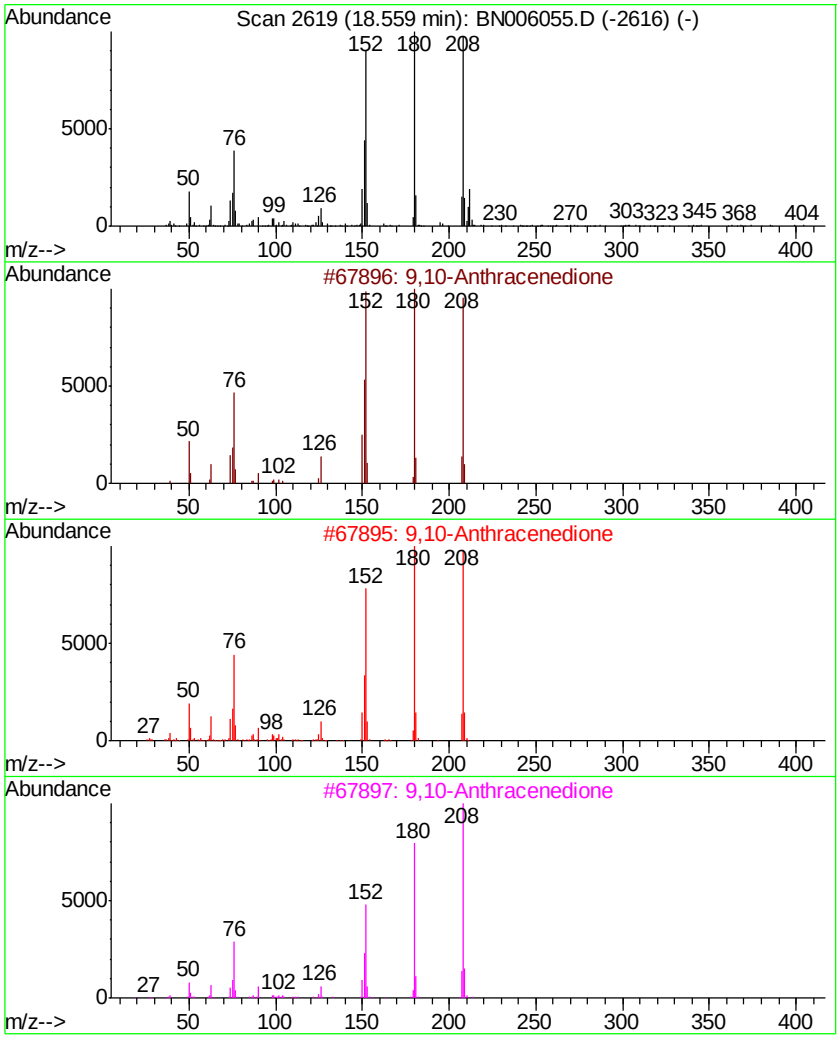
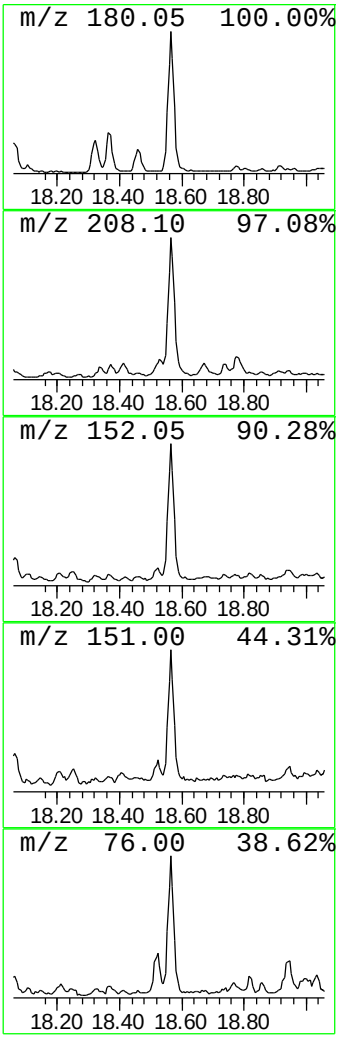
Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.27 ng/ul	669431	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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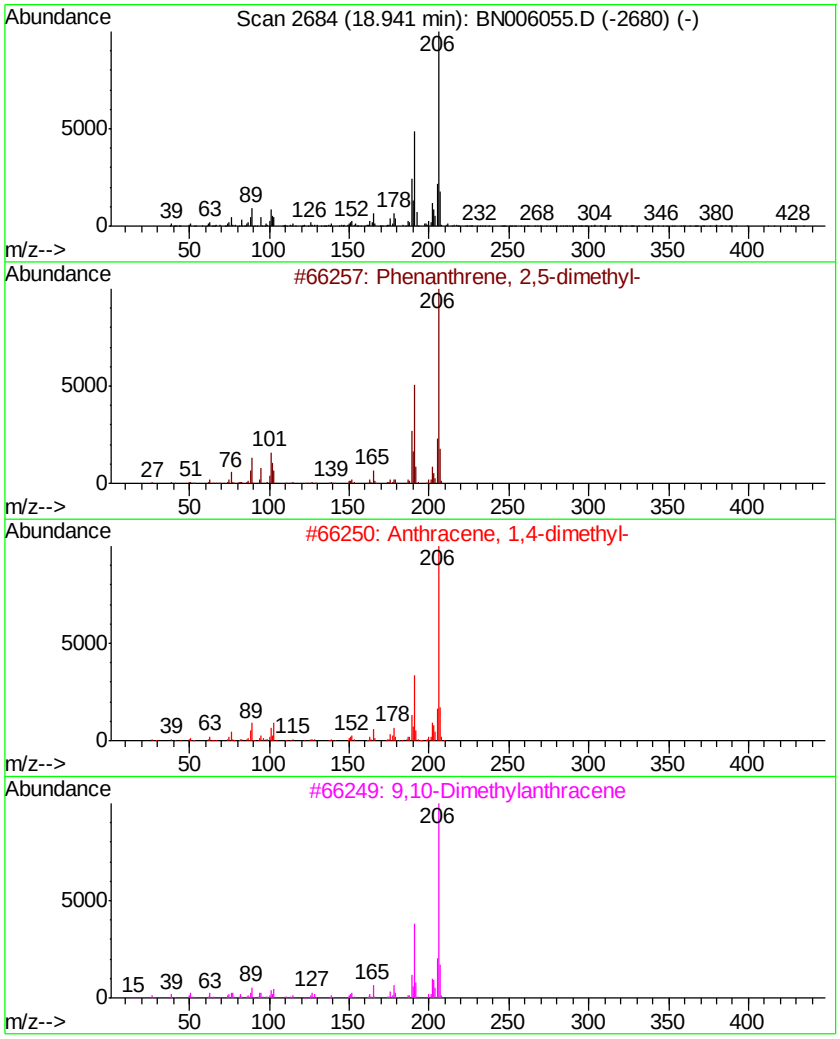
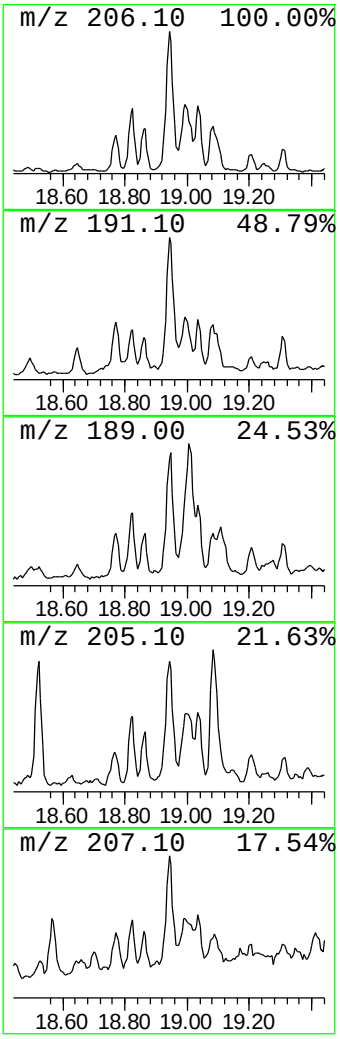
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	3.93 ng/ul	802998	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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

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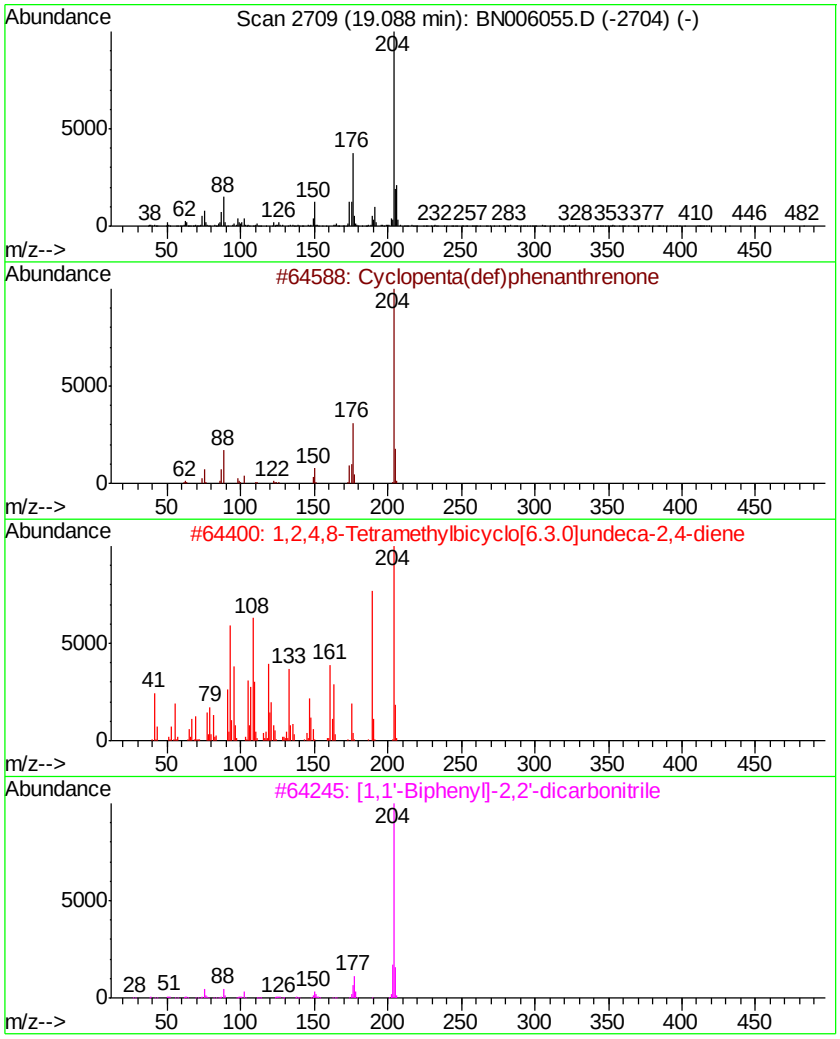
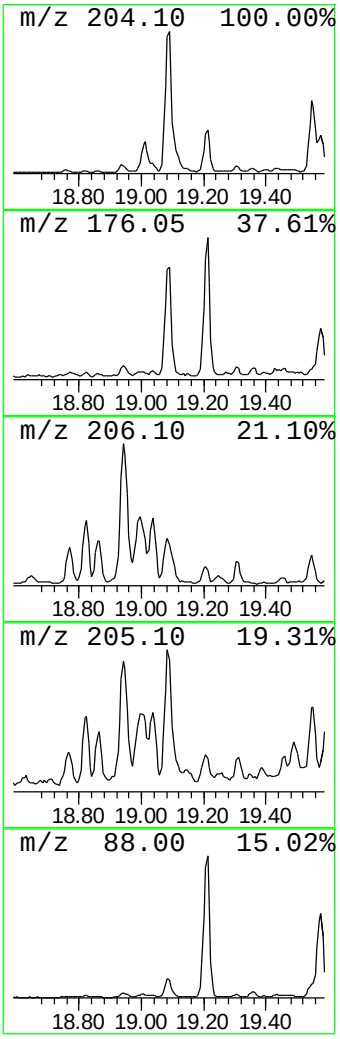
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	5.12 ng/ul	1046000	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Quant Title : SVOA CALIBRATION

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

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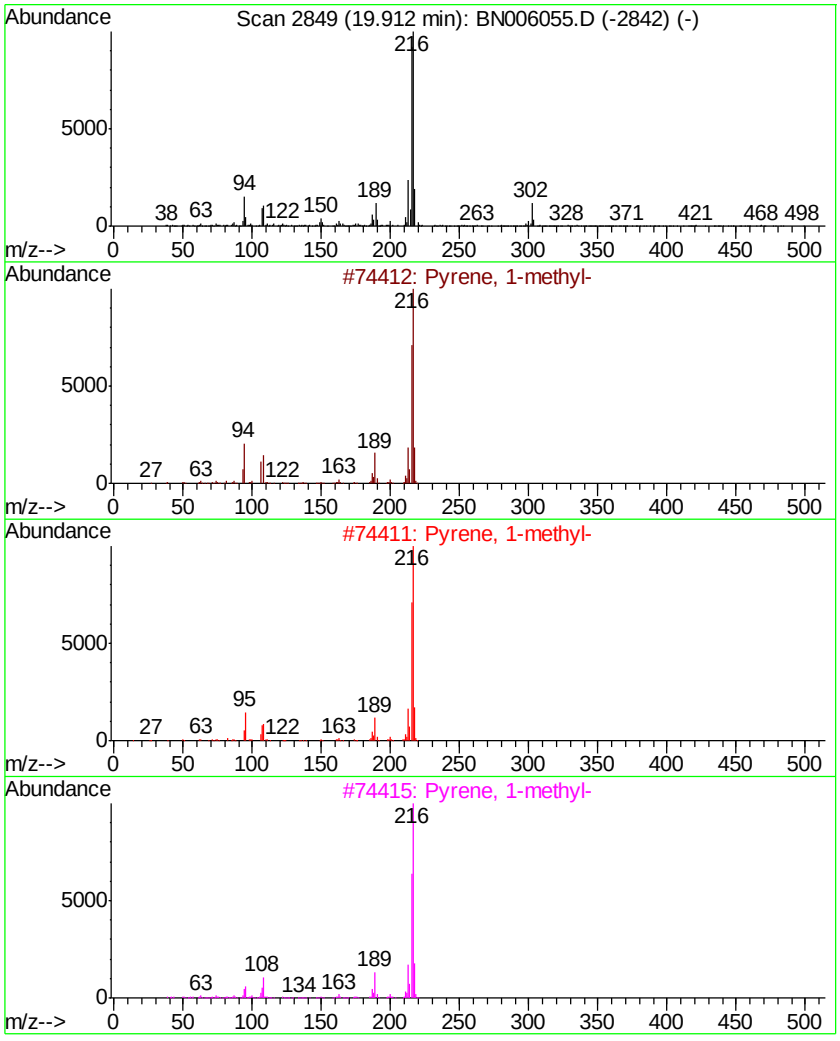
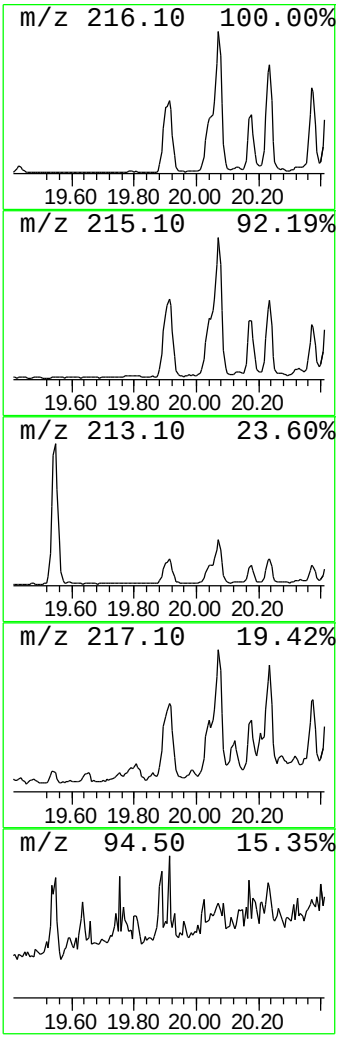
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	3.51 ng/ul	1505640	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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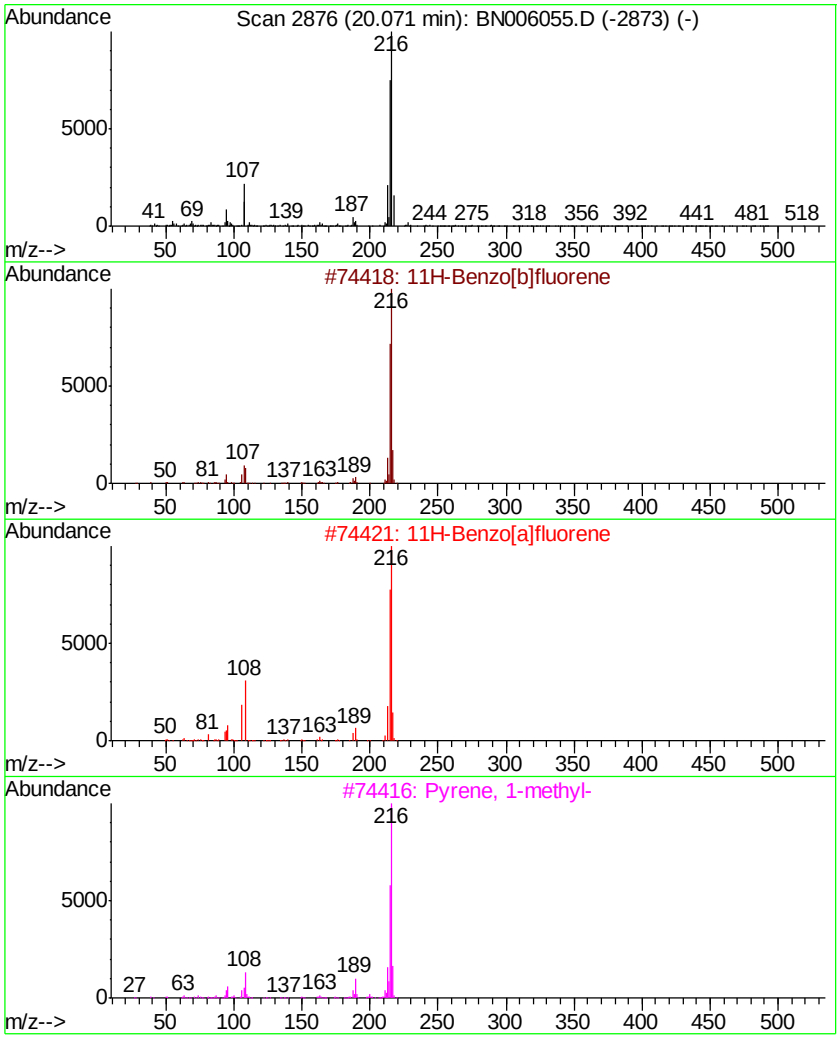
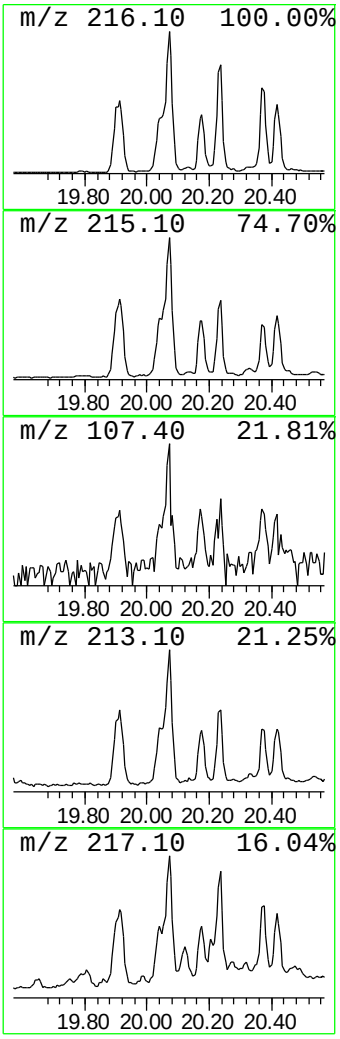
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.59 ng/ul	1109460	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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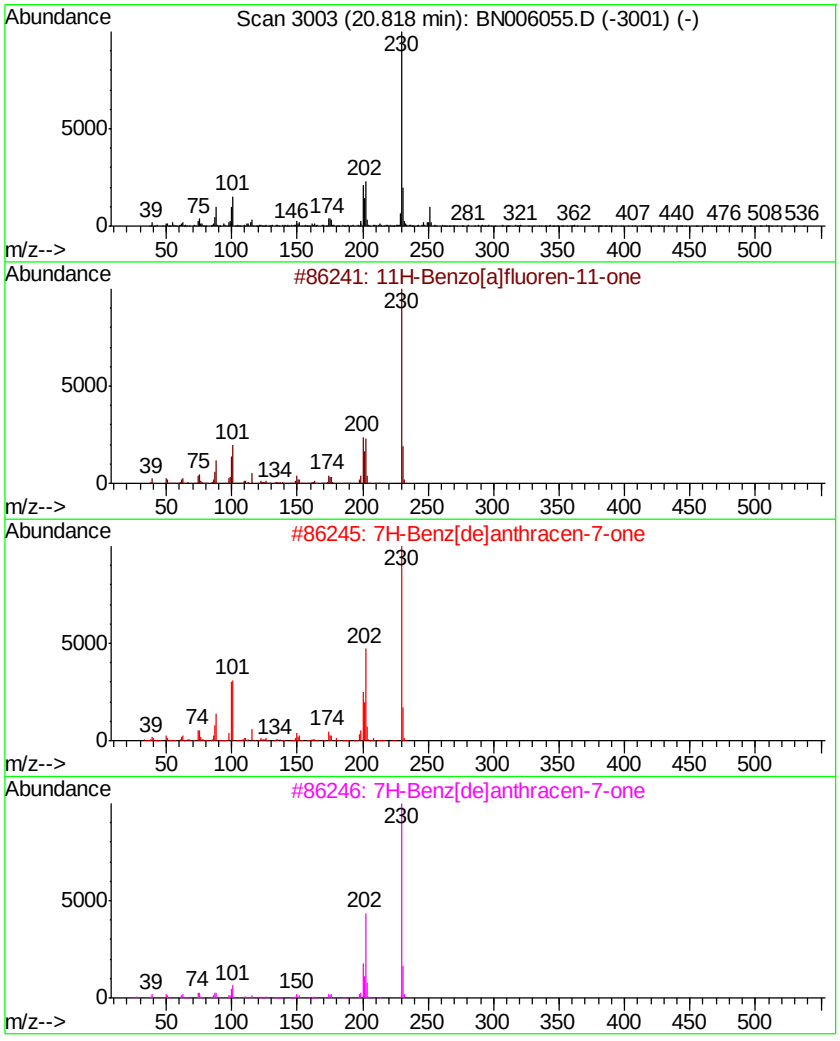
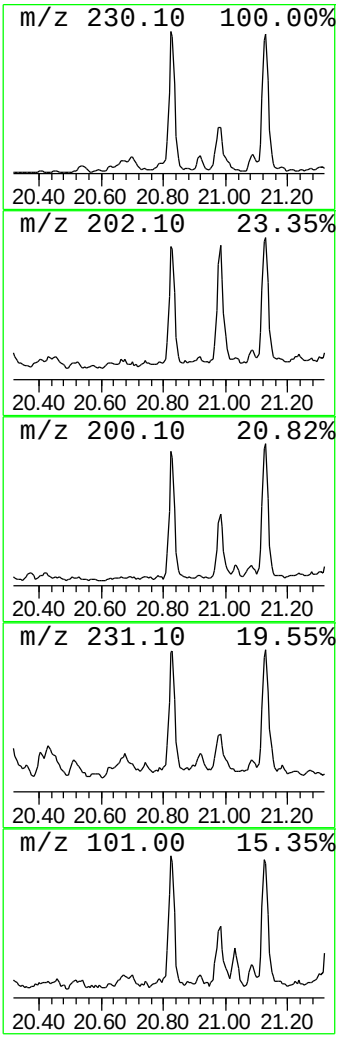
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.76 ng/ul	1182910	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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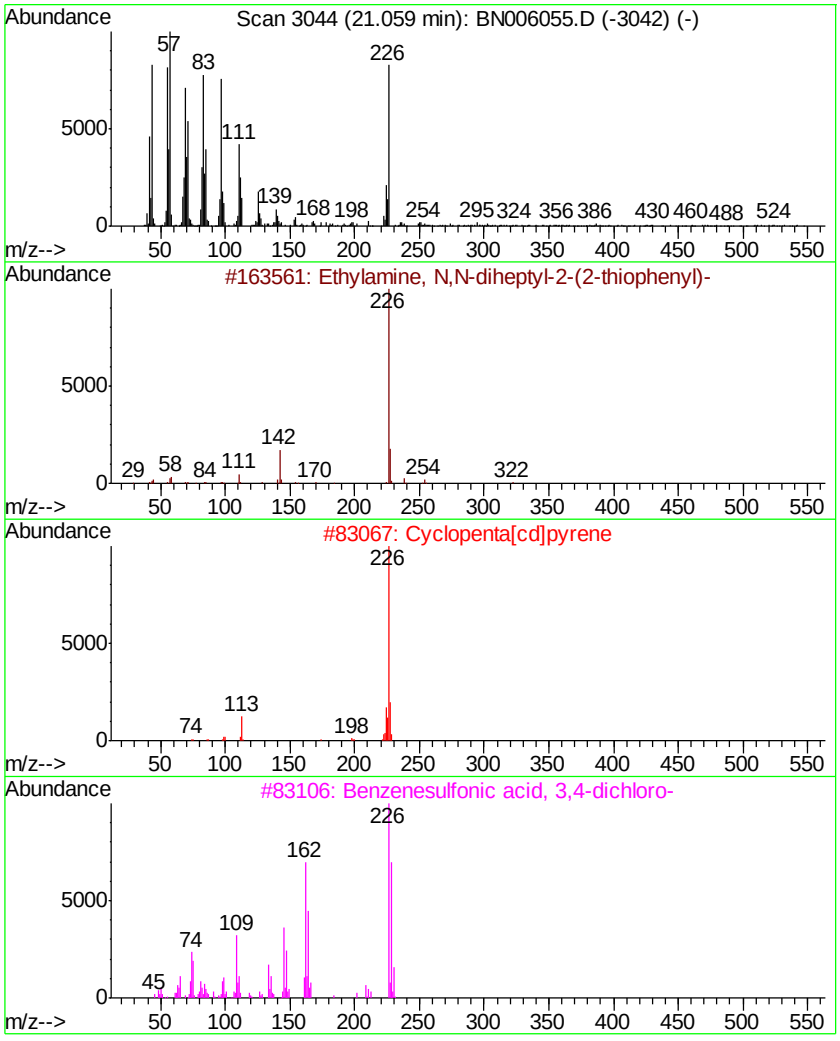
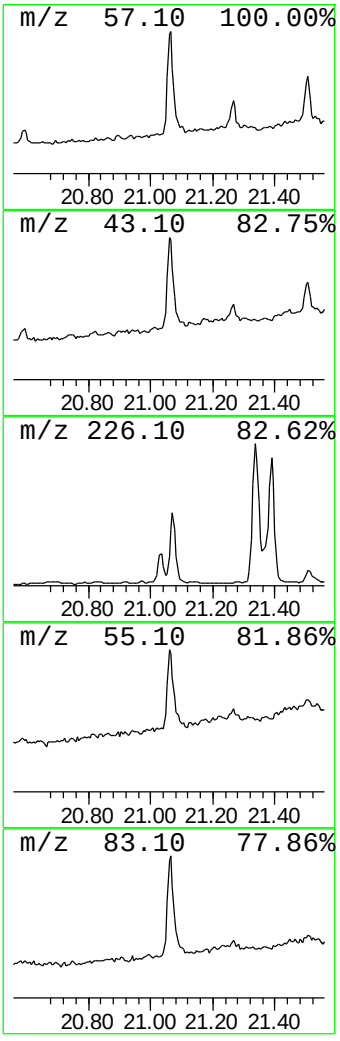
Peak Number 16 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	3.41 ng/ul	1461100	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylamine, N,N-diheptyl-2-(2-th...	323	C20H37NS	1000310-34-6	22
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	22
3	Benzenesulfonic acid, 3,4-dichloro-	226	C6H4Cl2O3S	000939-95-7	16
4	Heptadecafluorononanoic acid, he...	688	C25H33F17O2	1000356-03-2	16
5	Diheptylisobutylamine	269	C18H39N	1000310-32-0	16





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ClientSampleId : A42F3

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

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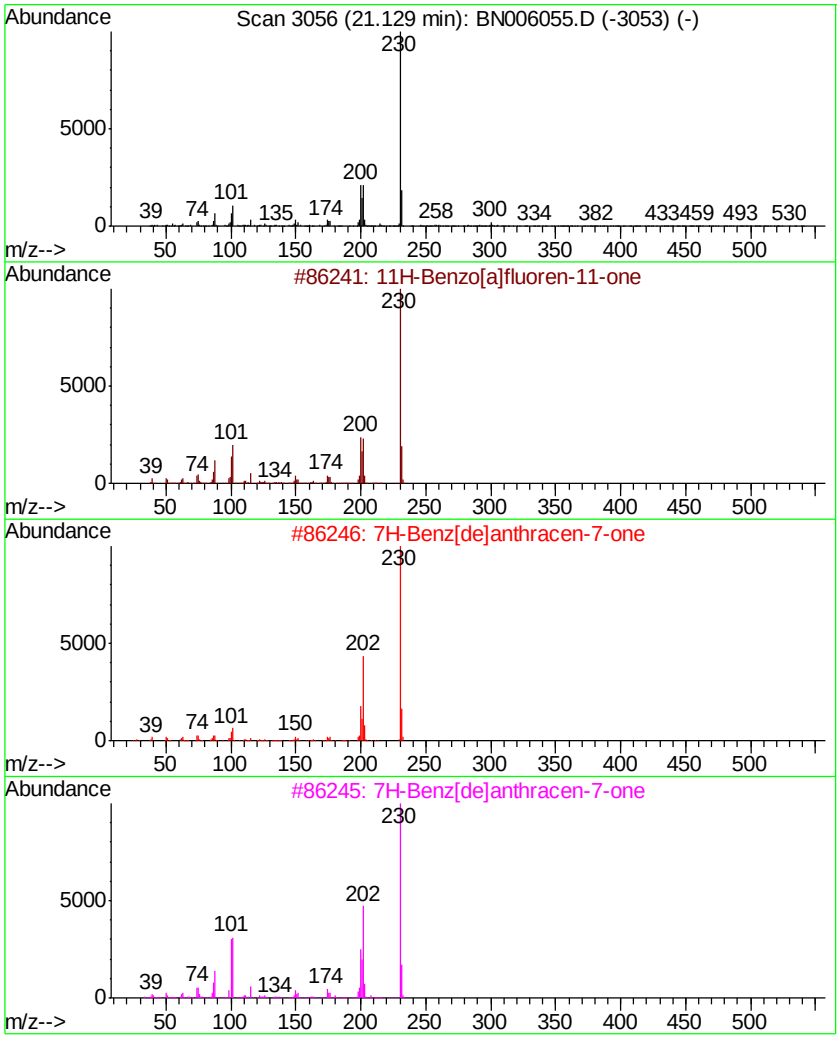
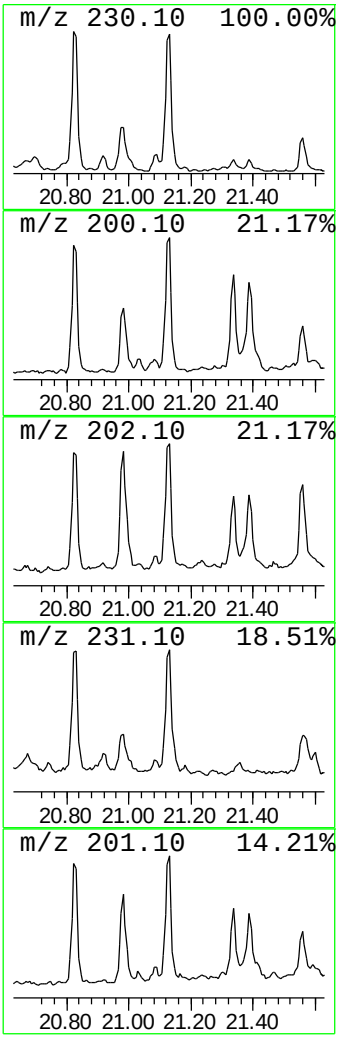
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	2.18 ng/ul	935772	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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

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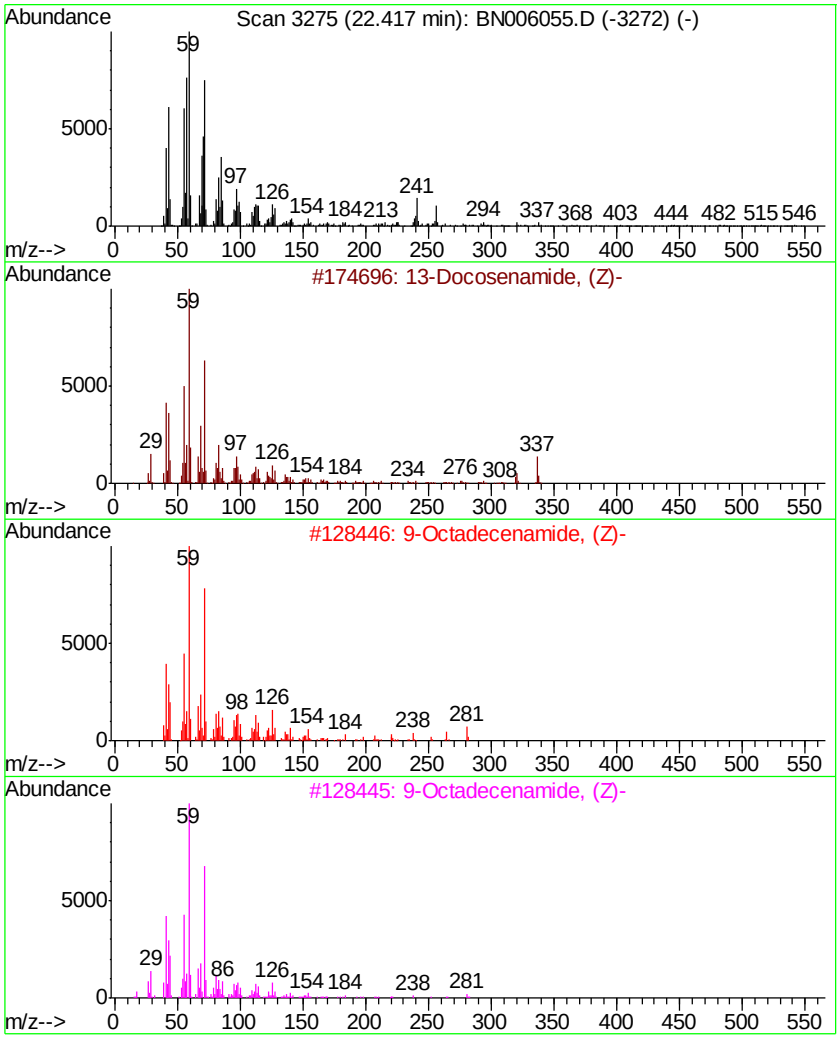
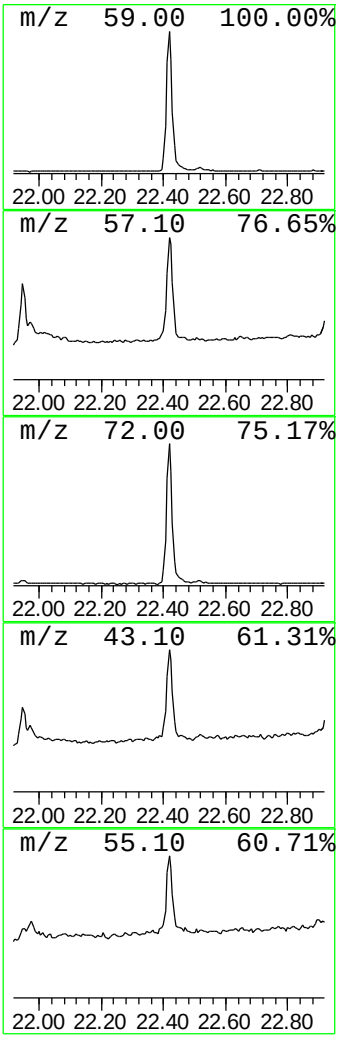
Peak Number 18 13-Docosenamide, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.42	7.09 ng/ul	3040950	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	70
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	58
3	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	58
4	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	58
5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
Data File : BN006055.D
Acq On : 04 Jun 2019 02:57
Operator : JU/SJ
Sample : K2923-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F3

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
[1,1'-Biphenyl]-4...	15.88	2.6	ng/ul	528614	4	17.14	4088330	20.0
9H-Fluoren-9-one	16.79	3.6	ng/ul	732120	4	17.14	4088330	20.0
Dibenzothiophene	16.96	2.7	ng/ul	544722	4	17.14	4088330	20.0
Phenanthrene, 2-m...	18.02	9.0	ng/ul	1842560	4	17.14	4088330	20.0
Phenanthrene, 1-m...	18.06	8.9	ng/ul	1812520	4	17.14	4088330	20.0
Anthracene, 1-met...	18.15	2.3	ng/ul	460865	4	17.14	4088330	20.0
4H-Cyclopenta[def...	18.21	10.3	ng/ul	2097180	4	17.14	4088330	20.0
1H-Cyclopropa[l]p...	18.25	4.1	ng/ul	841093	4	17.14	4088330	20.0
9,10-Bis(bromomet...	18.52	3.9	ng/ul	794782	4	17.14	4088330	20.0
9,10-Anthracenedione	18.56	3.3	ng/ul	669431	4	17.14	4088330	20.0
Phenanthrene, 2,5...	18.94	3.9	ng/ul	802998	4	17.14	4088330	20.0
Cyclopenta(def)ph...	19.09	5.1	ng/ul	1046000	4	17.14	4088330	20.0
Pyrene, 1-methyl-	19.91	3.5	ng/ul	1505640	5	21.35	8579760	20.0
11H-Benzo[b]fluorene	20.07	2.6	ng/ul	1109460	5	21.35	8579760	20.0
7H-Benz[de]anthra...	20.82	2.8	ng/ul	1182910	5	21.35	8579760	20.0
unknown-01	21.06	3.4	ng/ul	1461100	5	21.35	8579760	20.0
11H-Benzo[a]fluor...	21.13	2.2	ng/ul	935772	5	21.35	8579760	20.0
13-Docosenamide, ...	22.42	7.1	ng/ul	3040950	5	21.35	8579760	20.0