LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

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-BN041919MA.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	3.205	35	37	42	rVB	19357	20297	0.43%	0.037%
2	3.693	117	120	126	rVB3	23234	34315	0.73%	0.062%
3	6.775	637	644	657	rVB2	409241	854645	18.10%	1.546%
4	6.928	665	670	679	rBV	319392	516132	10.93%	0.934%
5	7.122	697	703	713	rVB	464758	740486	15.69%	1.340%
6	7.581	775	781	791	rBV	762945	1244052	26.35%	2.251%
7	8.287	895	901	914	rBV	499895	889487	18.84%	1.609%
8	8.728	969	976	984	rBV	428511	744923	15.78%	1.348%
9	9.151	1044	1048	1055	rVB3	10684	18792	0.40%	0.034%
10	9.440	1090	1097	1109	rBV	367056	643670	13.63%	1.164%
11	9.904	1170	1176	1181	rBV6	9361	15276	0.32%	0.028%
12	9.981	1182	1189	1202	rBV	523216	1000885	21.20%	1.811%
13	10.340	1243	1250	1264	rBV	1065987	1790312	37.92%	3.239%
14	10.493	1268	1276	1295	rBV	303654	671421	14.22%	1.215%
15	11.863	1504	1509	1516	rVB4	3752	8242	0.17%	0.015%
16	11.945	1519	1523	1526	rVV2	5859	9280	0.20%	0.017%
17	11.993	1526	1531	1541	rVB4	11817	29376	0.62%	0.053%
18	12.634	1634	1640	1644	rBV4	4463	8880	0.19%	0.016%
19	12.822	1666	1672	1676	rBV4	7070	12259	0.26%	0.022%
20	12.934	1689	1691	1696	rVB5	3243	4742	0.10%	0.009%
21	13.116	1717	1722	1726	rBV4	11258	14720	0.31%	0.027%
22	13.181	1731	1733	1740	rVB6	5374	7577	0.16%	0.014%
23	13.540	1789	1794	1798	rVB5	7316	11531	0.24%	0.021%
24	13.634	1804	1810	1814	rBV	1077970	1491272	31.59%	2.698%
25	13.681	1814	1818	1827	rVB	324294	477402	10.11%	0.864%
26	13.857	1844	1848	1850	rBV4	8711	12284	0.26%	0.022%
27	13.904	1850	1856	1873	rVB	1212984	1884992	39.93%	3.410%
28	14.045	1876	1880	1884	rVB6	19846	24499	0.52%	0.044%
29	14.134	1888	1895	1896	rBV5	9621	17350	0.37%	0.031%
30	14.216	1900	1909	1916	rBV2	1517281	2384469	50.51%	4.314%
31	14.281	1916	1920	1924	rBV	25048	33637	0.71%	0.061%
32	14.457	1943	1950	1960	rBV	211758	495219	10.49%	0.896%
33	14.851	2011	2017	2018	rBV6	13755	22398	0.47%	0.041%
34	14.945	2030	2033	2037	rBV6	8364	11842	0.25%	0.021%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

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-BN041919MA.M
Title : SVOA CALIBRATION

35	15.098	2056	2059	2063	rBV5	10902	16321	0.35%	0.030%
36	15.216	2074	2079	2086	rBV	1492303	2195380	46.50%	3.972%
37	15.275	2086	2089	2094	rVB3	34742	50282	1.07%	0.091%
38	15.369	2099	2105	2114	rBV	170861	311937	6.61%	0.564%
39	15.575	2137	2140	2148	rVB5	21682	43218	0.92%	0.078%
40	15.916	2194	2198	2200	rBV5	14312	23567	0.50%	0.043%
41	15.963	2203	2206	2211	rVB5	58821	85360	1.81%	0.154%
42	16.633	2317	2320	2328	rVB2	59515	93054	1.97%	0.168%
43	16.975	2372	2378	2382	rBV2	1787819	2649378	56.12%	4.793%
44	17.016	2382	2385	2390	rVB	1220549	1539922	32.62%	2.786%
45	17.075	2390	2395	2399	rBV	1430975	2098322	44.45%	3.796%
46	17.386	2444	2448	2452	rVB	125759	159186	3.37%	0.288%
47	17.851	2524	2527	2530	rBV	165065	192373	4.07%	0.348%
48	17.898	2530	2535	2547	rVB2	631574	1044374	22.12%	1.889%
49	18.045	2556	2560	2564	rBV2	197096	319275	6.76%	0.578%
50	18.363	2610	2614	2617	rBV	180657	236887	5.02%	0.429%
51	18.410	2618	2622	2627	rVB	178063	270295	5.73%	0.489%
52	18.786	2682	2686	2691	rBV	140531	220556	4.67%	0.399%
53	18.927	2707	2710	2716	rVB	202994	262598	5.56%	0.475%
54	19.051	2726	2731	2737	rVB	3592083	4720924	100.00%	8.541%
55	19.192	2752	2755	2762	rBV5	244343	438276	9.28%	0.793%
56	19.386	2783	2788	2791	rBV2	1996533	3265428	69.17%	5.907%
57	19.416	2791	2793	2803	rVV	2900252	3608980	76.45%	6.529%
58	19.492	2803	2806	2813	rVB3	162047	302842	6.41%	0.548%
59	19.916	2875	2878	2883	rVB	345604	480856	10.19%	0.870%
60	20.198	2924	2926	2929	rBV2	203308	237711	5.04%	0.430%
61	20.680	3004	3008	3014	rVB	507162	721485	15.28%	1.305%
62	20.986	3057	3060	3065	rVB	399695	566448	12.00%	1.025%
63	21.198	3091	3096	3100	rBV3	2104684	4223896	89.47%	7.641%
64	21.239	3100	3103	3110	rVB	1610483	2291735	48.54%	4.146%
65	22.757	3357	3361	3366	rBV2	1206714	2307197	48.87%	4.174%
66	23.274	3445	3449	3452	rBV2	717758	1169520	24.77%	2.116%
67	23.315	3453	3456	3463	rVB	977439	1472082	31.18%	2.663%
68	23.410	3468	3472	3477	rVB	867348	1509650	31.98%	2.731%

Sum of corrected areas: 55275979

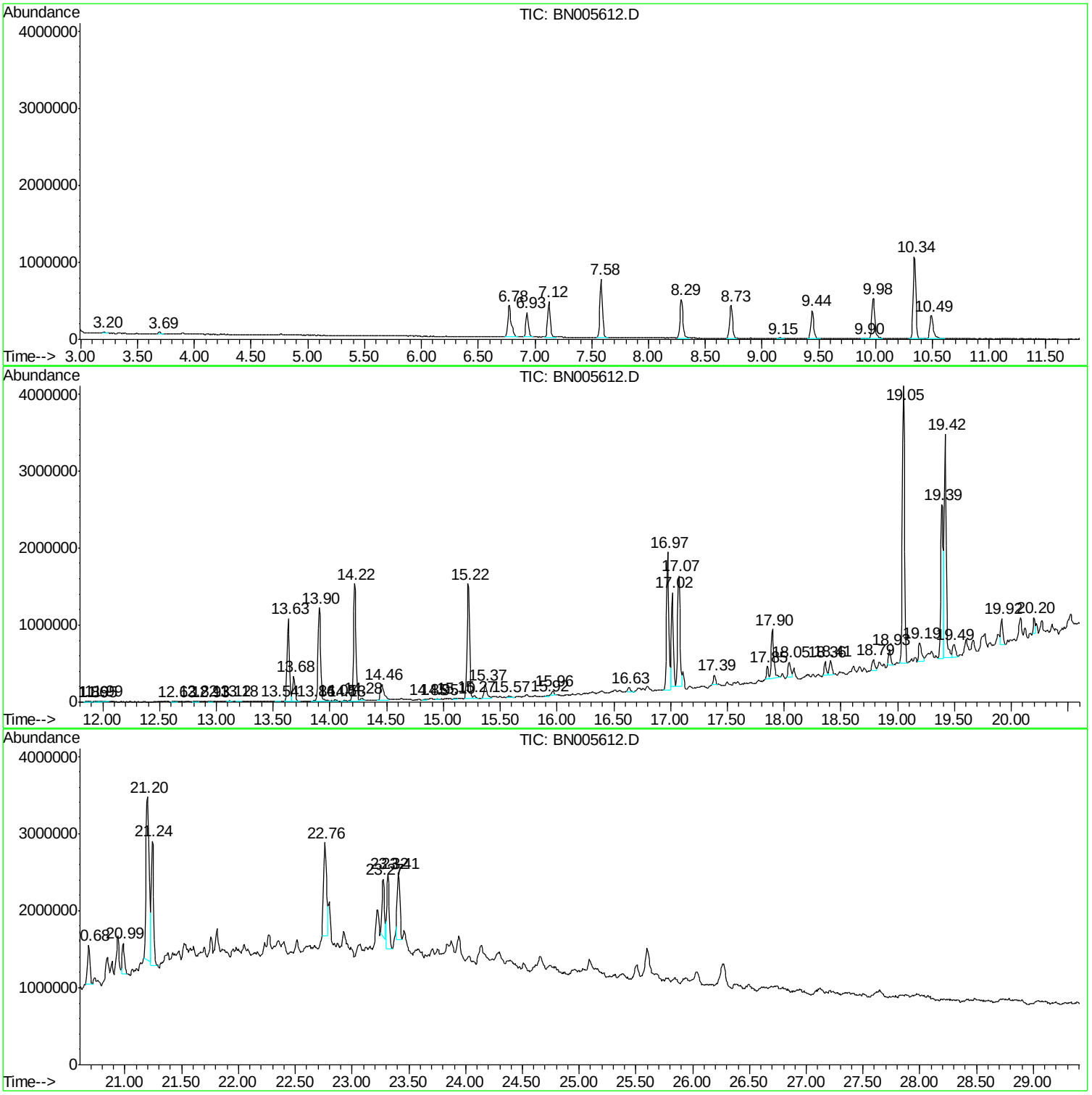
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
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Misc :
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Instrument : BNA_N
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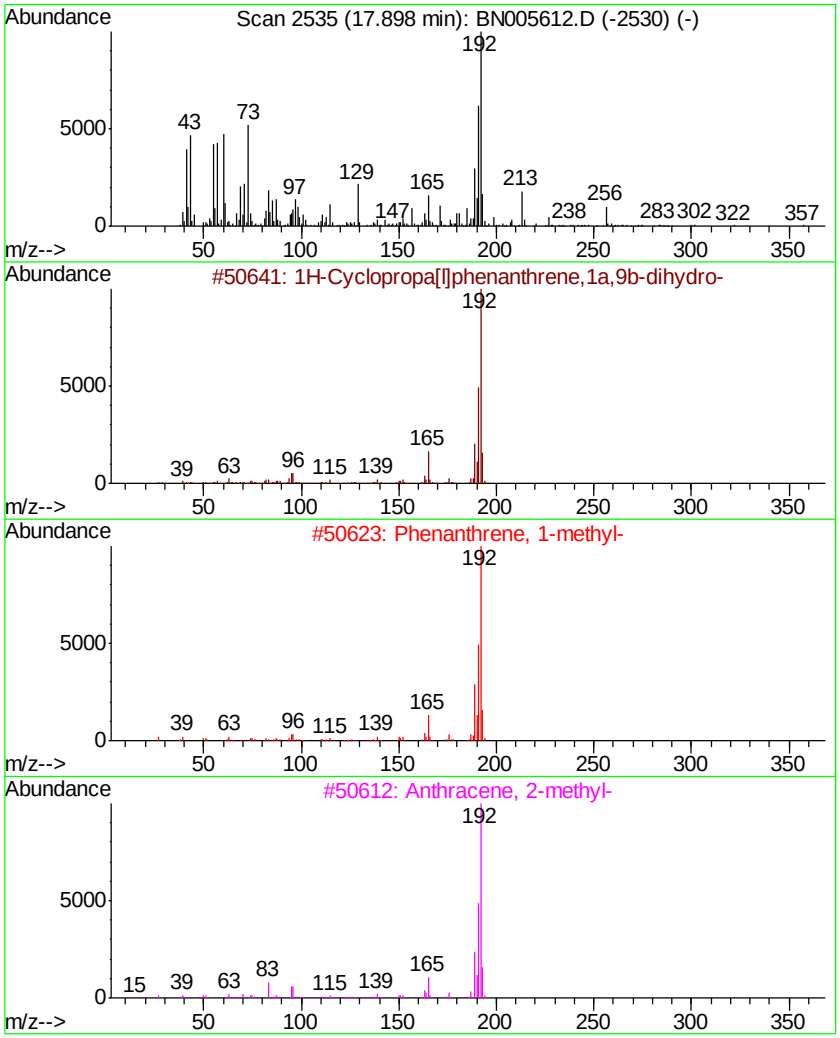
Quant Title : SVOA CALIBRATION

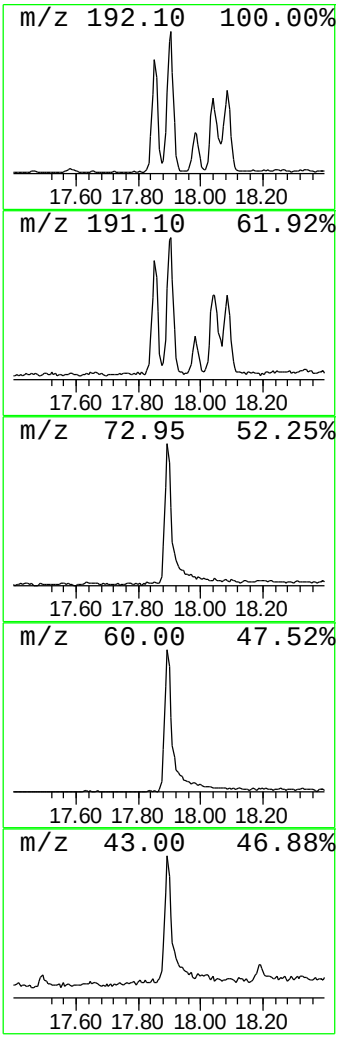
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	7.88 ng/ul	1044370	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

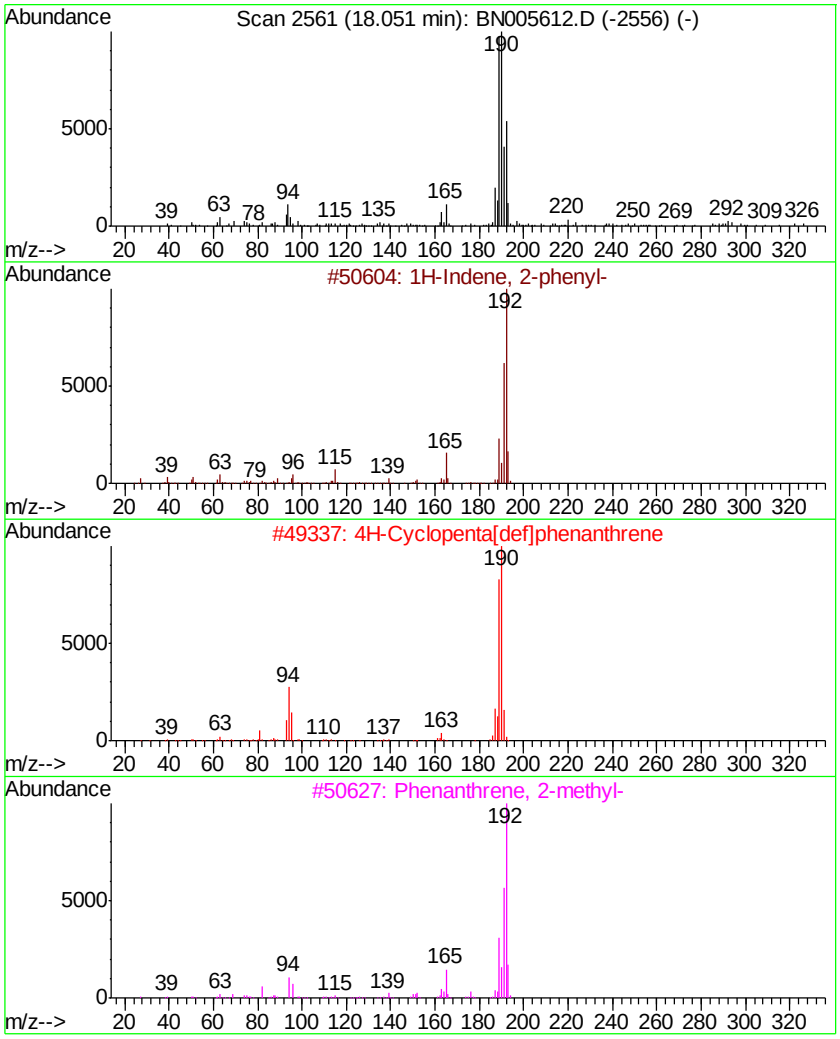
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

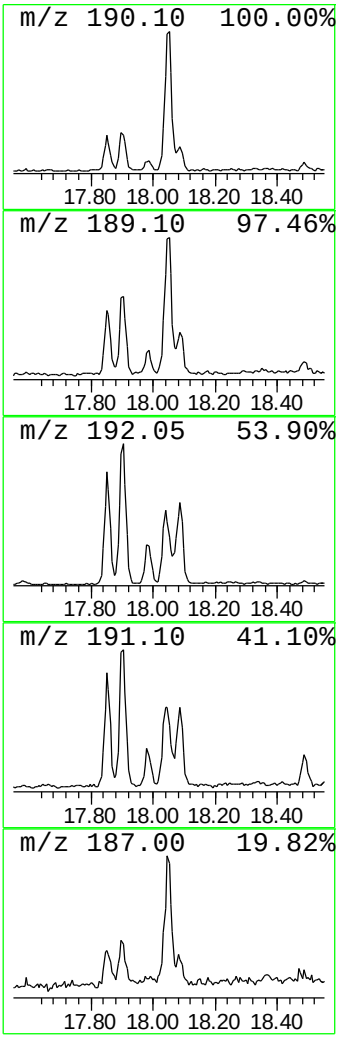
****

Peak Number 2 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.41 ng/ul	319275	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
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Sample : K2613-17
Misc :
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Instrument : BNA_N
ClientSampleId : BFH46

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Quant Title : SVOA CALIBRATION

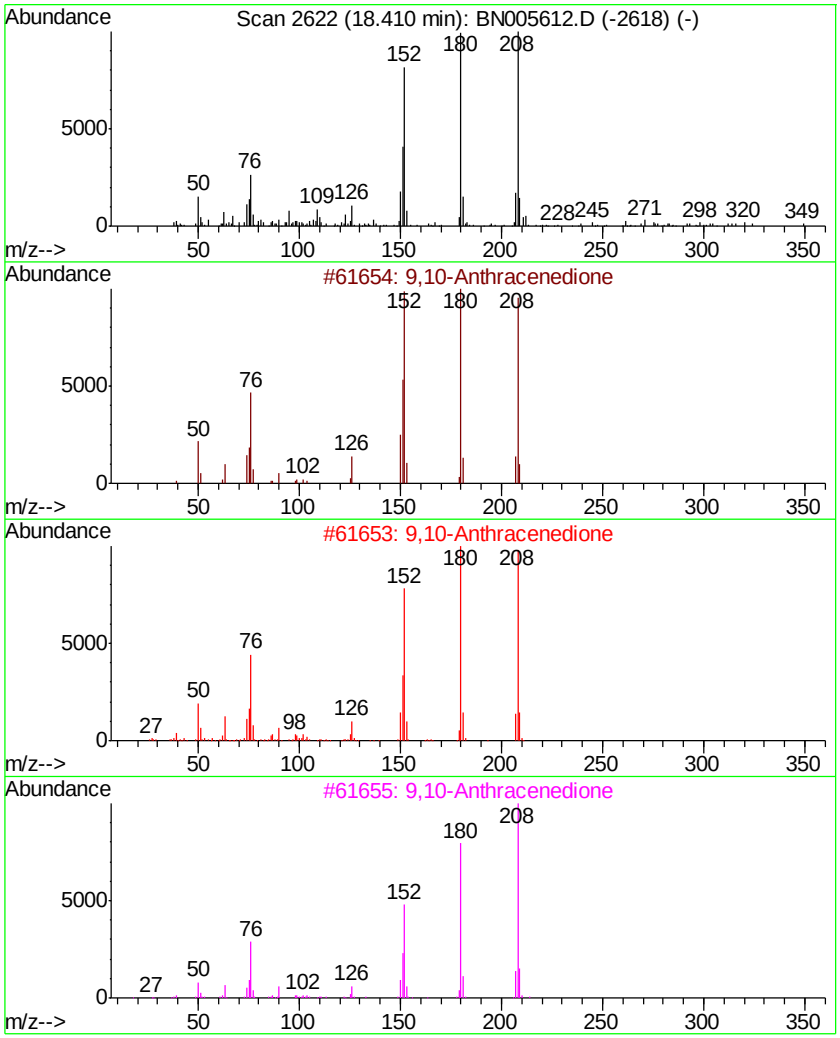
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

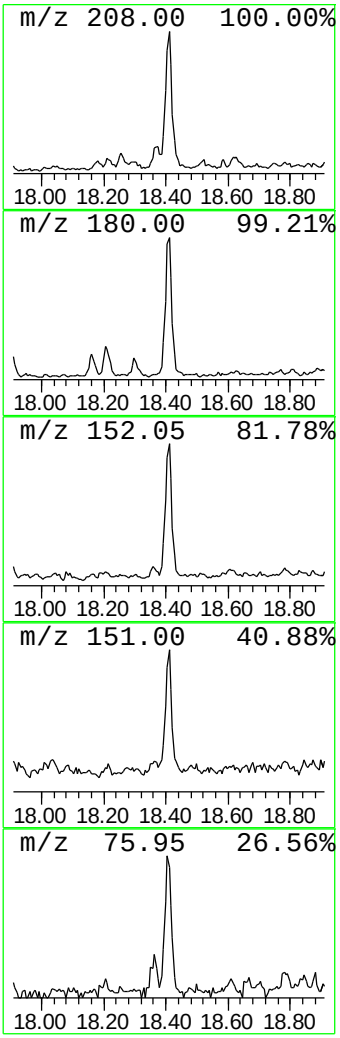
****

Peak Number 3 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.04 ng/ul	270295	Phenanthrene-d10	16.97

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
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Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

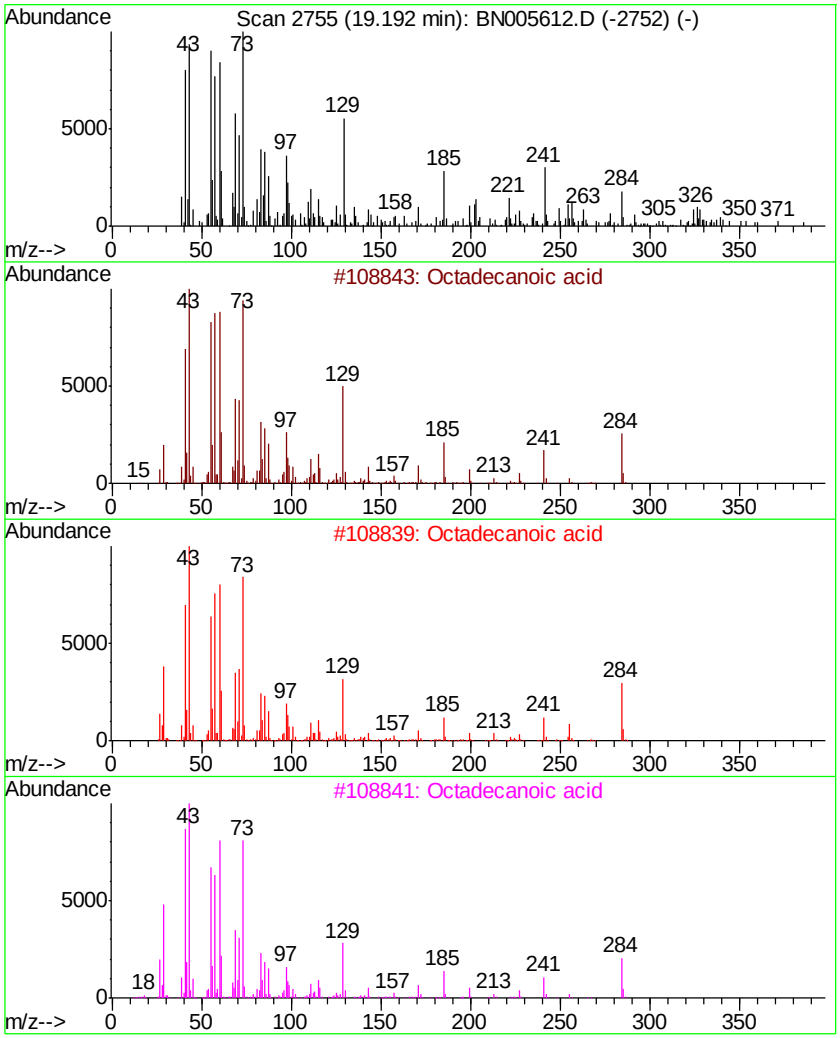
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

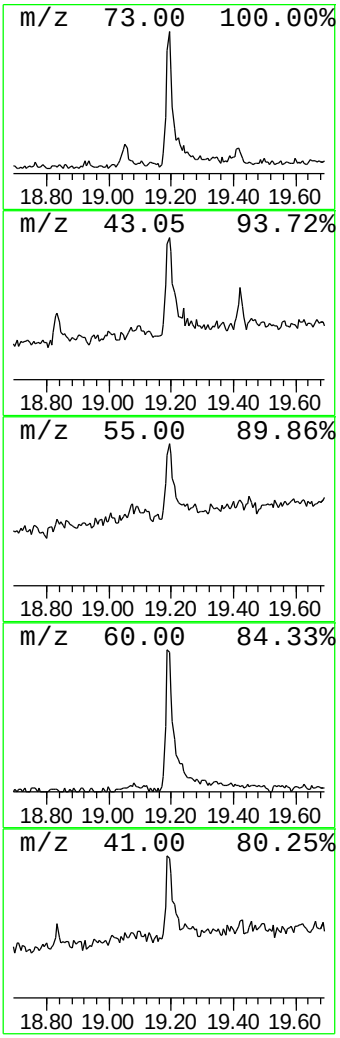
****

Peak Number 4 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	2.08 ng/ul	438276	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	92
4	Octadecanoic acid	284	C18H36O2	000057-11-4	91
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

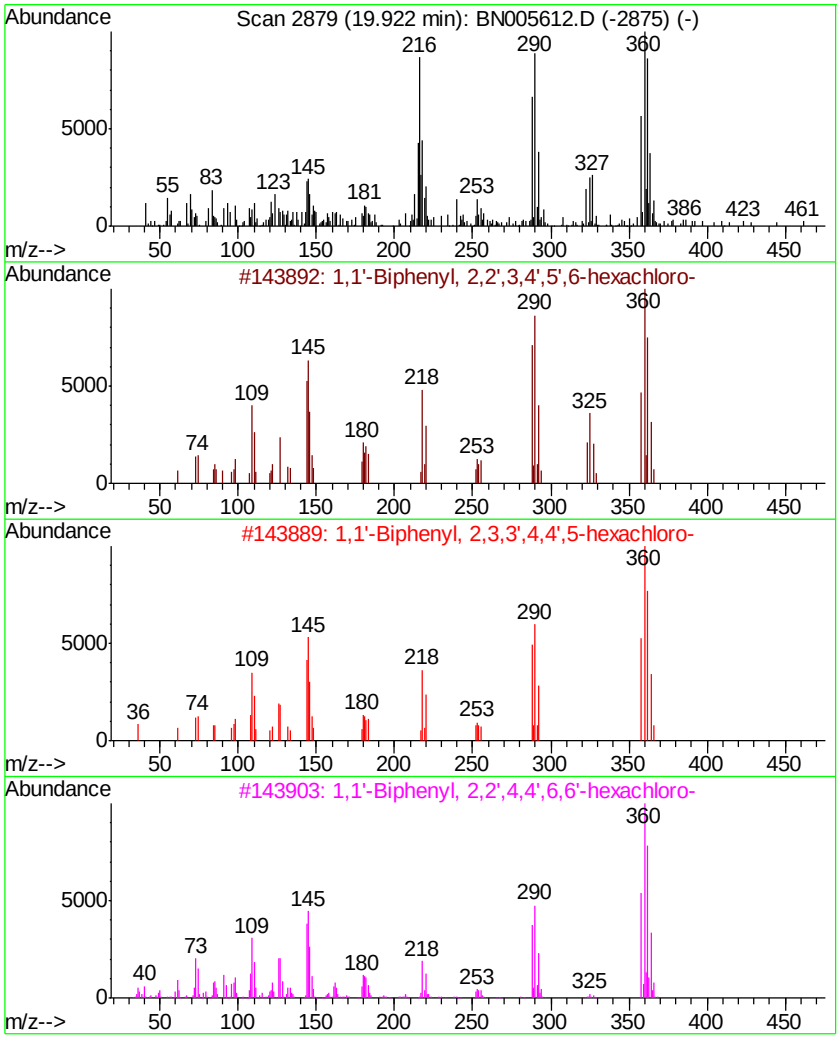
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

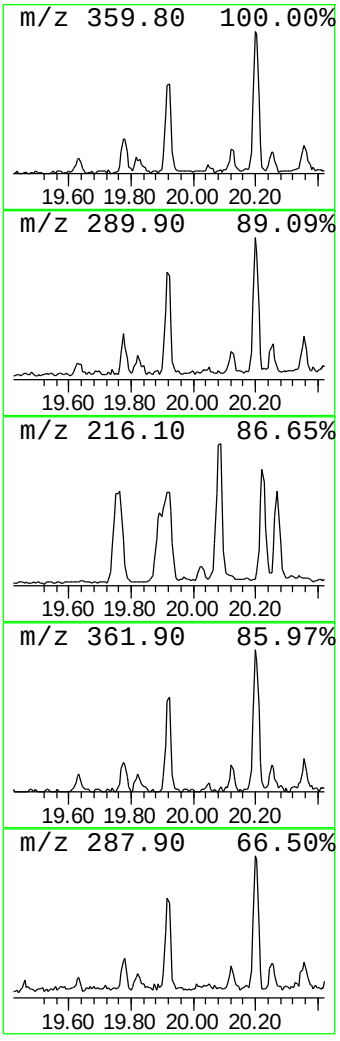
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.28 ng/ul	480856	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	95
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	94
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	94
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	90
5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	86





Library Search Compound Report

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ClientSampleId : BFH46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

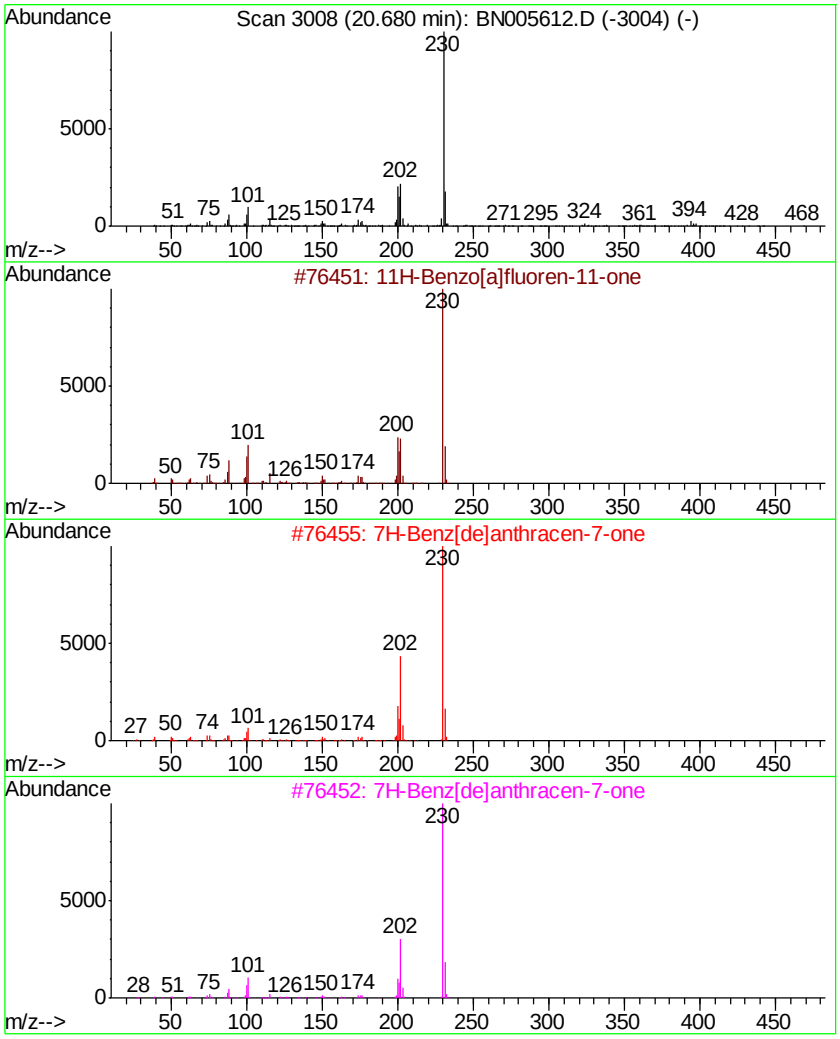
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

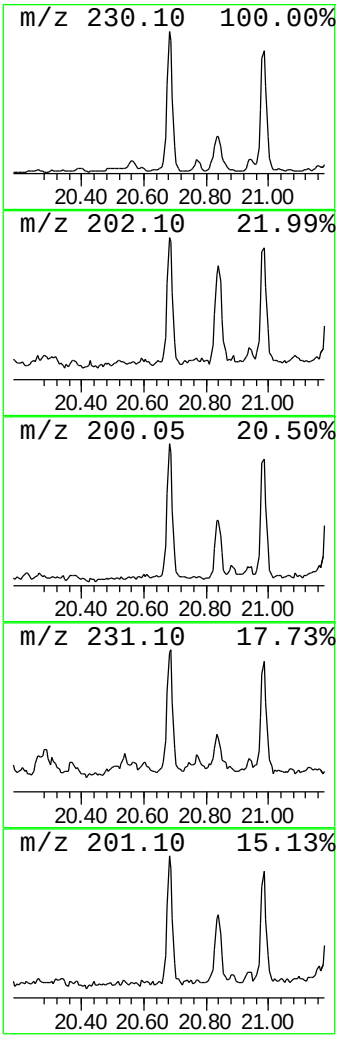
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	3.42 ng/ul	721485	Chrysene-d12	21.20

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	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	56
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

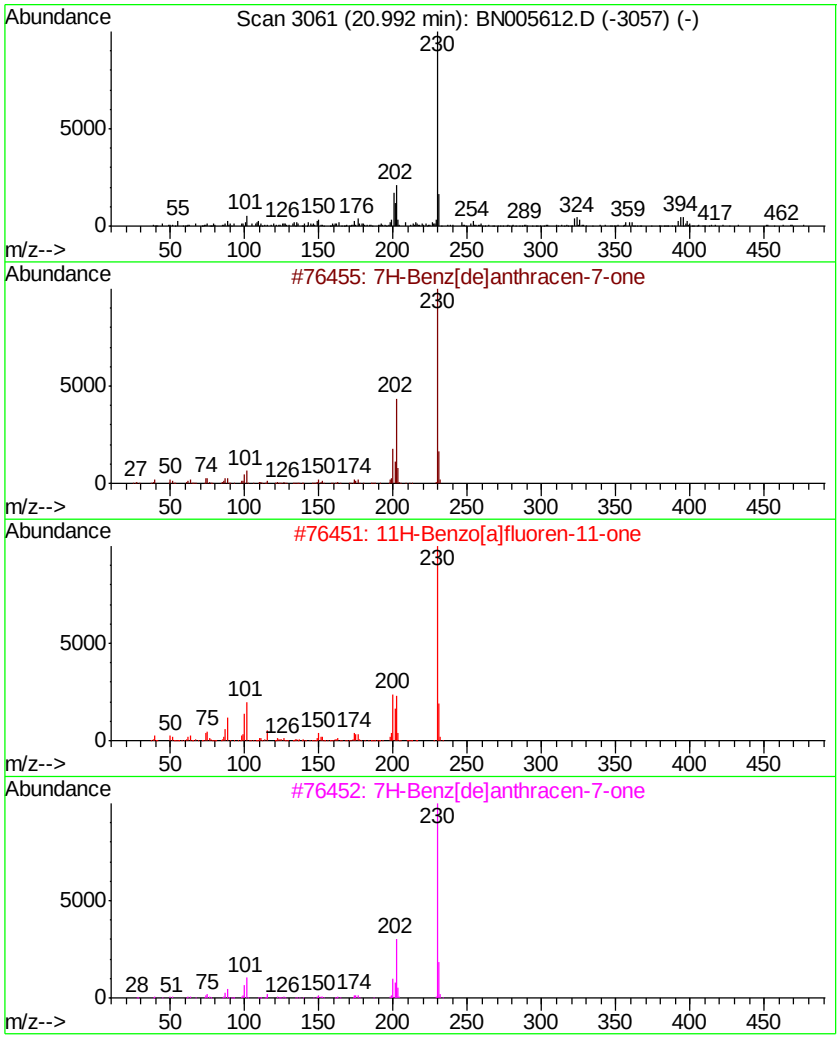
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

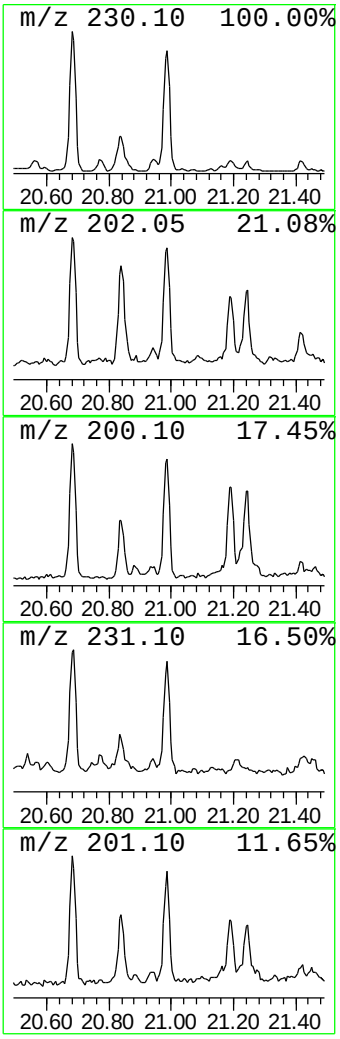
****

Peak Number 7 7H-Benz[de]anthracen-7-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.68 ng/ul	566448	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051019\
Data File : BN005612.D
Acq On : 11 May 2019 05:29
Operator : JU/SJ
Sample : K2613-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFH46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1H-Cyclopropa[l]p...	17.90	7.9	ng/ul	1044370	4	16.97	2649380	20.0
1H-Indene, 2-phenyl-	18.05	2.4	ng/ul	319275	4	16.97	2649380	20.0
9,10-Anthracenedione	18.41	2.0	ng/ul	270295	4	16.97	2649380	20.0
Octadecanoic acid	19.19	2.1	ng/ul	438276	5	21.20	4223900	20.0
1,1'-Biphenyl, 2,...	19.92	2.3	ng/ul	480856	5	21.20	4223900	20.0
11H-Benzo[a]fluor...	20.68	3.4	ng/ul	721485	5	21.20	4223900	20.0
7H-Benz[de]anthra...	20.99	2.7	ng/ul	566448	5	21.20	4223900	20.0