LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.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	6.987	641	646	659	rVB2	314501	602210	16.95%	1.158%
2	7.158	669	675	686	rVB	266433	444731	12.51%	0.855%
3	7.358	703	709	720	rVB	339553	559335	15.74%	1.076%
4	7.822	782	788	796	rBV	713448	1143966	32.19%	2.200%
5	8.528	901	908	920	rBV	307912	522743	14.71%	1.005%
6	8.975	978	984	994	rVB	300858	522465	14.70%	1.005%
7	9.699	1101	1107	1119	rVB	220648	382405	10.76%	0.735%
8	10.240	1192	1199	1211	rBV	367809	636039	17.90%	1.223%
9	10.616	1254	1263	1270	rBV	900362	1543078	43.42%	2.968%
10	10.752	1279	1286	1300	rBV	299886	552243	15.54%	1.062%
11	13.640	1769	1777	1785	rBV2	83713	214194	6.03%	0.412%
12	13.793	1796	1803	1808	rVV	166153	293663	8.26%	0.565%
13	13.846	1808	1812	1813	rVV	102251	134632	3.79%	0.259%
14	13.875	1813	1817	1822	rVV	656095	948374	26.69%	1.824%
15	13.922	1822	1825	1835	rVB	124536	177893	5.01%	0.342%
16	14.028	1835	1843	1846	rBV	80866	128103	3.60%	0.246%
17	14.163	1859	1866	1884	rVB2	853048	1516580	42.67%	2.917%
18	14.469	1908	1918	1925	rBV2	1245776	1922126	54.09%	3.697%
19	14.534	1925	1929	1937	rVV	99428	173555	4.88%	0.334%
20	14.681	1948	1954	1963	rBV3	164120	379971	10.69%	0.731%
21	14.769	1963	1969	1974	rVV4	31112	67373	1.90%	0.130%
22	14.875	1974	1987	1994	rVV4	112279	281931	7.93%	0.542%
23	14.951	1994	2000	2004	rVB	94550	140957	3.97%	0.271%
24	15.093	2017	2024	2029	rBV	91986	168199	4.73%	0.323%
25	15.145	2029	2033	2038	rVB	61687	86248	2.43%	0.166%
26	15.269	2046	2054	2056	rBV	58184	120691	3.40%	0.232%
27	15.469	2083	2088	2093	rVB	998589	1417063	39.87%	2.725%
28	15.522	2093	2097	2102	rVV2	107230	151611	4.27%	0.292%
29	15.593	2105	2109	2115	rBV2	98323	153087	4.31%	0.294%
30	15.822	2142	2148	2157	rVB2	79215	172130	4.84%	0.331%
31	15.969	2165	2173	2181	rVB2	68204	159141	4.48%	0.306%
32	16.051	2181	2187	2197	rVB4	24803	67261	1.89%	0.129%
33	16.204	2209	2213	2220	rVB3	53828	94830	2.67%	0.182%
34	16.534	2262	2269	2274	rVV2	54000	122136	3.44%	0.235%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Title : SVOA CALIBRATION

35	16.587	2274	2278	2283	rVB3	49075	75507	2.12%	0.145%
36	16.769	2300	2309	2312	rBV4	49841	113305	3.19%	0.218%
37	16.887	2324	2329	2336	rVV	127957	216419	6.09%	0.416%
38	16.963	2338	2342	2348	rVV2	40843	94059	2.65%	0.181%
39	17.051	2352	2357	2367	rVB	168731	268931	7.57%	0.517%
40	17.234	2382	2388	2391	rBV	1371565	1991621	56.04%	3.830%
41	17.275	2391	2395	2400	rVV	1398807	2000078	56.28%	3.847%
42	17.334	2400	2405	2408	rVV	1006911	1520545	42.79%	2.924%
43	17.363	2408	2410	2416	rVV	249016	342971	9.65%	0.660%
44	17.422	2416	2420	2427	rVV6	42708	99283	2.79%	0.191%
45	17.551	2438	2442	2448	rVB2	52174	86025	2.42%	0.165%
46	17.816	2482	2487	2495	rVB	244902	358489	10.09%	0.689%
47	17.957	2506	2511	2517	rVB	136034	244548	6.88%	0.470%
48	18.028	2518	2523	2527	rBV	77928	115998	3.26%	0.223%
49	18.104	2530	2536	2540	rVV	353389	571998	16.10%	1.100%
50	18.151	2540	2544	2550	rVB	440267	610934	17.19%	1.175%
51	18.228	2552	2557	2562	rBV	98572	144071	4.05%	0.277%
52	18.287	2562	2567	2571	rBV3	402422	707545	19.91%	1.361%
53	18.328	2571	2574	2581	rVB	286317	378638	10.65%	0.728%
54	18.486	2597	2601	2605	rVB2	95183	135703	3.82%	0.261%
55	18.586	2613	2618	2622	rBV2	232337	341286	9.60%	0.656%
56	18.634	2622	2626	2636	rVB2	146238	310562	8.74%	0.597%
57	18.734	2636	2643	2644	rBV3	50804	82162	2.31%	0.158%
58	18.798	2650	2654	2657	rBV2	102233	159387	4.48%	0.307%
59	18.828	2657	2659	2663	rVV2	100201	140048	3.94%	0.269%
60	18.875	2663	2667	2670	rVV2	132962	207848	5.85%	0.400%
61	18.910	2670	2673	2677	rVB3	97658	136619	3.84%	0.263%
62	18.992	2682	2687	2691	rBV	297067	448023	12.61%	0.862%
63	19.045	2691	2696	2700	rVV4	102467	205618	5.79%	0.395%
64	19.081	2700	2702	2706	rVB	101419	111081	3.13%	0.214%
65	19.128	2706	2710	2716	rBV	220289	384148	10.81%	0.739%
66	19.245	2725	2730	2737	rVB	1608069	2109370	59.35%	4.057%
67	19.310	2737	2741	2744	rBV3	89645	135149	3.80%	0.260%
68	19.345	2744	2747	2751	rVB	82661	97920	2.76%	0.188%
69	19.392	2751	2755	2759	rBV2	150887	213345	6.00%	0.410%
70	19.486	2766	2771	2774	rBV	174209	230139	6.48%	0.443%
71	19.575	2780	2786	2788	rBV2	1506725	2153536	60.60%	4.142%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Title : SVOA CALIBRATION

72	19.598	2788	2790	2798	rVB	1539940	2032038	57.18%	3.908%
73	19.675	2799	2803	2809	rVB2	130966	213695	6.01%	0.411%
74	19.769	2815	2819	2826	rBV2	65017	139482	3.92%	0.268%
75	19.828	2826	2829	2838	rVB3	85484	139972	3.94%	0.269%
76	19.916	2839	2844	2855	rBV5	173484	478873	13.47%	0.921%
77	20.004	2855	2859	2863	rBV2	81871	126368	3.56%	0.243%
78	20.051	2863	2867	2869	rBV4	134050	208852	5.88%	0.402%
79	20.151	2881	2884	2887	rBV2	62811	82282	2.32%	0.158%
80	20.239	2894	2899	2903	rBV2	216890	306338	8.62%	0.589%
81	20.375	2918	2922	2926	rBV	184940	232214	6.53%	0.447%
82	20.422	2926	2930	2934	rVB	169349	208771	5.87%	0.402%
83	20.628	2962	2965	2968	rBV5	44742	66959	1.88%	0.129%
84	20.733	2980	2983	2986	rBV3	53505	67287	1.89%	0.129%
85	20.816	2993	2997	3003	rVB	267009	349386	9.83%	0.672%
86	20.980	3018	3025	3028	rBV3	289900	508823	14.32%	0.979%
87	21.016	3028	3031	3034	rVV	139985	177359	4.99%	0.341%
88	21.057	3034	3038	3042	rVV2	131097	229044	6.44%	0.441%
89	21.104	3042	3046	3053	rVB2	186405	326716	9.19%	0.628%
90	21.328	3077	3084	3087	rBV2	2046214	3553835	100.00%	6.835%
91	21.363	3087	3090	3099	rVB	697647	950596	26.75%	1.828%
92	21.445	3100	3104	3108	rBV2	131084	196619	5.53%	0.378%
93	21.539	3117	3120	3129	rBV7	86275	196772	5.54%	0.378%
94	21.698	3144	3147	3157	rVB2	109071	210807	5.93%	0.405%
95	22.969	3358	3363	3376	rBV2	509961	1503542	42.31%	2.892%
96	23.151	3391	3394	3403	rVB	107345	180869	5.09%	0.348%
97	23.480	3445	3450	3453	rBV	250340	445950	12.55%	0.858%
98	23.533	3453	3459	3463	rVV	970472	1891740	53.23%	3.638%
99	23.580	3464	3467	3476	rVB	522151	913537	25.71%	1.757%
100	23.686	3478	3485	3491	rBV2	1241098	2512094	70.69%	4.831%

Sum of corrected areas: 51994693

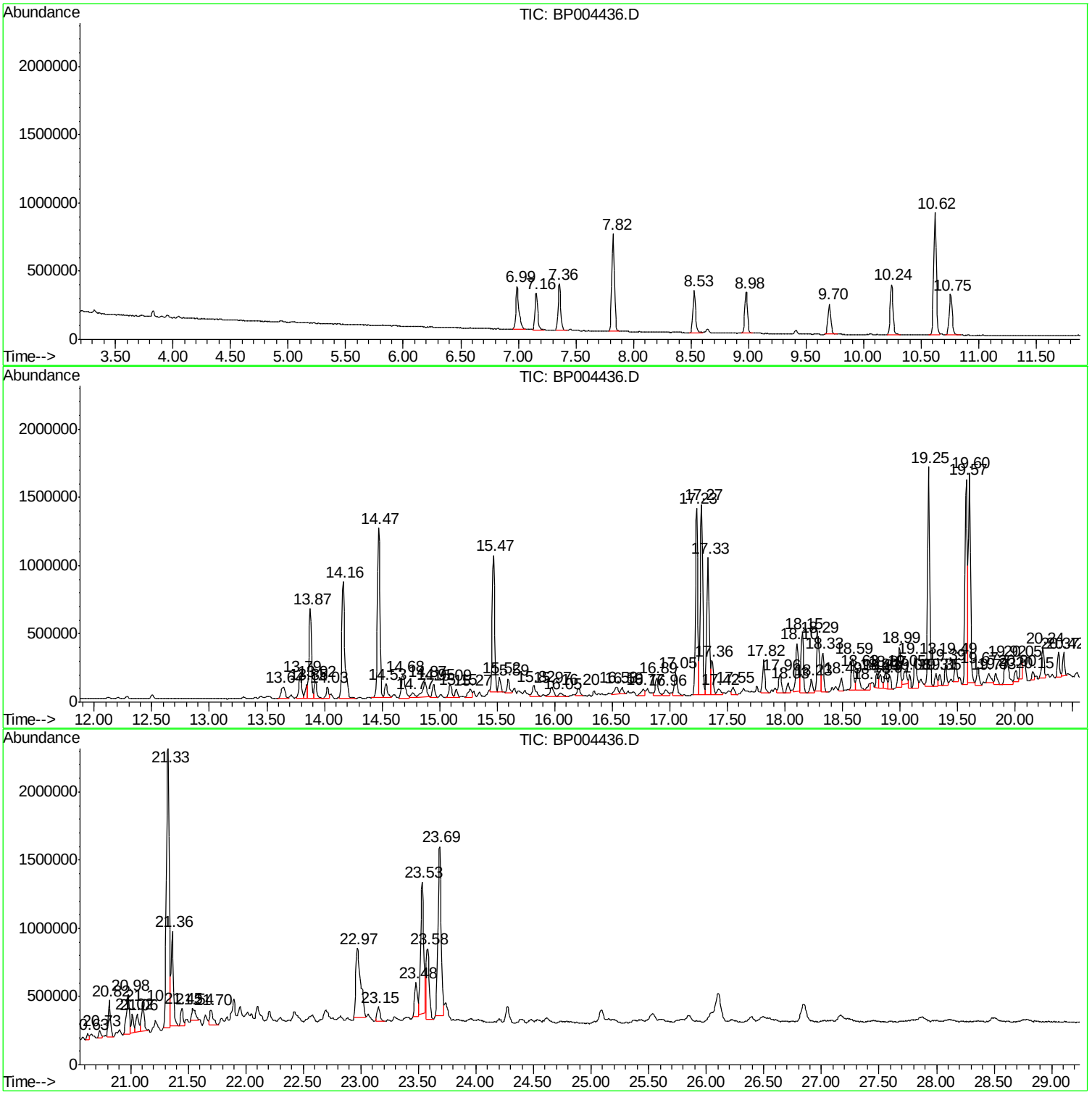
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.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 P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

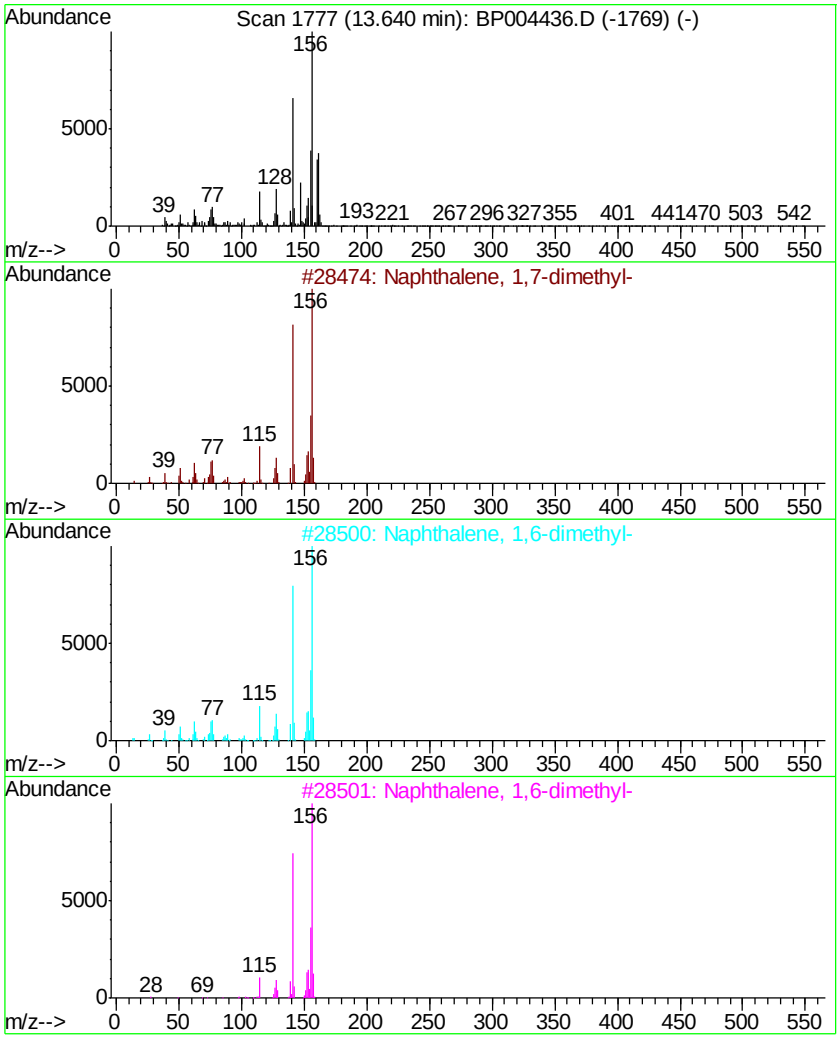
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

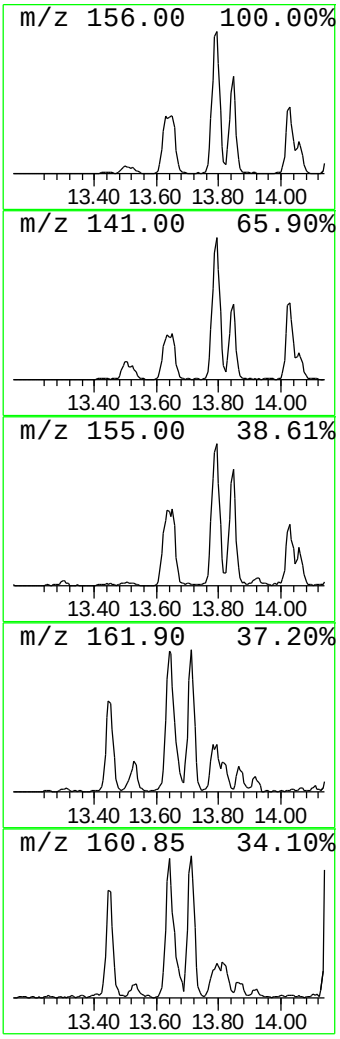
****

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.23 ng/ul	214194	Acenaphthene-d10	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

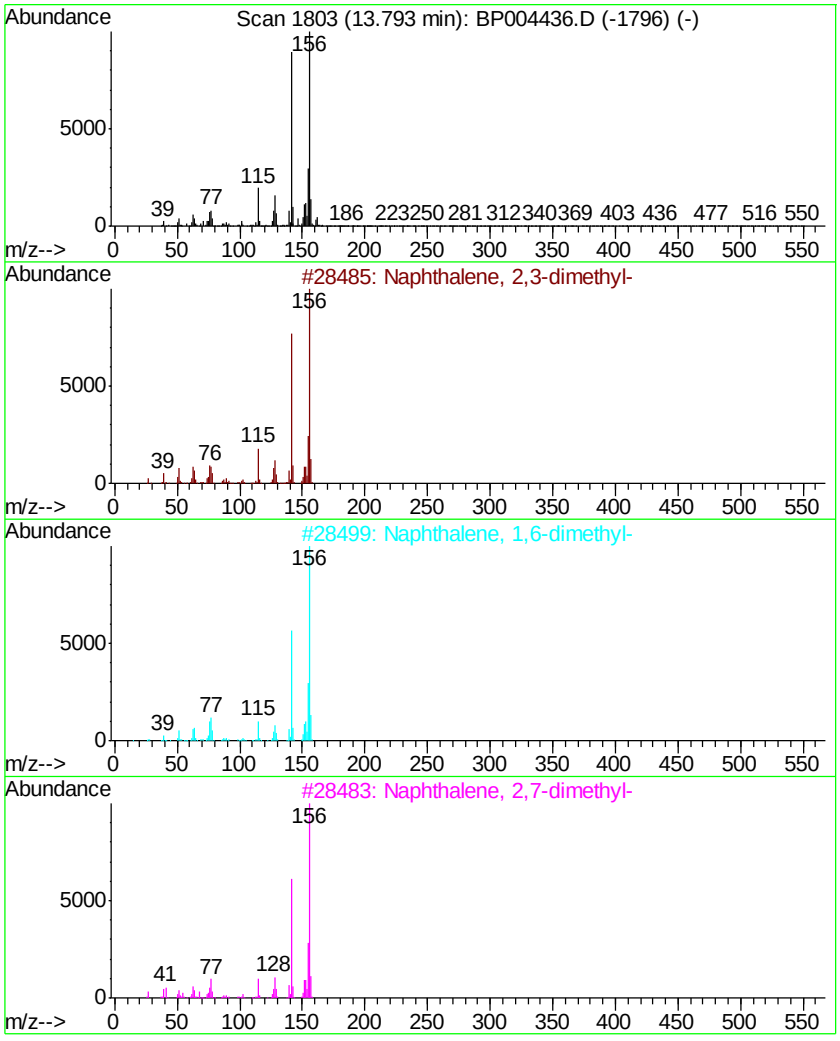
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

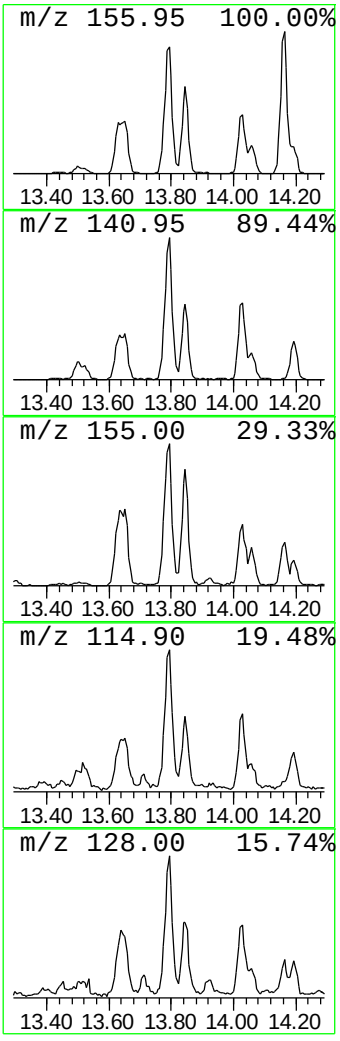
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.06 ng/ul	293663	Acenaphthene-d10	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

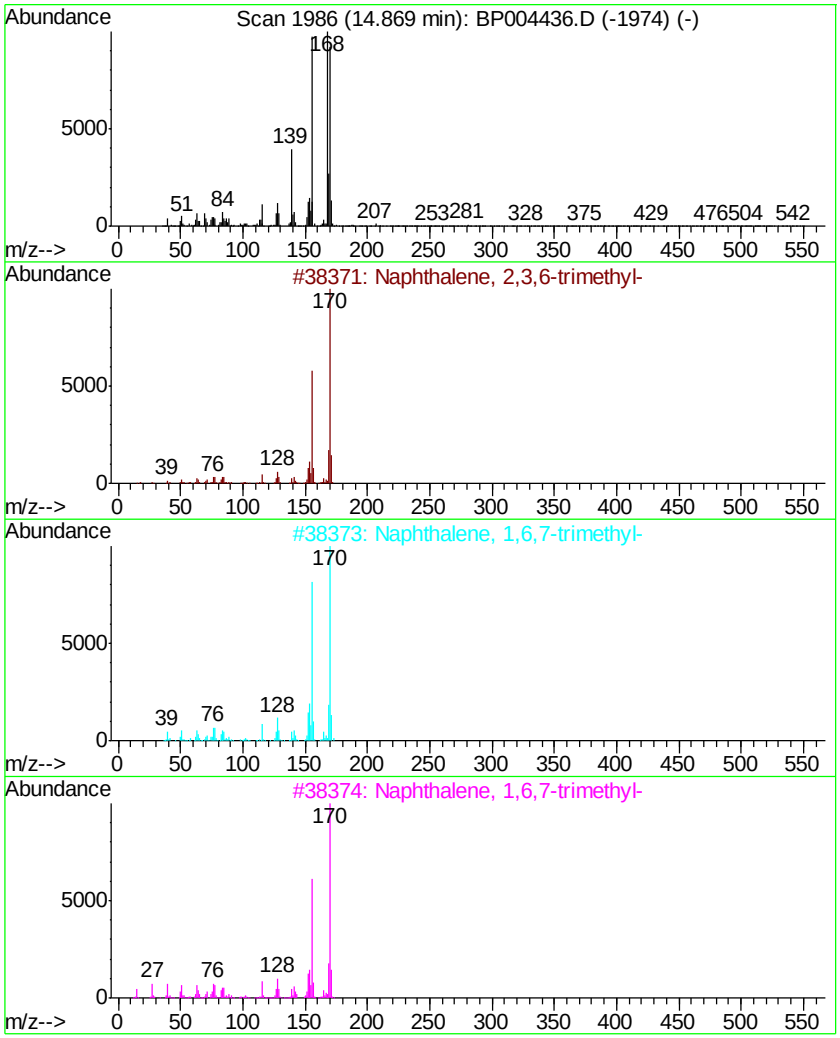
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

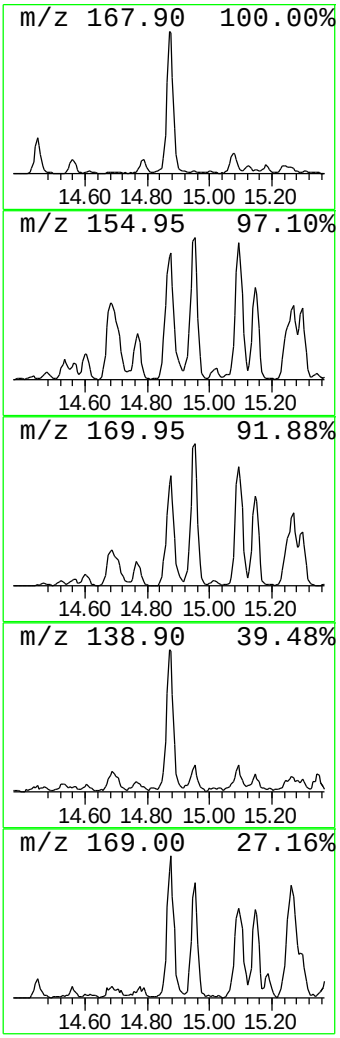
****

Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	2.93 ng/ul	281931	Acenaphthene-d10	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

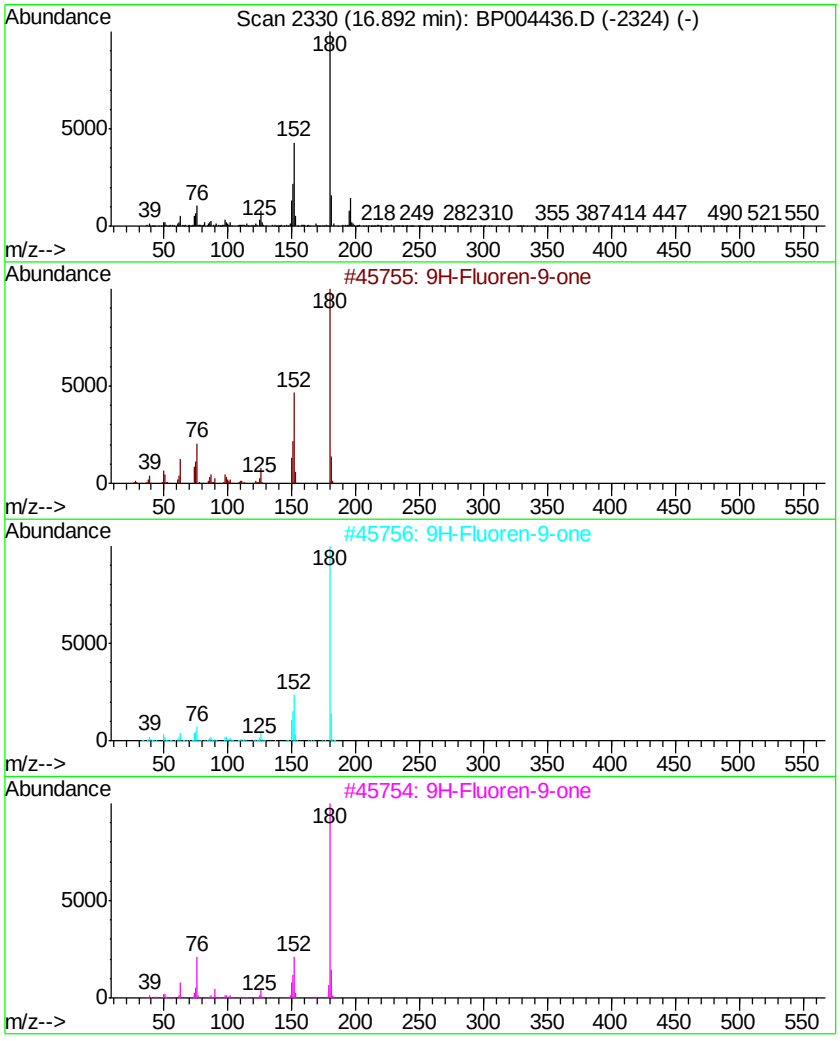
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

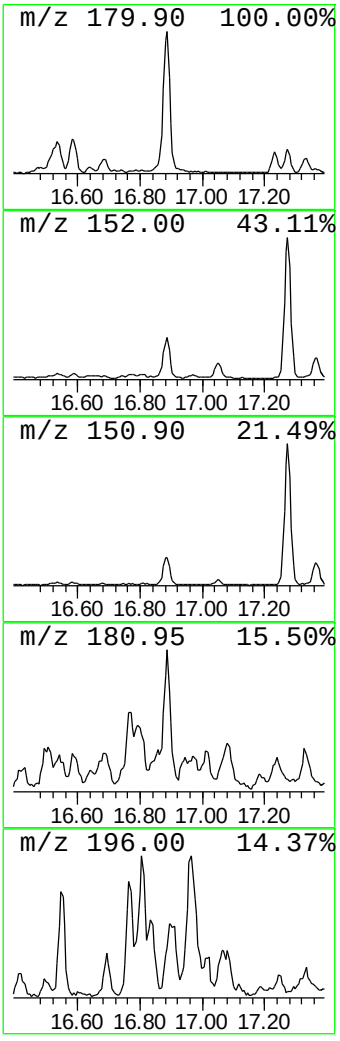
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.17 ng/ul	216419	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

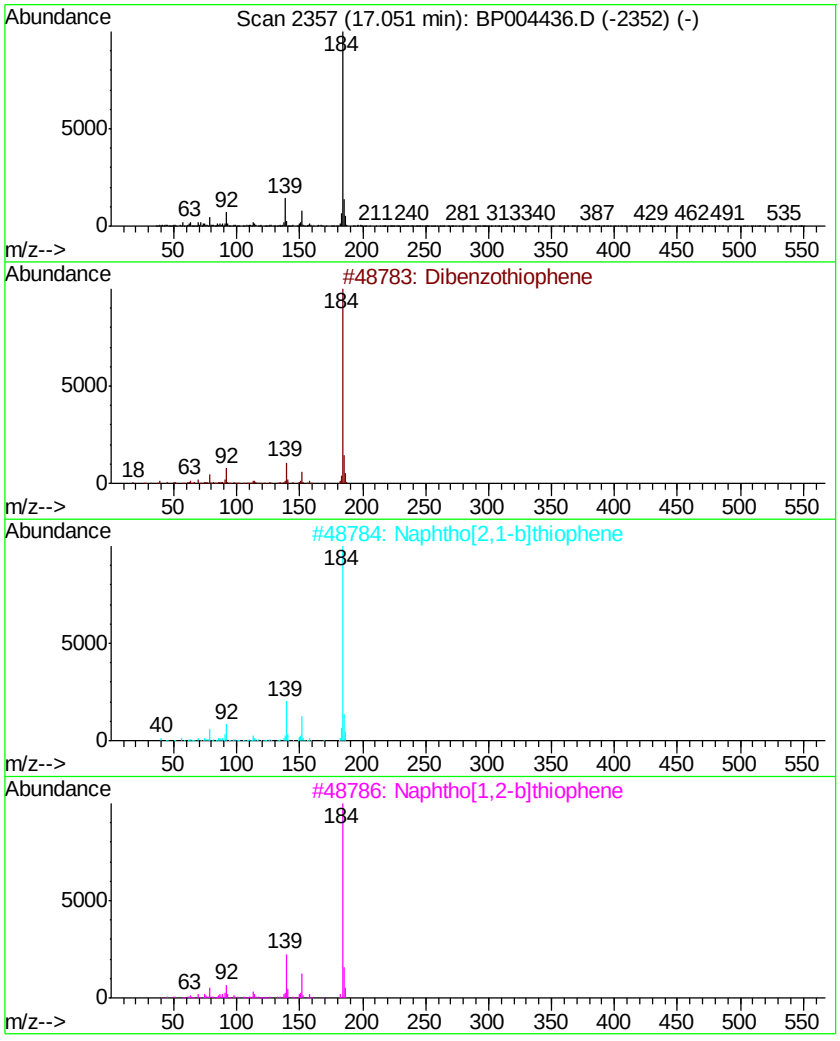
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

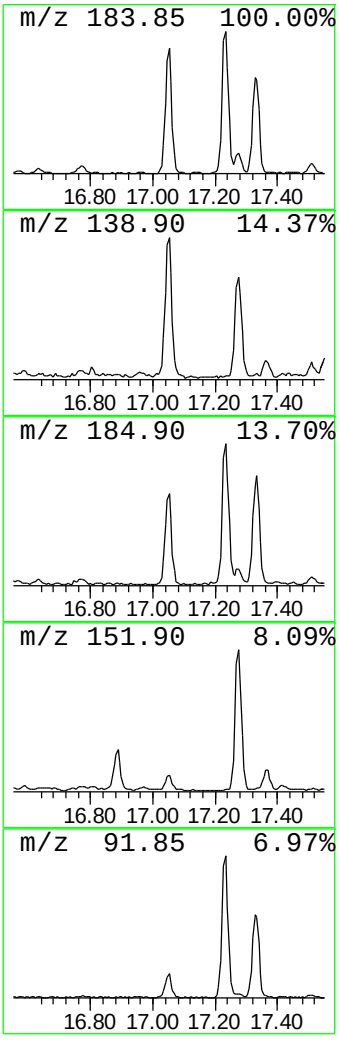
****

Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	2.70 ng/ul	268931	Phenanthrene-d10	17.23

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	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

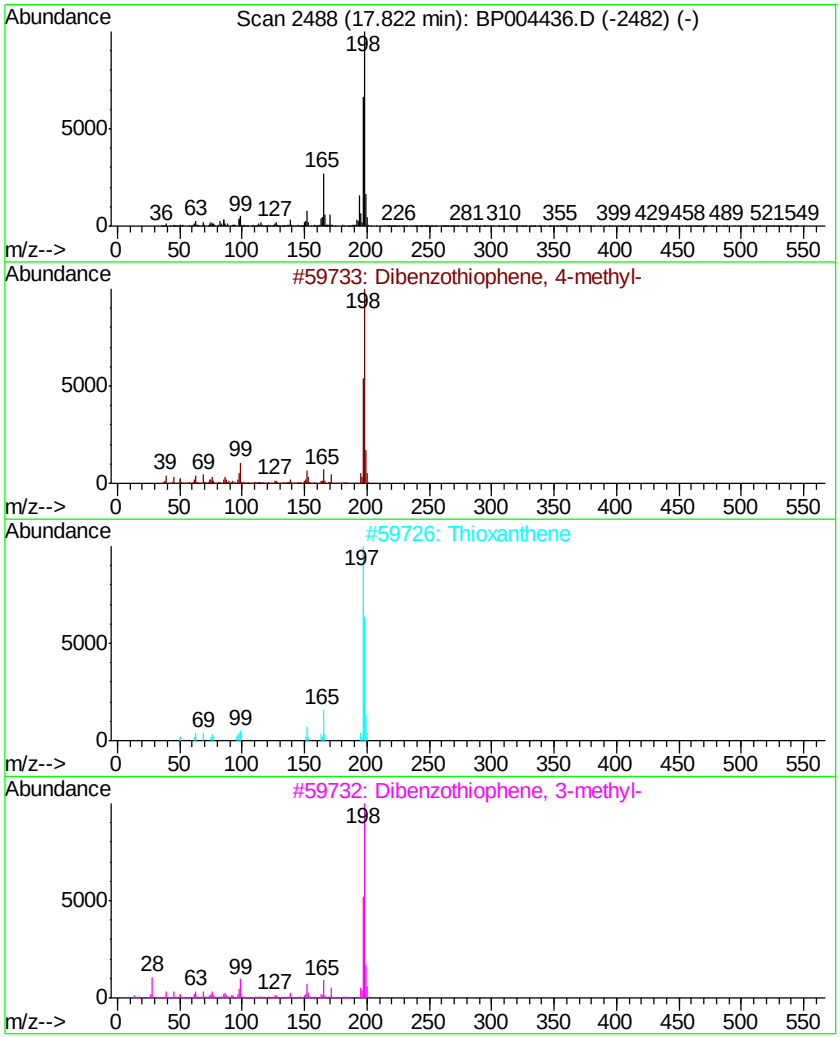
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

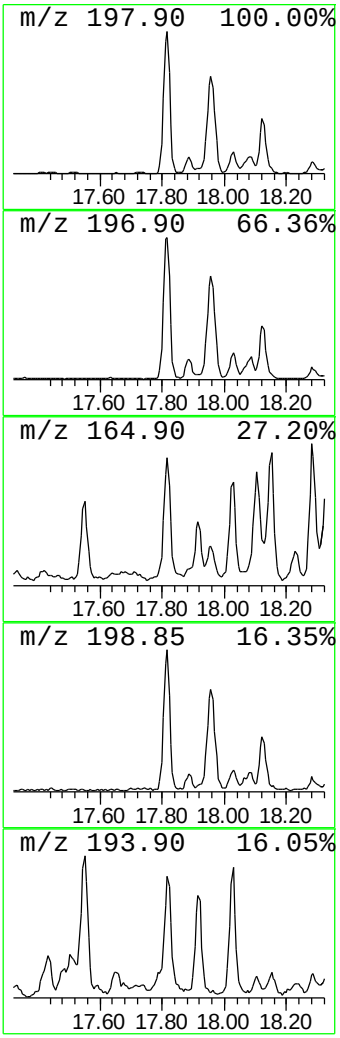
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.60 ng/ul	358489	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2	Thioxanthene	198	C13H10S	000261-31-4	83
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

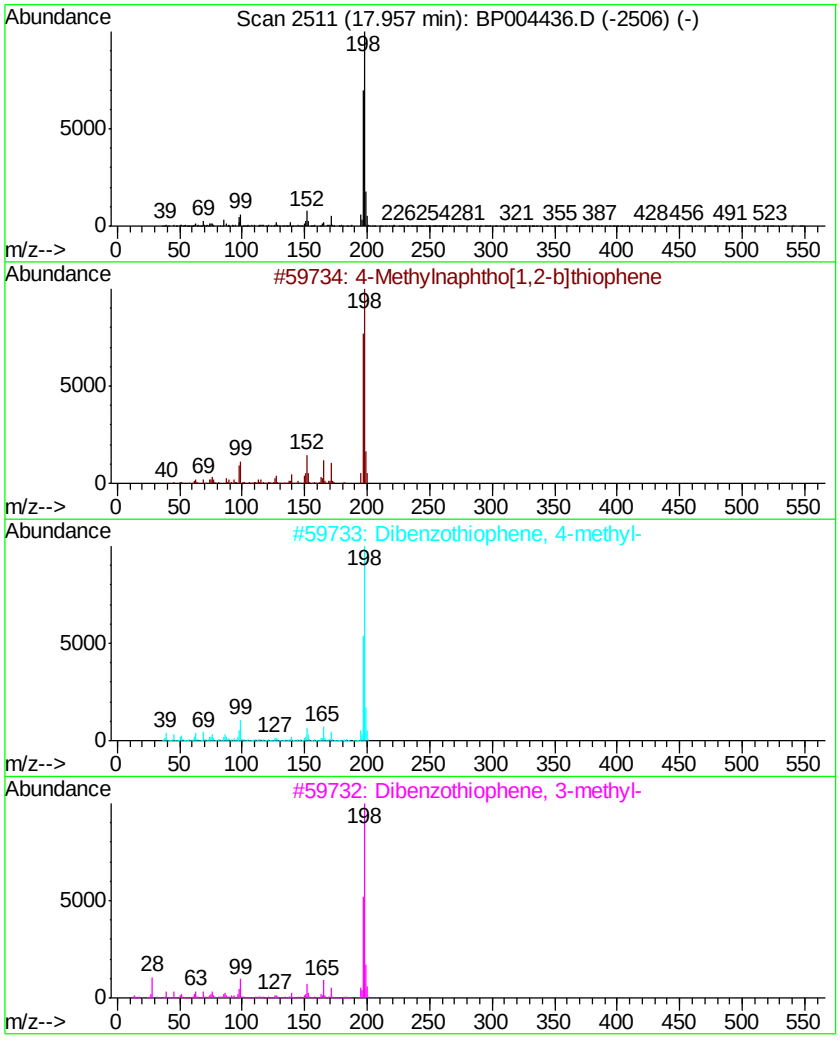
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

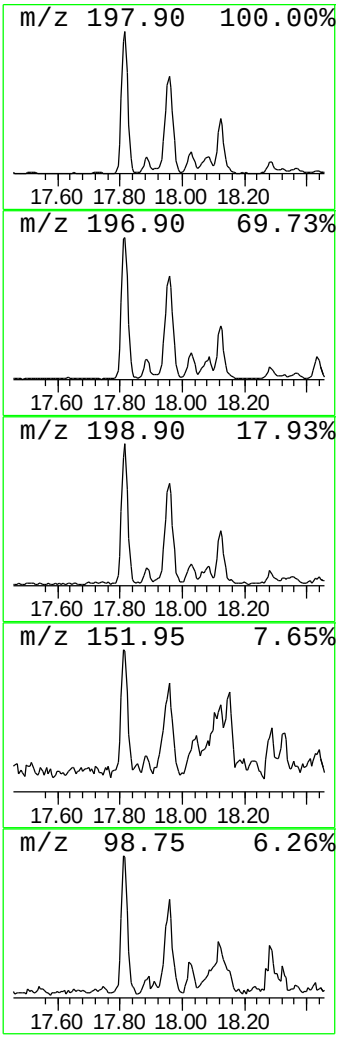
****

Peak Number 7 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.46 ng/ul	244548	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

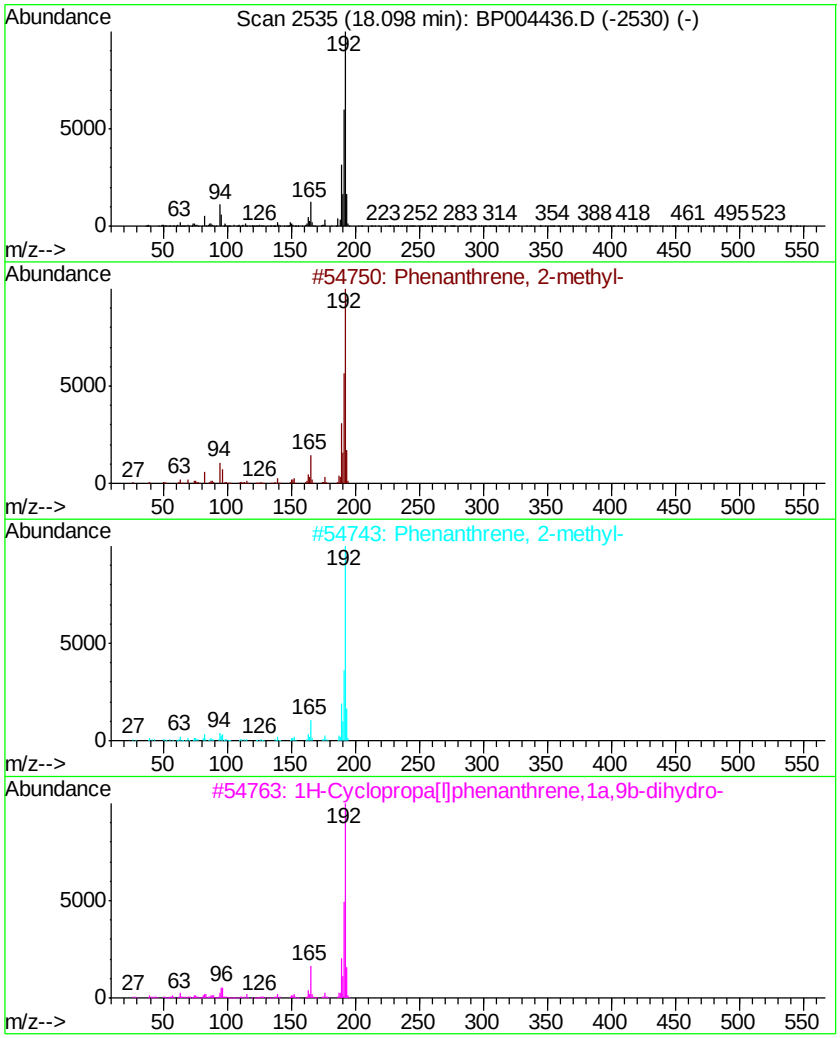
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

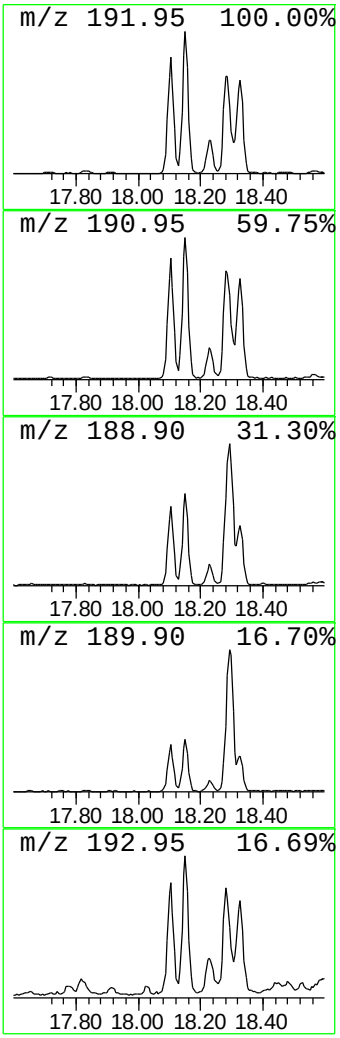
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.74 ng/ul	571998	Phenanthrene-d10	17.23

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

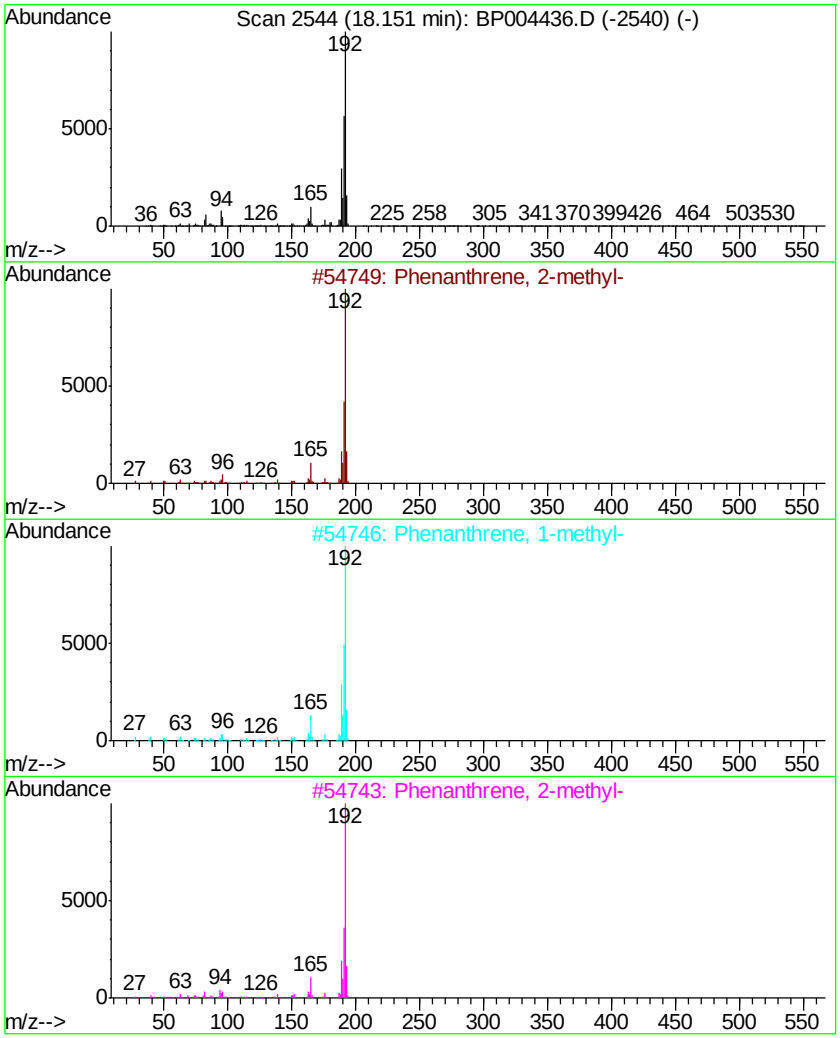
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

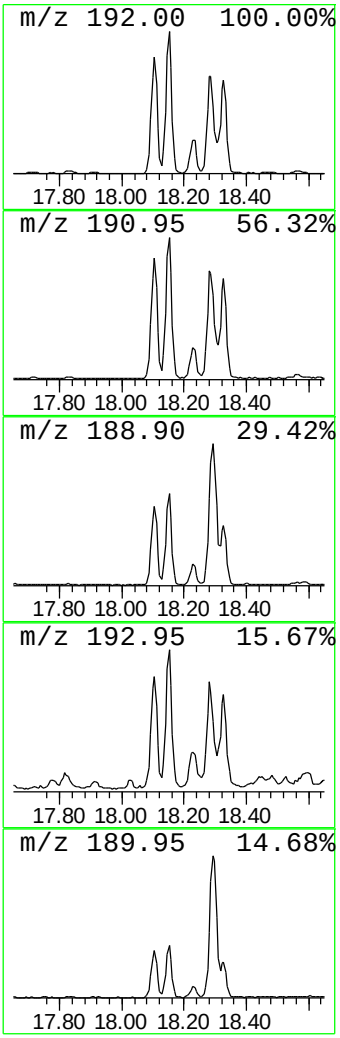
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	6.14 ng/ul	610934	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

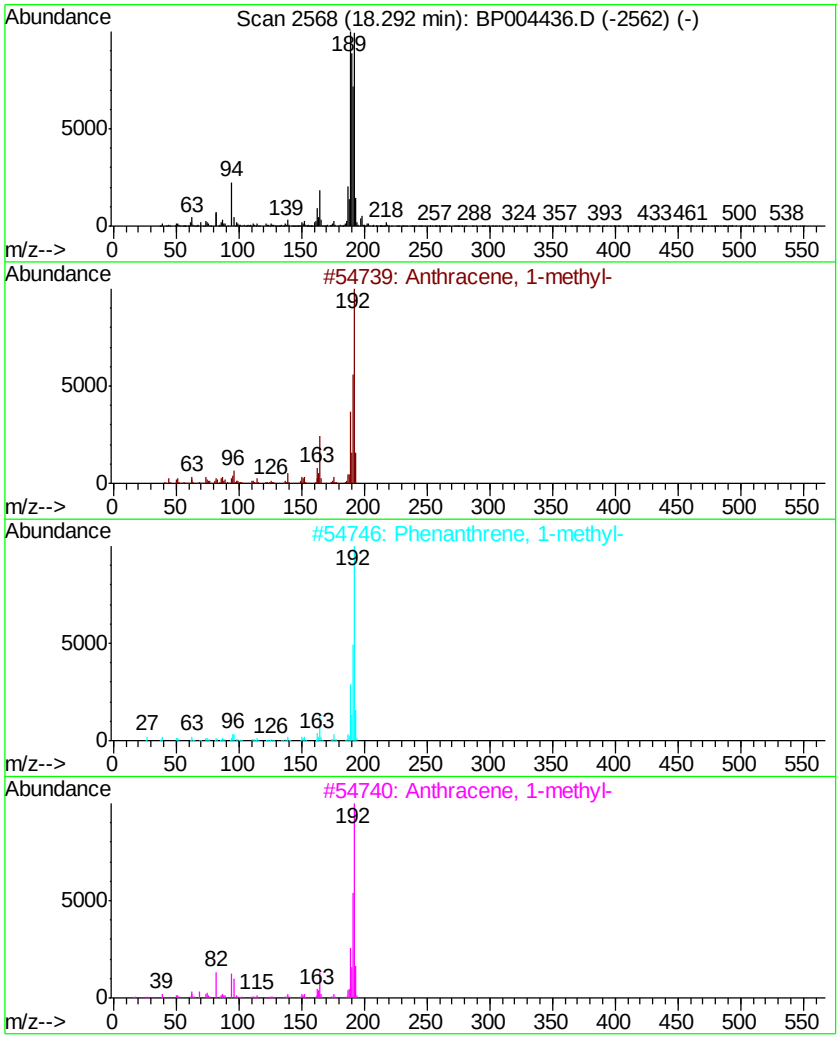
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

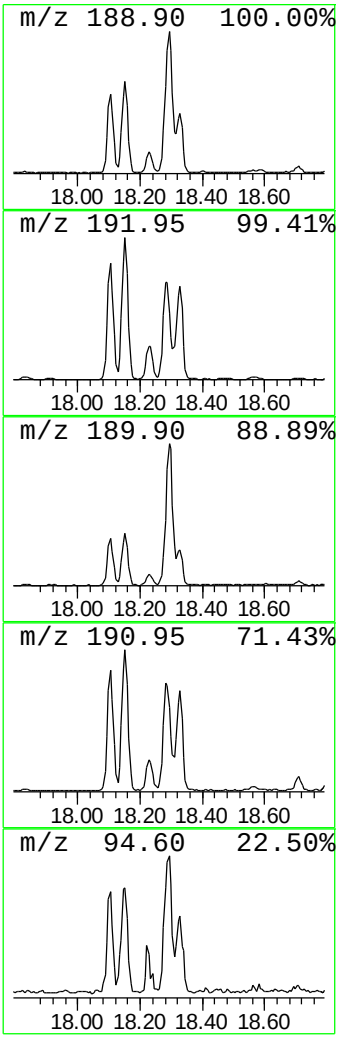
****

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	7.11 ng/ul	707545	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

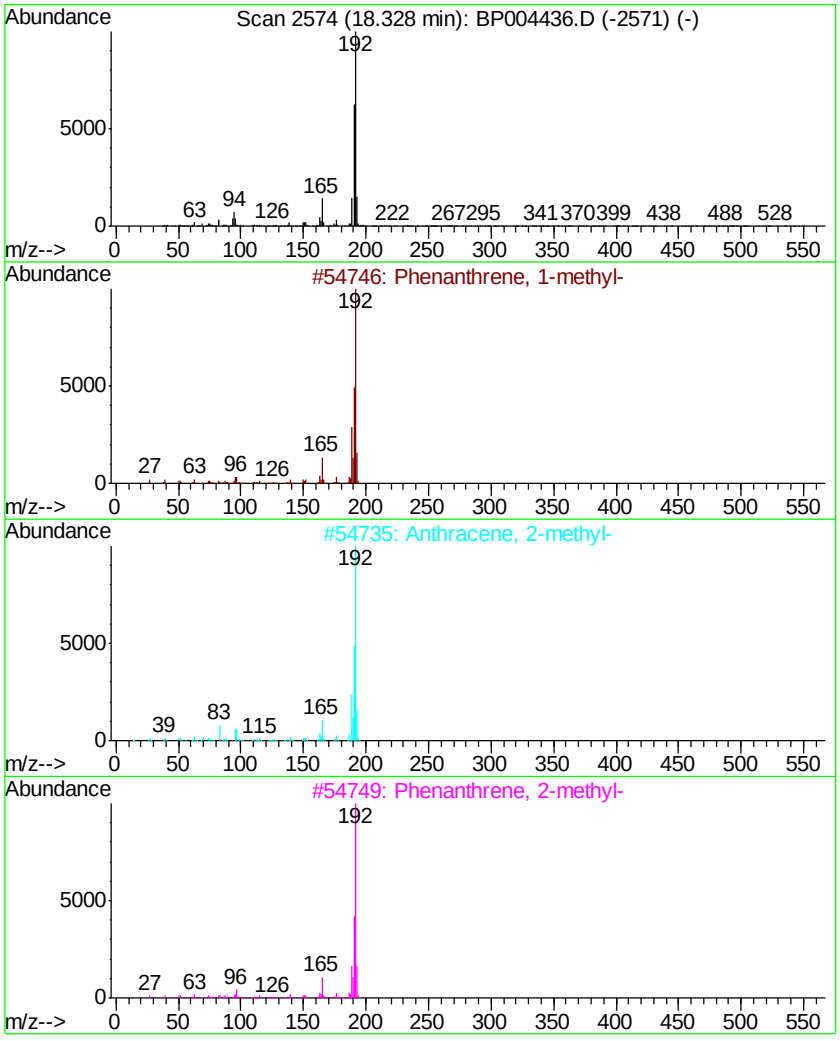
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

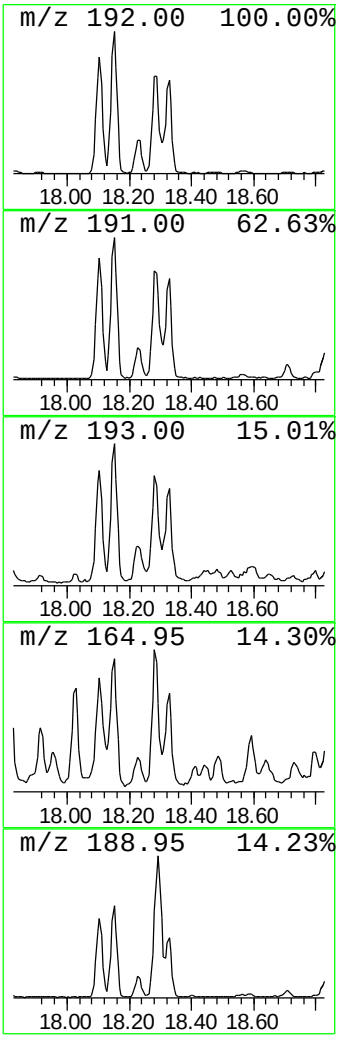
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	3.80 ng/ul	378638	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

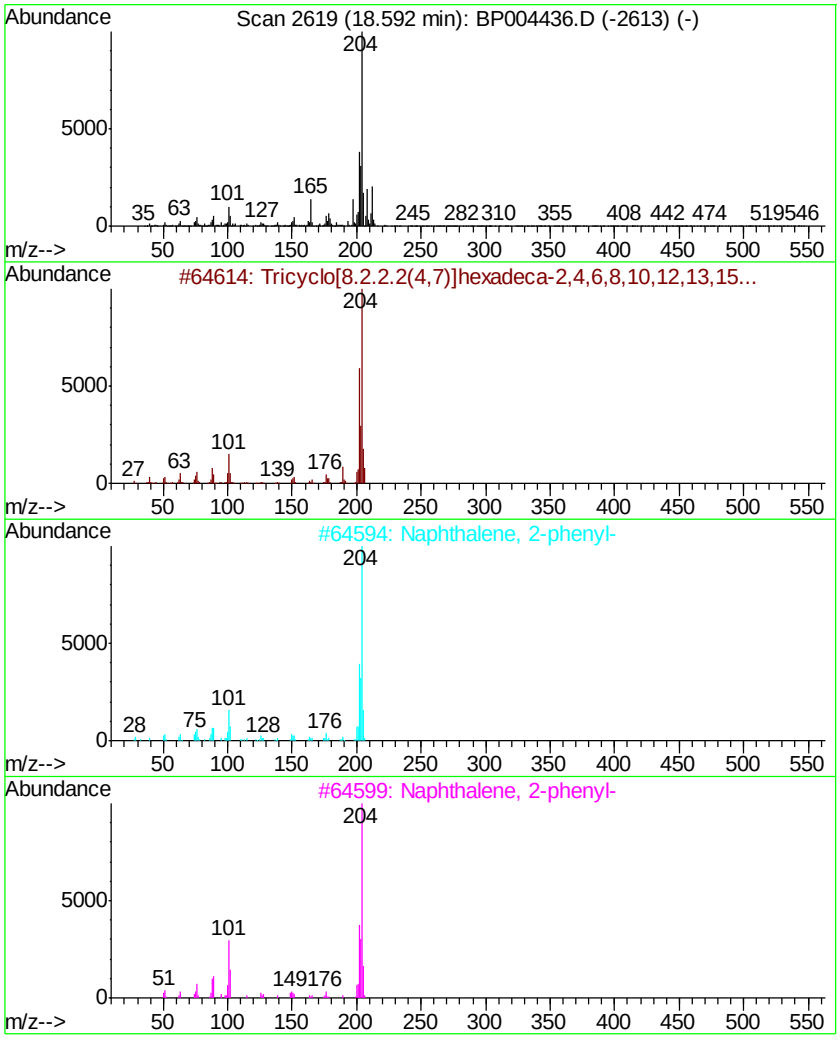
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

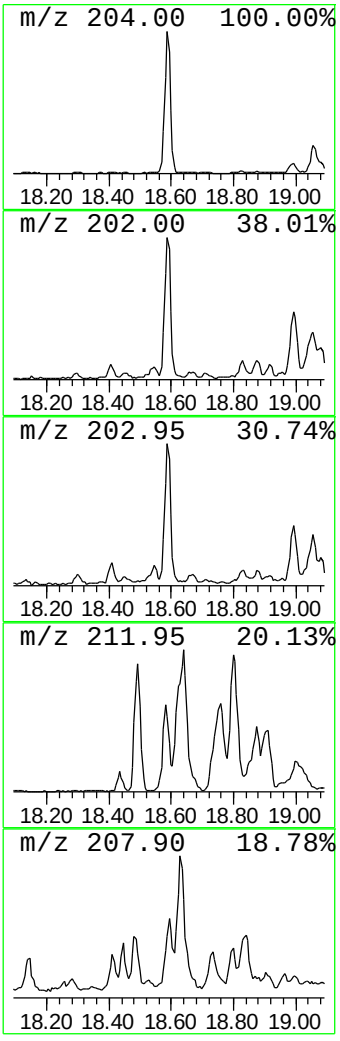
****

Peak Number 12 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.43 ng/ul	341286	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

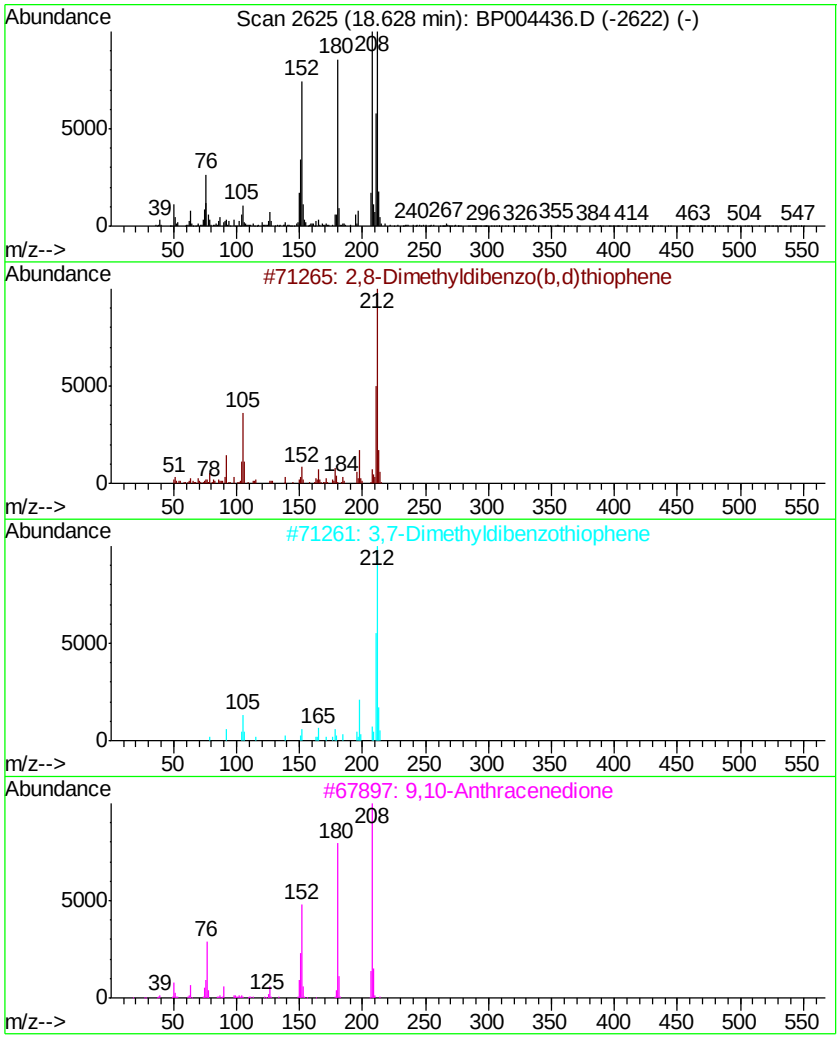
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

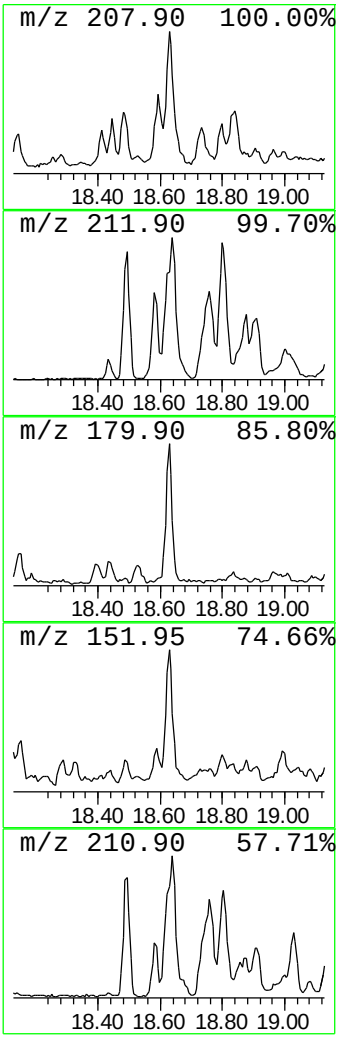
****

Peak Number 13 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	3.12 ng/ul	310562	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	50
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	43
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	41
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	38
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

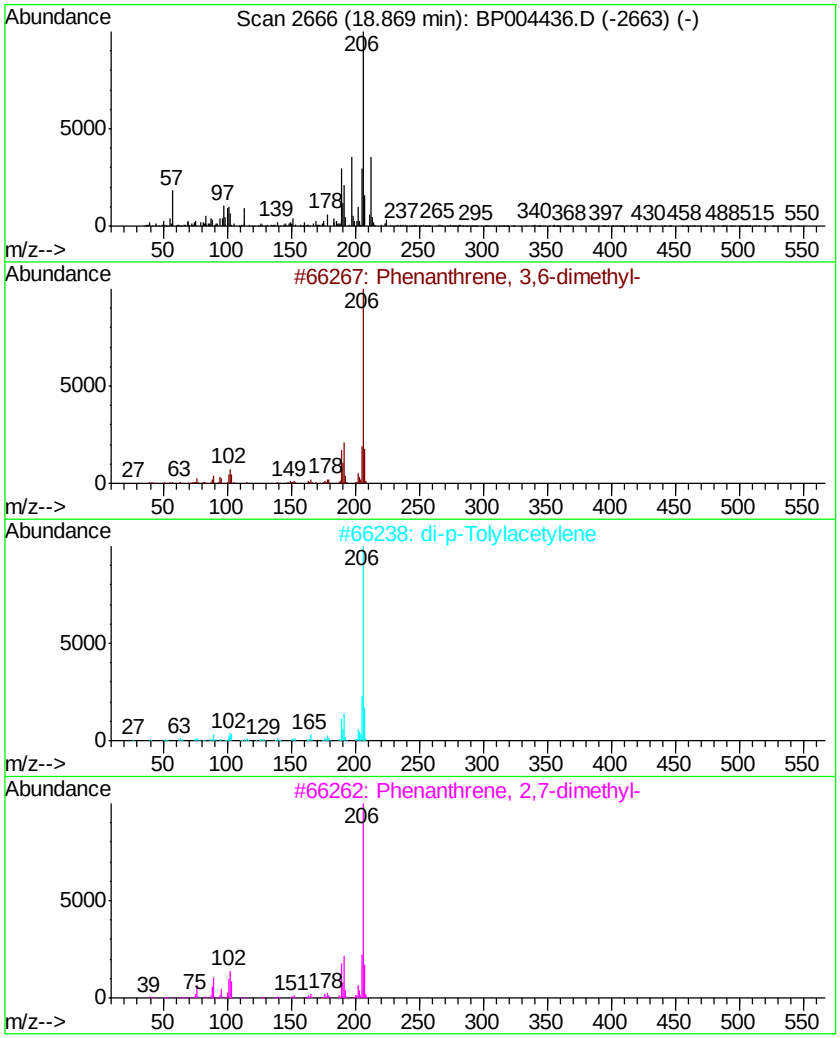
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

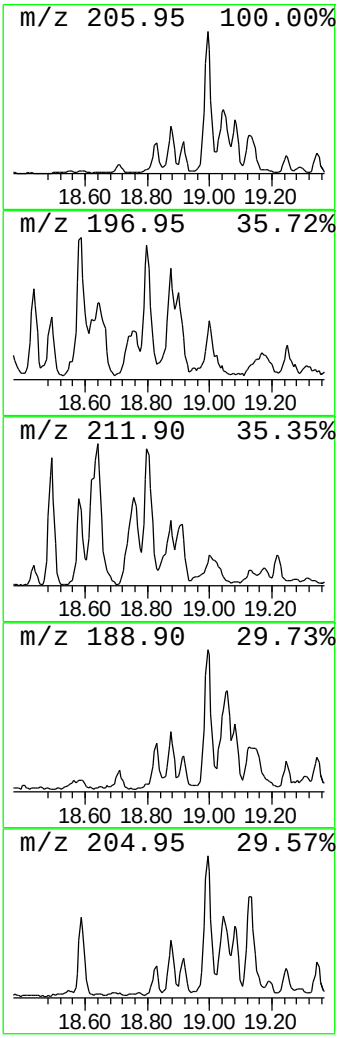
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.09 ng/ul	207848	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	62
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

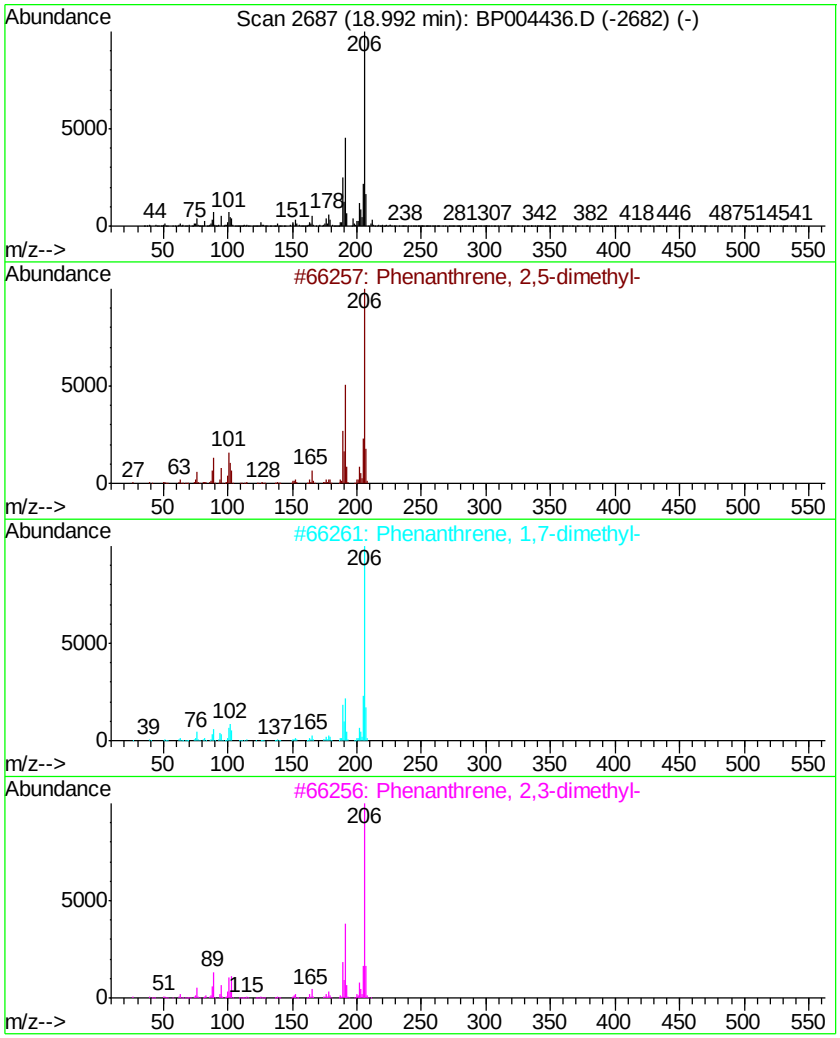
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

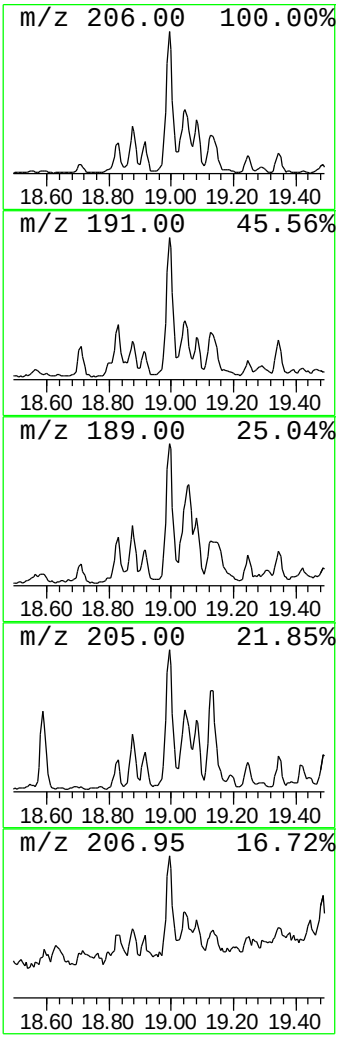
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	4.50 ng/ul	448023	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

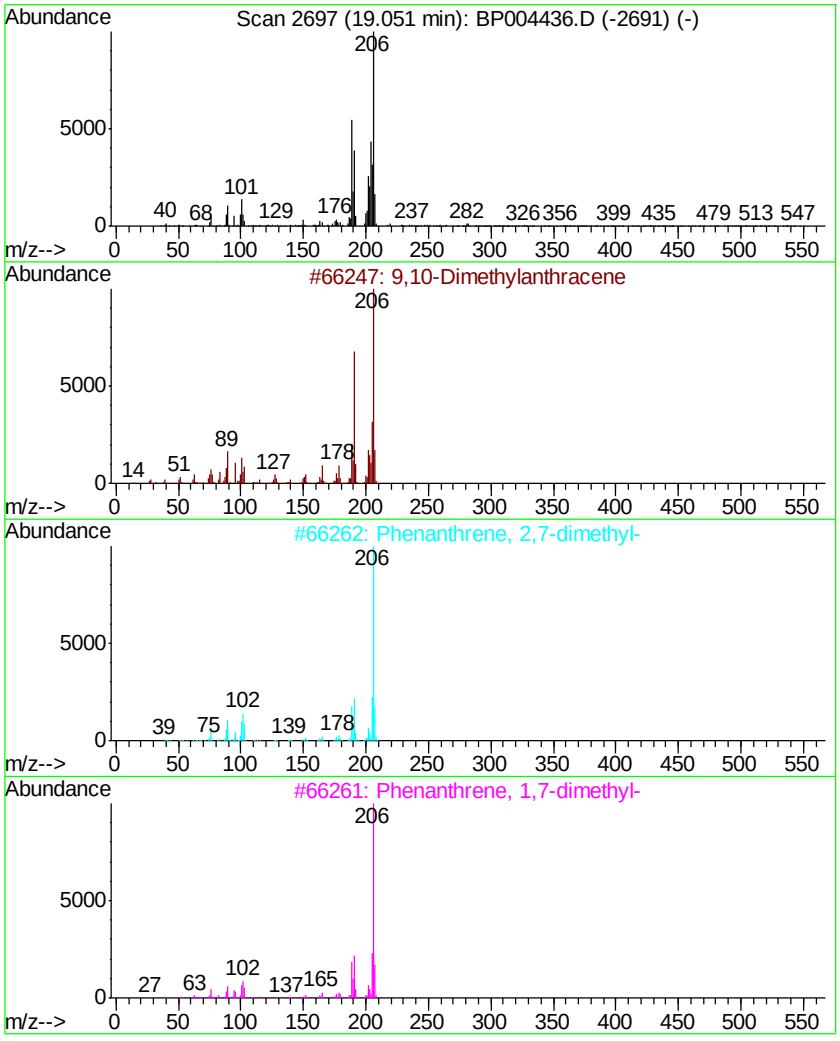
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

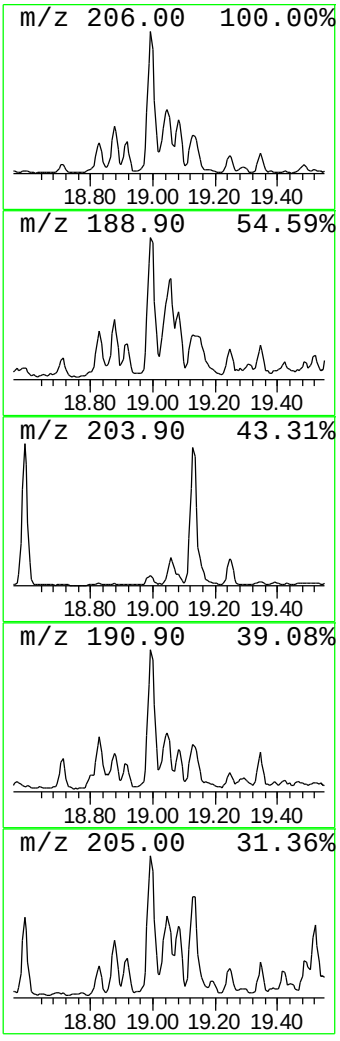
****

Peak Number 16 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	2.06 ng/ul	205618	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

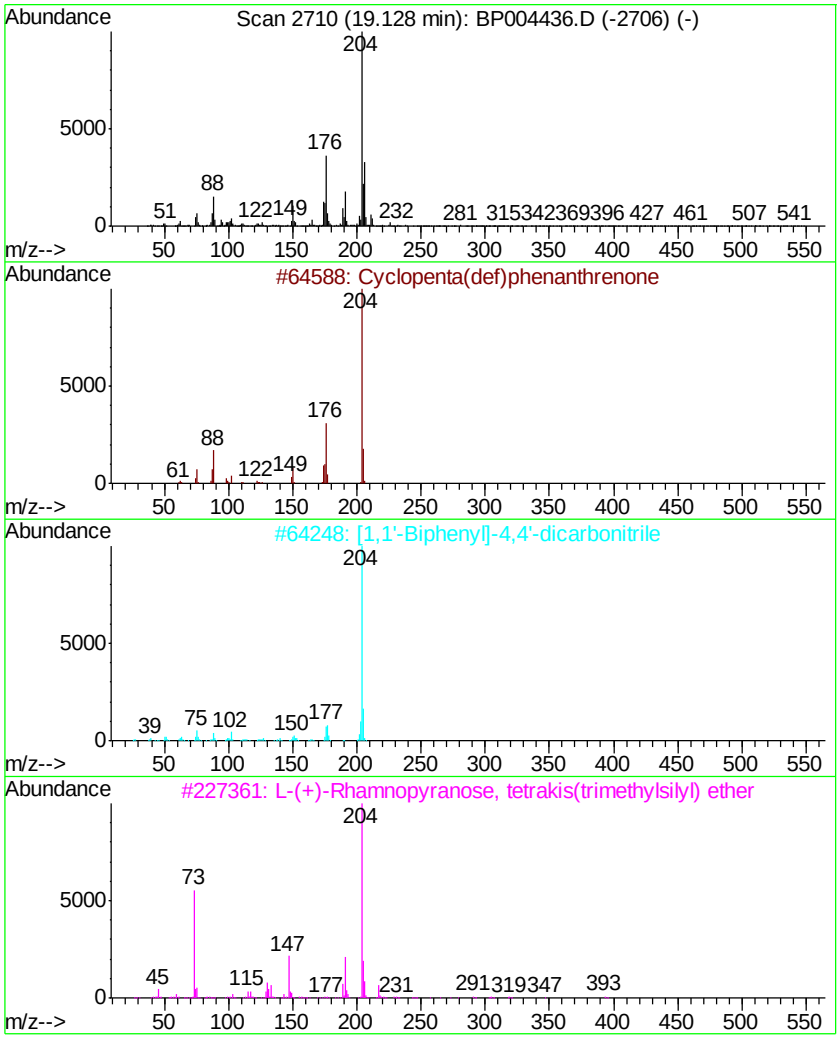
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

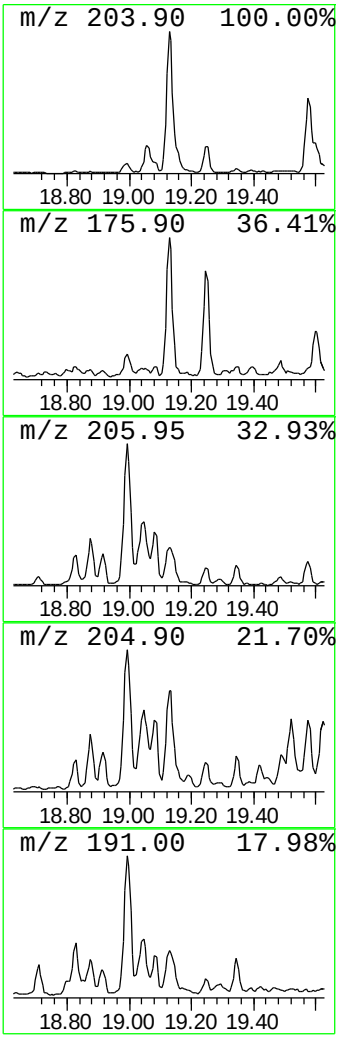
****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.86 ng/ul	384148	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	50
4	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

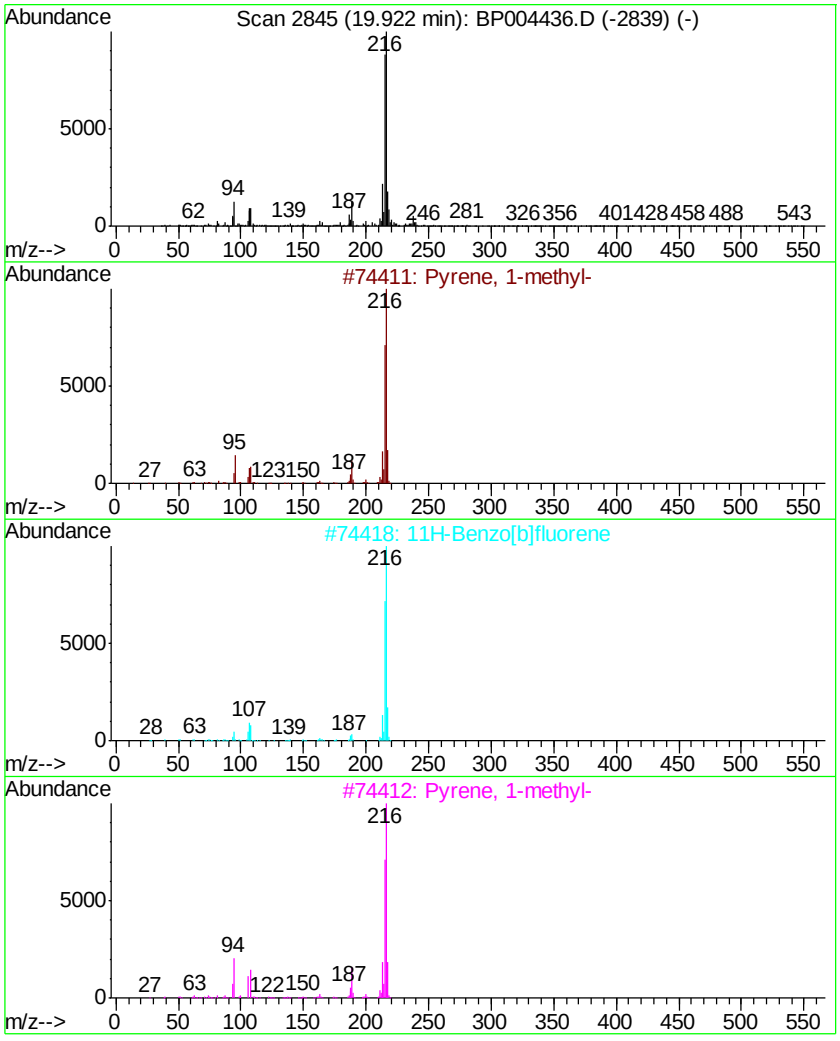
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

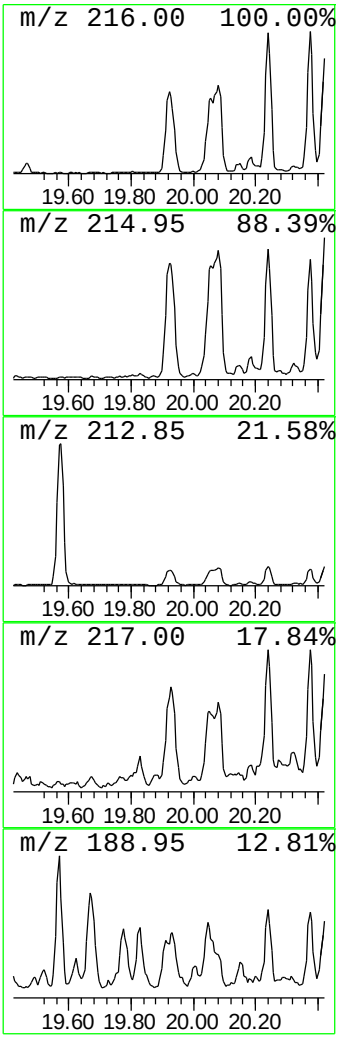
****

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.69 ng/ul	478873	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

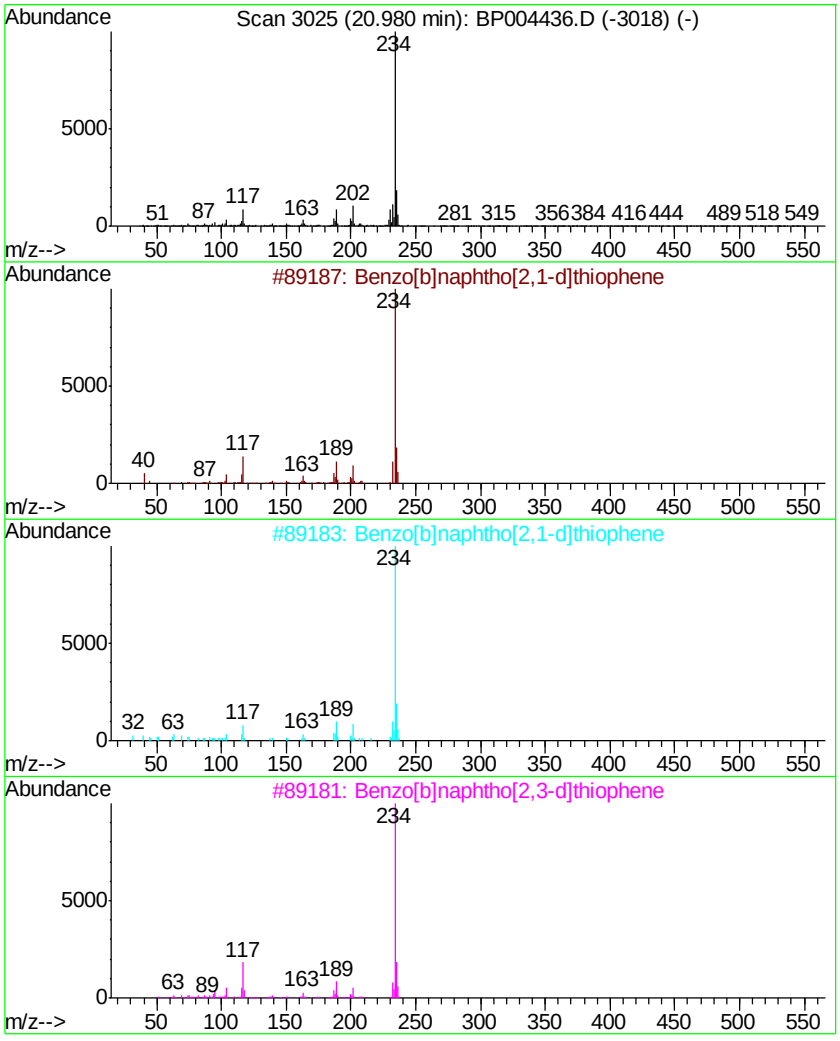
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

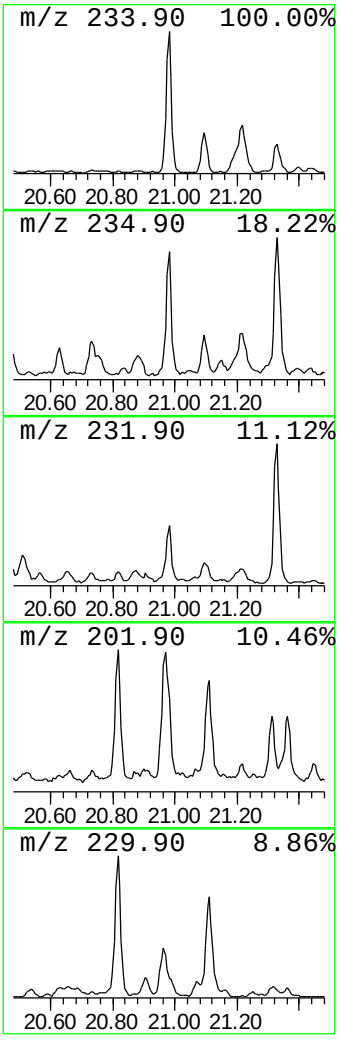
****

Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.86 ng/ul	508823	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

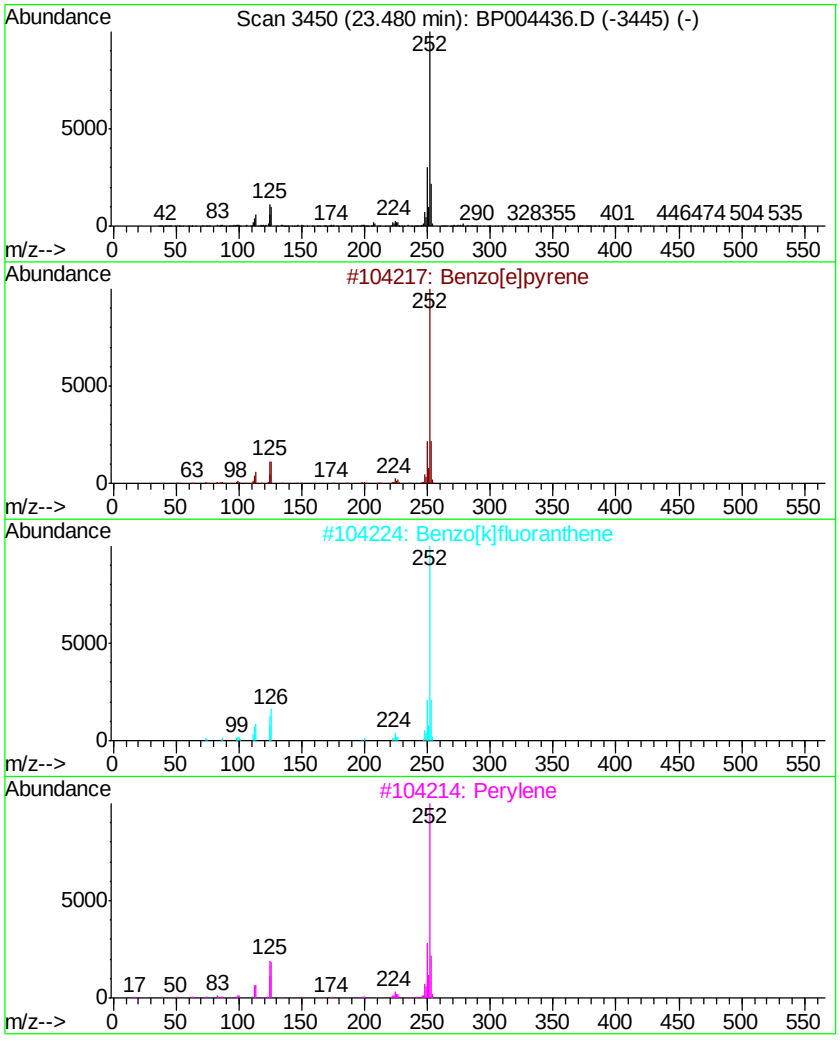
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

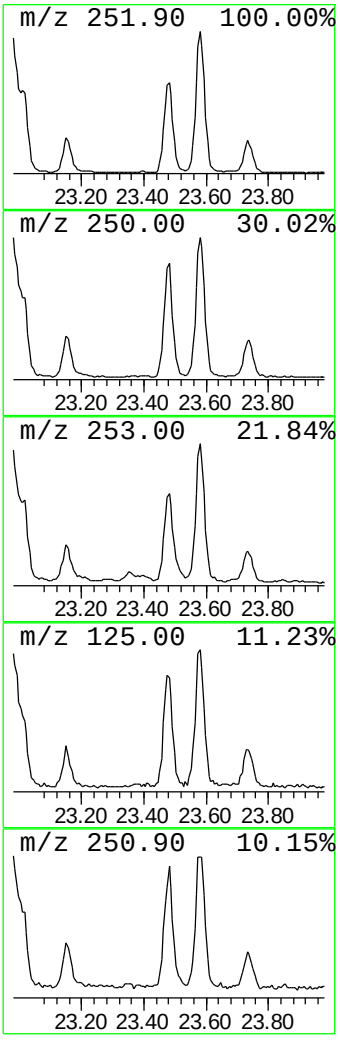
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.48	3.55 ng/ul	445950	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122420\
Data File : BP004436.D
Acq On : 24 Dec 2020 17:10
Operator : CG/JU
Sample : L5132-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54T9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.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
Naphthalene, 1,7-...	13.64	2.2	ng/ul	214194	3	14.47	1922130	20.0
Naphthalene, 2,3-...	13.79	3.1	ng/ul	293663	3	14.47	1922130	20.0
Naphthalene, 2,3,...	14.87	2.9	ng/ul	281931	3	14.47	1922130	20.0
9H-Fluoren-9-one	16.89	2.2	ng/ul	216419	4	17.23	1991620	20.0
Dibenzothiophene	17.05	2.7	ng/ul	268931	4	17.23	1991620	20.0
Dibenzothiophene,...	17.82	3.6	ng/ul	358489	4	17.23	1991620	20.0
4-Methylnaphtho[1...	17.96	2.5	ng/ul	244548	4	17.23	1991620	20.0
Phenanthrene, 2-m...	18.10	5.7	ng/ul	571998	4	17.23	1991620	20.0
Phenanthrene, 1-m...	18.15	6.1	ng/ul	610934	4	17.23	1991620	20.0
Anthracene, 1-met...	18.29	7.1	ng/ul	707545	4	17.23	1991620	20.0
Anthracene, 2-met...	18.33	3.8	ng/ul	378638	4	17.23	1991620	20.0
Tricyclo[8.2.2.2(...	18.59	3.4	ng/ul	341286	4	17.23	1991620	20.0
2,8-Dimethyldiben...	18.63	3.1	ng/ul	310562	4	17.23	1991620	20.0
Phenanthrene, 3,6...	18.87	2.1	ng/ul	207848	4	17.23	1991620	20.0
Phenanthrene, 2,5...	18.99	4.5	ng/ul	448023	4	17.23	1991620	20.0
9,10-Dimethylanth...	19.05	2.1	ng/ul	205618	4	17.23	1991620	20.0
Cyclopenta(def)ph...	19.13	3.9	ng/ul	384148	4	17.23	1991620	20.0
Pyrene, 1-methyl-	19.92	2.7	ng/ul	478873	5	21.33	3553840	20.0
Benzo[b]naphtho[2...	20.98	2.9	ng/ul	508823	5	21.33	3553840	20.0
Benzo[e]pyrene	23.48	3.5	ng/ul	445950	6	23.69	2512090	20.0