LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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-BP121020MA.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	3.840	107	111	120	rVB	158187	226098	0.87%	0.096%
2	5.052	314	317	324	rVB3	37687	59199	0.23%	0.025%
3	7.010	643	650	666	rVB2	554985	1089761	4.17%	0.464%
4	7.175	672	678	685	rVB	405312	645448	2.47%	0.275%
5	7.375	706	712	720	rBV	561687	917604	3.51%	0.391%
6	7.846	785	792	799	rBV	972711	1539562	5.89%	0.656%
7	8.546	905	911	919	rBV	651439	1062674	4.07%	0.453%
8	8.999	982	988	997	rVV	516041	865835	3.31%	0.369%
9	9.428	1056	1061	1067	rBV2	26460	40743	0.16%	0.017%
10	9.722	1105	1111	1119	rBV	355382	604543	2.31%	0.258%
11	10.263	1194	1203	1213	rBV	747265	1276148	4.88%	0.544%
12	10.646	1259	1268	1273	rBV	1331634	2346742	8.98%	1.000%
13	10.693	1273	1276	1283	rVV	354491	546230	2.09%	0.233%
14	10.775	1283	1290	1308	rVB	505964	962264	3.68%	0.410%
15	11.475	1405	1409	1417	rVB2	22856	39938	0.15%	0.017%
16	11.557	1417	1423	1428	rBV5	17009	37867	0.14%	0.016%
17	11.675	1439	1443	1448	rBV2	25205	40339	0.15%	0.017%
18	12.310	1544	1551	1558	rVB	241248	387033	1.48%	0.165%
19	12.528	1580	1588	1598	rVV	197277	311105	1.19%	0.133%
20	13.034	1670	1674	1678	rVB2	26470	40800	0.16%	0.017%
21	13.322	1716	1723	1729	rBV	129053	197725	0.76%	0.084%
22	13.522	1752	1757	1767	rVB	46432	97656	0.37%	0.042%
23	13.657	1770	1780	1787	rBV3	84081	230490	0.88%	0.098%
24	13.810	1800	1806	1812	rBV	154382	267132	1.02%	0.114%
25	13.898	1812	1821	1825	rVV	1268605	1935672	7.41%	0.825%
26	13.939	1825	1828	1833	rVV	283923	408467	1.56%	0.174%
27	13.981	1833	1835	1839	rVV2	37298	47287	0.18%	0.020%
28	14.051	1843	1847	1850	rVV2	88473	131815	0.50%	0.056%
29	14.081	1850	1852	1858	rVB4	31955	44373	0.17%	0.019%
30	14.187	1864	1870	1883	rVB	1570638	2642452	10.11%	1.126%
31	14.398	1902	1906	1911	rBV	60376	82449	0.32%	0.035%
32	14.492	1913	1922	1928	rVV	2052578	3181505	12.18%	1.356%
33	14.557	1928	1933	1940	rVV	1331090	2012424	7.70%	0.858%
34	14.622	1940	1944	1950	rVB	75546	110841	0.42%	0.047%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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-BP121020MA.M
Title : SVOA CALIBRATION

35	14.698	1951	1957	1966	rBV2	449187	777093	2.97%	0.331%
36	14.804	1970	1975	1979	rVV2	66345	139850	0.54%	0.060%
37	14.839	1979	1981	1985	rVV6	36467	57262	0.22%	0.024%
38	14.892	1985	1990	1998	rVV	676296	1077091	4.12%	0.459%
39	14.975	1999	2004	2008	rVB	67982	98678	0.38%	0.042%
40	15.116	2021	2028	2033	rBV	77279	159342	0.61%	0.068%
41	15.169	2033	2037	2042	rVB	63985	87091	0.33%	0.037%
42	15.292	2051	2058	2061	rBV4	80828	161204	0.62%	0.069%
43	15.357	2066	2069	2074	rVB2	60241	85690	0.33%	0.037%
44	15.492	2086	2092	2097	rBV	1957112	2819388	10.79%	1.201%
45	15.545	2097	2101	2112	rVB	1323960	1973979	7.56%	0.841%
46	15.645	2112	2118	2120	rBV2	94947	170586	0.65%	0.073%
47	15.675	2120	2123	2126	rVV2	153648	201900	0.77%	0.086%
48	15.710	2126	2129	2134	rVV	195912	305930	1.17%	0.130%
49	15.763	2134	2138	2141	rVV3	103981	171482	0.66%	0.073%
50	15.798	2141	2144	2147	rVV	130964	187235	0.72%	0.080%
51	15.845	2147	2152	2160	rVB	318367	493634	1.89%	0.210%
52	15.992	2172	2177	2185	rVB	329126	653035	2.50%	0.278%
53	16.081	2185	2192	2199	rVB3	87114	190836	0.73%	0.081%
54	16.222	2212	2216	2225	rVB6	219716	457465	1.75%	0.195%
55	16.557	2270	2273	2278	rVB2	229061	341234	1.31%	0.145%
56	16.610	2278	2282	2287	rVB3	128453	196666	0.75%	0.084%
57	16.657	2288	2290	2294	rBV3	41504	62937	0.24%	0.027%
58	16.792	2310	2313	2316	rBV2	104685	129684	0.50%	0.055%
59	16.828	2316	2319	2323	rVB2	175804	212345	0.81%	0.090%
60	16.910	2328	2333	2340	rVB	902768	1337881	5.12%	0.570%
61	16.992	2342	2347	2348	rBV2	186105	266616	1.02%	0.114%
62	17.075	2356	2361	2371	rVB	798977	1203614	4.61%	0.513%
63	17.257	2387	2392	2395	rBV	2211412	3391298	12.98%	1.445%
64	17.304	2395	2400	2405	rVV	13564702	20594391	78.83%	8.776%
65	17.357	2405	2409	2412	rVV2	2287334	3438458	13.16%	1.465%
66	17.392	2412	2415	2420	rVV	2525189	3392503	12.99%	1.446%
67	17.451	2420	2425	2430	rVV2	331298	546317	2.09%	0.233%
68	17.663	2452	2461	2466	rBV2	1822392	3203514	12.26%	1.365%
69	17.839	2488	2491	2499	rVB3	265089	404534	1.55%	0.172%
70	18.127	2536	2540	2544	rBV	1496885	1966384	7.53%	0.838%
71	18.175	2544	2548	2554	rVB	2177118	3085541	11.81%	1.315%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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-BP121020MA.M
Title : SVOA CALIBRATION

72	18.257	2557	2562	2566	rBV	526788	737941	2.82%	0.314%
73	18.322	2567	2573	2576	rBV2	2480720	4162783	15.93%	1.774%
74	18.351	2576	2578	2584	rVB	1004585	1162746	4.45%	0.496%
75	18.463	2594	2597	2601	rVB2	233768	293464	1.12%	0.125%
76	18.610	2618	2622	2626	rBV	1263905	1654172	6.33%	0.705%
77	18.657	2626	2630	2635	rVB	2054431	2786205	10.67%	1.187%
78	18.851	2661	2663	2666	rVB	330251	329055	1.26%	0.140%
79	19.022	2687	2692	2698	rBV3	722270	1604381	6.14%	0.684%
80	19.157	2711	2715	2721	rBV2	959482	1457851	5.58%	0.621%
81	19.280	2730	2736	2741	rVB	18299945	26124182	100.00%	11.133%
82	19.369	2748	2751	2756	rVB	449044	557268	2.13%	0.237%
83	19.604	2785	2791	2792	rBV2	6202260	8211271	31.43%	3.499%
84	19.633	2792	2796	2802	rVV	15527308	22178666	84.90%	9.451%
85	19.698	2803	2807	2813	rVB2	925117	1398412	5.35%	0.596%
86	19.804	2821	2825	2830	rVB	1044997	1318151	5.05%	0.562%
87	19.863	2831	2835	2840	rVB	1006127	1413133	5.41%	0.602%
88	19.945	2844	2849	2855	rBV2	1095643	2670500	10.22%	1.138%
89	20.110	2874	2877	2883	rVB2	2397908	3286162	12.58%	1.400%
90	20.210	2890	2894	2897	rBV	1689908	2024139	7.75%	0.863%
91	20.304	2907	2910	2913	rVB	798805	911073	3.49%	0.388%
92	20.845	2998	3002	3008	rVB	1957227	2574942	9.86%	1.097%
93	21.045	3033	3036	3039	rBV	1069664	1156445	4.43%	0.493%
94	21.133	3048	3051	3057	rVB	2216874	2972082	11.38%	1.267%
95	21.345	3082	3087	3092	rBV3	10076993	17566829	67.24%	7.486%
96	21.392	3092	3095	3104	rVB	8859287	12344560	47.25%	5.261%
97	21.674	3141	3143	3149	rVB	1380958	1719800	6.58%	0.733%
98	23.021	3366	3372	3377	rBV	6454497	15533225	59.46%	6.619%
99	23.533	3454	3459	3464	rVB	3314427	5949339	22.77%	2.535%
100	23.639	3471	3477	3483	rVB	6063165	12088695	46.27%	5.152%

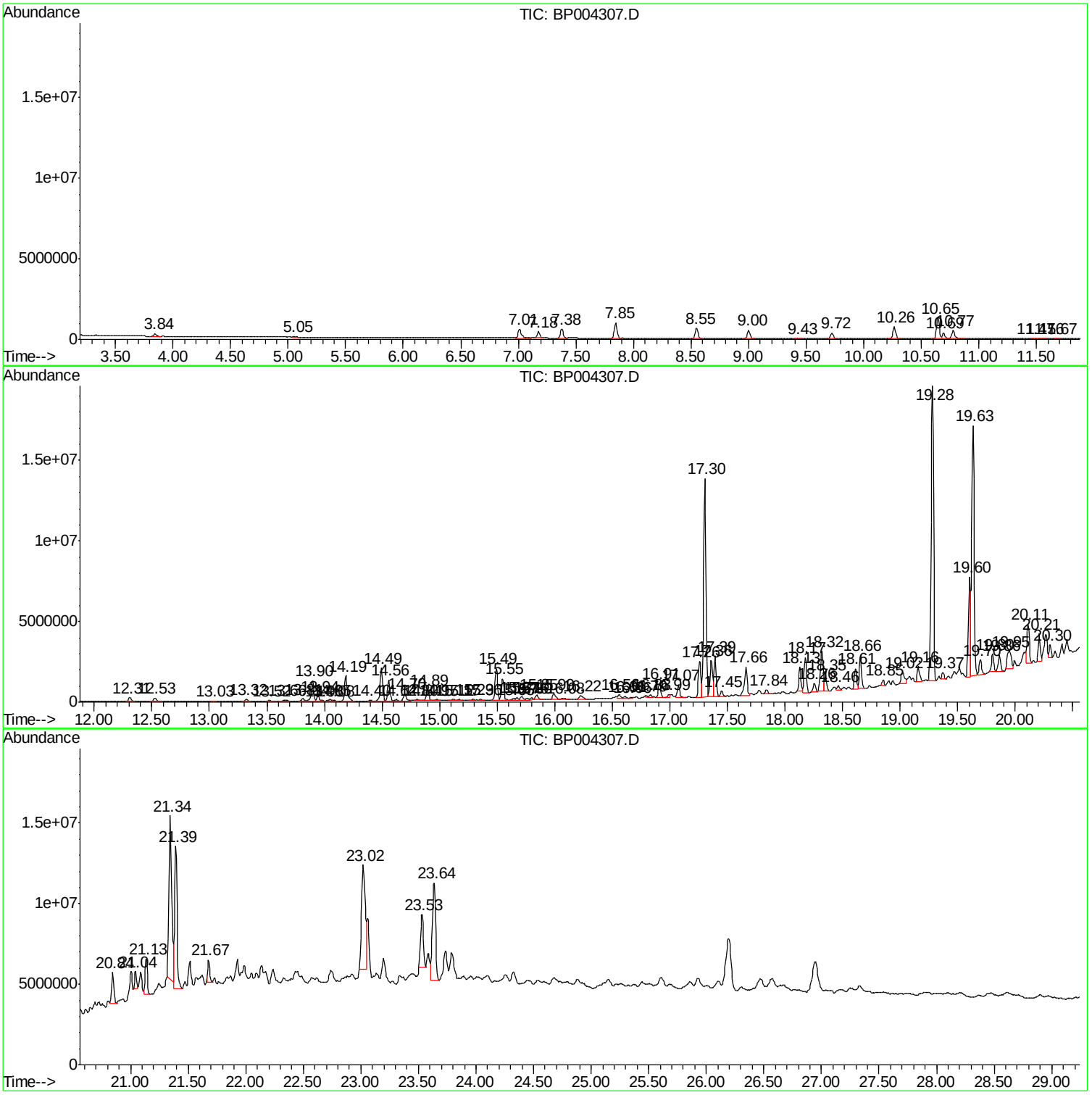
Sum of corrected areas: 234660381

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

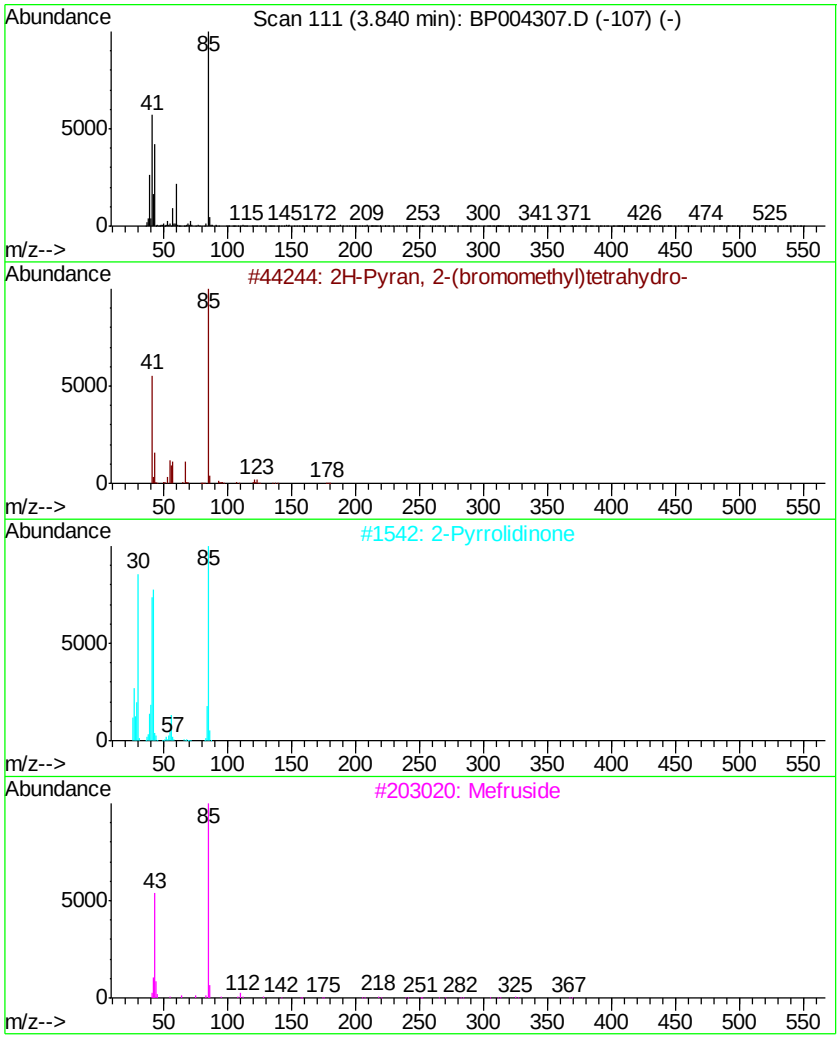
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

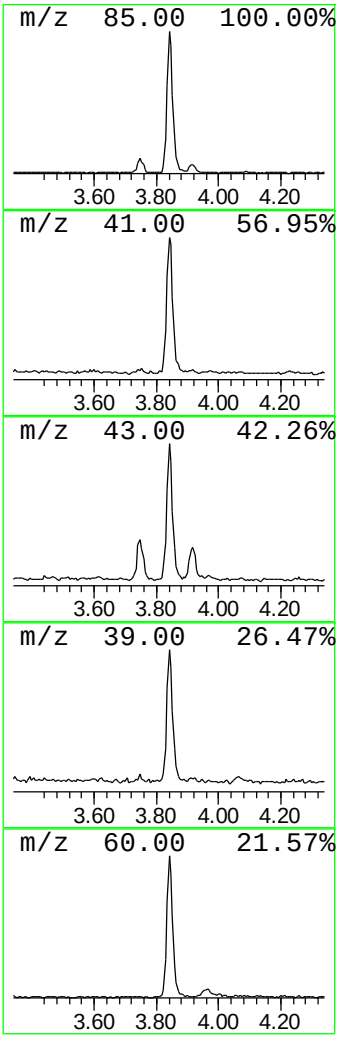
****

Peak Number 1 2H-Pyran, 2-(bromomethyl)te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.84	2.94 ng/ul	226098	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 2-(bromomethyl)tetrahy...	178	C6H11BrO	034723-82-5	53
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	38
3	Mefruside	382	C13H19ClN2O5S2	007195-27-9	36
4	9-(Tetrahydropyran-2-yloxy)-4,6-...	268	C14H20O5	1000191-93-4	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

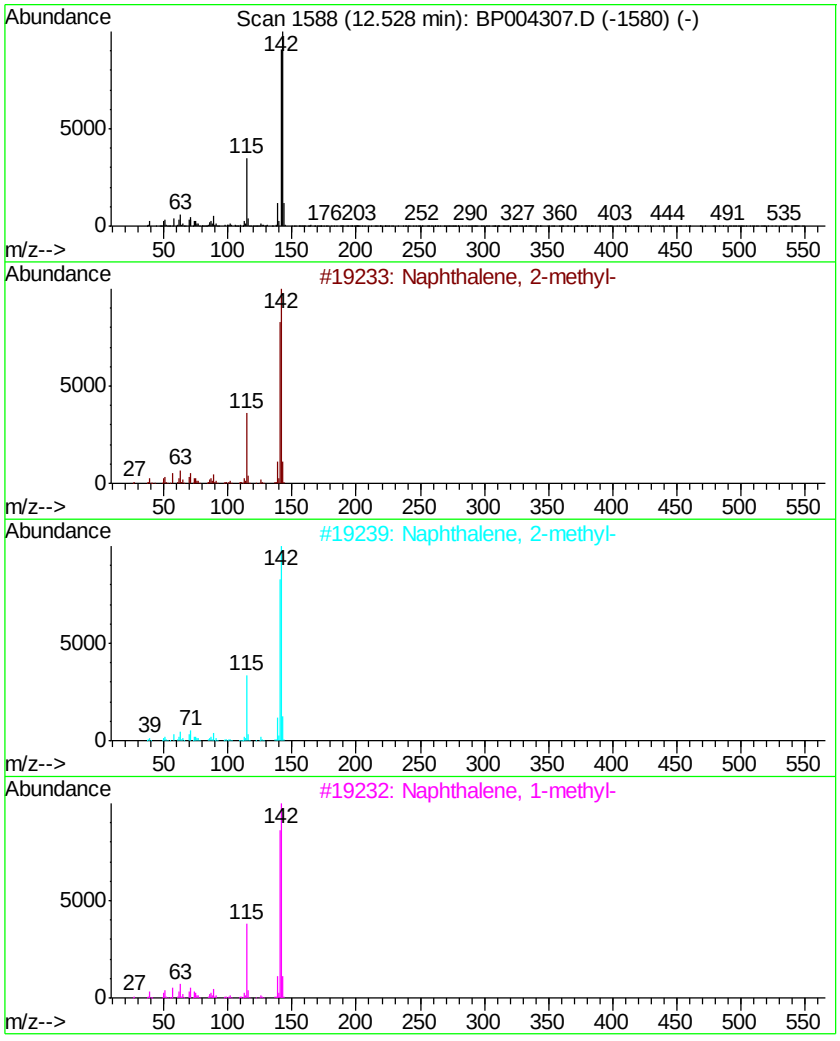
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

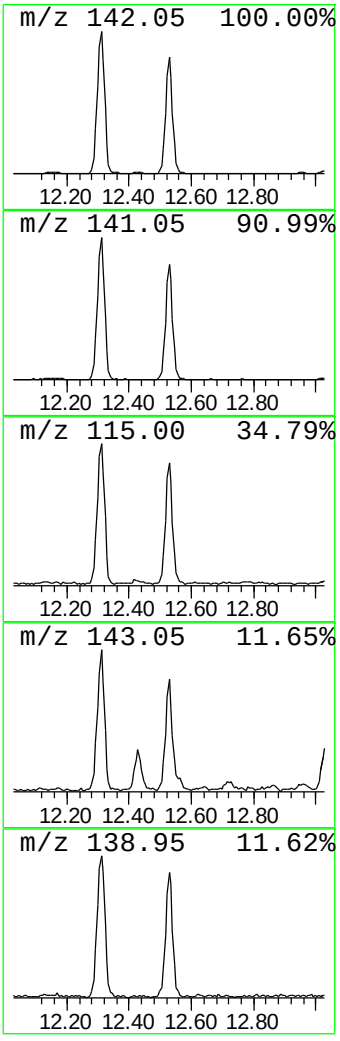
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.65 ng/ul	311105	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

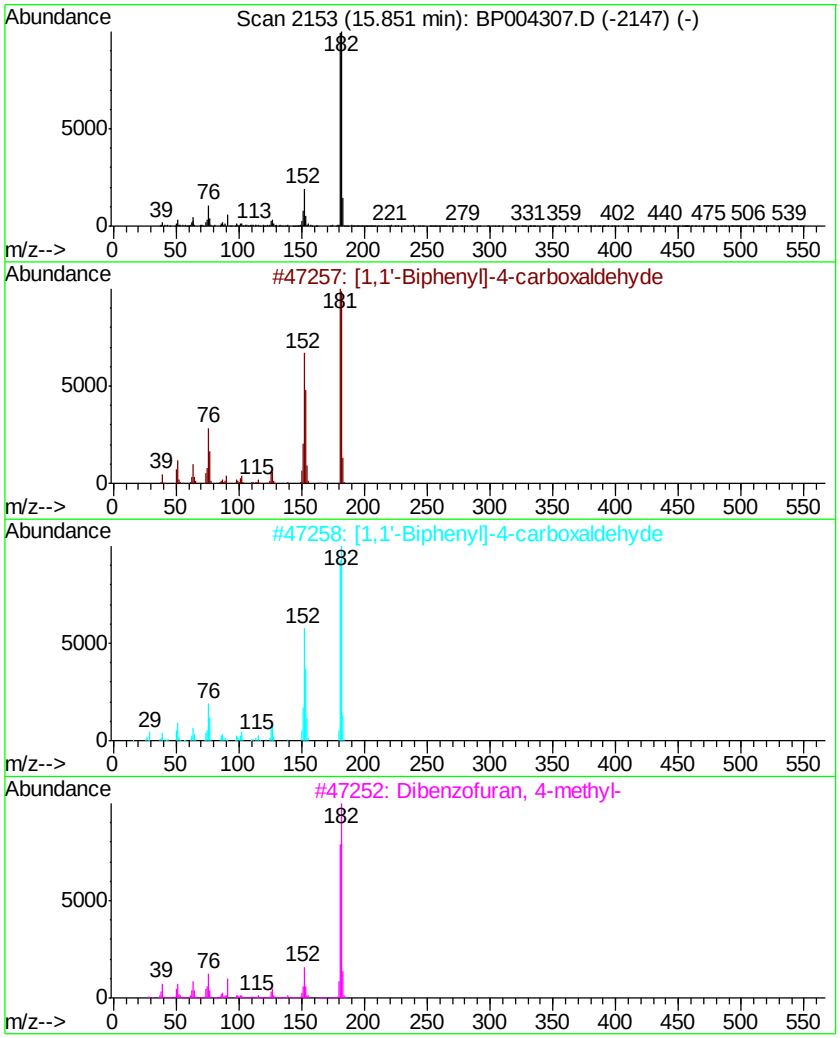
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

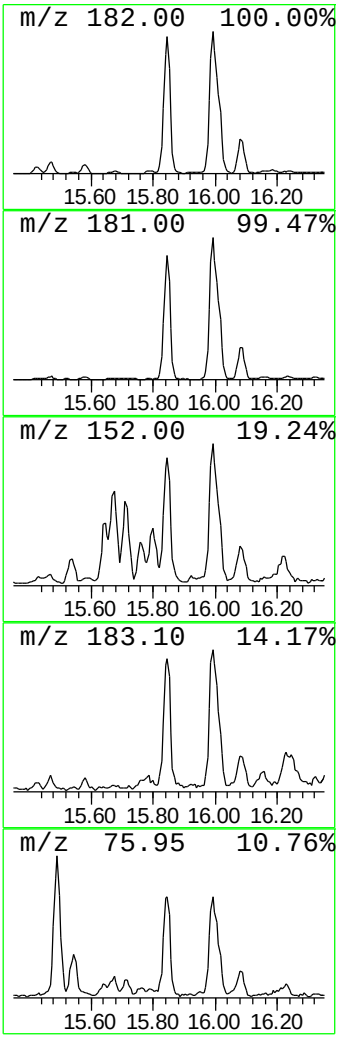
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	3.10 ng/ul	493634	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

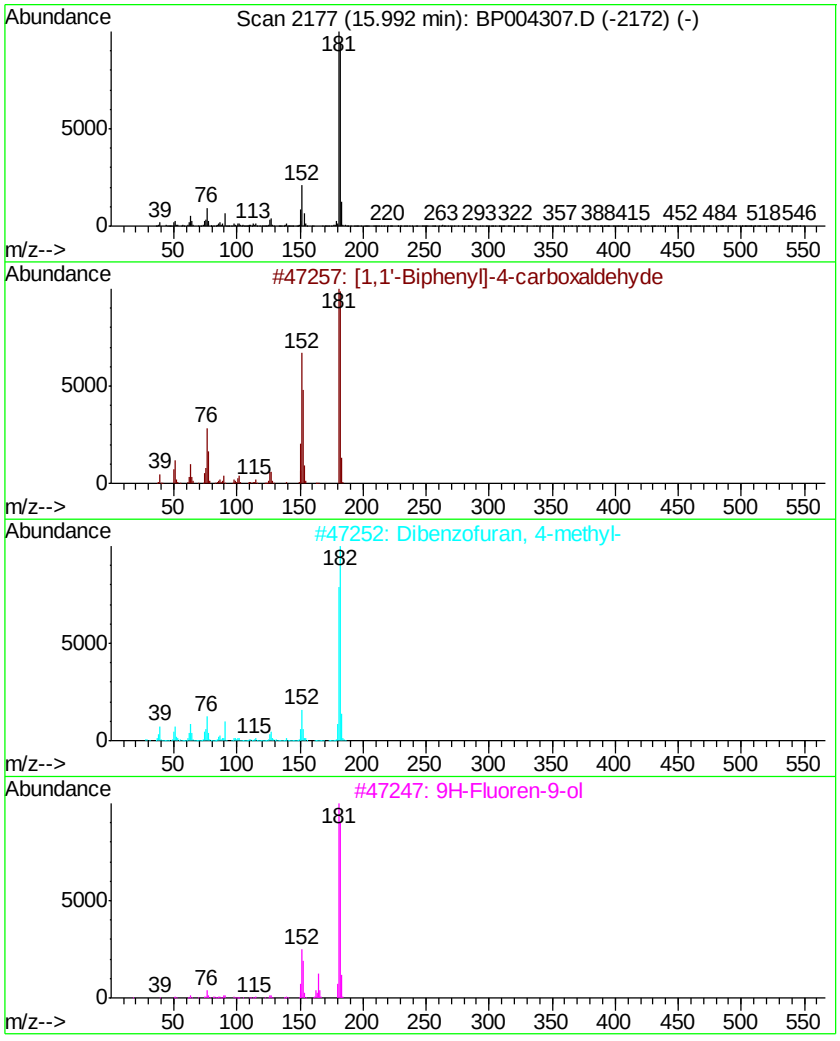
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

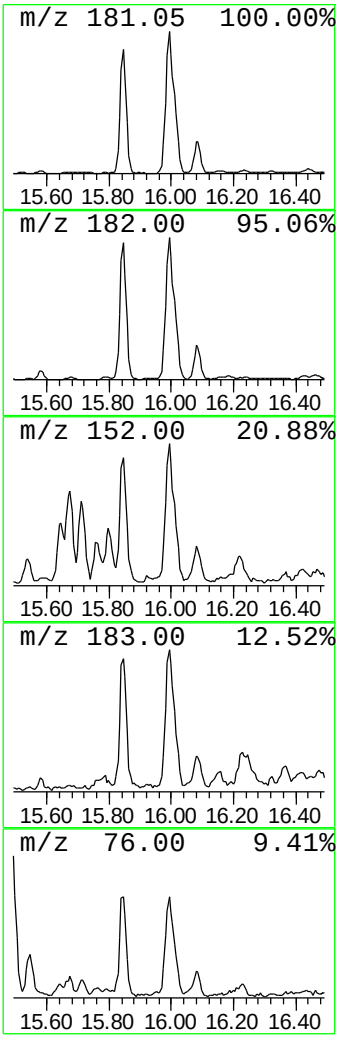
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.85 ng/ul	653035	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

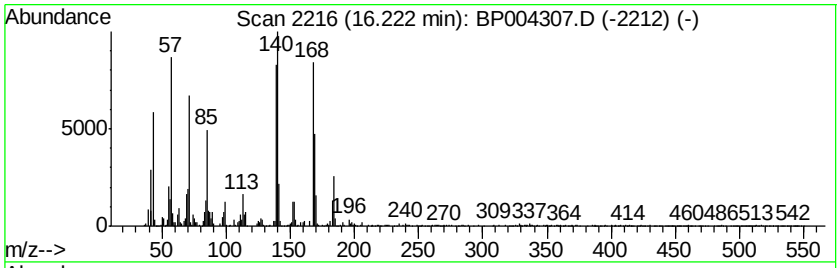
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

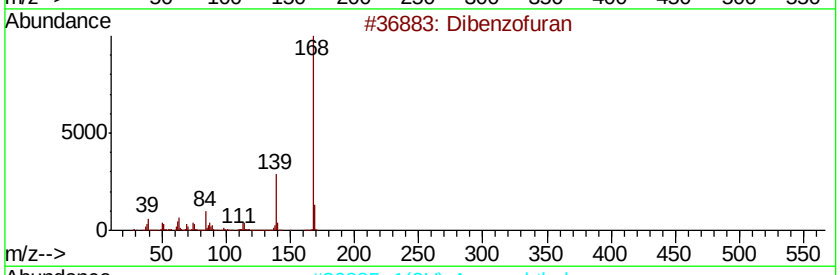
****

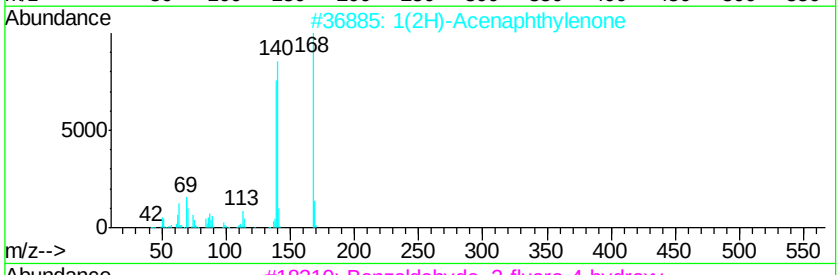
Peak Number 5 unknown-01 Concentration Rank 20

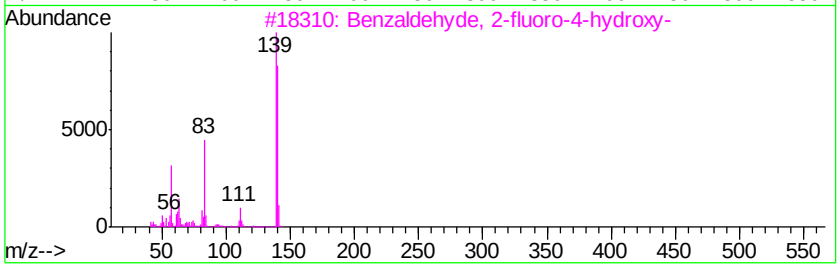
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	2.70 ng/ul	457465	Phenanthrene-d10	17.26

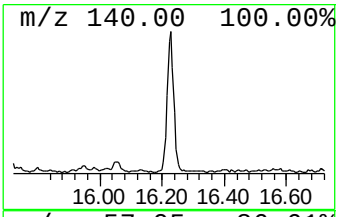
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	30
2	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	30
3	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	30
4	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	27
5	Dodecane	170	C12H26	000112-40-3	25

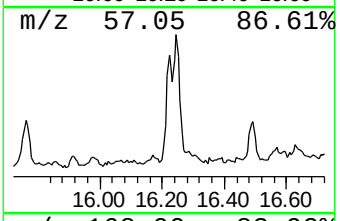


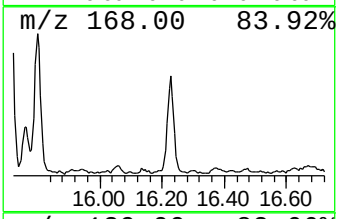


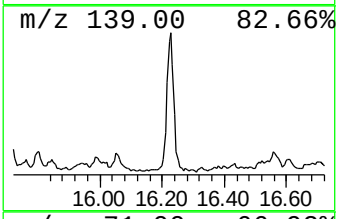


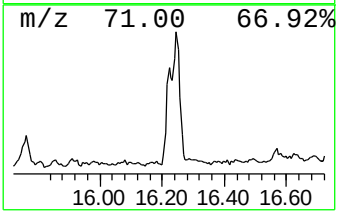












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Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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Quant Title : SVOA CALIBRATION

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

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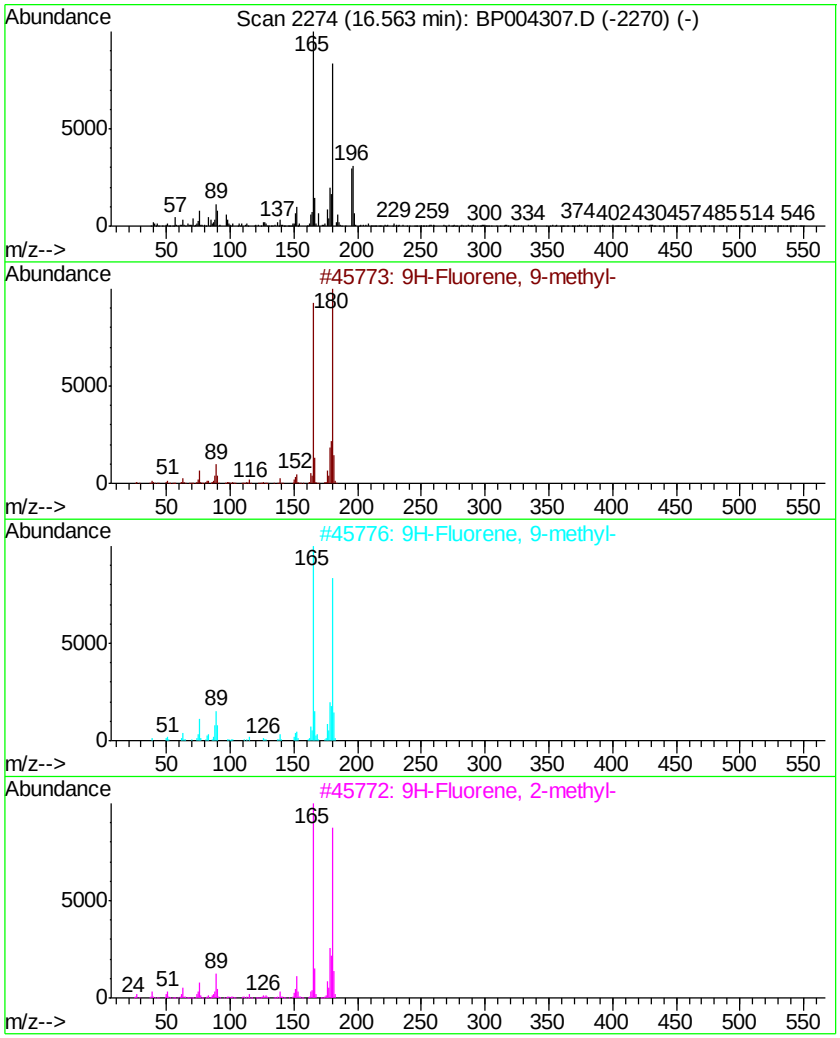
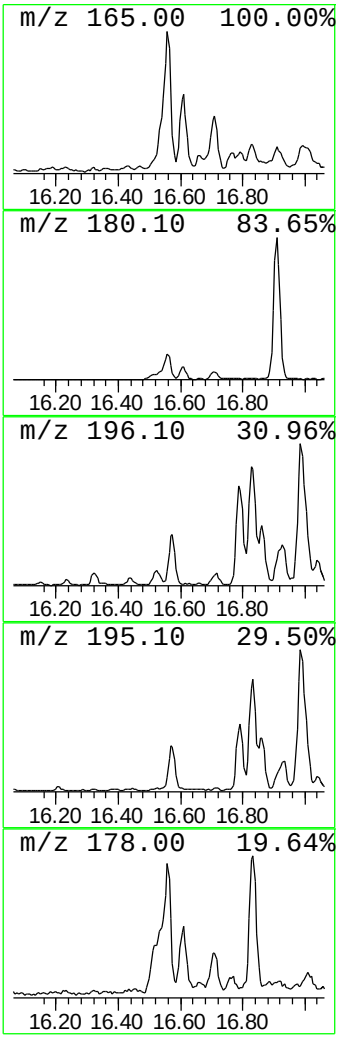
Peak Number 6 9H-Fluorene, 9-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.01 ng/ul	341234	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87





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ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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Quant Title : SVOA CALIBRATION

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

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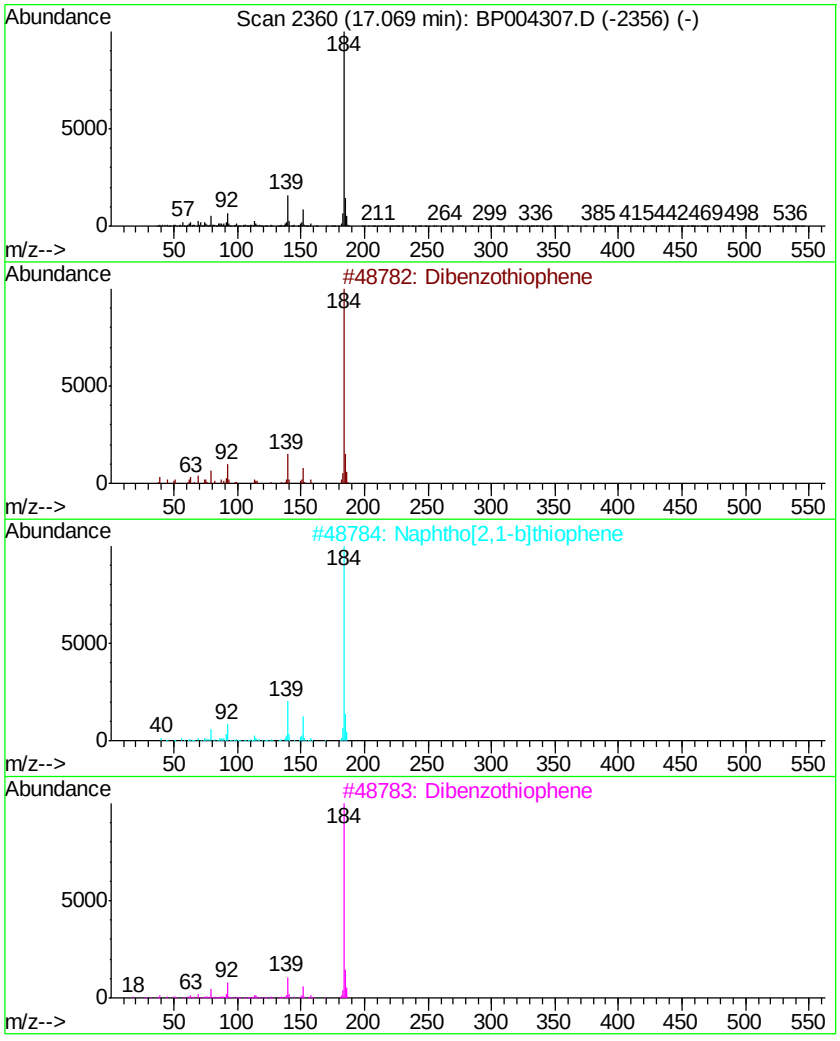
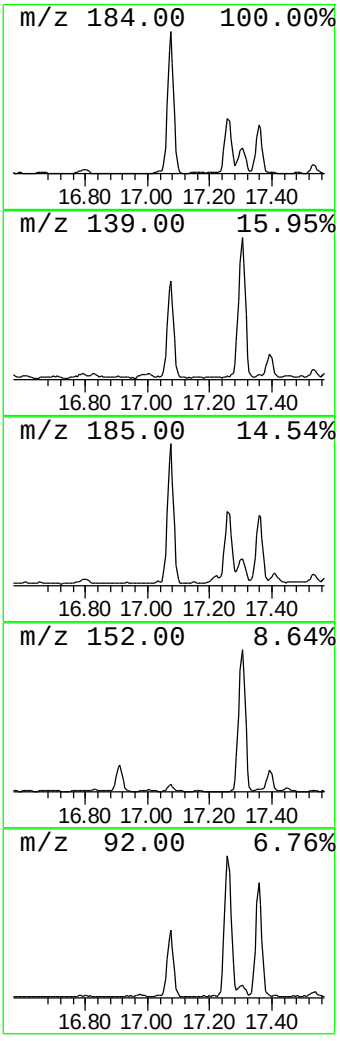
Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	7.10 ng/ul	1203610	Phenanthrene-d10	17.26

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	95
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95





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Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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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 Acridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	3.22 ng/ul	546317	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	96
2	Acridine	179	C13H9N	000260-94-6	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
4	Phenanthridine	179	C13H9N	000229-87-8	90
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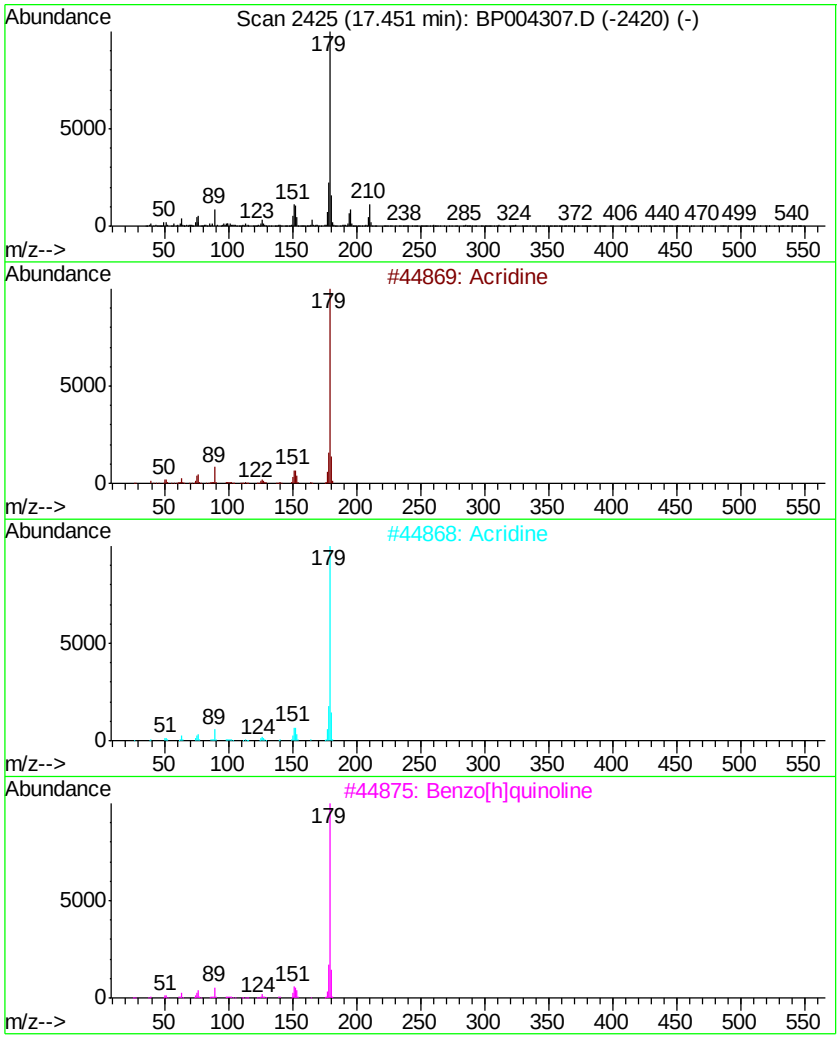

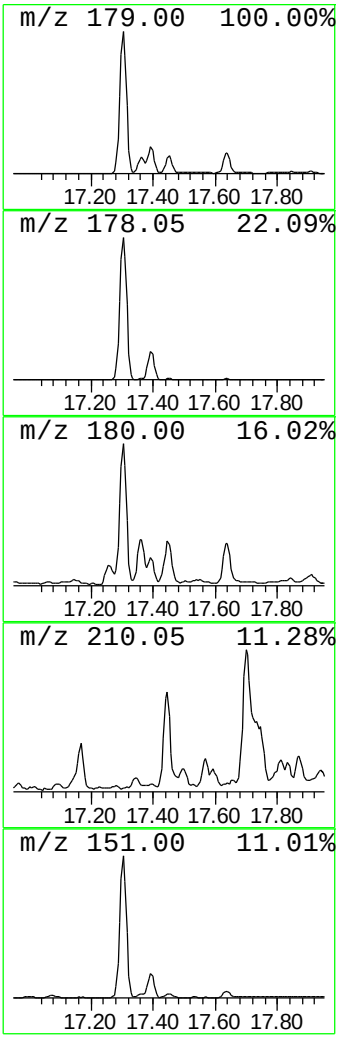

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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

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Quant Title : SVOA CALIBRATION

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

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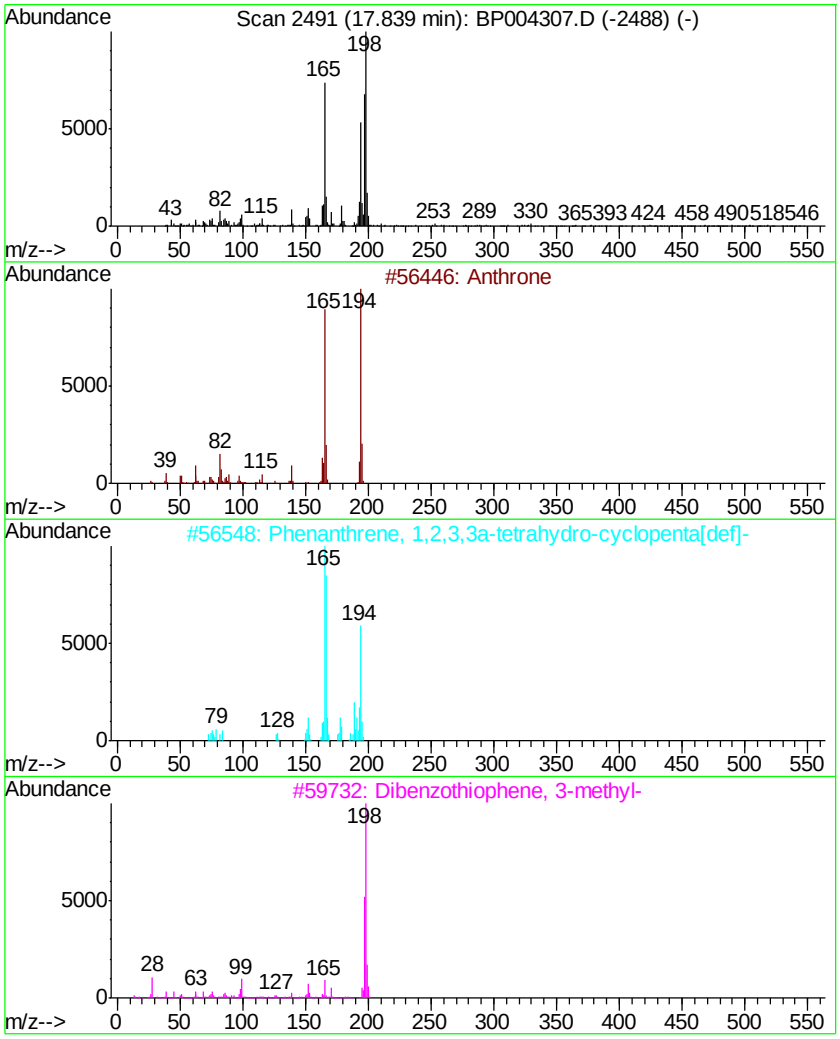
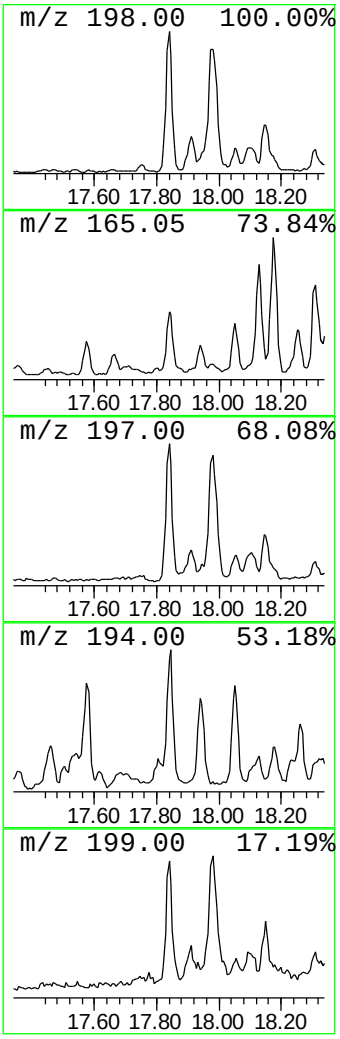
Peak Number 9 Anthrone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	2.39 ng/ul	404534	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	84
2	Phenanthrene, 1,2,3,3a-tetrahydr...	194	C15H14	091077-10-0	64
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58
4	Anthrone	194	C14H10O	000090-44-8	52
5	Thioxanthene	198	C13H10S	000261-31-4	52





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Quant Title : SVOA CALIBRATION

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

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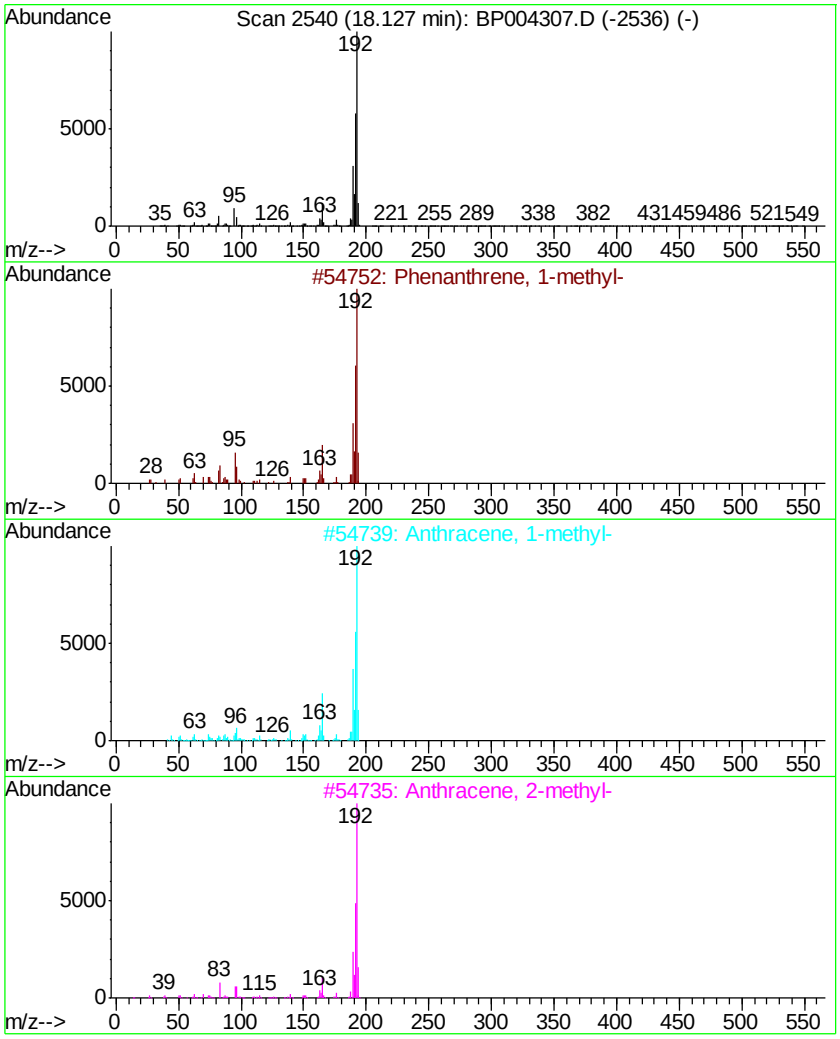
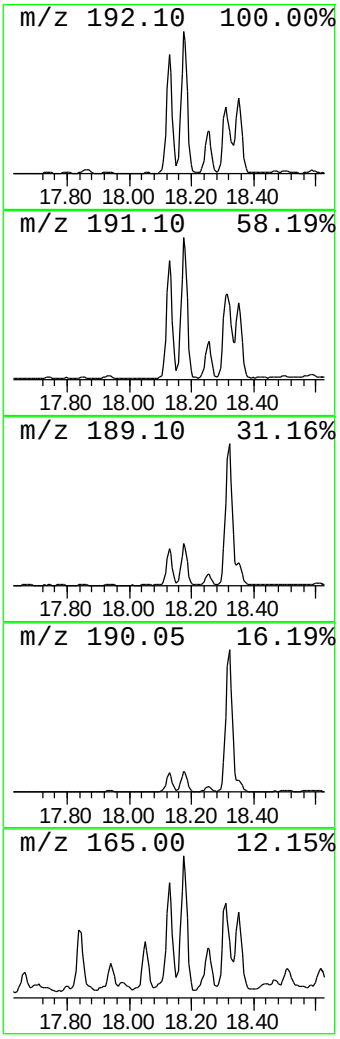
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	11.60 ng/ul	1966380	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Misc :
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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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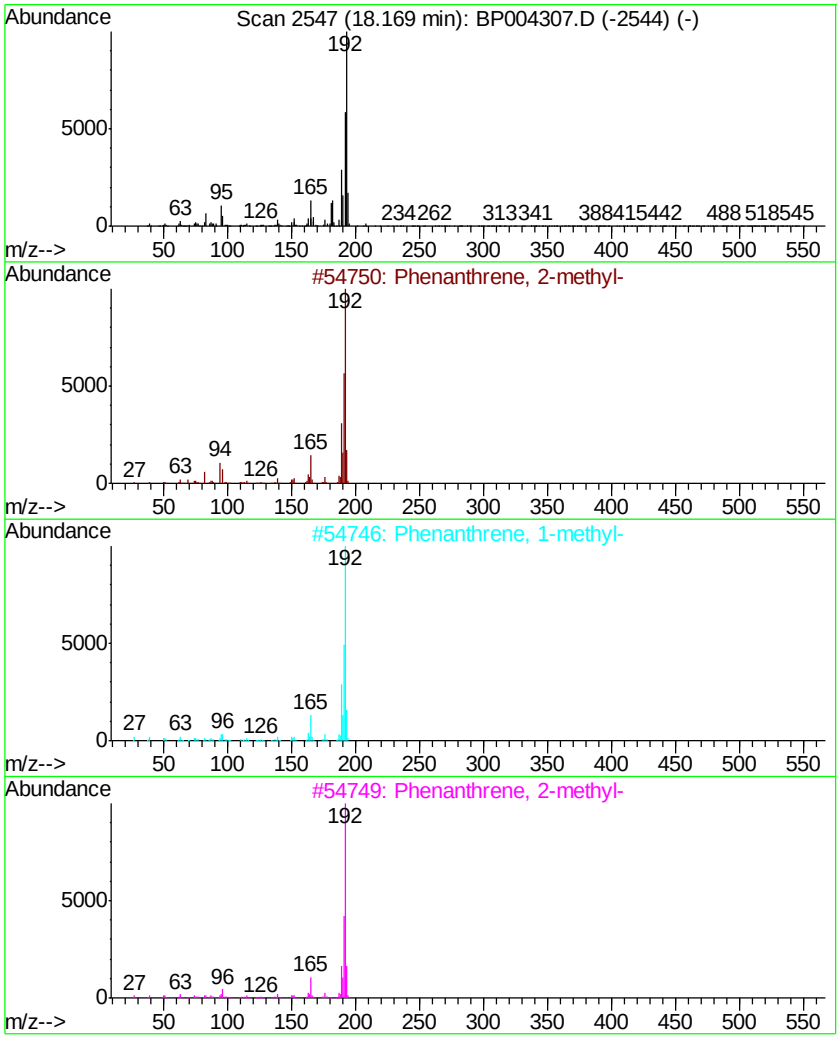
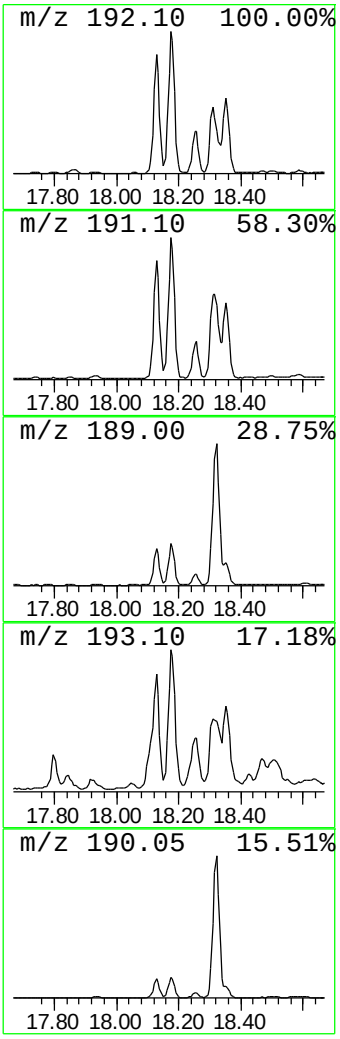
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	18.20 ng/ul	3085540	Phenanthrene-d10	17.26

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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Misc :
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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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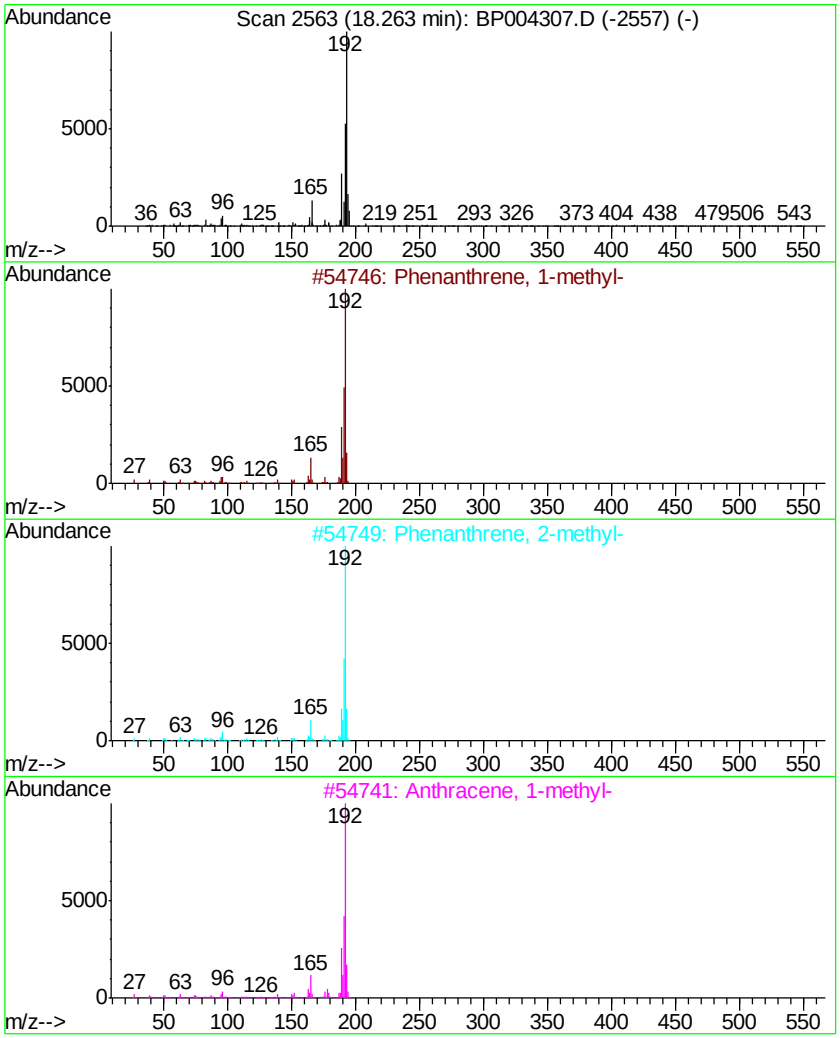
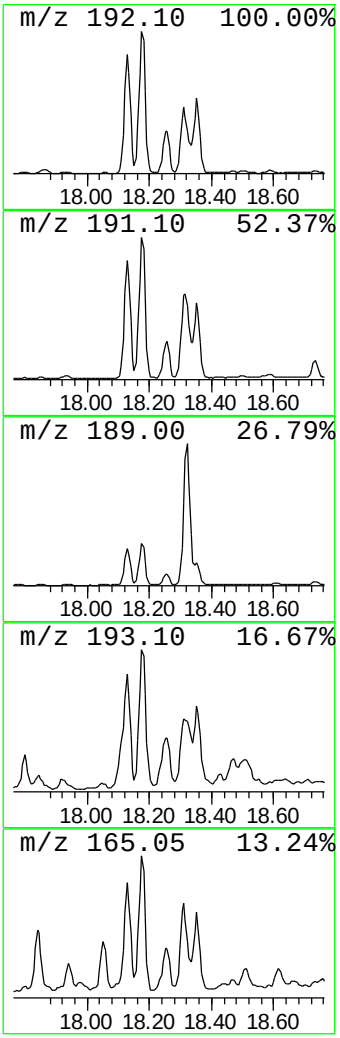
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	4.35 ng/ul	737941	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Quant Title : SVOA CALIBRATION

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

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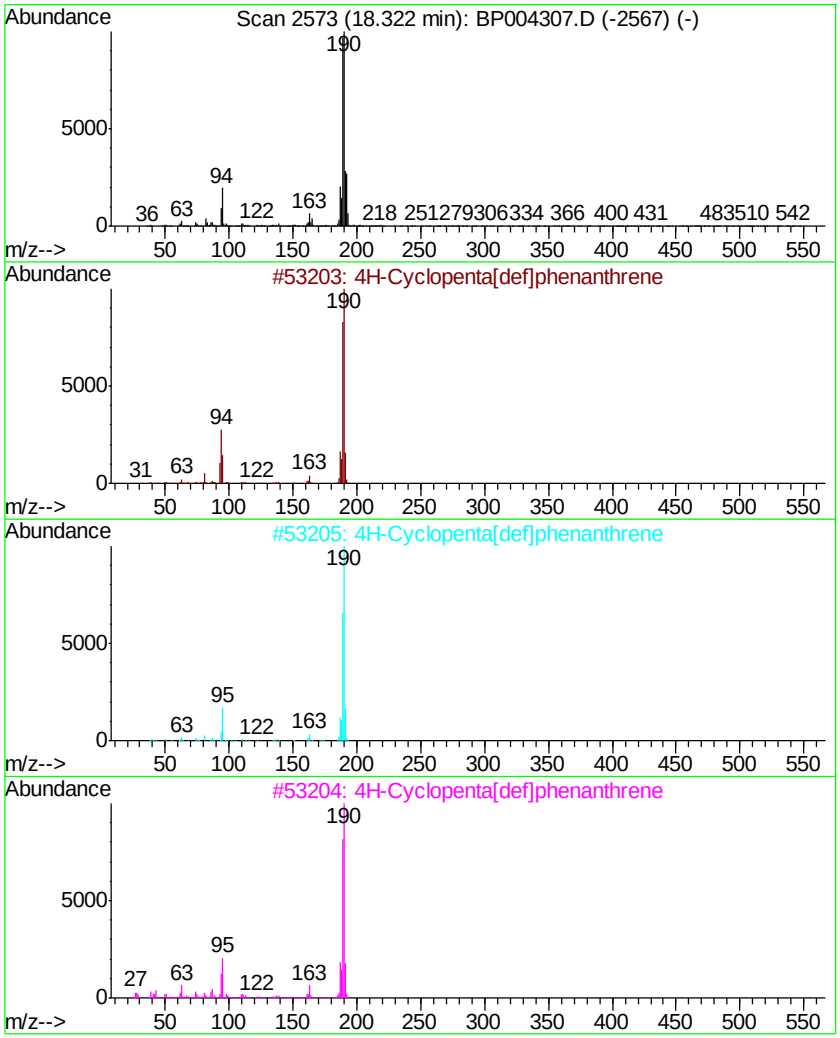
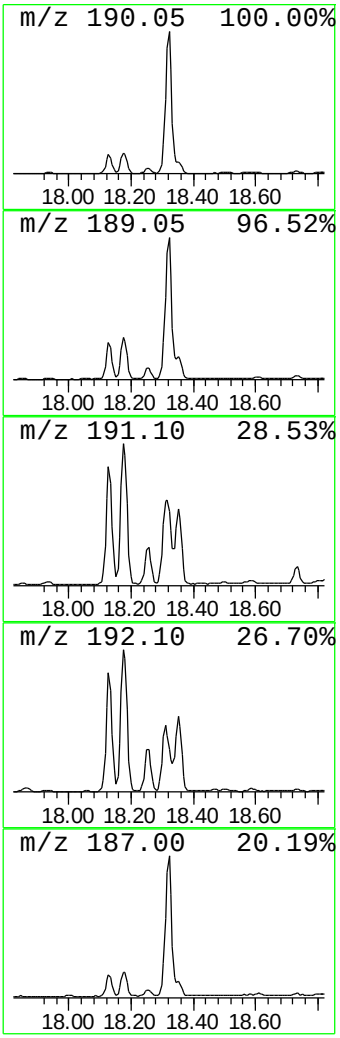
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	24.55 ng/ul	4162780	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Quant Title : SVOA CALIBRATION

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

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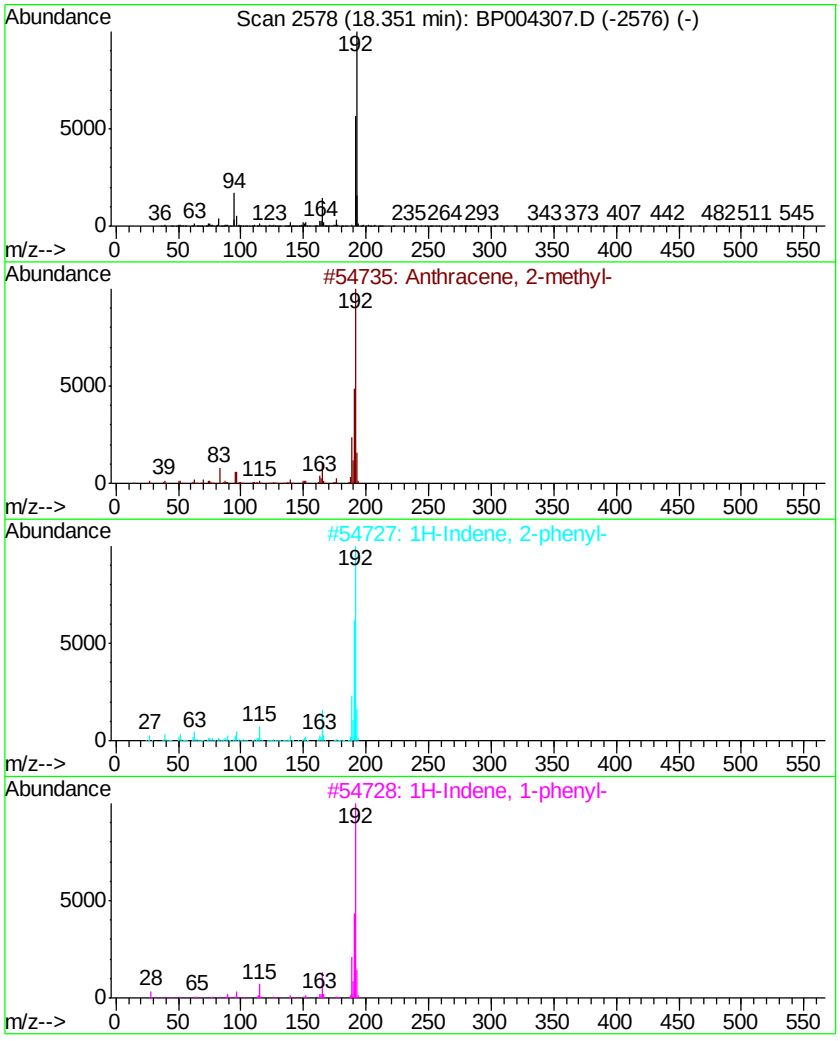
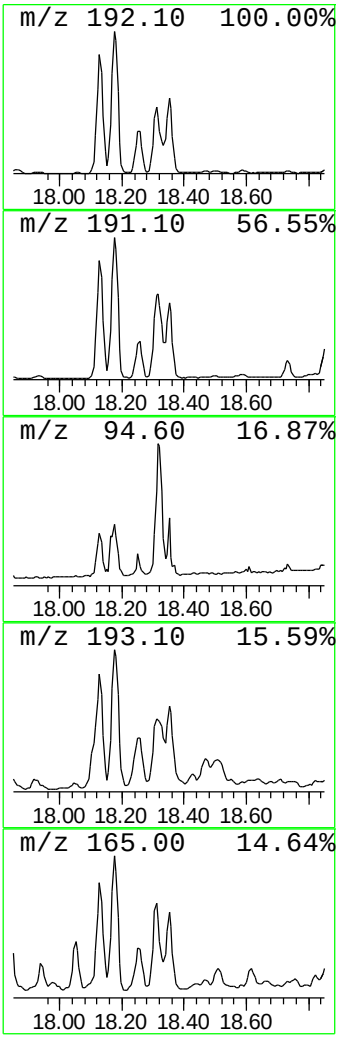
Peak Number 14 1H-Indene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	6.86 ng/ul	1162750	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Quant Title : SVOA CALIBRATION

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

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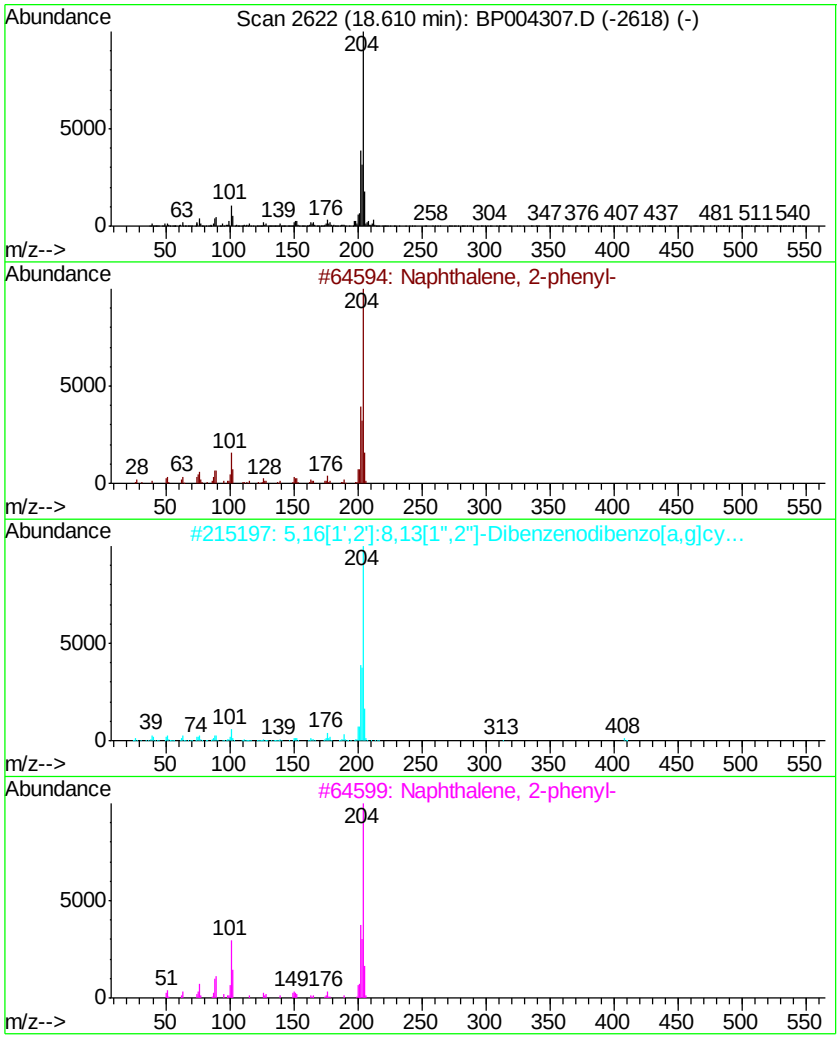
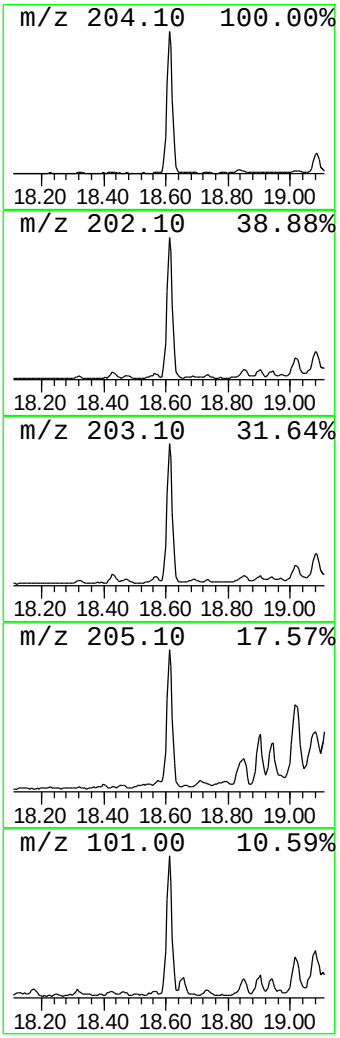
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	9.76 ng/ul	1654170	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	76





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Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

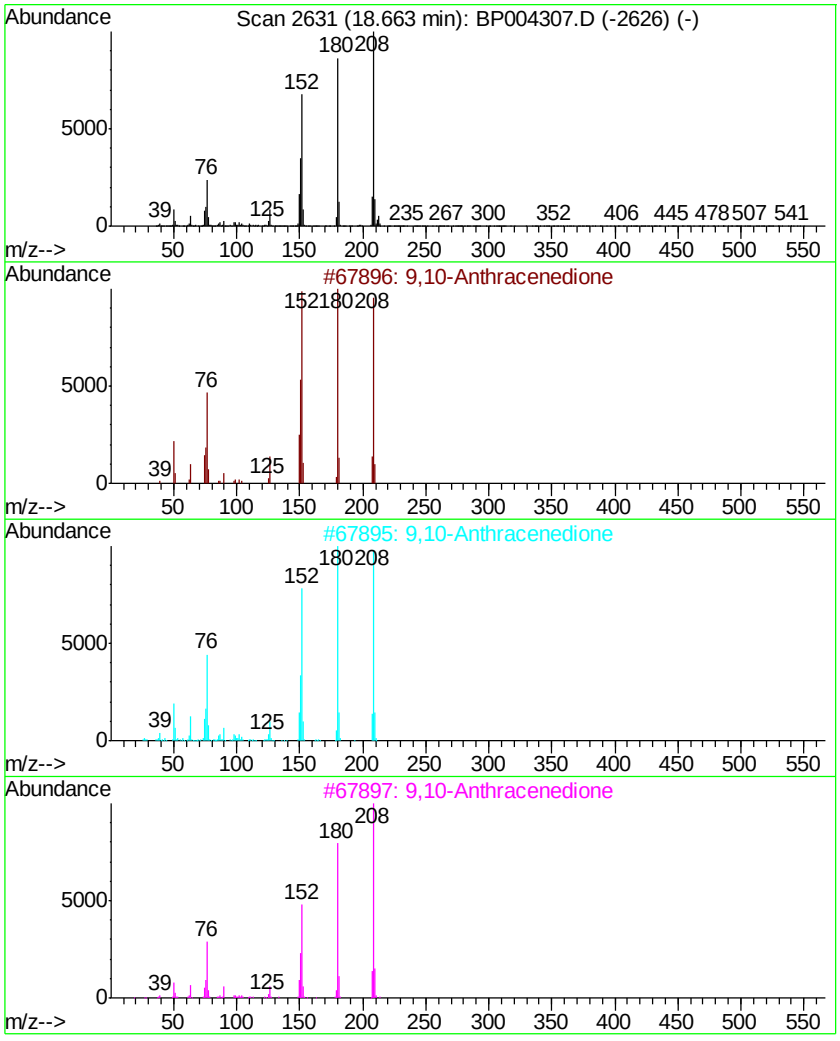
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

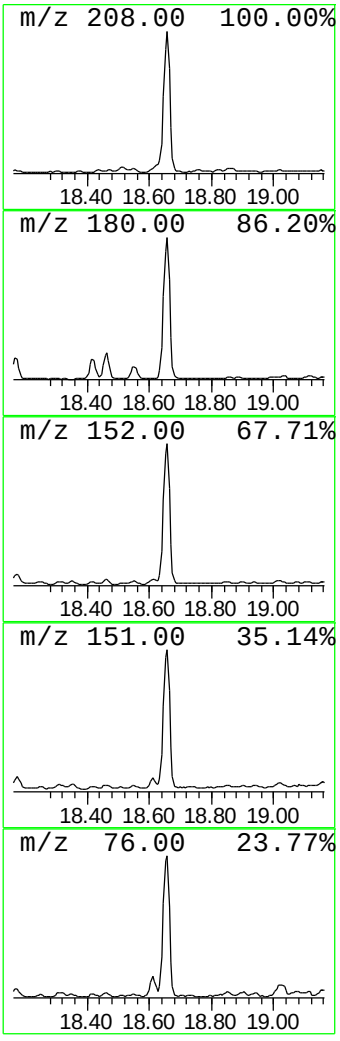
****

Peak Number 16 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	16.43 ng/ul	2786210	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

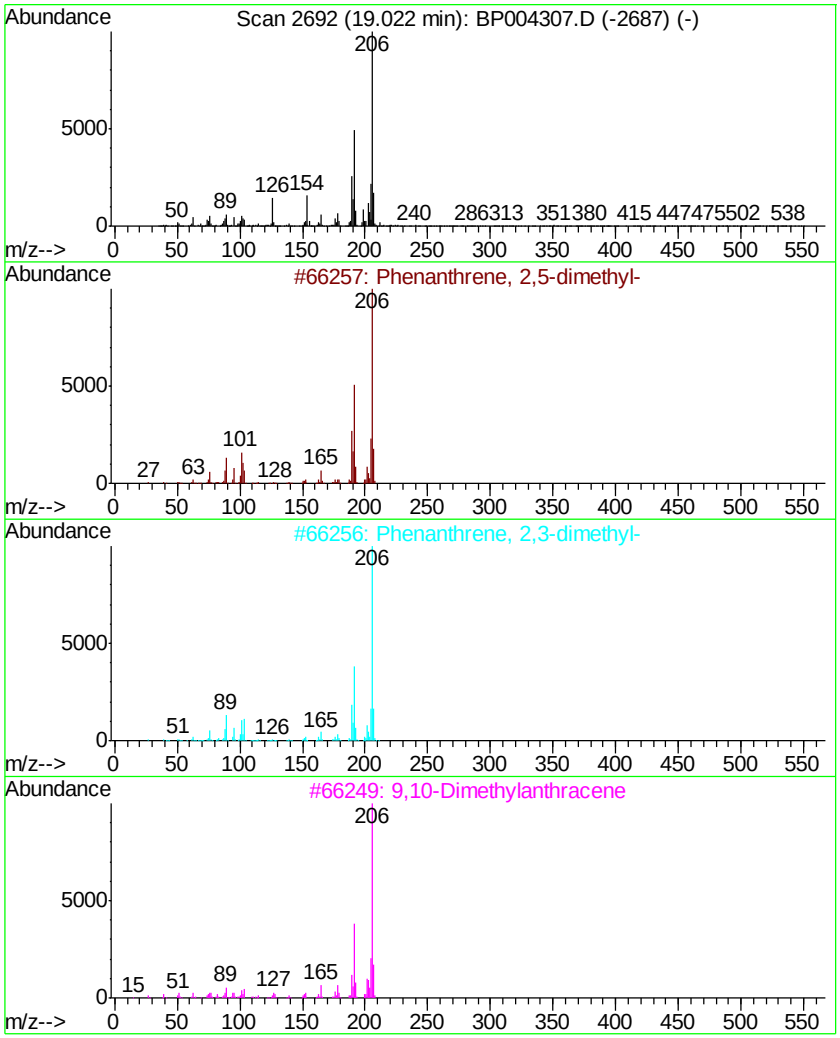
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

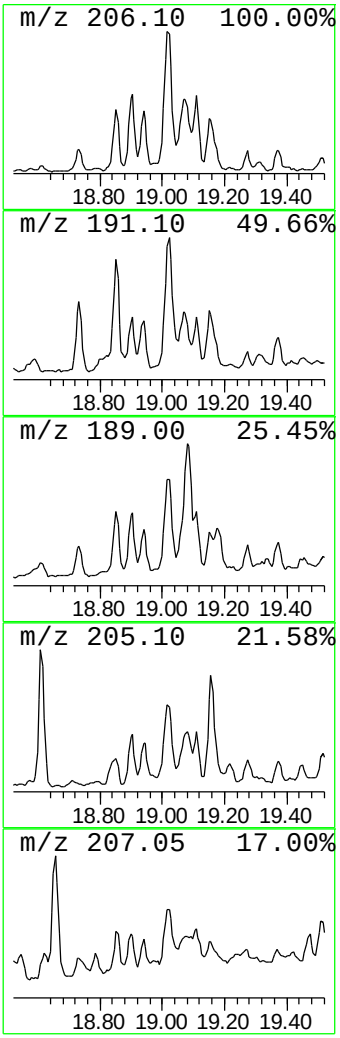
****

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	9.46 ng/ul	1604380	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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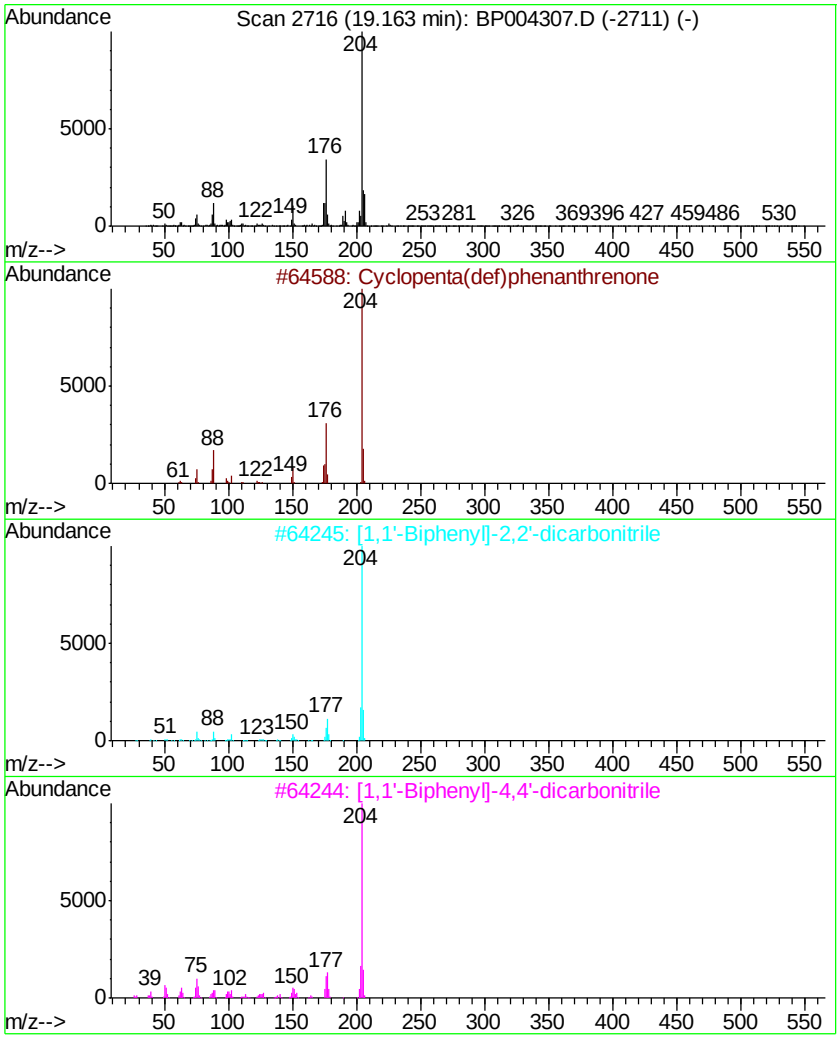
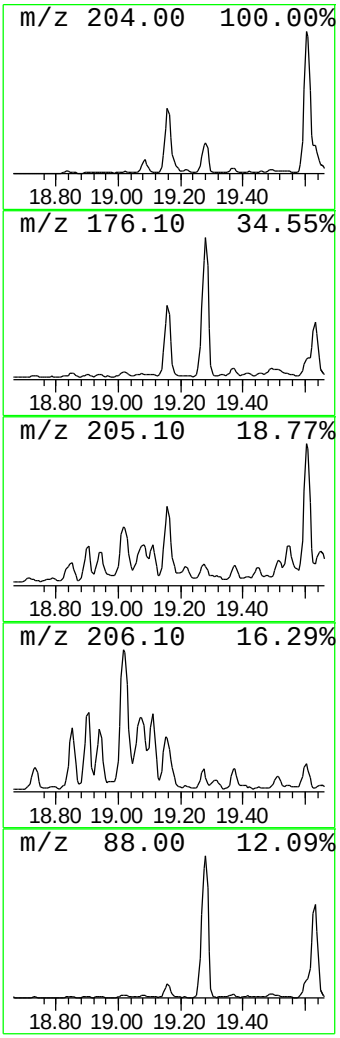
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	8.60 ng/ul	1457850	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47





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Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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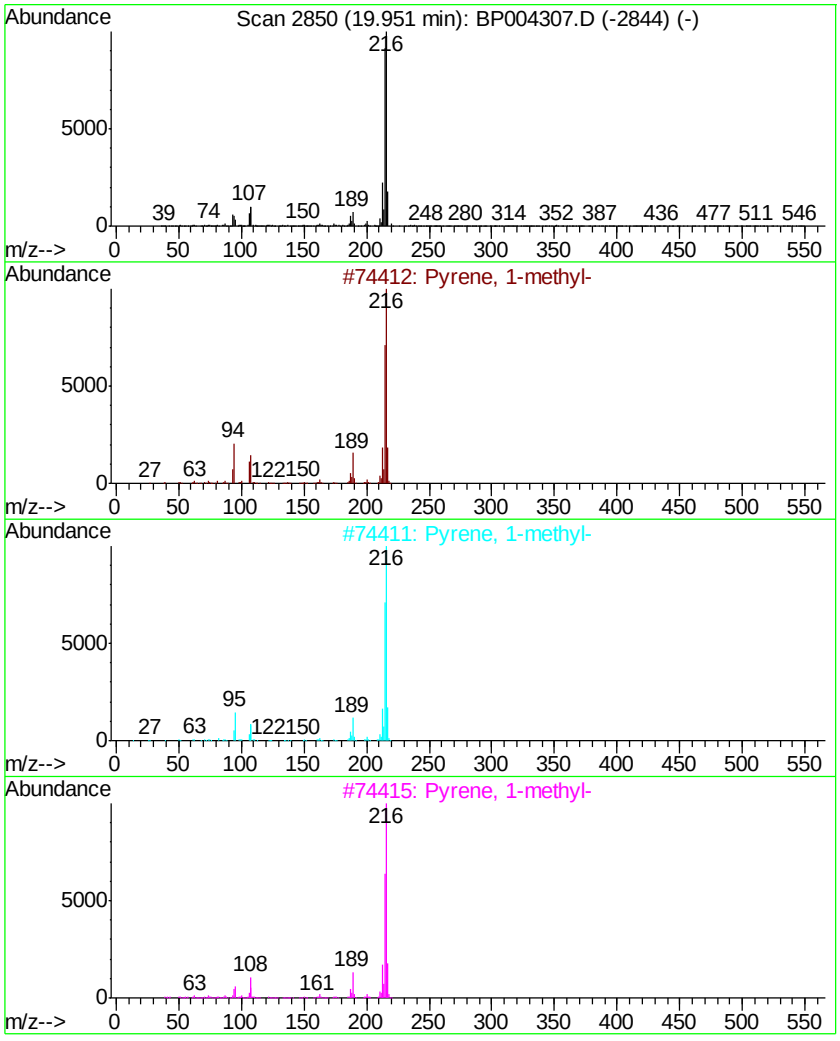
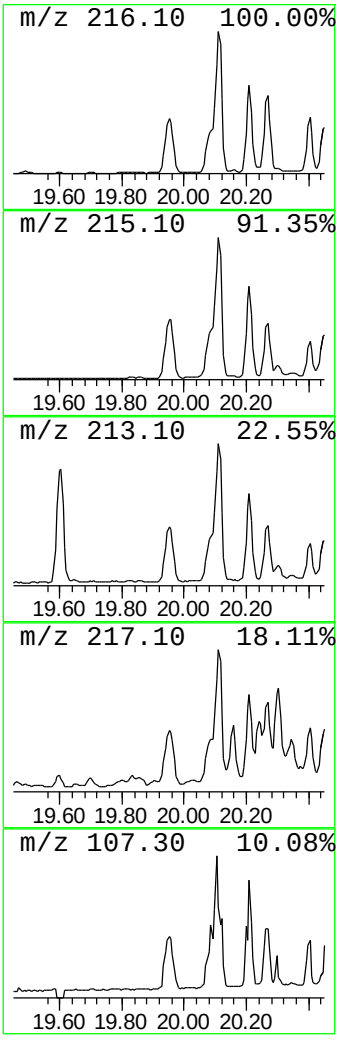
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	3.04 ng/ul	2670500	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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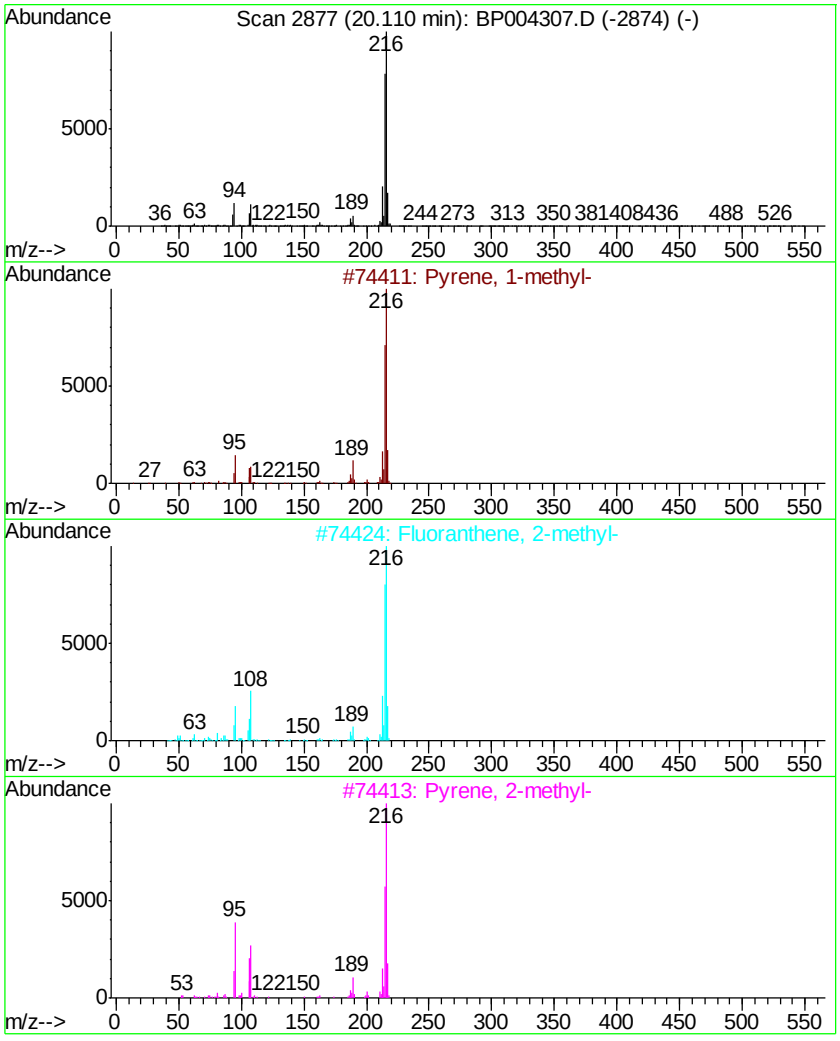
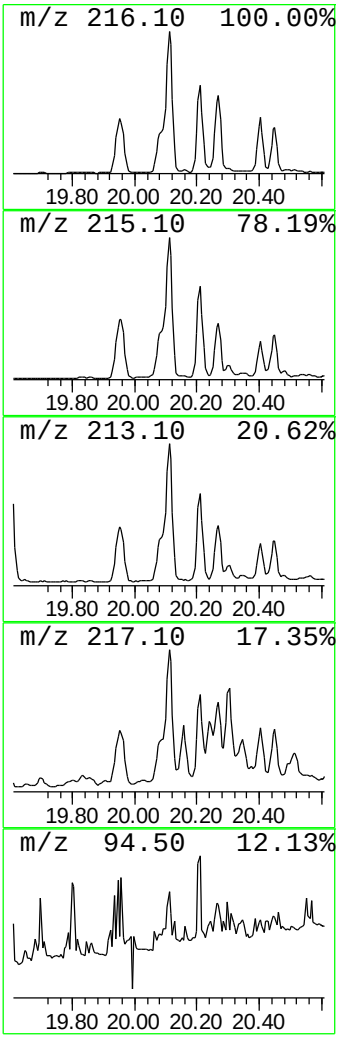
Peak Number 20 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.74 ng/ul	3286160	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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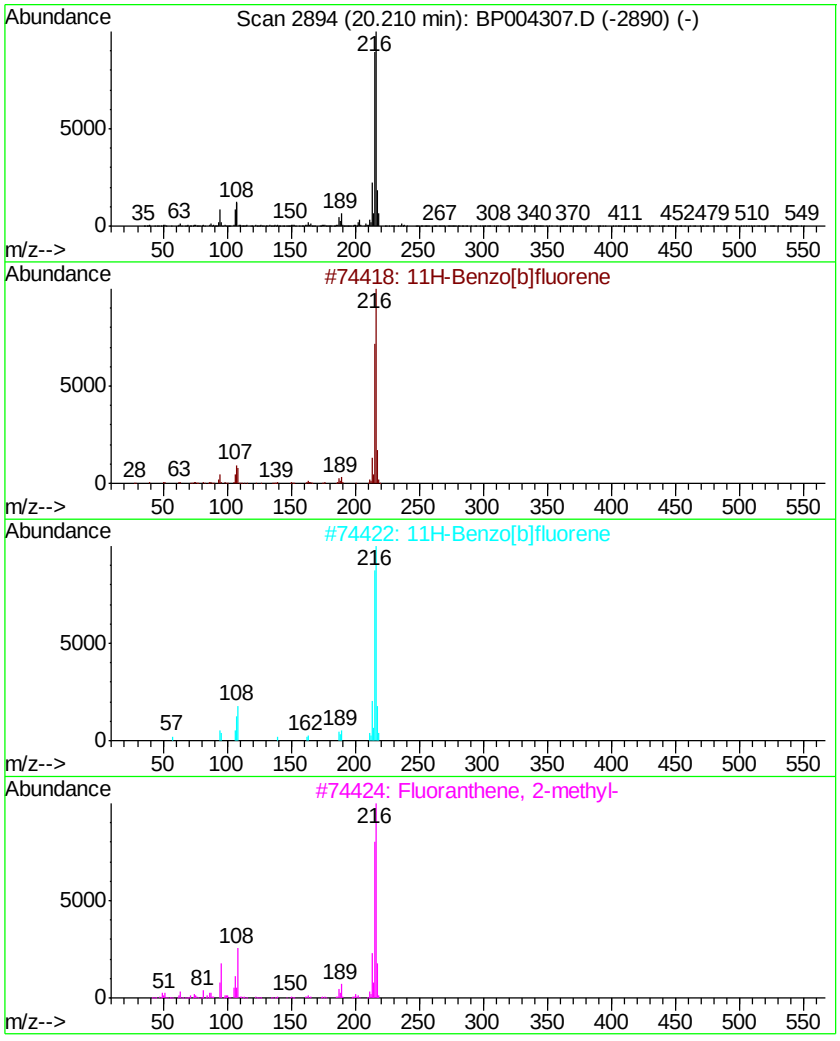
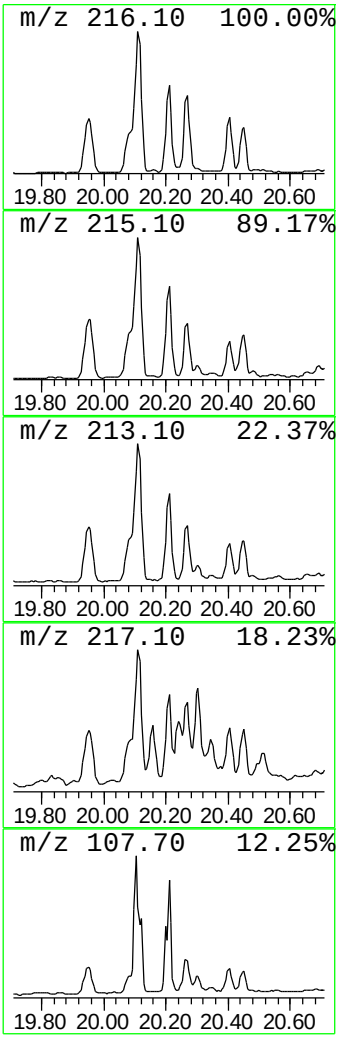
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.30 ng/ul	2024140	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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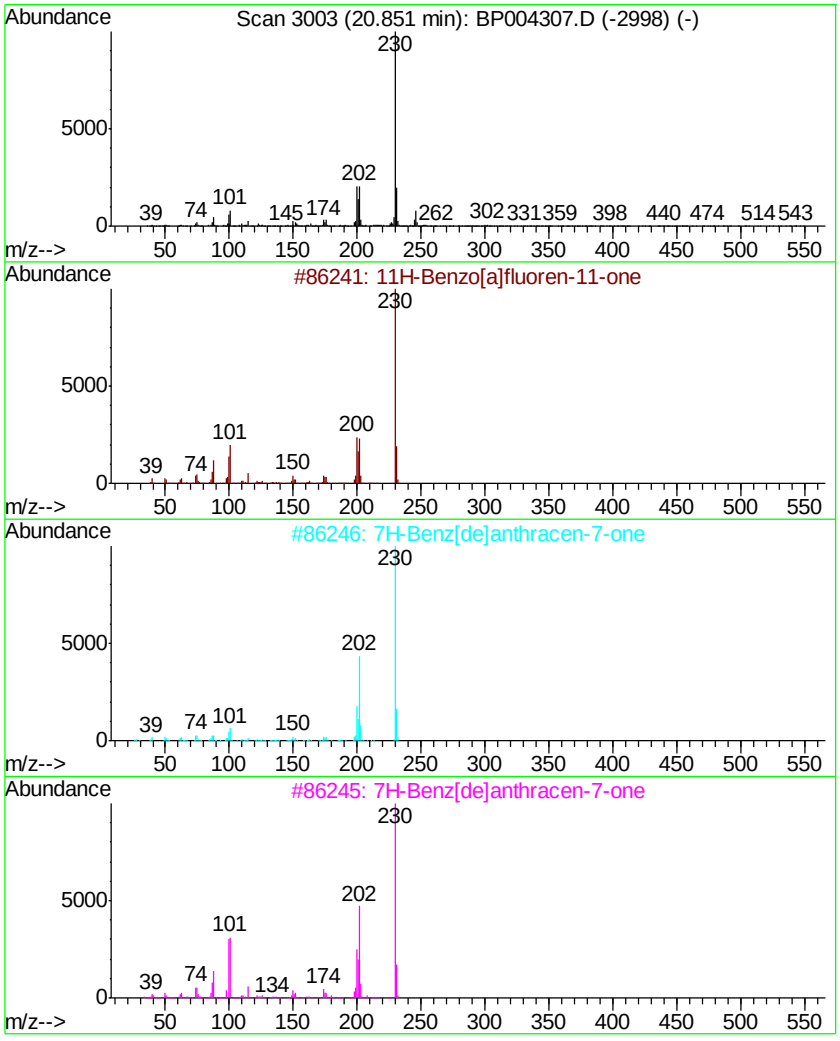
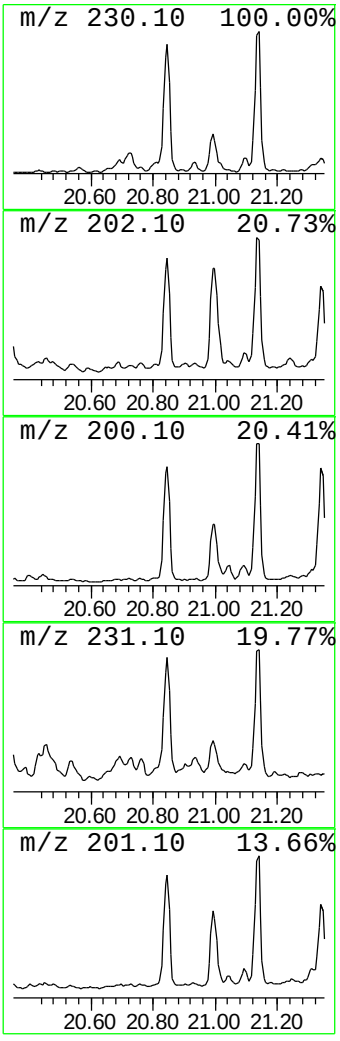
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.93 ng/ul	2574940	Chrysene-d12	21.36

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	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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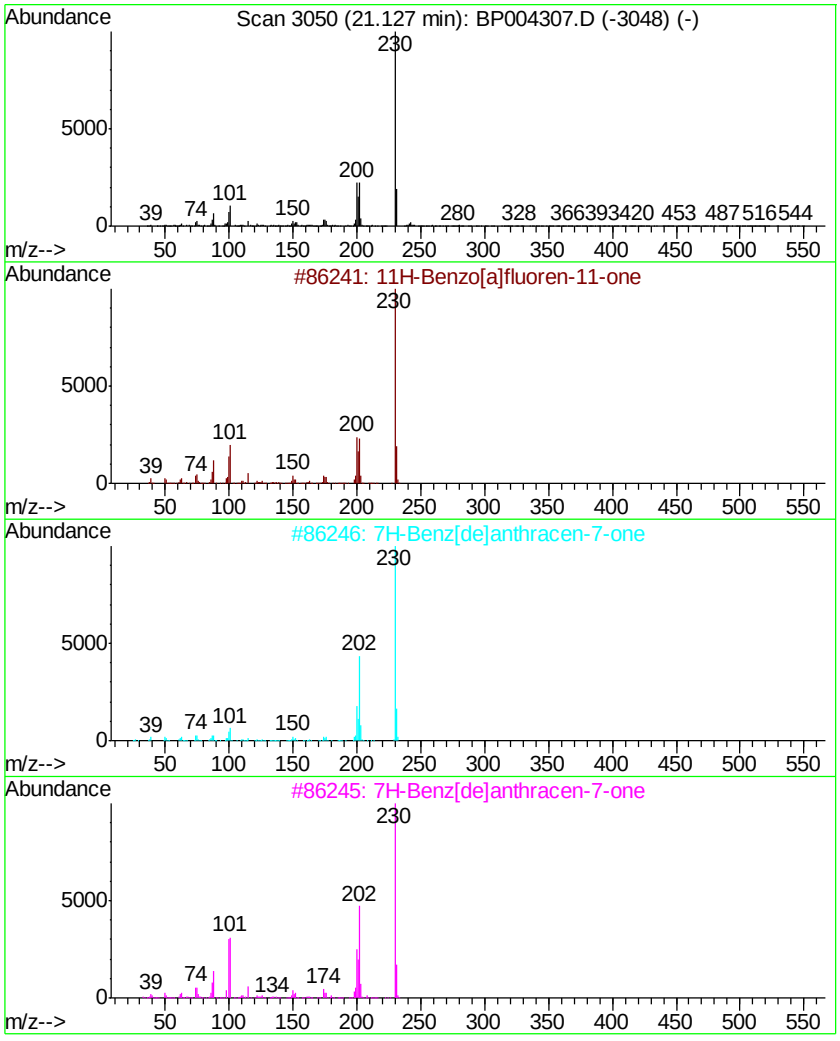
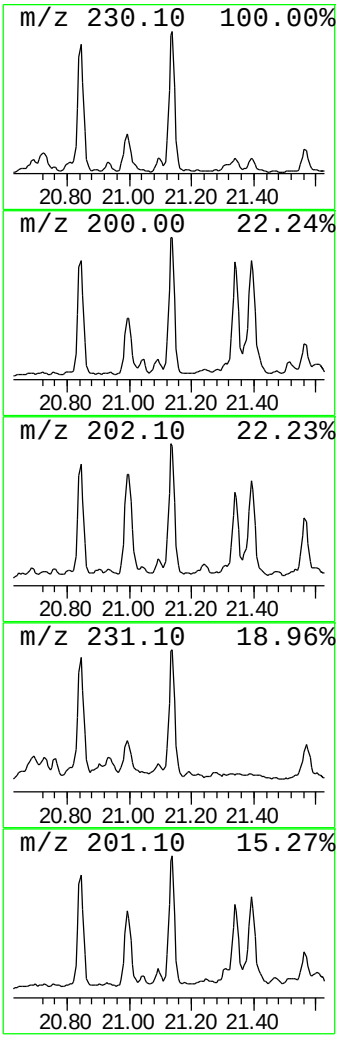
Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	3.38 ng/ul	2972080	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
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	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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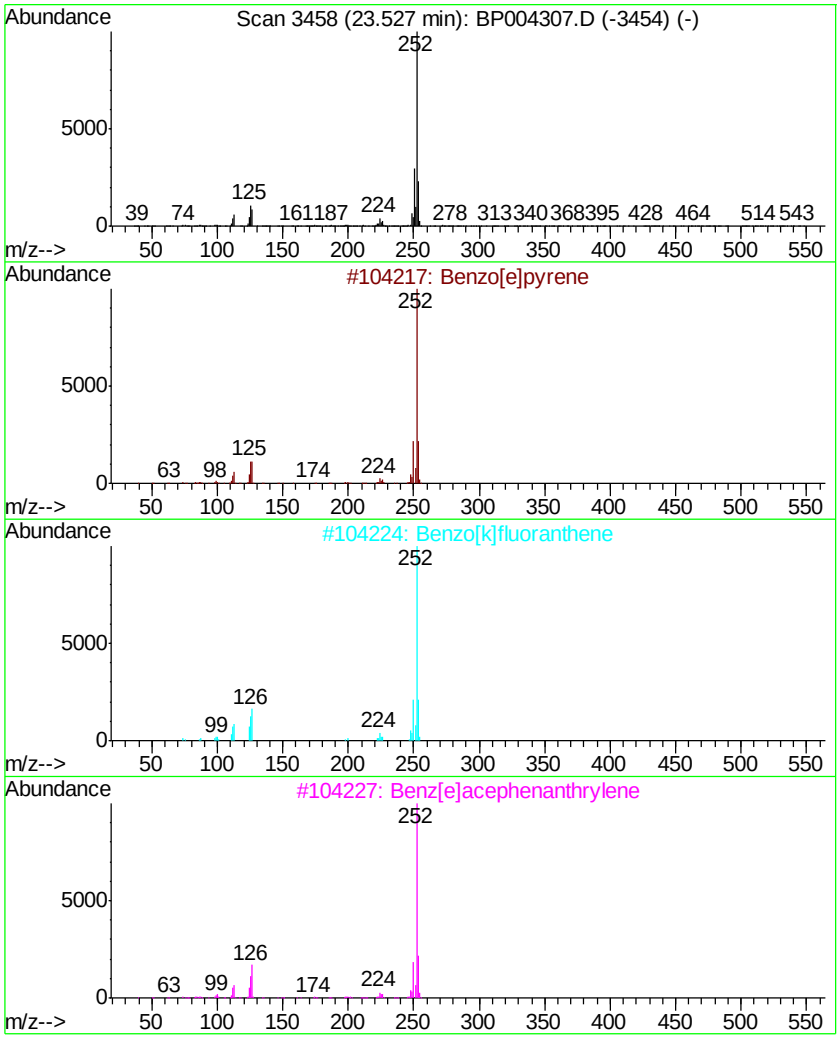
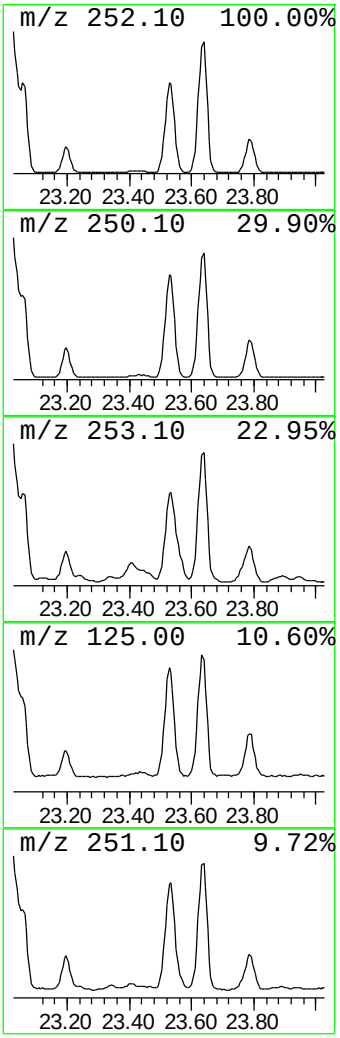
Peak Number 24 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	9.84 ng/ul	5949340	Perylene-d12	23.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
Data File : BP004307.D
Acq On : 15 Dec 2020 16:45
Operator : CG/JU
Sample : L5001-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54C8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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
2H-Pyran, 2-(brom...	3.84	2.9	ng/ul	226098	1	7.85	1539560	20.0
Naphthalene, 1-me...	12.53	2.6	ng/ul	311105	2	10.65	2346740	20.0
Dibenzofuran, 4-m...	15.85	3.1	ng/ul	493634	3	14.49	3181510	20.0
[1,1'-Biphenyl]-4...	15.99	3.9	ng/ul	653035	4	17.26	3391300	20.0
unknown-01	16.22	2.7	ng/ul	457465	4	17.26	3391300	20.0
9H-Fluorene, 9-me...	16.56	2.0	ng/ul	341234	4	17.26	3391300	20.0
Dibenzothiophene	17.07	7.1	ng/ul	1203610	4	17.26	3391300	20.0
Acridine	17.45	3.2	ng/ul	546317	4	17.26	3391300	20.0
Anthrone	17.84	2.4	ng/ul	404534	4	17.26	3391300	20.0
Anthracene, 2-met...	18.13	11.6	ng/ul	1966380	4	17.26	3391300	20.0
Phenanthrene, 2-m...	18.17	18.2	ng/ul	3085540	4	17.26	3391300	20.0
Phenanthrene, 1-m...	18.26	4.3	ng/ul	737941	4	17.26	3391300	20.0
4H-Cyclopenta[def...	18.32	24.6	ng/ul	4162780	4	17.26	3391300	20.0
1H-Indene, 1-phenyl-	18.35	6.9	ng/ul	1162750	4	17.26	3391300	20.0
Naphthalene, 2-ph...	18.61	9.8	ng/ul	1654170	4	17.26	3391300	20.0
9,10-Anthracenedione	18.66	16.4	ng/ul	2786210	4	17.26	3391300	20.0
Phenanthrene, 2,5...	19.02	9.5	ng/ul	1604380	4	17.26	3391300	20.0
Cyclopenta(def)ph...	19.16	8.6	ng/ul	1457850	4	17.26	3391300	20.0
Pyrene, 1-methyl-	19.95	3.0	ng/ul	2670500	5	21.36	17566800	20.0
Fluoranthene, 2-m...	20.11	3.7	ng/ul	3286160	5	21.36	17566800	20.0
11H-Benzo[b]fluorene	20.21	2.3	ng/ul	2024140	5	21.36	17566800	20.0
11H-Benzo[a]fluor...	20.85	2.9	ng/ul	2574940	5	21.36	17566800	20.0
7H-Benz[de]anthra...	21.13	3.4	ng/ul	2972080	5	21.36	17566800	20.0
Benzo[e]pyrene	23.53	9.8	ng/ul	5949340	6	23.73	12088700	20.0