LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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	108	111	116	rVB2	73932	101246	0.55%	0.057%
2	5.922	462	465	477	rVB2	33779	63810	0.35%	0.036%
3	6.999	642	648	658	rVB	582242	988541	5.37%	0.558%
4	7.169	671	677	686	rVB	420838	693504	3.77%	0.391%
5	7.369	704	711	717	rBV	615067	997622	5.42%	0.563%
6	7.428	717	721	735	rVB	117612	200056	1.09%	0.113%
7	7.834	784	790	799	rBV	1171091	1887273	10.26%	1.065%
8	8.534	903	909	917	rBV	714344	1136640	6.18%	0.641%
9	8.604	917	921	926	rVB5	16284	27996	0.15%	0.016%
10	8.987	979	986	994	rVB	517115	879293	4.78%	0.496%
11	9.428	1056	1061	1066	rBV4	24027	37424	0.20%	0.021%
12	9.710	1103	1109	1117	rBV	407184	693931	3.77%	0.391%
13	10.251	1193	1201	1211	rBV	745333	1265726	6.88%	0.714%
14	10.634	1257	1266	1271	rBV	1593189	2762430	15.02%	1.558%
15	10.681	1271	1274	1281	rVV	485878	746236	4.06%	0.421%
16	10.763	1281	1288	1305	rVB	502310	946692	5.15%	0.534%
17	11.457	1401	1406	1414	rVB	35094	63546	0.35%	0.036%
18	12.122	1516	1519	1526	rBV8	10842	23363	0.13%	0.013%
19	12.298	1542	1549	1555	rBV	297279	465935	2.53%	0.263%
20	12.410	1562	1568	1575	rBV3	22632	45952	0.25%	0.026%
21	12.516	1578	1586	1598	rVB	198698	333562	1.81%	0.188%
22	13.016	1665	1671	1679	rVB	16393	31945	0.17%	0.018%
23	13.087	1679	1683	1689	rVB4	27304	41585	0.23%	0.023%
24	13.310	1715	1721	1726	rBV	125712	183627	1.00%	0.104%
25	13.381	1726	1733	1741	rBV	674182	1023296	5.56%	0.577%
26	13.510	1749	1755	1766	rVB	52988	105560	0.57%	0.060%
27	13.640	1770	1777	1779	rBV	89509	141244	0.77%	0.080%
28	13.798	1796	1804	1809	rBV2	157261	296826	1.61%	0.167%
29	13.887	1814	1819	1823	rVV	1250082	1780073	9.68%	1.004%
30	13.934	1823	1827	1833	rVV	358657	491435	2.67%	0.277%
31	14.040	1836	1845	1849	rVV2	84955	163689	0.89%	0.092%
32	14.069	1849	1850	1855	rVB2	32014	30598	0.17%	0.017%
33	14.175	1861	1868	1880	rVB	1510081	2466358	13.41%	1.391%
34	14.392	1901	1905	1909	rBV7	19148	32498	0.18%	0.018%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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	14.481	1911	1920	1926	rVV2	2437082	3777510	20.53%	2.131%
36	14.545	1926	1931	1938	rVB	790651	1159576	6.30%	0.654%
37	14.610	1938	1942	1947	rVB	76297	110775	0.60%	0.062%
38	14.675	1947	1953	1965	rBV2	518700	896711	4.87%	0.506%
39	14.792	1965	1973	1977	rBV5	46114	96306	0.52%	0.054%
40	14.881	1983	1988	1996	rVB	807524	1225090	6.66%	0.691%
41	14.957	1997	2001	2008	rVB	65119	93434	0.51%	0.053%
42	15.104	2019	2026	2031	rBV2	74292	144083	0.78%	0.081%
43	15.157	2031	2035	2041	rVB3	69975	108250	0.59%	0.061%
44	15.275	2048	2055	2058	rBV2	64267	141025	0.77%	0.080%
45	15.481	2083	2090	2095	rVV	1894806	2836666	15.42%	1.600%
46	15.534	2095	2099	2107	rVV	935260	1383949	7.52%	0.781%
47	15.616	2107	2113	2117	rVV4	150006	346063	1.88%	0.195%
48	15.657	2117	2120	2124	rVV	134772	211041	1.15%	0.119%
49	15.698	2124	2127	2132	rVV2	157382	258595	1.41%	0.146%
50	15.745	2133	2135	2139	rVV4	67067	106574	0.58%	0.060%
51	15.786	2139	2142	2145	rVV2	88805	132578	0.72%	0.075%
52	15.834	2145	2150	2158	rVB	281014	462428	2.51%	0.261%
53	15.981	2170	2175	2182	rVB	337430	671050	3.65%	0.379%
54	16.069	2182	2190	2196	rVB3	79306	170435	0.93%	0.096%
55	16.175	2205	2208	2210	rBV	47003	57728	0.31%	0.033%
56	16.210	2211	2214	2220	rVB4	109549	163211	0.89%	0.092%
57	16.522	2260	2267	2268	rBV2	121193	220744	1.20%	0.125%
58	16.545	2268	2271	2276	rVV2	181507	282201	1.53%	0.159%
59	16.592	2276	2279	2285	rVB2	110850	160448	0.87%	0.091%
60	16.645	2285	2288	2291	rBV3	51280	75769	0.41%	0.043%
61	16.775	2302	2310	2313	rBV3	164900	330871	1.80%	0.187%
62	16.816	2314	2317	2320	rVB2	135267	171483	0.93%	0.097%
63	16.892	2325	2330	2338	rVB	564940	837801	4.55%	0.473%
64	16.975	2339	2344	2354	rBV2	190708	561197	3.05%	0.317%
65	17.057	2354	2358	2368	rVB	664505	1045302	5.68%	0.590%
66	17.245	2384	2390	2393	rBV	2993544	4610692	25.06%	2.601%
67	17.286	2393	2397	2402	rVV	10225048	14713874	79.98%	8.300%
68	17.339	2402	2406	2409	rVV2	2272419	3314913	18.02%	1.870%
69	17.375	2409	2412	2417	rVV	2159381	2900612	15.77%	1.636%
70	17.433	2417	2422	2427	rVV	413766	611368	3.32%	0.345%
71	17.522	2434	2437	2440	rBV2	63451	82615	0.45%	0.047%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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	17.645	2449	2458	2463	rBV2	1295197	2120395	11.53%	1.196%
73	17.763	2475	2478	2483	rBV2	150792	209447	1.14%	0.118%
74	17.822	2485	2488	2497	rVB3	192540	294523	1.60%	0.166%
75	18.033	2521	2524	2528	rBV3	115607	158485	0.86%	0.089%
76	18.110	2533	2537	2541	rVV	1126316	1803788	9.80%	1.017%
77	18.157	2541	2545	2551	rVB	1786060	2570037	13.97%	1.450%
78	18.233	2554	2558	2563	rVB	531131	777063	4.22%	0.438%
79	18.304	2564	2570	2573	rVV2	1632188	2847386	15.48%	1.606%
80	18.333	2573	2575	2581	rVB	757618	996440	5.42%	0.562%
81	18.598	2616	2620	2623	rBV	909455	1201790	6.53%	0.678%
82	18.633	2623	2626	2633	rVB	1322680	1693194	9.20%	0.955%
83	18.833	2658	2660	2664	rVB	250825	267225	1.45%	0.151%
84	19.004	2685	2689	2693	rBV2	511168	795119	4.32%	0.448%
85	19.133	2708	2711	2720	rBV2	562634	877106	4.77%	0.495%
86	19.257	2727	2732	2738	rVB	13365507	18397603	100.00%	10.377%
87	19.580	2782	2787	2789	rBV2	5078526	7281127	39.58%	4.107%
88	19.610	2789	2792	2799	rVV	10901421	15140003	82.29%	8.540%
89	19.680	2801	2804	2809	rVB2	578170	827059	4.50%	0.467%
90	19.780	2818	2821	2827	rBV	768285	1124208	6.11%	0.634%
91	19.845	2828	2832	2836	rVB	634067	887021	4.82%	0.500%
92	19.922	2841	2845	2846	rBV	677257	886307	4.82%	0.500%
93	20.092	2871	2874	2879	rVB	1583948	1910217	10.38%	1.077%
94	20.192	2888	2891	2894	rVB	724121	770913	4.19%	0.435%
95	20.822	2995	2998	3004	rVB	1157302	1499530	8.15%	0.846%
96	21.321	3079	3083	3088	rBV3	7541405	13876842	75.43%	7.827%
97	21.369	3088	3091	3099	rVB	6336540	8902345	48.39%	5.022%
98	22.980	3360	3365	3371	rBV	4903637	12111197	65.83%	6.832%
99	23.492	3448	3452	3457	rVB	2162469	3337853	18.14%	1.883%
100	23.592	3465	3469	3477	rVB	4436769	8097849	44.02%	4.568%

Sum of corrected areas: 177284552

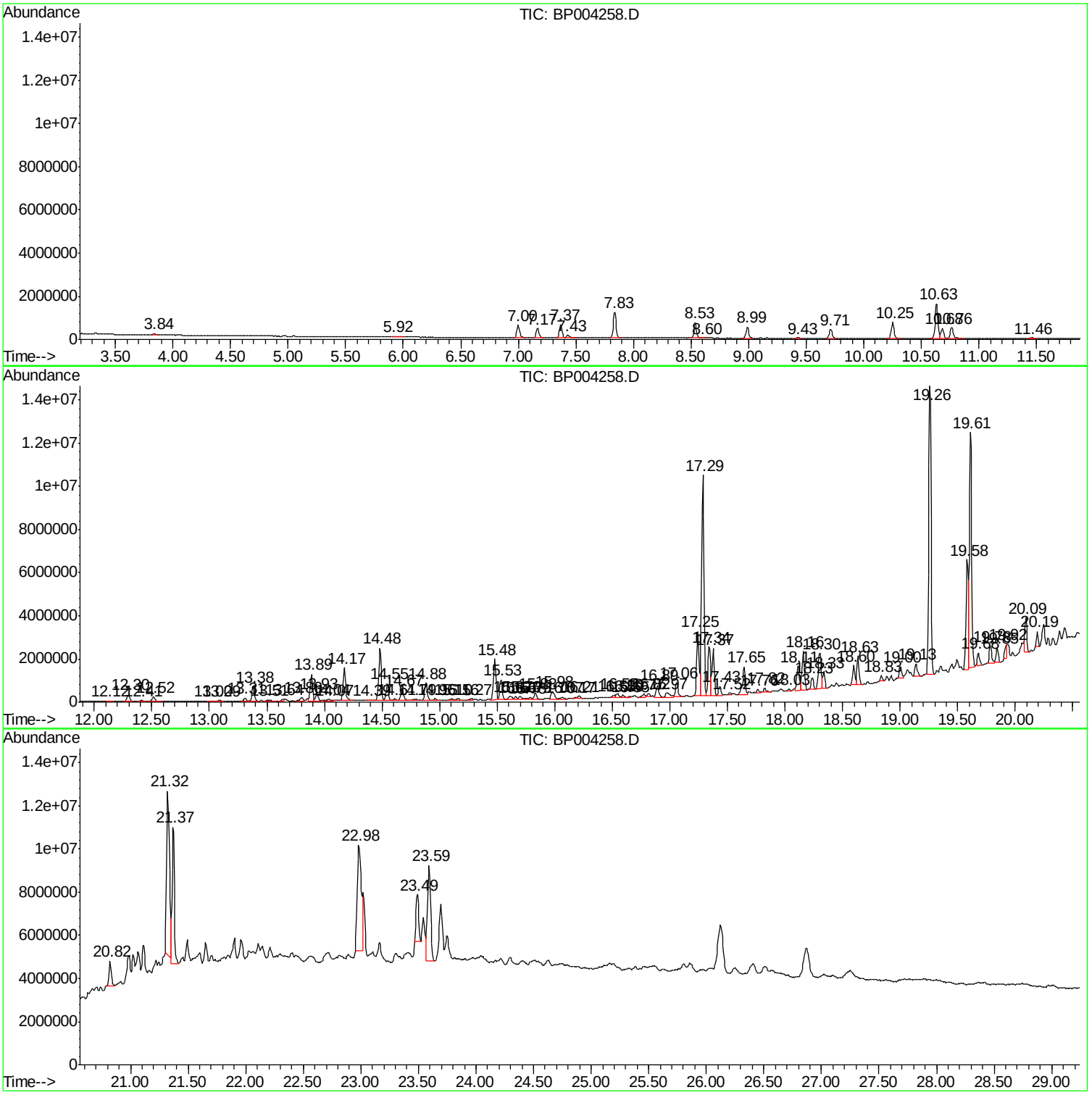
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

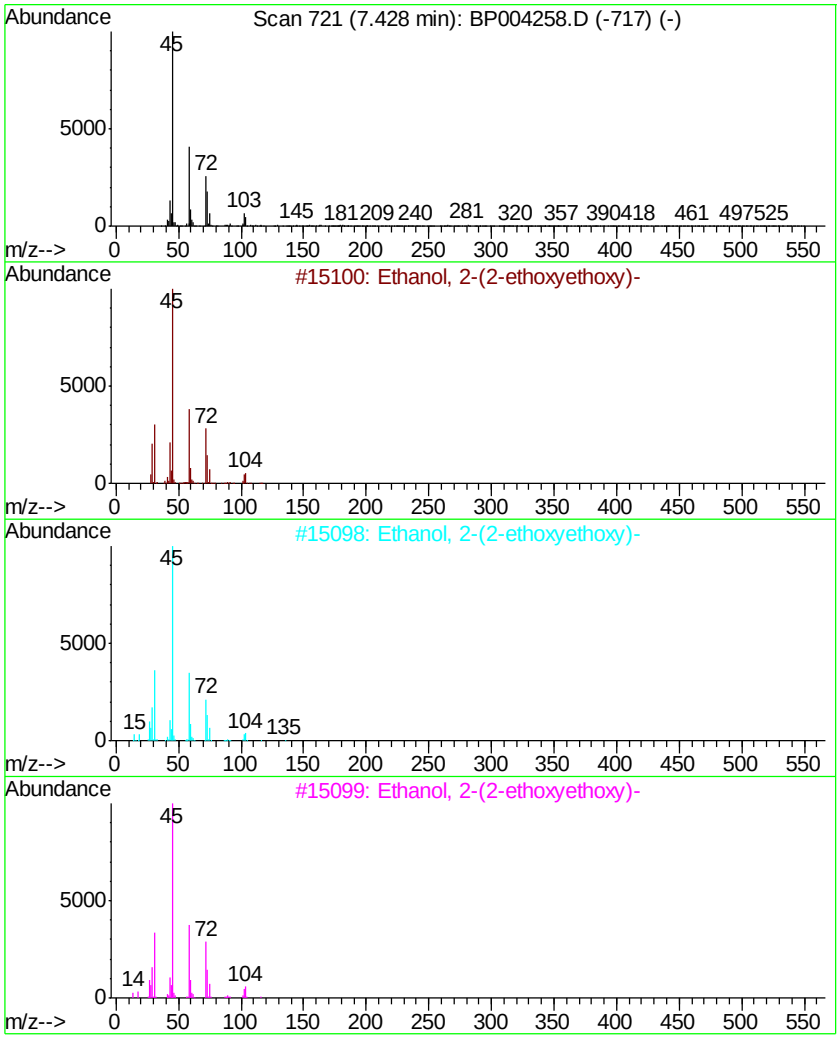
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

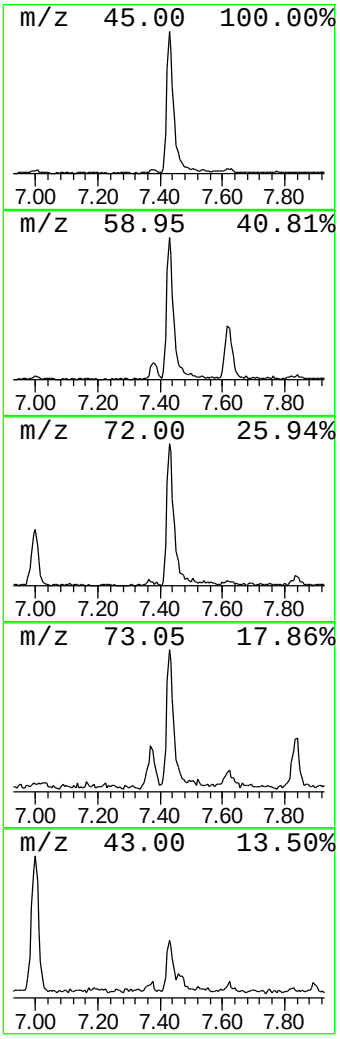
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	2.12 ng/ul	200056	1,4-Dichlorobenzene-d4	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	86
2	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
3	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	78
4	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	74
5	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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

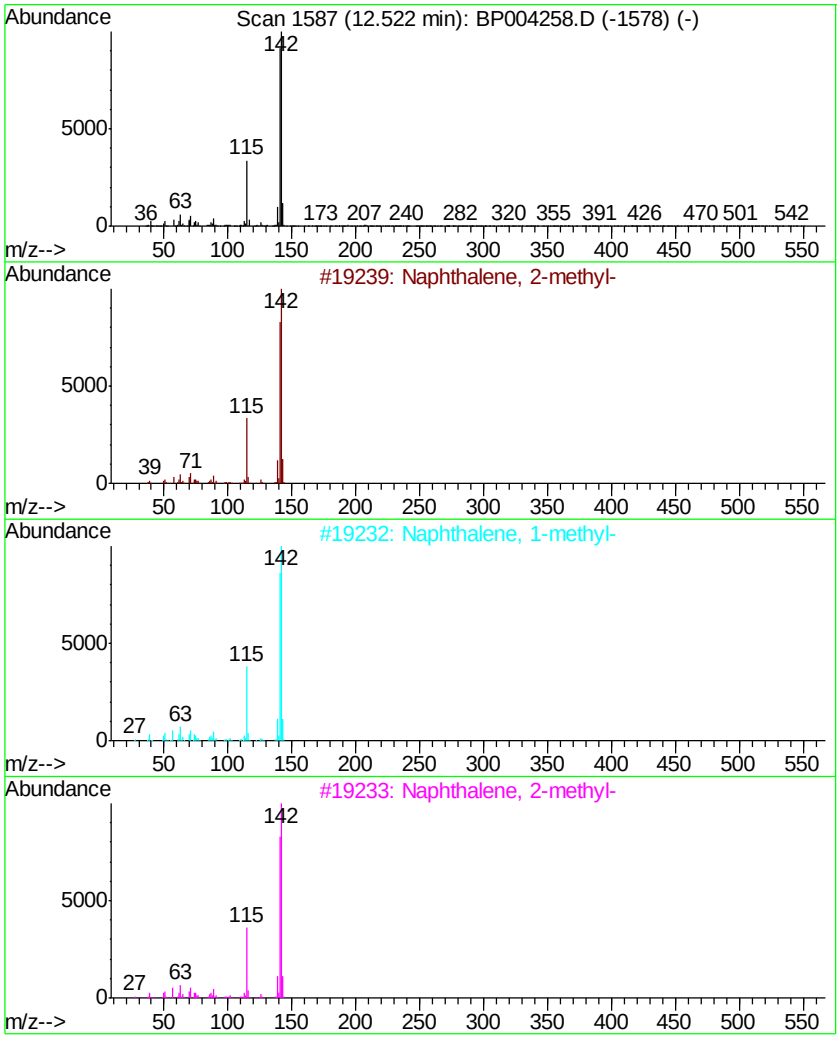
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

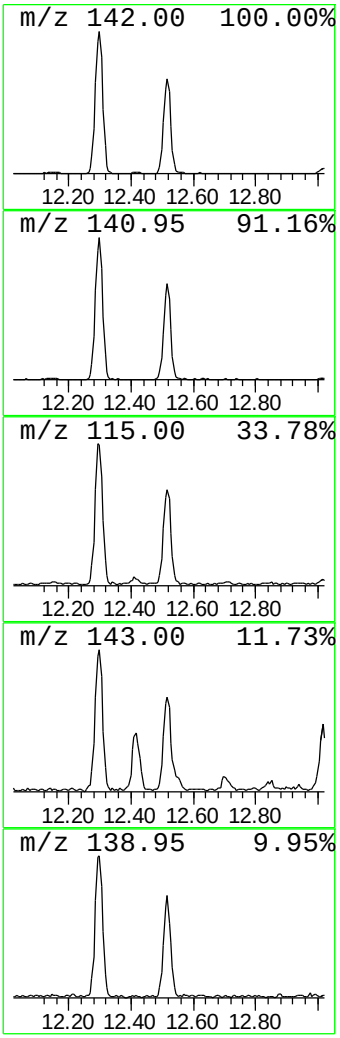
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.41 ng/ul	333562	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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

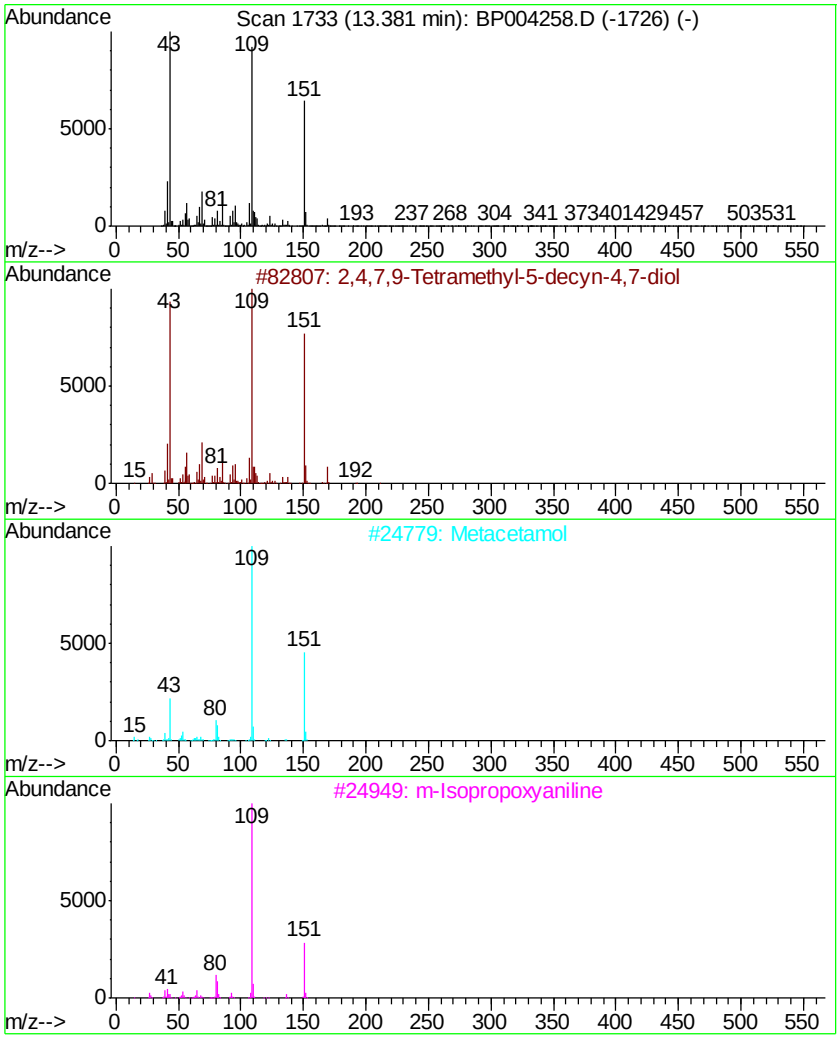
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

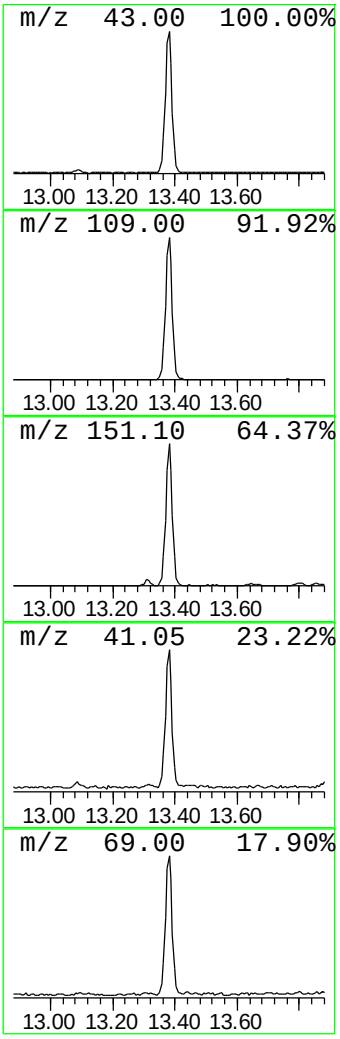
****

Peak Number 3 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	5.42 ng/ul	1023300	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	58
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	53
4	N-Cyclopropyl-p-fluorobenzylamine	165	C10H12FN	1000250-88-9	47
5	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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

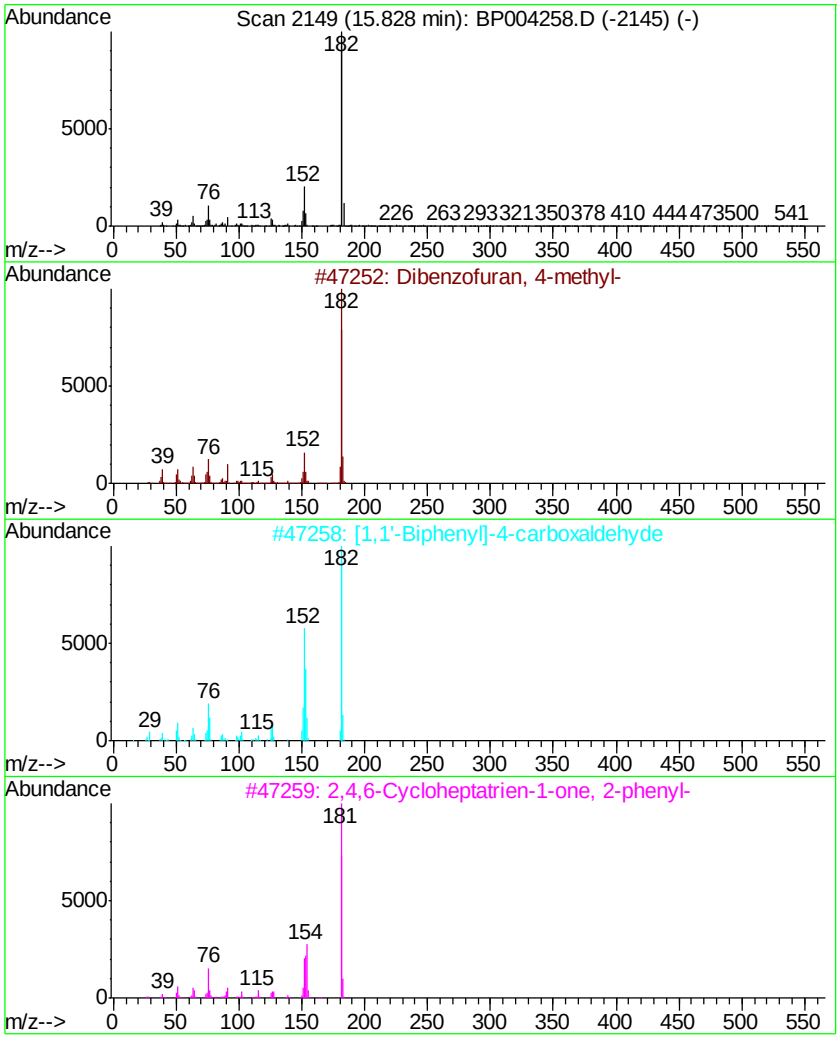
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

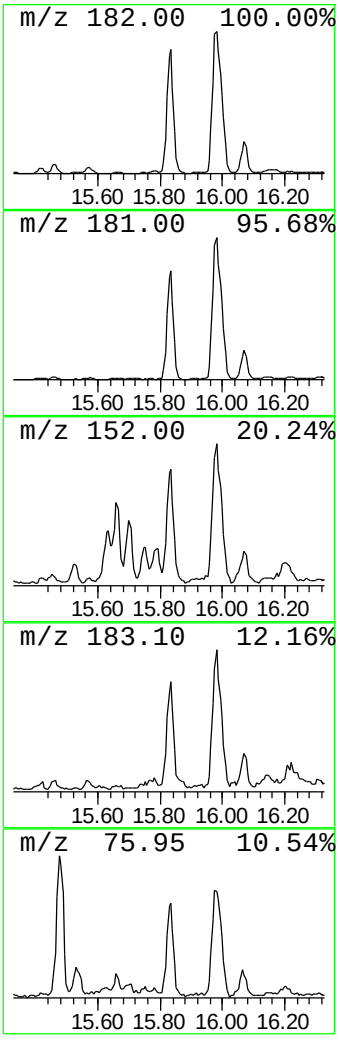
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	2.45 ng/ul	462428	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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

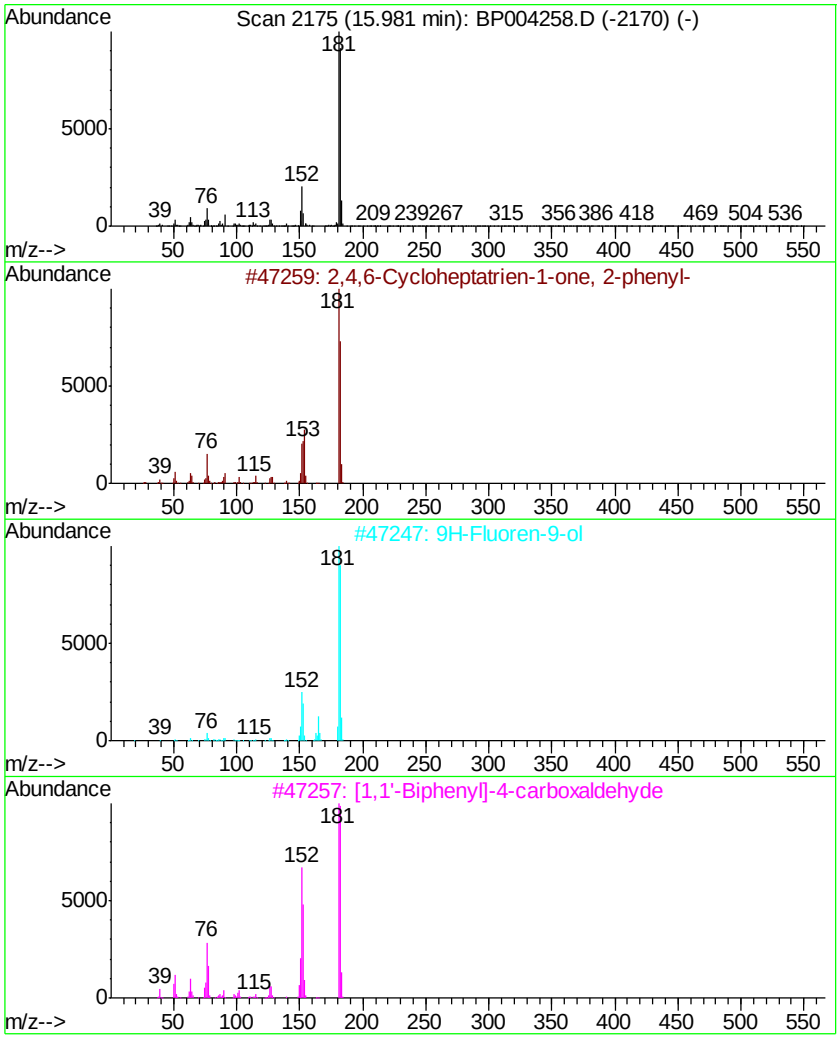
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

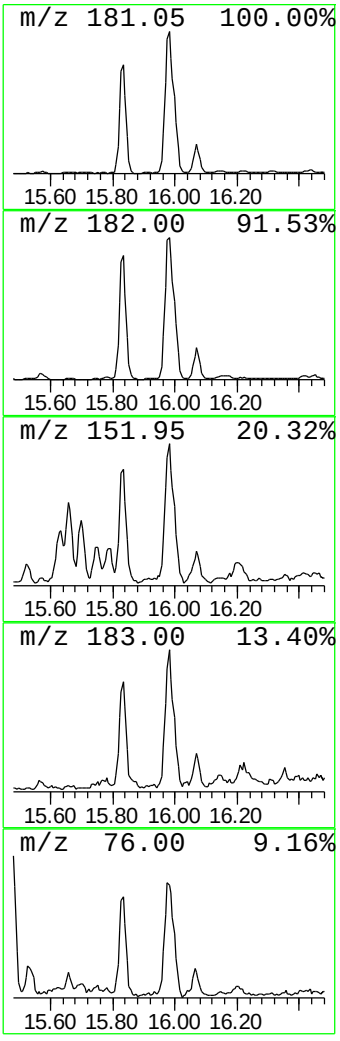
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	2.91 ng/ul	671050	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68





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Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
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Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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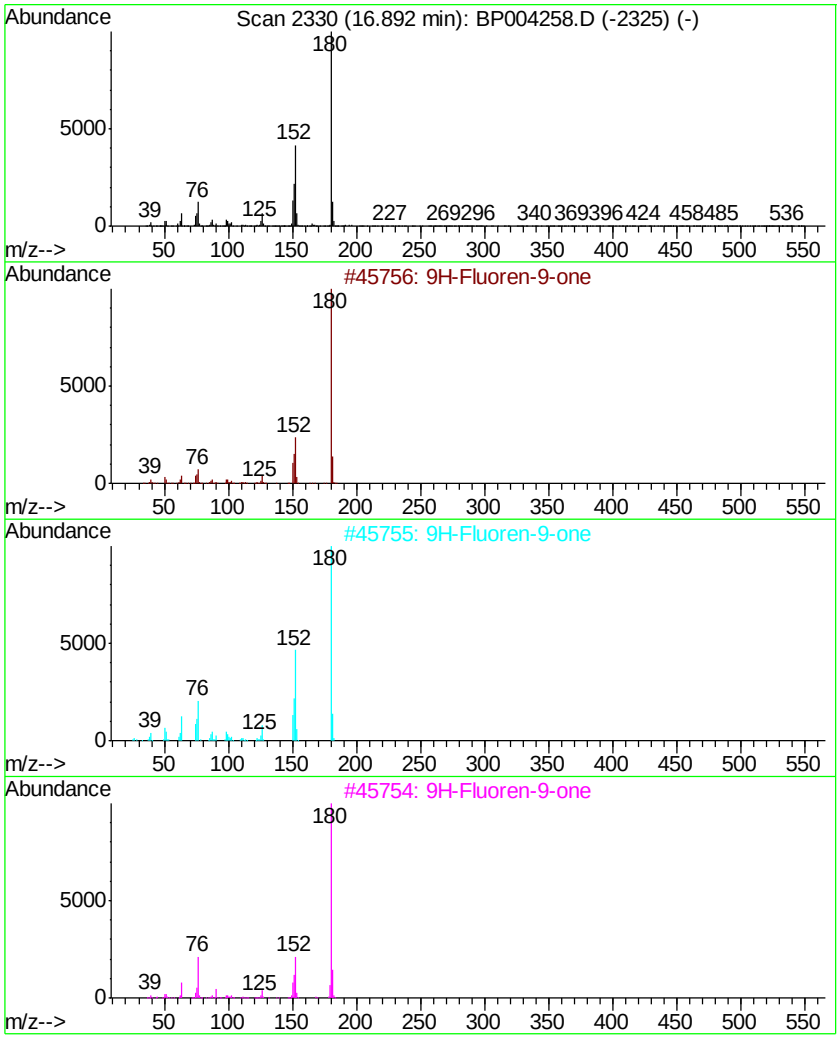
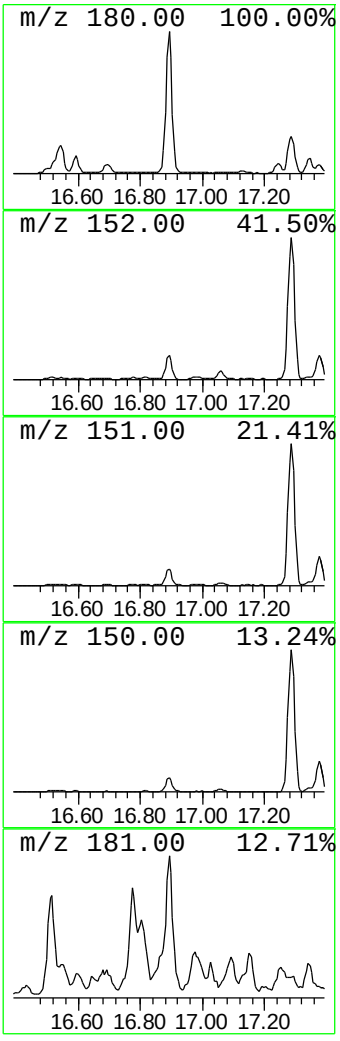
Peak Number 6 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.63 ng/ul	837801	Phenanthrene-d10	17.25

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	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86





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Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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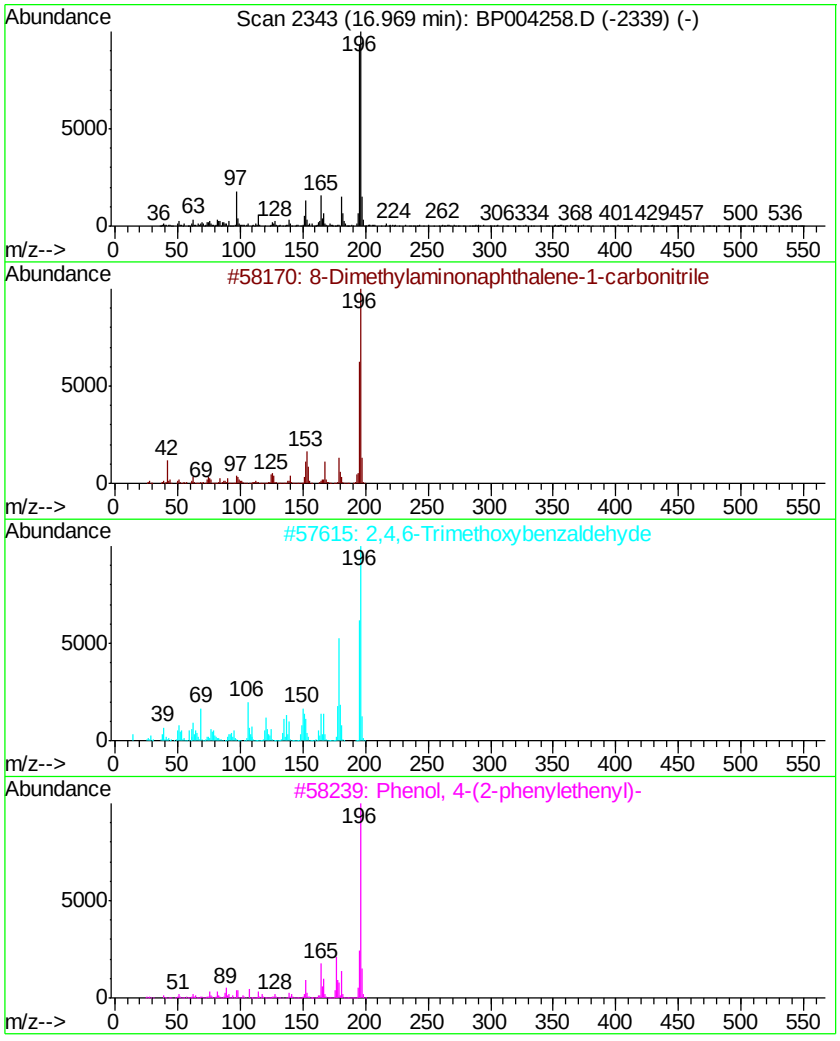
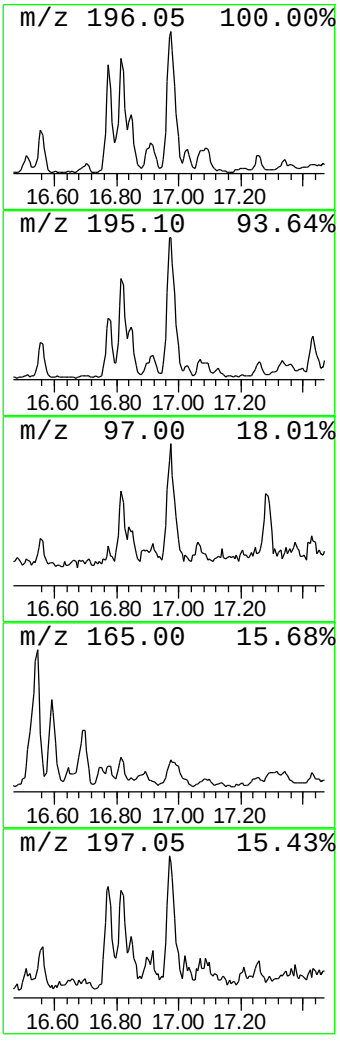
Peak Number 7 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.43 ng/ul	561197	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	55





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Sample : L5000-01
Misc :
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Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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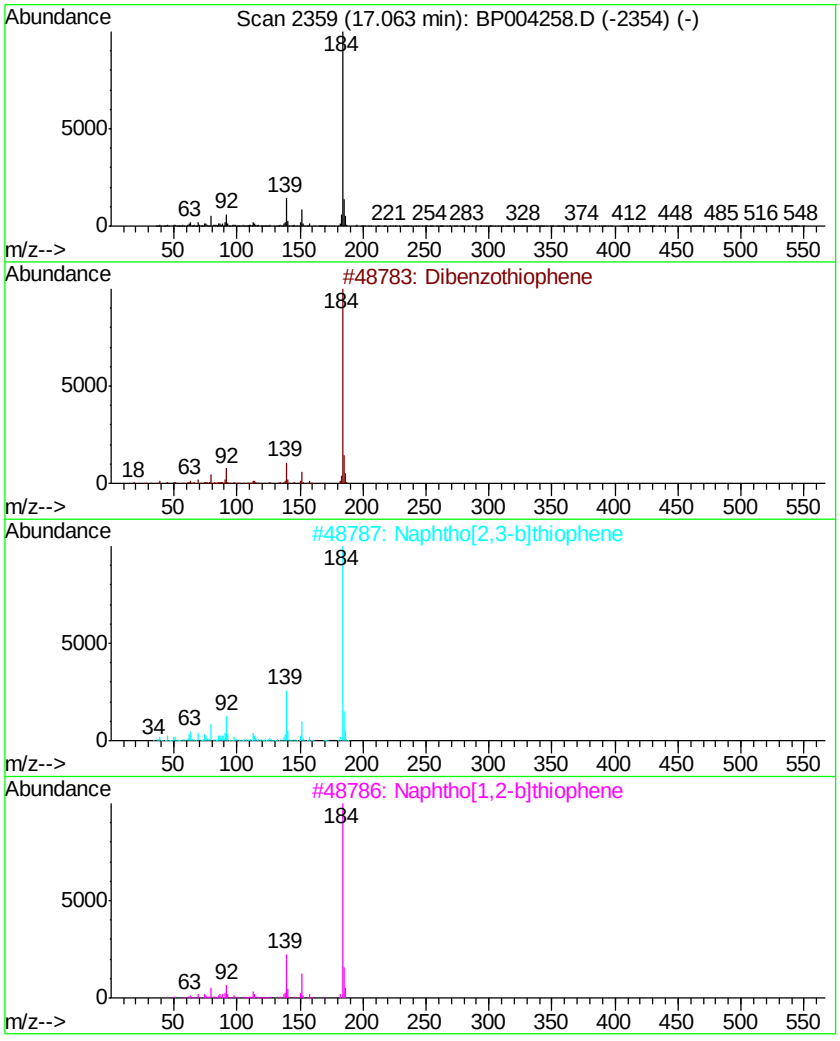
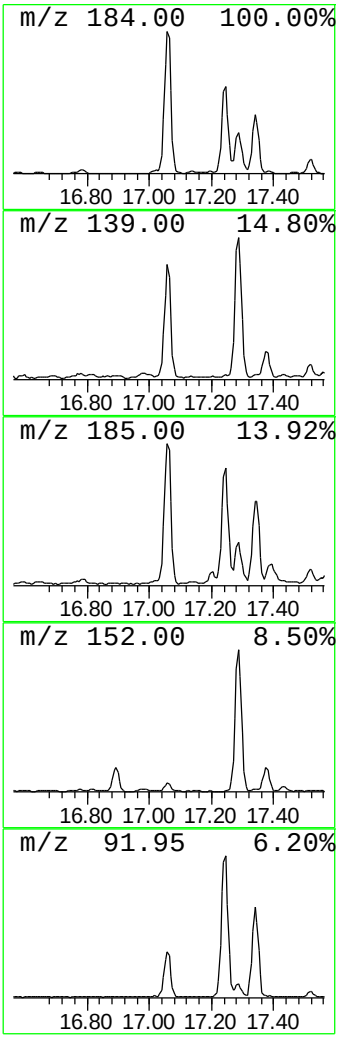
Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	4.53 ng/ul	1045300	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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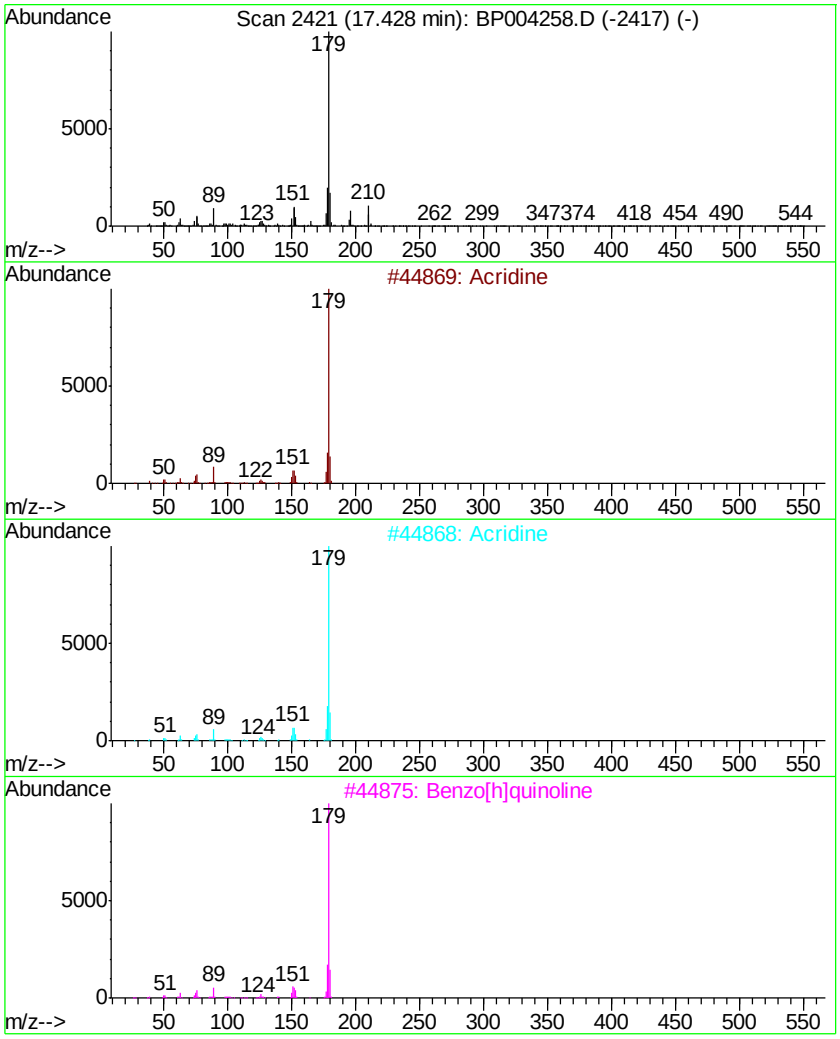
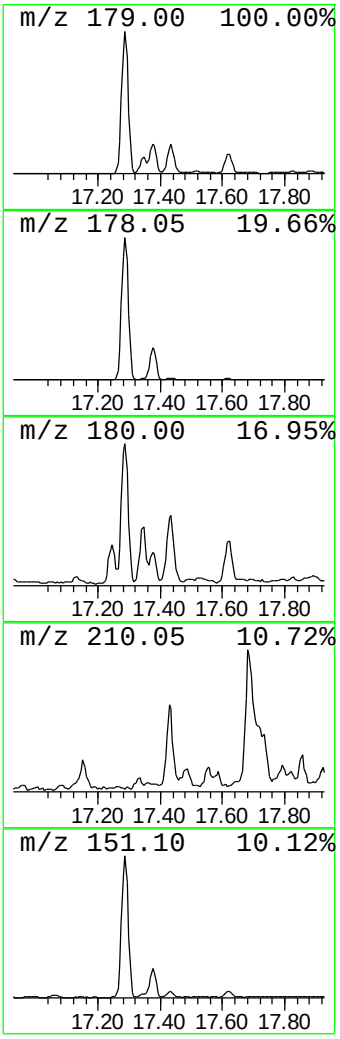
Peak Number 9 Acridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.65 ng/ul	611368	Phenanthrene-d10	17.25

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	93
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	91





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Misc :
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Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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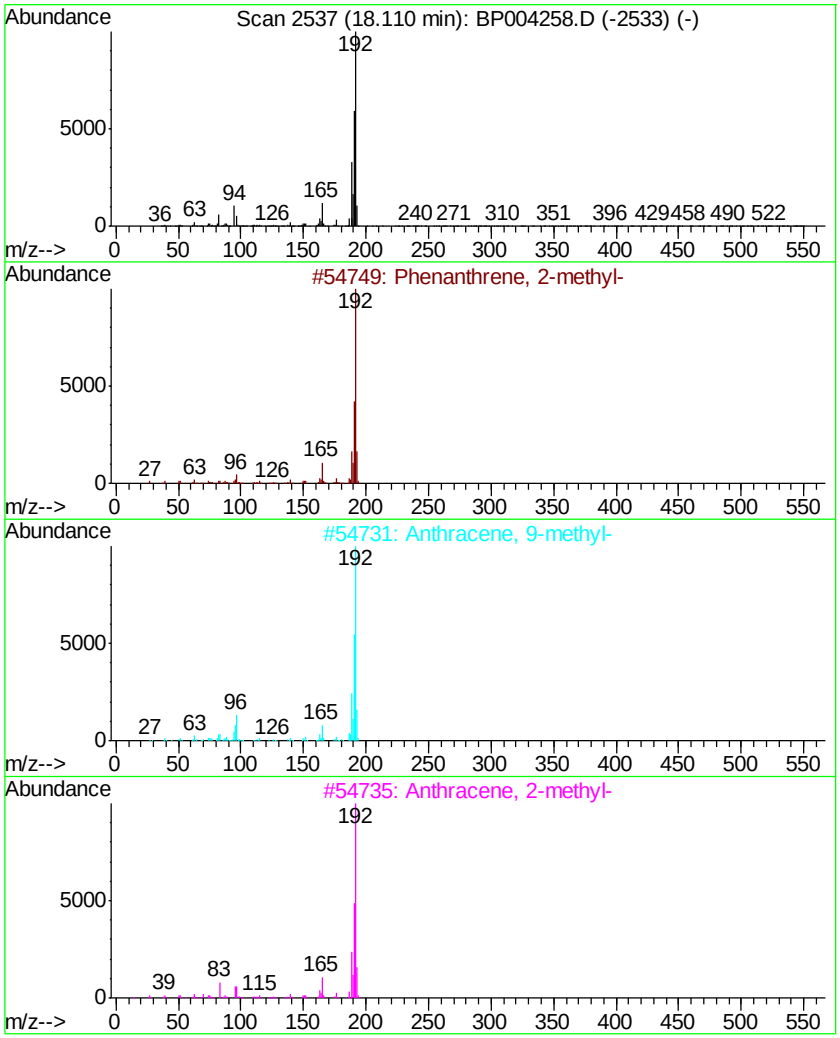
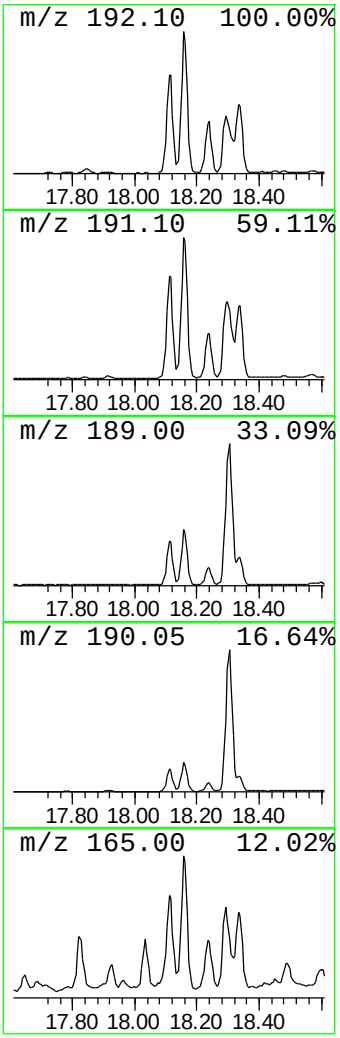
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	7.82 ng/ul	1803790	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81





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Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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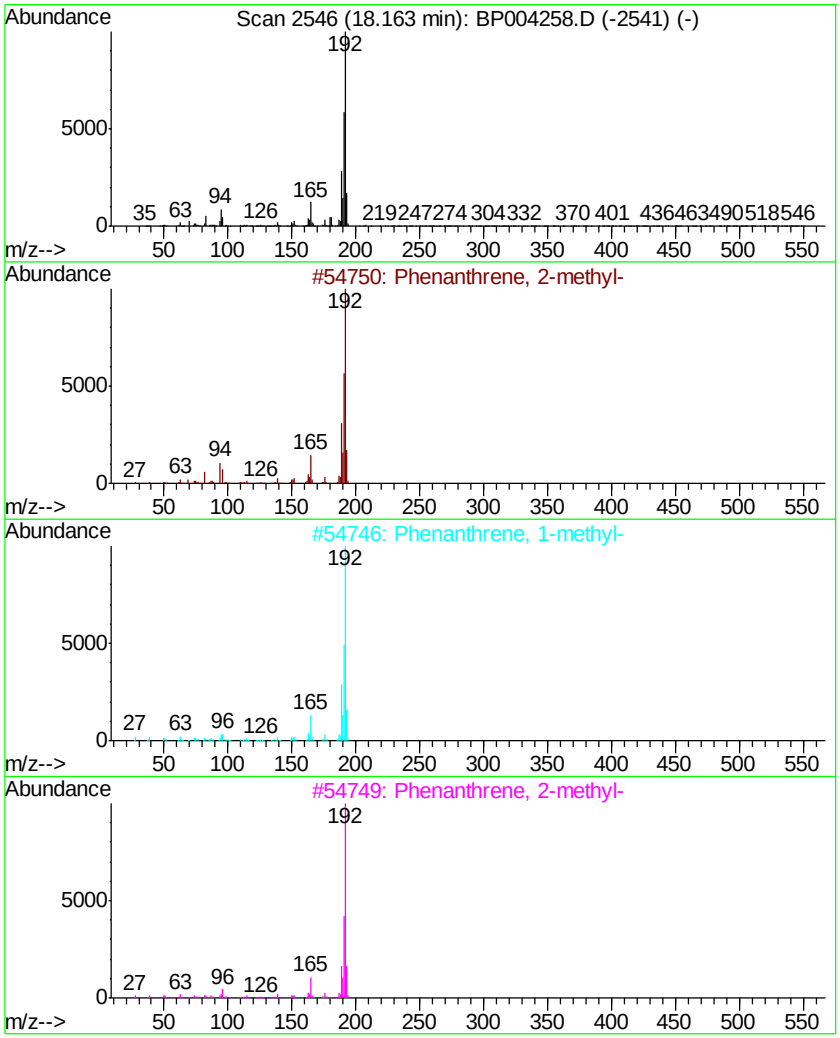
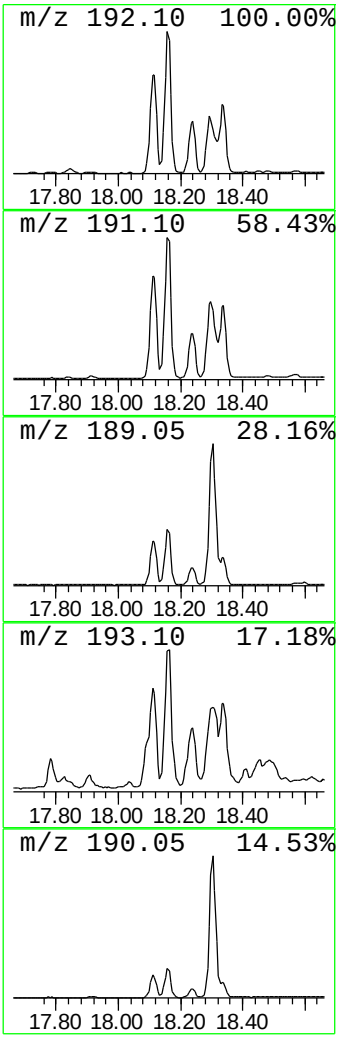
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	11.15 ng/ul	2570040	Phenanthrene-d10	17.25

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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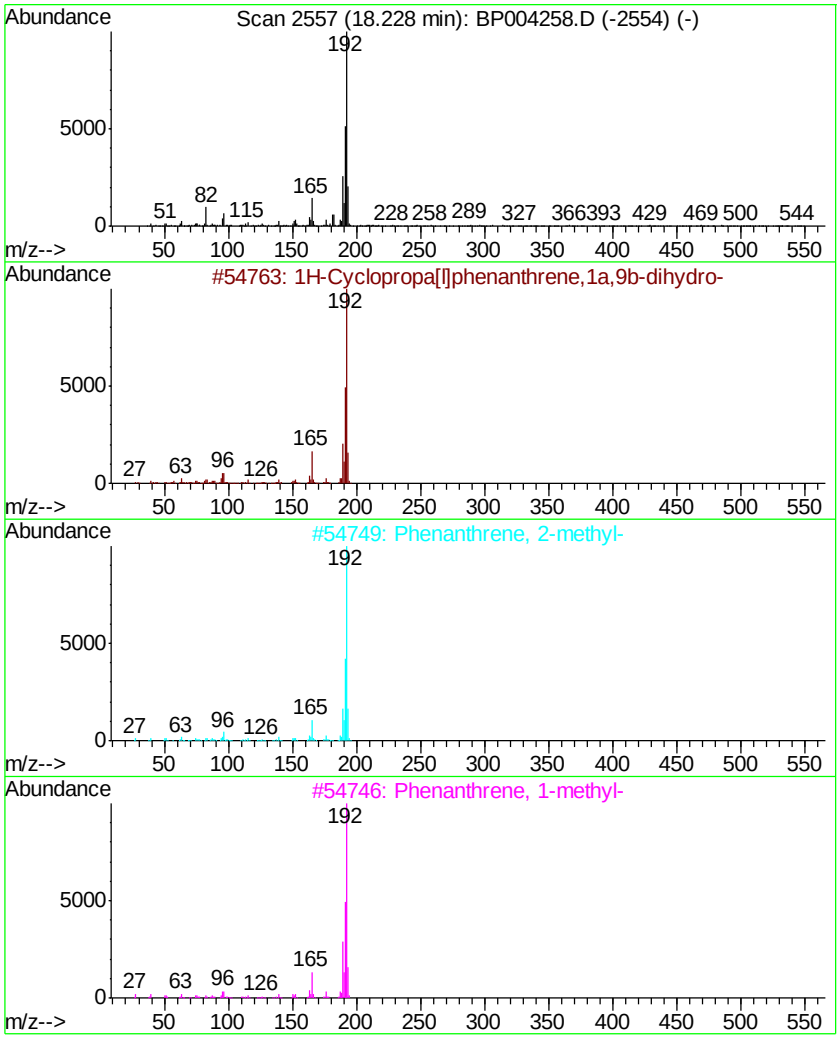
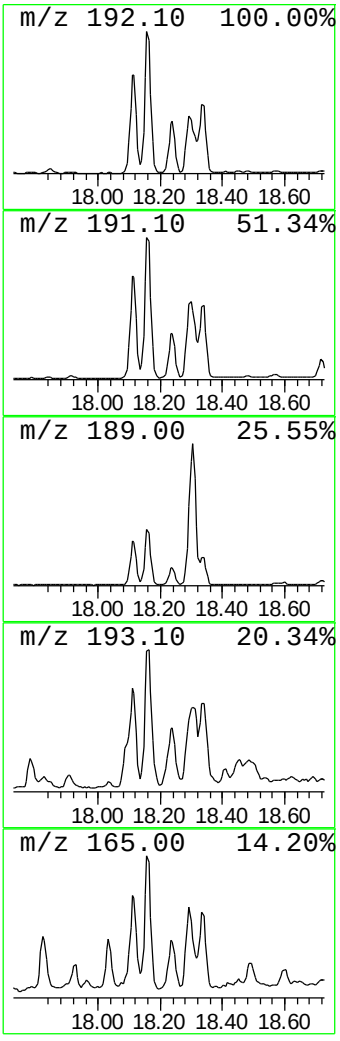
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.37 ng/ul	777063	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

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

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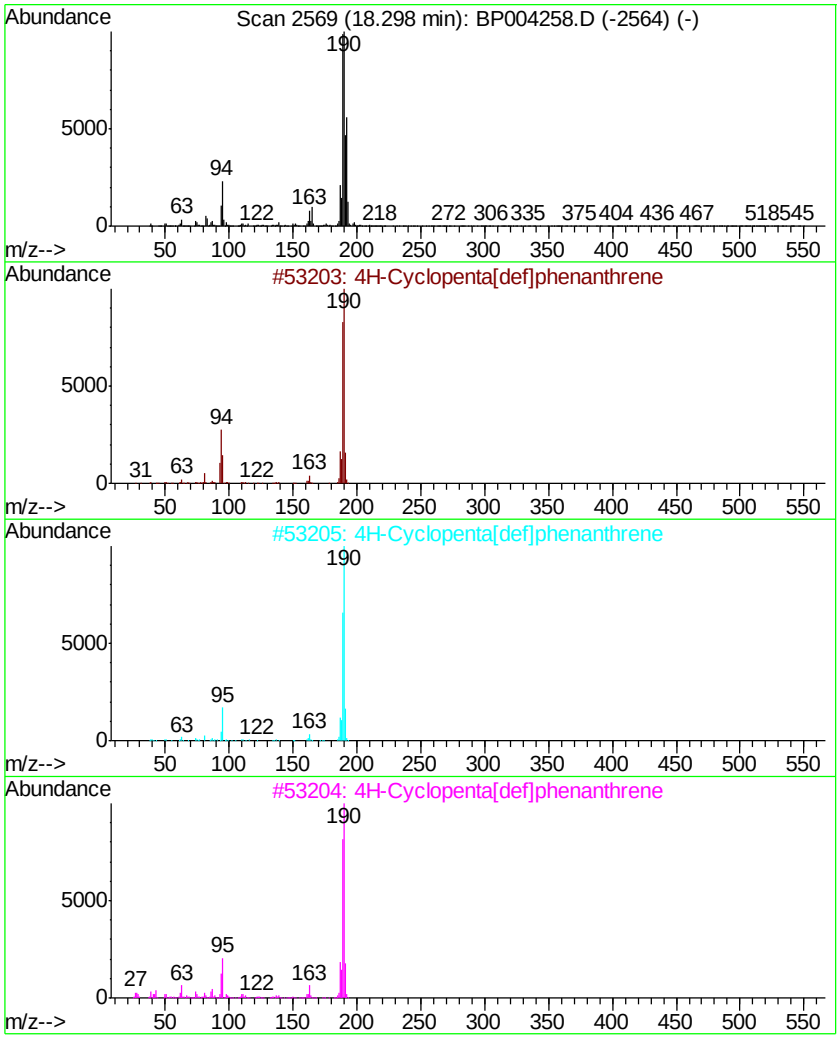
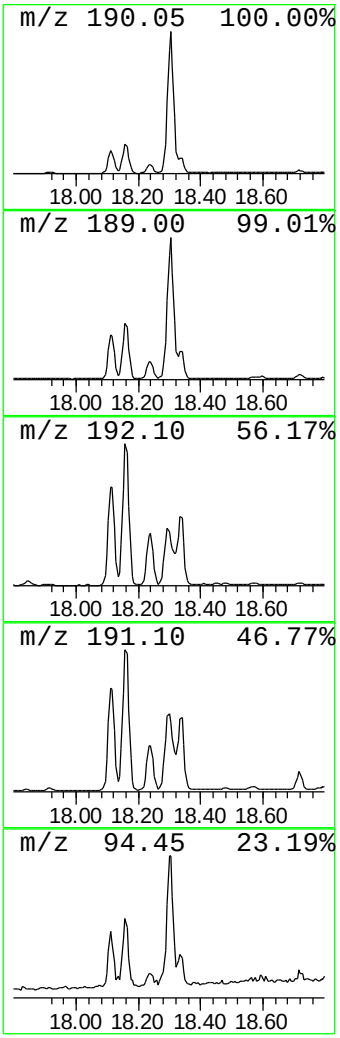
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	12.35 ng/ul	2847390	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Quant Title : SVOA CALIBRATION

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

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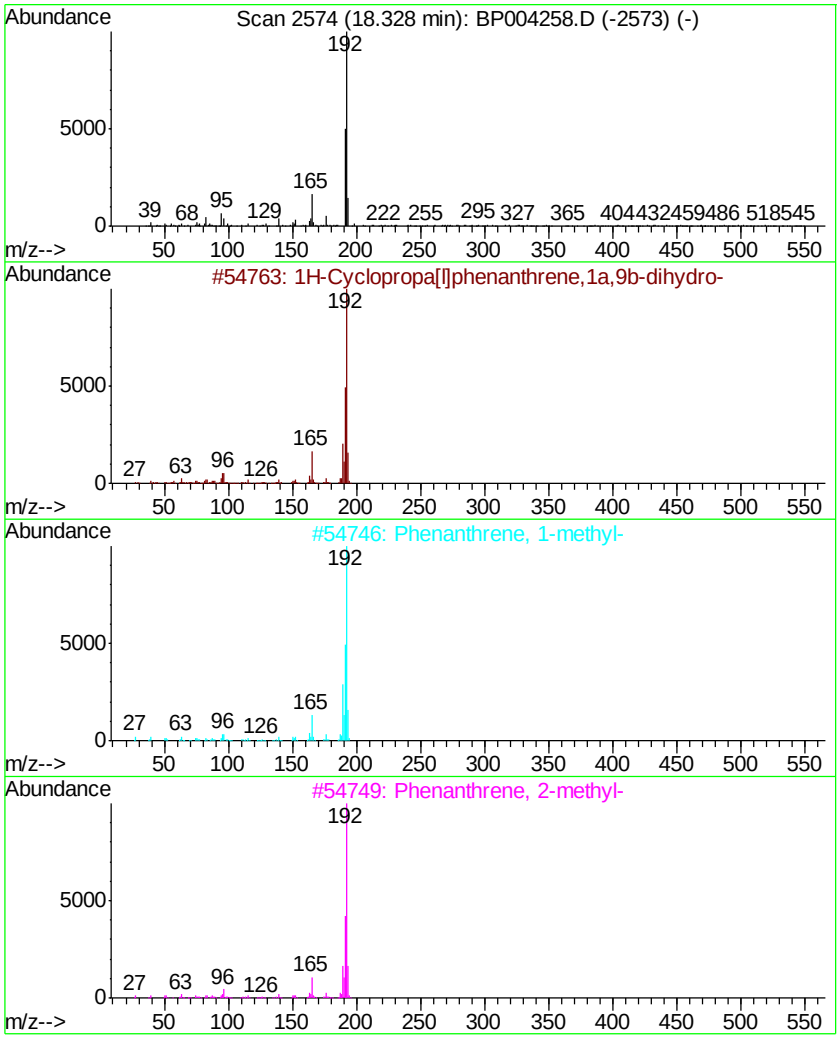
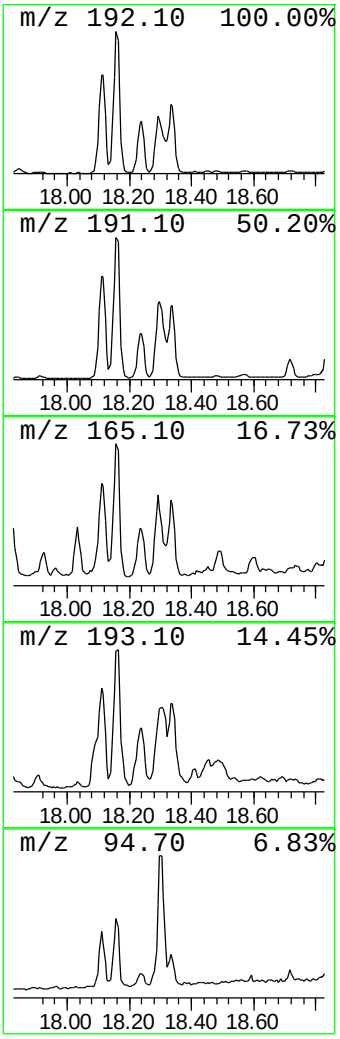
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.32 ng/ul	996440	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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ALS Vial : 10 Sample Multiplier: 1

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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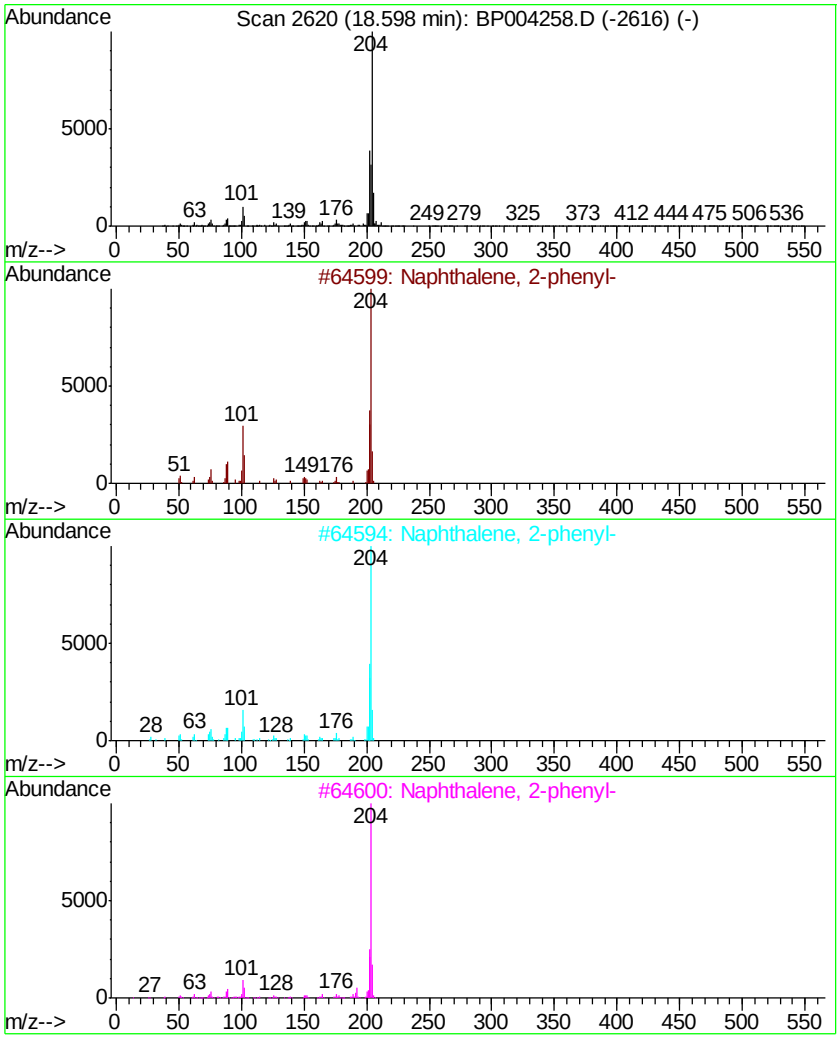
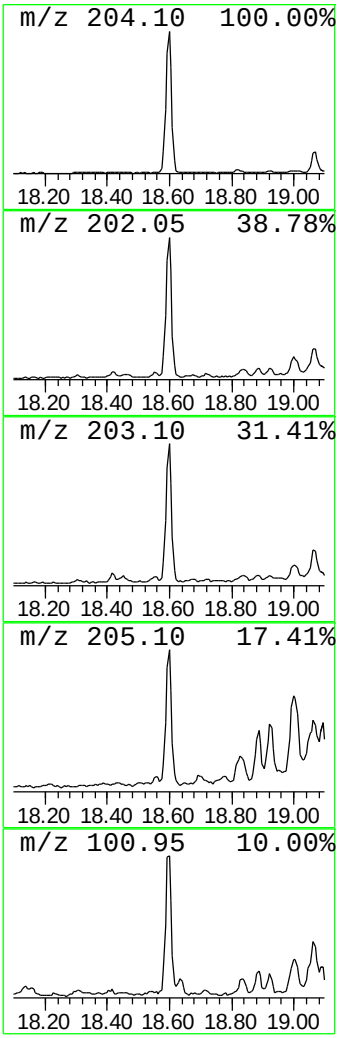
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.21 ng/ul	1201790	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Quant Title : SVOA CALIBRATION

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

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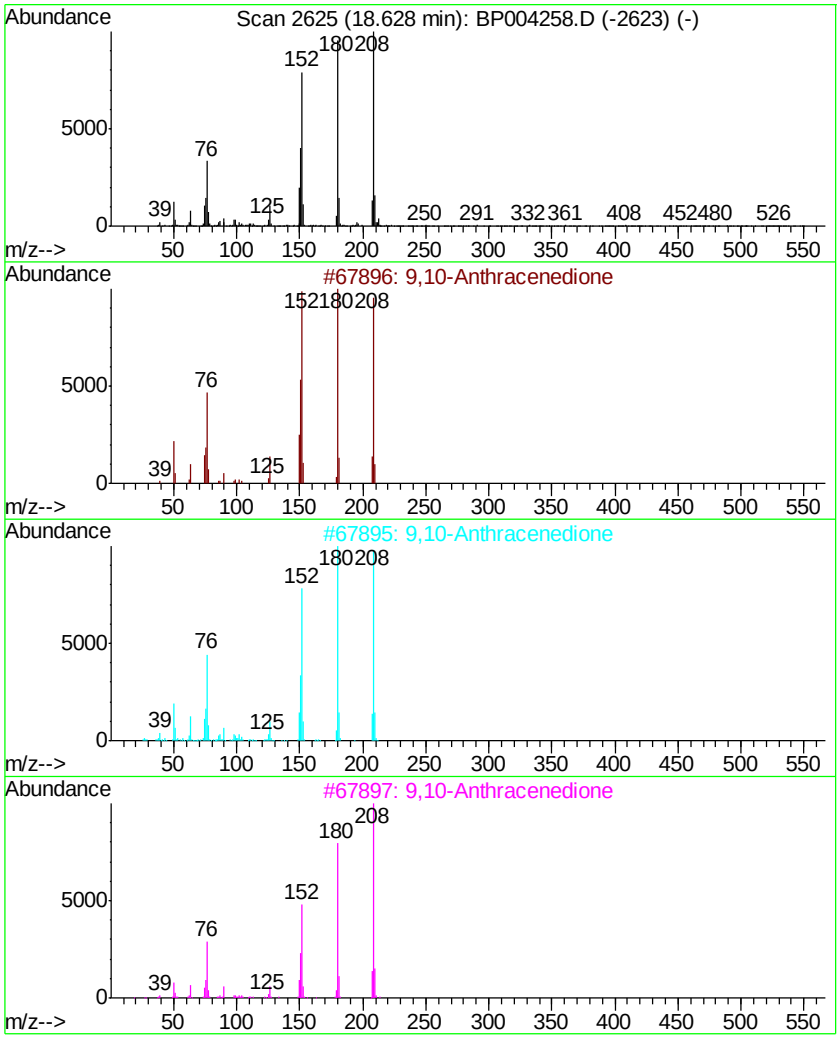
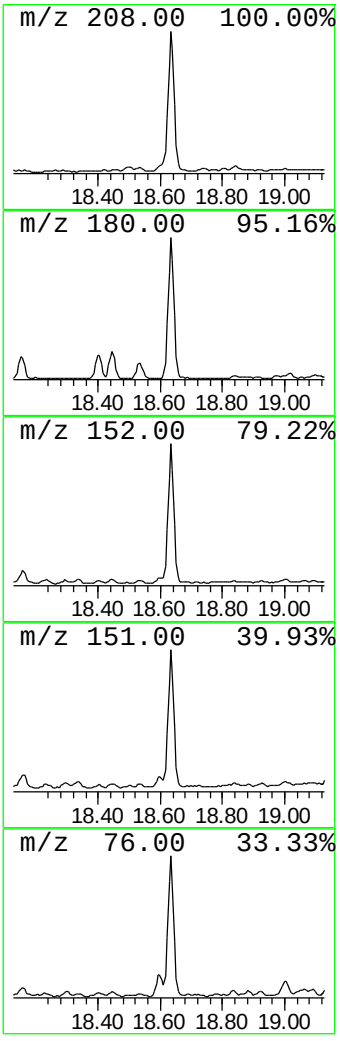
Peak Number 16 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	7.34 ng/ul	1693190	Phenanthrene-d10	17.25

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	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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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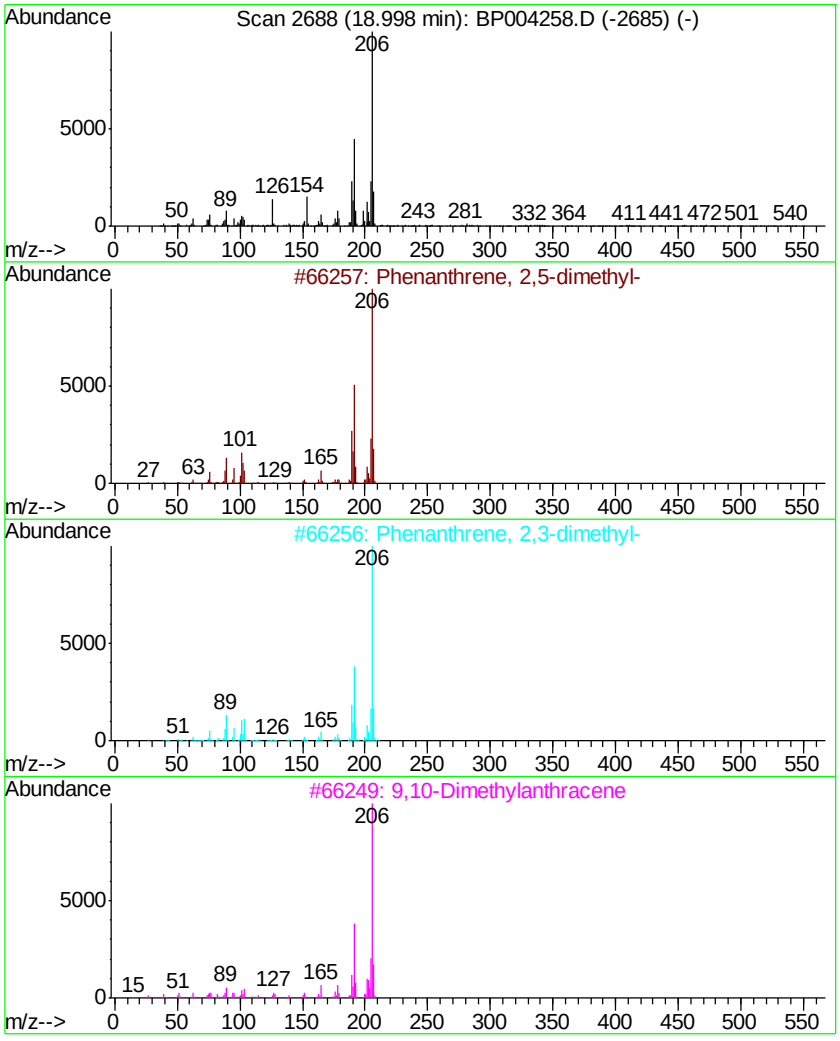
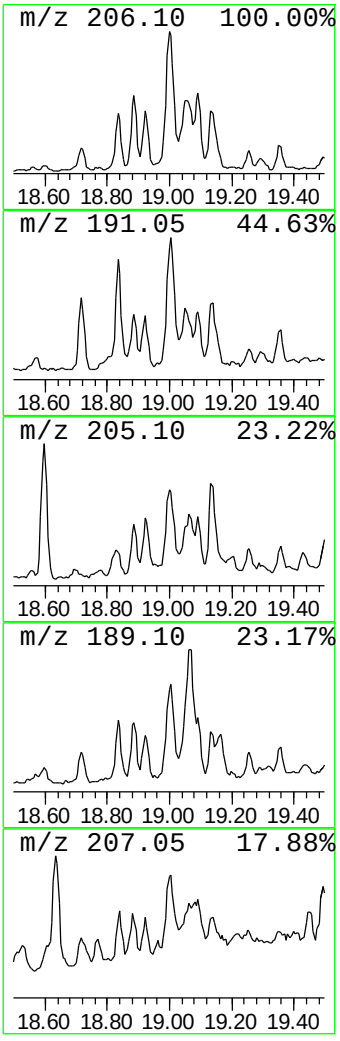
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	3.45 ng/ul	795119	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70





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Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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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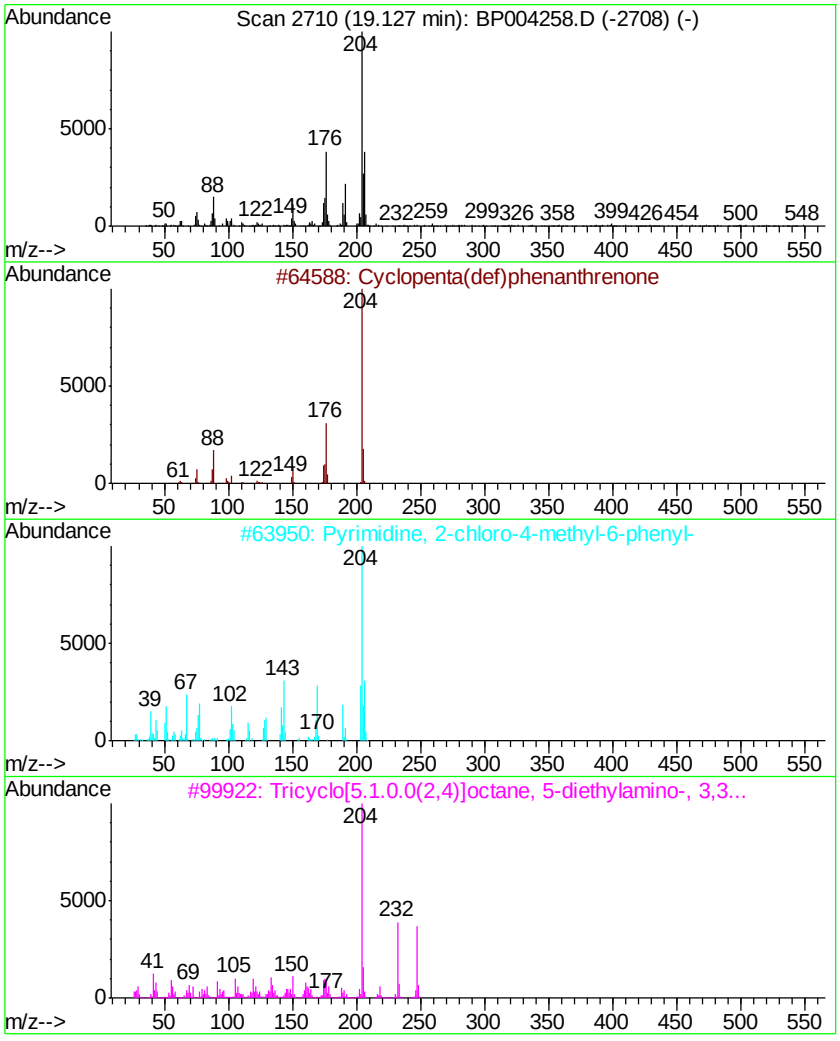
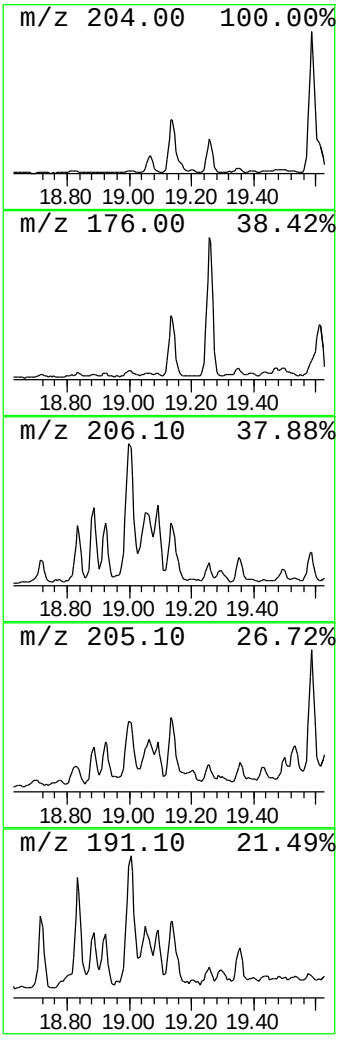
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.80 ng/ul	877106	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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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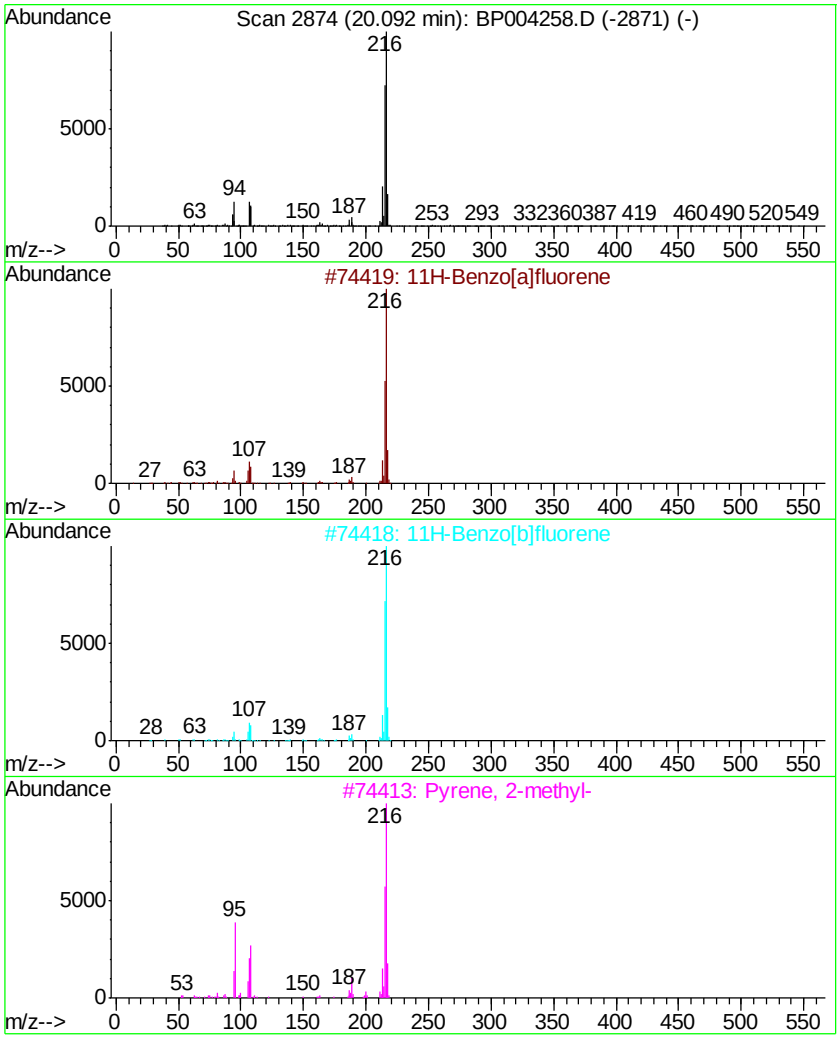
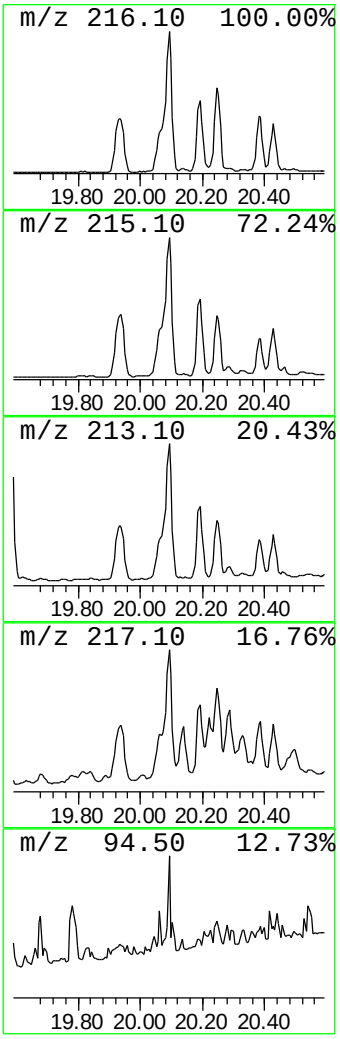
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.75 ng/ul	1910220	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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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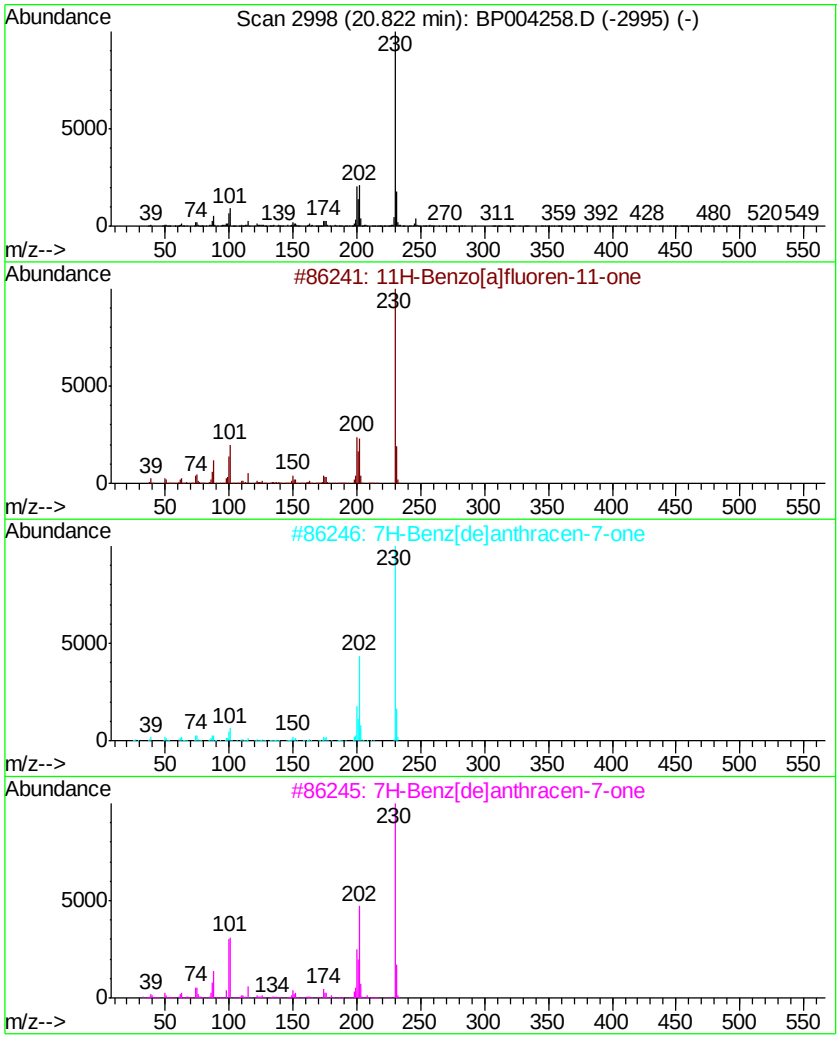
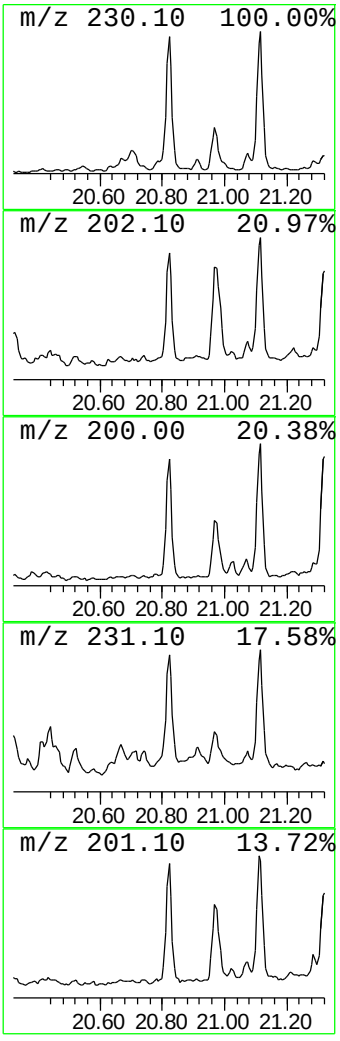
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.16 ng/ul	1499530	Chrysene-d12	21.33

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	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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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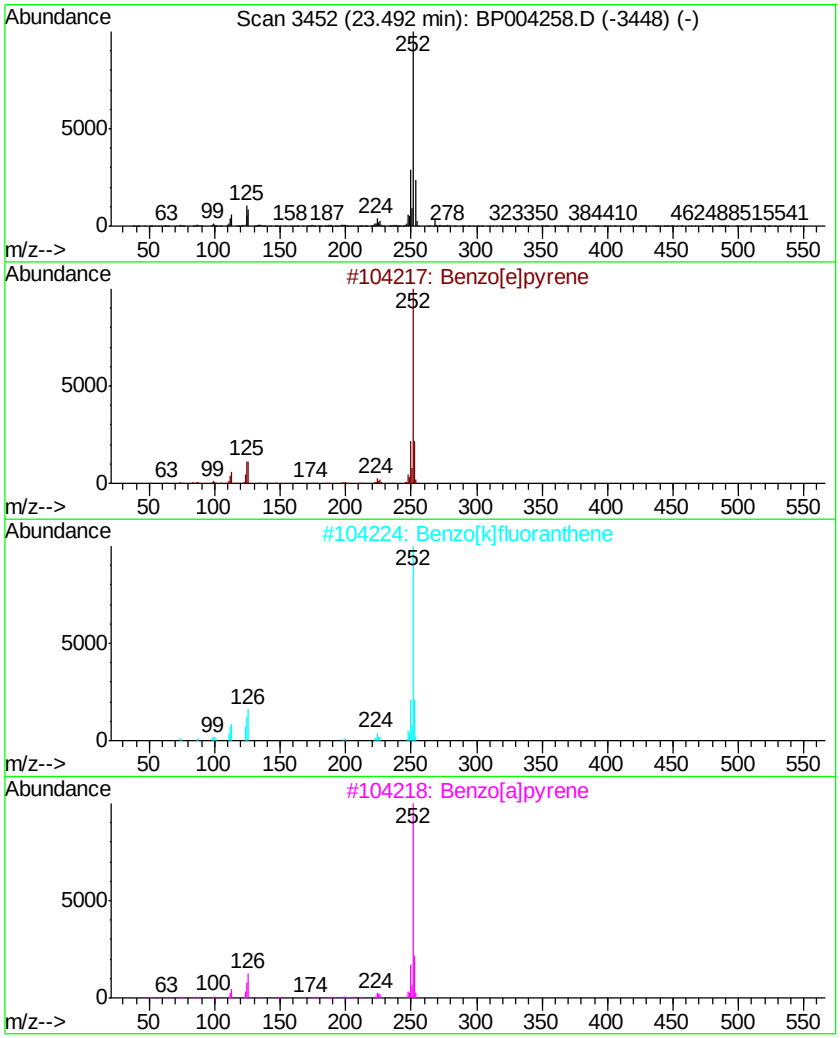
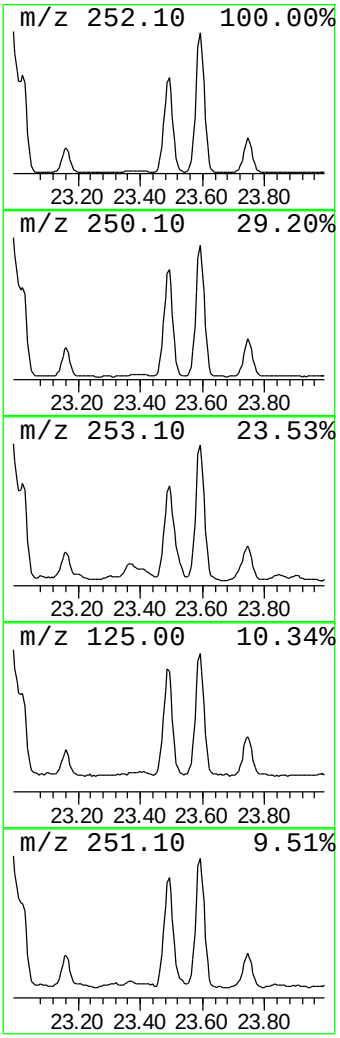
Peak Number 21 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.49	8.24 ng/ul	3337850	Perylene-d12	23.70

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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
Ethanol, 2-(2-eth...	7.43	2.1	ng/ul	200056	1	7.84	1887270	20.0
Naphthalene, 1-me...	12.52	2.4	ng/ul	333562	2	10.63	2762430	20.0
2,4,7,9-Tetrameth...	13.38	5.4	ng/ul	1023300	3	14.48	3777510	20.0
Dibenzofuran, 4-m...	15.83	2.5	ng/ul	462428	3	14.48	3777510	20.0
2,4,6-Cycloheptat...	15.98	2.9	ng/ul	671050	4	17.25	4610690	20.0
9H-Fluoren-9-one	16.89	3.6	ng/ul	837801	4	17.25	4610690	20.0
8-Dimethylaminona...	16.97	2.4	ng/ul	561197	4	17.25	4610690	20.0
Dibenzothiophene	17.06	4.5	ng/ul	1045300	4	17.25	4610690	20.0
Acridine	17.43	2.6	ng/ul	611368	4	17.25	4610690	20.0
Phenanthrene, 2-m...	18.11	7.8	ng/ul	1803790	4	17.25	4610690	20.0
Phenanthrene, 1-m...	18.16	11.2	ng/ul	2570040	4	17.25	4610690	20.0
1H-Cyclopropa[l]p...	18.23	3.4	ng/ul	777063	4	17.25	4610690	20.0
4H-Cyclopenta[def...	18.30	12.4	ng/ul	2847390	4	17.25	4610690	20.0
Phenanthrene, 4-m...	18.33	4.3	ng/ul	996440	4	17.25	4610690	20.0
Naphthalene, 2-ph...	18.60	5.2	ng/ul	1201790	4	17.25	4610690	20.0
9,10-Anthracenedione	18.63	7.3	ng/ul	1693190	4	17.25	4610690	20.0
Phenanthrene, 2,5...	19.00	3.5	ng/ul	795119	4	17.25	4610690	20.0
Cyclopenta(def)ph...	19.13	3.8	ng/ul	877106	4	17.25	4610690	20.0
11H-Benzo[a]fluorene	20.09	2.8	ng/ul	1910220	5	21.33	13876800	20.0
11H-Benzo[a]fluor...	20.82	2.2	ng/ul	1499530	5	21.33	13876800	20.0
Benzo[e]pyrene	23.49	8.2	ng/ul	3337850	6	23.70	8097850	20.0