LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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	6.999	642	648	658	rBV2	596820	1078291	1.66%	0.157%
2	7.369	704	711	719	rVB	582689	948120	1.46%	0.138%
3	7.834	783	790	797	rBV	819901	1316497	2.03%	0.192%
4	8.534	903	909	916	rBV	718585	1165017	1.80%	0.169%
5	10.251	1194	1201	1211	rBV	735583	1271027	1.96%	0.185%
6	10.634	1256	1266	1270	rBV	1184905	2048243	3.16%	0.298%
7	10.681	1270	1274	1281	rVV	610537	1026196	1.58%	0.149%
8	13.804	1795	1805	1809	rBV	575422	1050821	1.62%	0.153%
9	13.887	1815	1819	1823	rVV	1275926	1770423	2.73%	0.258%
10	14.175	1861	1868	1871	rBV	1549138	2625269	4.05%	0.382%
11	14.204	1871	1873	1884	rVB	937016	1243734	1.92%	0.181%
12	14.481	1911	1920	1926	rVV2	1829953	3120019	4.82%	0.454%
13	14.545	1926	1931	1938	rVV	3062424	4551473	7.03%	0.662%
14	14.681	1948	1954	1964	rBV2	543863	1086715	1.68%	0.158%
15	14.881	1982	1988	1996	rVB	2104625	3258121	5.03%	0.474%
16	15.481	2082	2090	2094	rVV	1997315	3151273	4.86%	0.458%
17	15.534	2094	2099	2109	rVV	3656256	5732728	8.85%	0.834%
18	15.698	2124	2127	2132	rVV2	614060	951210	1.47%	0.138%
19	15.834	2145	2150	2160	rVB	1324640	2117787	3.27%	0.308%
20	15.981	2167	2175	2183	rVB	1335403	2838197	4.38%	0.413%
21	16.545	2259	2271	2276	rBV3	1088206	2688161	4.15%	0.391%
22	16.592	2276	2279	2285	rVV2	632201	949027	1.47%	0.138%
23	16.775	2302	2310	2314	rBV3	853485	1755227	2.71%	0.255%
24	16.816	2314	2317	2321	rVV2	934275	1409625	2.18%	0.205%
25	16.898	2326	2331	2338	rVB	1624733	2678290	4.13%	0.390%
26	16.975	2338	2344	2354	rBV2	1006363	2581217	3.98%	0.375%
27	17.063	2354	2359	2368	rVB	2052138	3244892	5.01%	0.472%
28	17.245	2385	2390	2393	rBV	1917570	3238202	5.00%	0.471%
29	17.298	2393	2399	2404	rVV	25211972	42619093	65.79%	6.200%
30	17.345	2404	2407	2409	rVV2	2333758	3039412	4.69%	0.442%
31	17.380	2409	2413	2418	rVB	9034214	13197453	20.37%	1.920%
32	17.433	2418	2422	2428	rVB3	1091957	1686182	2.60%	0.245%
33	17.651	2448	2459	2463	rBV2	3434896	6004857	9.27%	0.873%
34	17.763	2475	2478	2483	rVV2	825879	1189603	1.84%	0.173%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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	17.828	2485	2489	2497	rVB3	899068	1441944	2.23%	0.210%
36	17.963	2508	2512	2521	rVB	477957	986566	1.52%	0.144%
37	18.116	2529	2538	2542	rBV	5256845	8097651	12.50%	1.178%
38	18.163	2542	2546	2552	rVB	7076375	9895051	15.28%	1.439%
39	18.239	2553	2559	2564	rBV	3040757	4494487	6.94%	0.654%
40	18.304	2564	2570	2574	rBV2	7242862	13155897	20.31%	1.914%
41	18.339	2574	2576	2582	rVB	3516233	4149768	6.41%	0.604%
42	18.598	2615	2620	2624	rVV	4423557	5768463	8.91%	0.839%
43	18.639	2624	2627	2632	rVB	2523955	3370606	5.20%	0.490%
44	18.839	2653	2661	2665	rBV3	1443584	2292723	3.54%	0.334%
45	18.886	2665	2669	2672	rVV	1277408	1508321	2.33%	0.219%
46	18.922	2672	2675	2680	rVB	1160675	1542845	2.38%	0.224%
47	19.004	2683	2689	2694	rBV	2630559	4910839	7.58%	0.714%
48	19.069	2696	2700	2703	rVV2	1631200	2777884	4.29%	0.404%
49	19.098	2703	2705	2708	rVB2	953147	993016	1.53%	0.144%
50	19.145	2708	2713	2721	rVB2	2420527	4257442	6.57%	0.619%
51	19.275	2727	2735	2740	rBV2	30313065	54409340	84.00%	7.915%
52	19.327	2740	2744	2746	rBV	844622	1008630	1.56%	0.147%
53	19.357	2746	2749	2754	rVB2	1413793	1891952	2.92%	0.275%
54	19.457	2761	2766	2769	rBV3	900334	1743875	2.69%	0.254%
55	19.498	2769	2773	2777	rVB	1306150	1752479	2.71%	0.255%
56	19.627	2783	2795	2801	rBV3	26927077	64775835	100.00%	9.423%
57	19.686	2801	2805	2811	rVB2	2847316	4266052	6.59%	0.621%
58	19.792	2812	2823	2828	rBV	3333122	5945487	9.18%	0.865%
59	19.851	2828	2833	2838	rVB	2657008	4101058	6.33%	0.597%
60	19.927	2840	2846	2853	rBV4	3388105	8845383	13.66%	1.287%
61	20.063	2863	2869	2871	rBV4	2338538	4151000	6.41%	0.604%
62	20.098	2871	2875	2880	rVB	6455536	9240244	14.26%	1.344%
63	20.198	2887	2892	2895	rBV	4174284	5484871	8.47%	0.798%
64	20.251	2895	2901	2905	rVV2	4558028	8171176	12.61%	1.189%
65	20.292	2905	2908	2911	rVB	1166324	1299021	2.01%	0.189%
66	20.333	2911	2915	2919	rVB2	1111705	1531732	2.36%	0.223%
67	20.392	2921	2925	2928	rBV	2373866	2993243	4.62%	0.435%
68	20.433	2928	2932	2936	rVB3	2574754	3369725	5.20%	0.490%
69	20.639	2963	2967	2970	rBV2	1001821	1719606	2.65%	0.250%
70	20.674	2970	2973	2976	rVV4	726027	1146200	1.77%	0.167%
71	20.792	2989	2993	2995	rBV2	788630	1093645	1.69%	0.159%

LSC Area Percent Report

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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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	20.833	2995	3000	3005	rVB	5650971	7659707	11.82%	1.114%
73	20.992	3020	3027	3030	rBV2	4584739	8362953	12.91%	1.217%
74	21.027	3030	3033	3036	rVV	4830297	6247005	9.64%	0.909%
75	21.074	3036	3041	3045	rVV2	4045032	7725828	11.93%	1.124%
76	21.121	3045	3049	3056	rVB2	5491335	8377112	12.93%	1.219%
77	21.251	3060	3071	3075	rBV2	4525563	8297722	12.81%	1.207%
78	21.333	3076	3085	3089	rBV2	24245525	41517275	64.09%	6.039%
79	21.386	3090	3094	3103	rVB	19881948	29237388	45.14%	4.253%
80	21.504	3110	3114	3119	rBV	4012735	5523099	8.53%	0.803%
81	21.663	3136	3141	3146	rBV2	3696881	5681326	8.77%	0.826%
82	21.716	3146	3150	3153	rVV2	1007883	1399865	2.16%	0.204%
83	21.851	3170	3173	3177	rVB2	971754	1166492	1.80%	0.170%
84	21.910	3177	3183	3187	rBV	4239475	7097699	10.96%	1.032%
85	21.968	3189	3193	3198	rVB	2592569	3999379	6.17%	0.582%
86	22.033	3201	3204	3208	rBV2	919154	1221106	1.89%	0.178%
87	22.074	3208	3211	3215	rVB2	936865	1174089	1.81%	0.171%
88	22.121	3215	3219	3222	rBV	1992533	3225013	4.98%	0.469%
89	22.221	3231	3236	3246	rVB3	2073151	3823791	5.90%	0.556%
90	22.416	3266	3269	3275	rBV2	877999	1938965	2.99%	0.282%
91	22.727	3316	3322	3333	rVB4	1695467	4164292	6.43%	0.606%
92	23.010	3361	3370	3374	rBV2	14722590	38836119	59.95%	5.649%
93	23.180	3394	3399	3409	rVB	3356416	5818807	8.98%	0.846%
94	23.321	3418	3423	3431	rBV3	1279295	3911839	6.04%	0.569%
95	23.515	3449	3456	3462	rBV	8089236	17085712	26.38%	2.485%
96	23.621	3467	3474	3480	rVB	13621729	28291544	43.68%	4.115%
97	23.768	3494	3499	3508	rVB2	4347888	9625598	14.86%	1.400%
98	24.304	3586	3590	3600	rVB3	1442021	3003018	4.64%	0.437%
99	26.168	3897	3907	3917	rVB	6969058	22203394	34.28%	3.230%
100	26.915	4025	4034	4049	rVB	3932482	13625313	21.03%	1.982%

Sum of corrected areas: 687457909

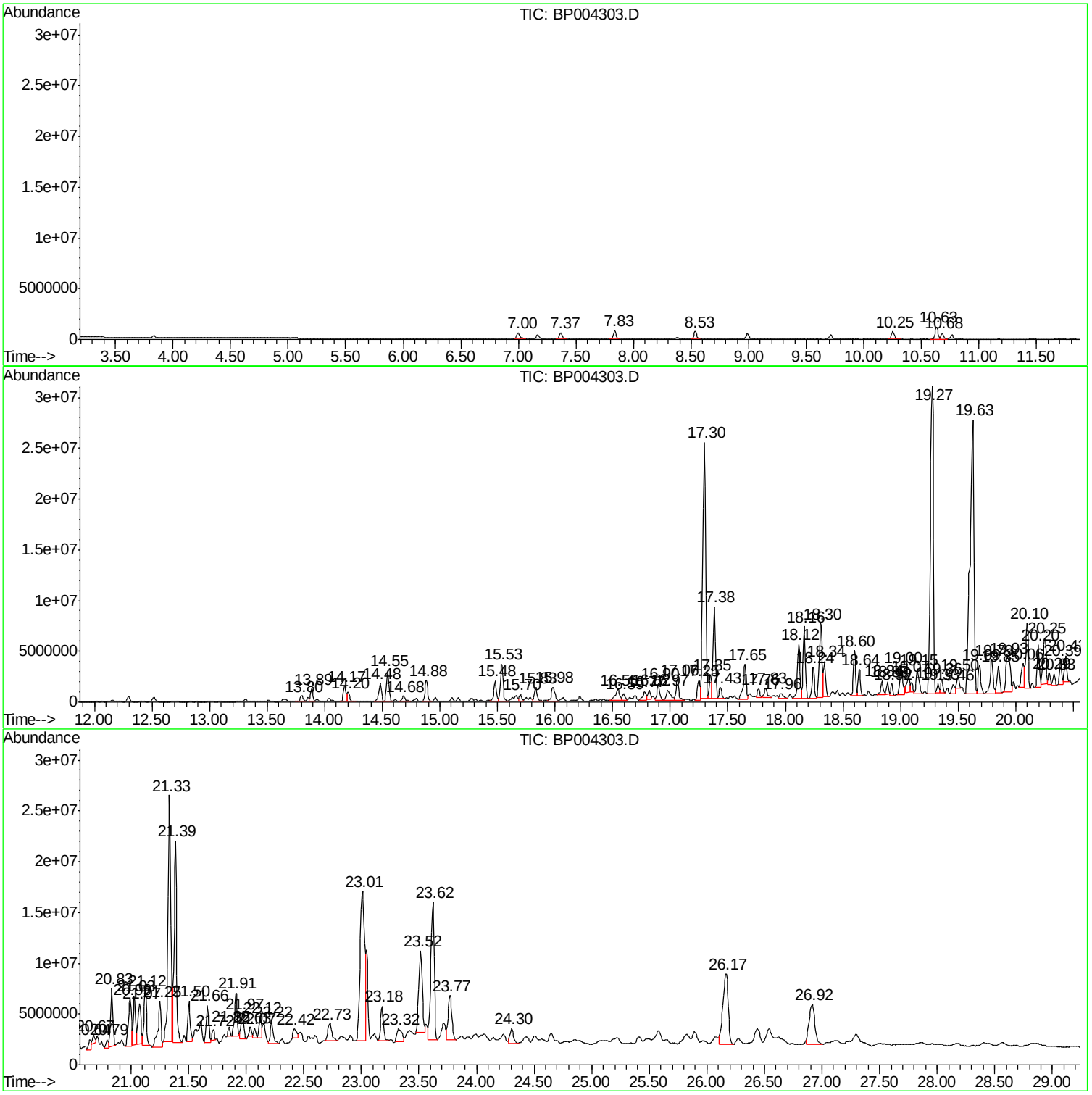
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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 : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

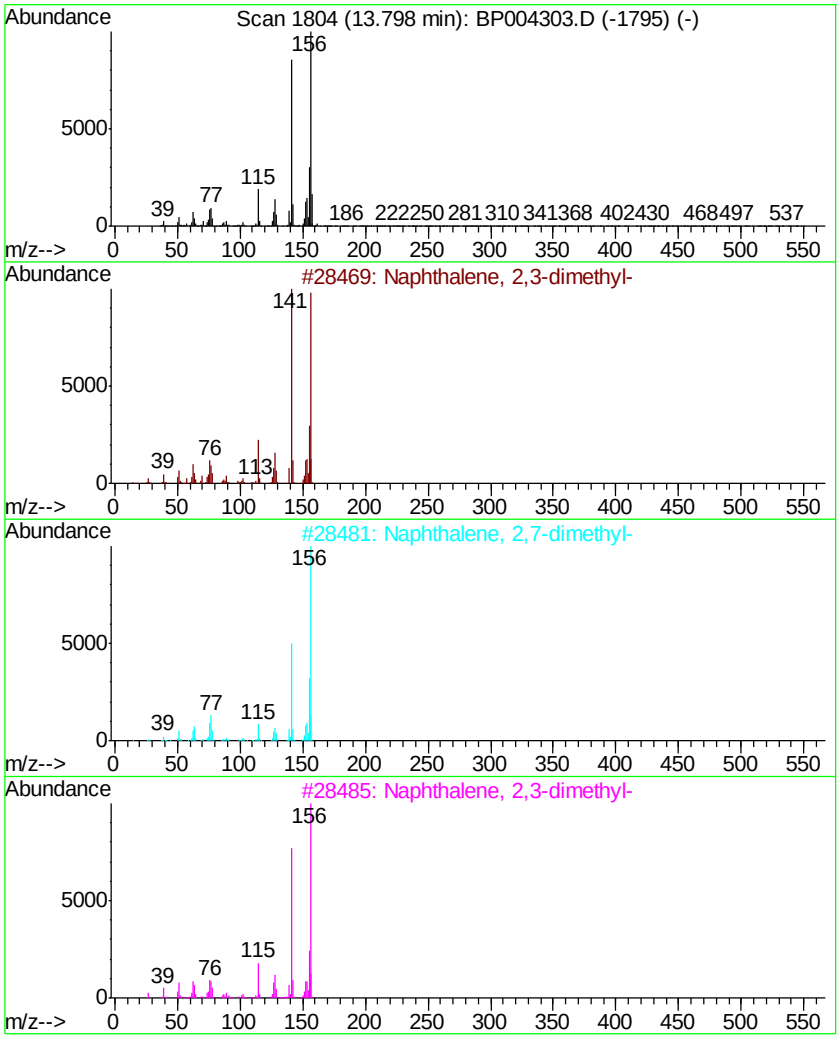
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

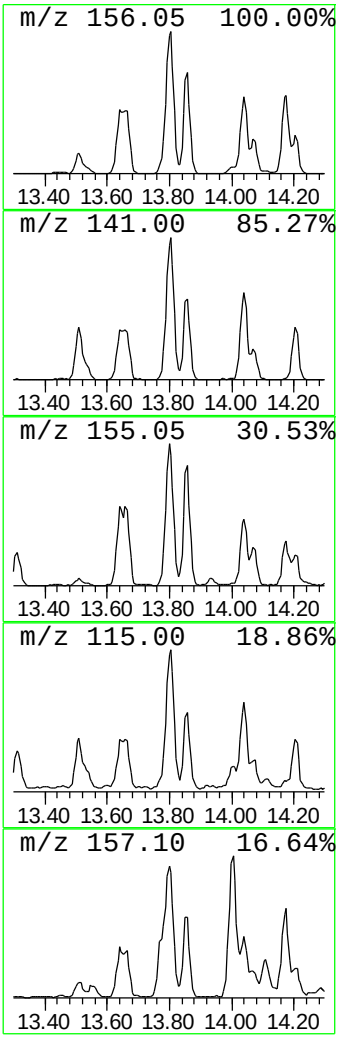
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.74 ng/ul	1050820	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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

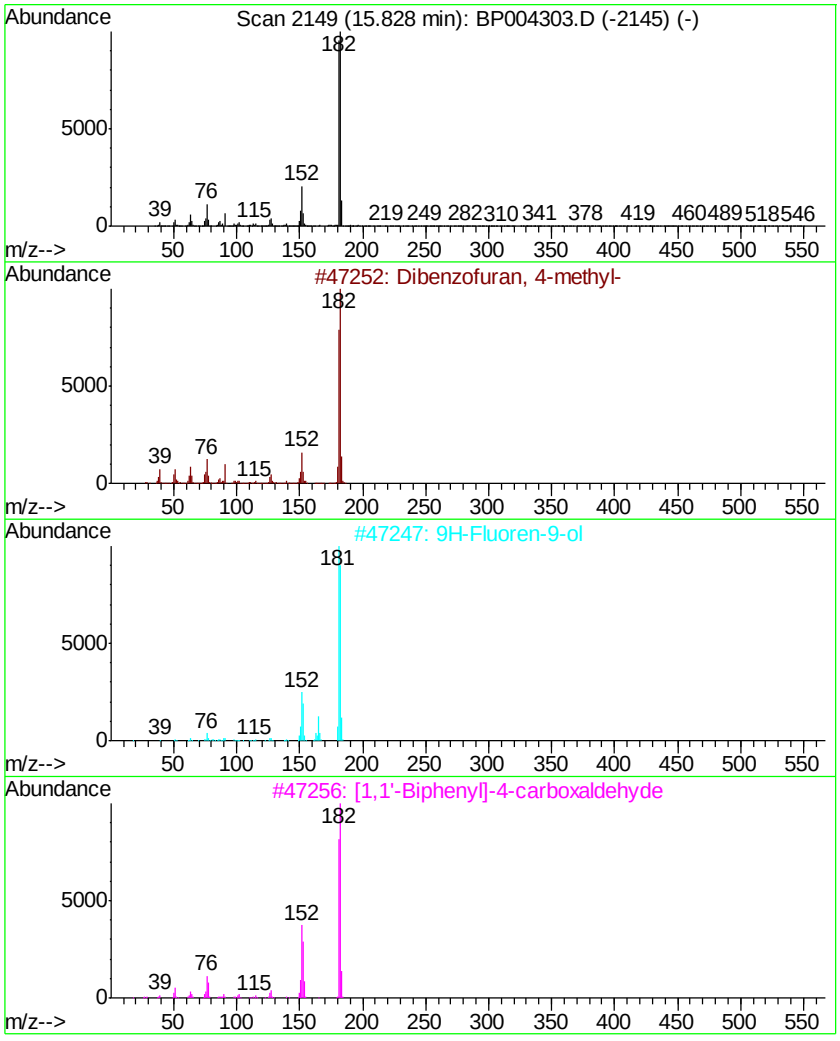
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

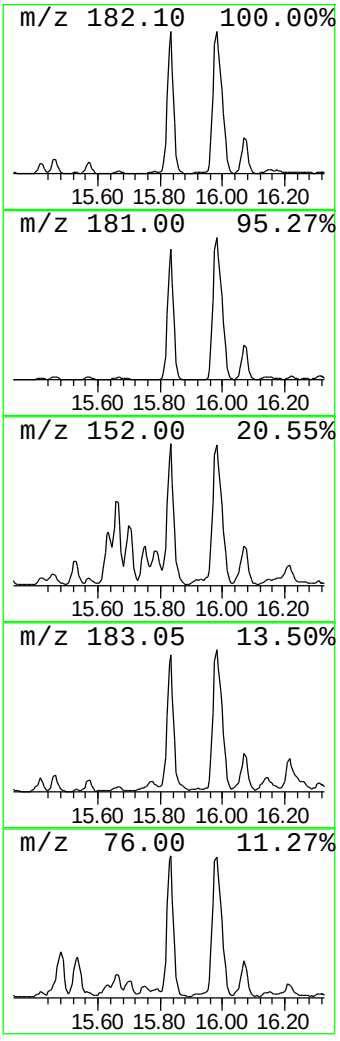
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	13.58 ng/ul	2117790	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	62
4	9H-Xanthene	182	C13H10O	000092-83-1	60
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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

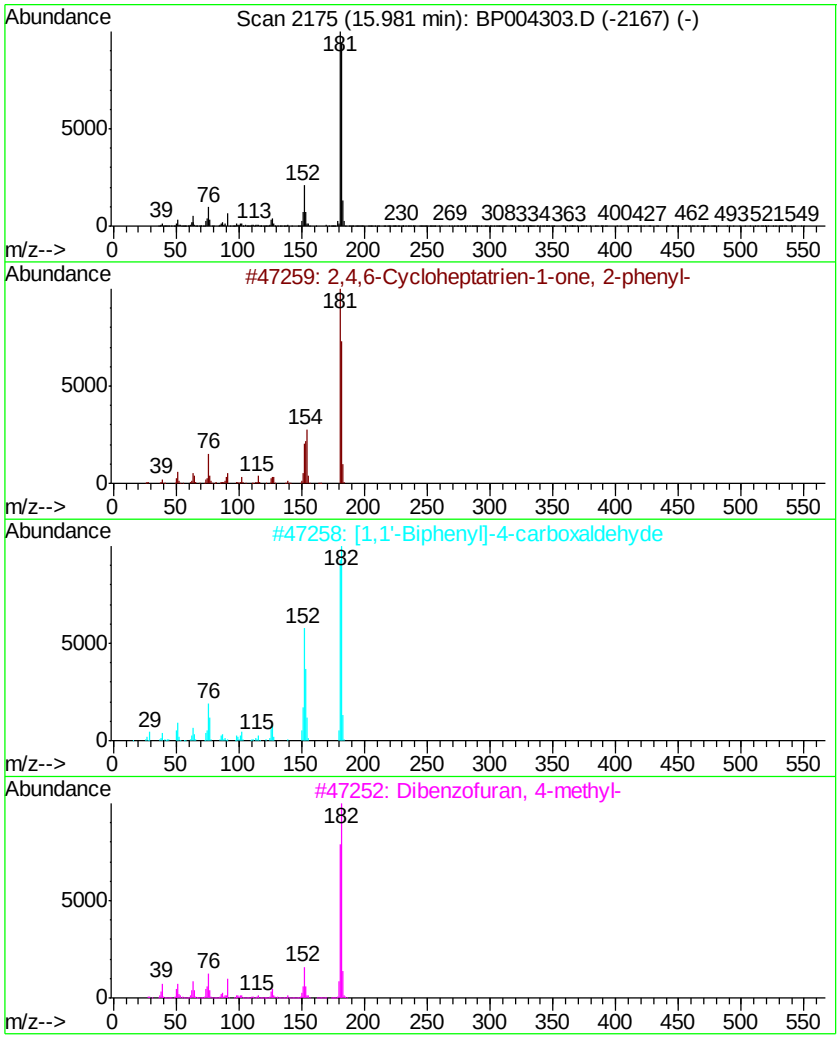
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

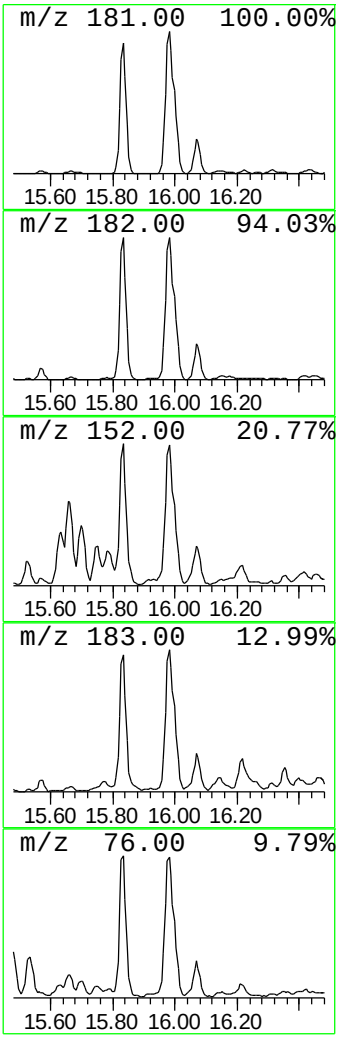
****

Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	17.53 ng/ul	2838200	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	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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

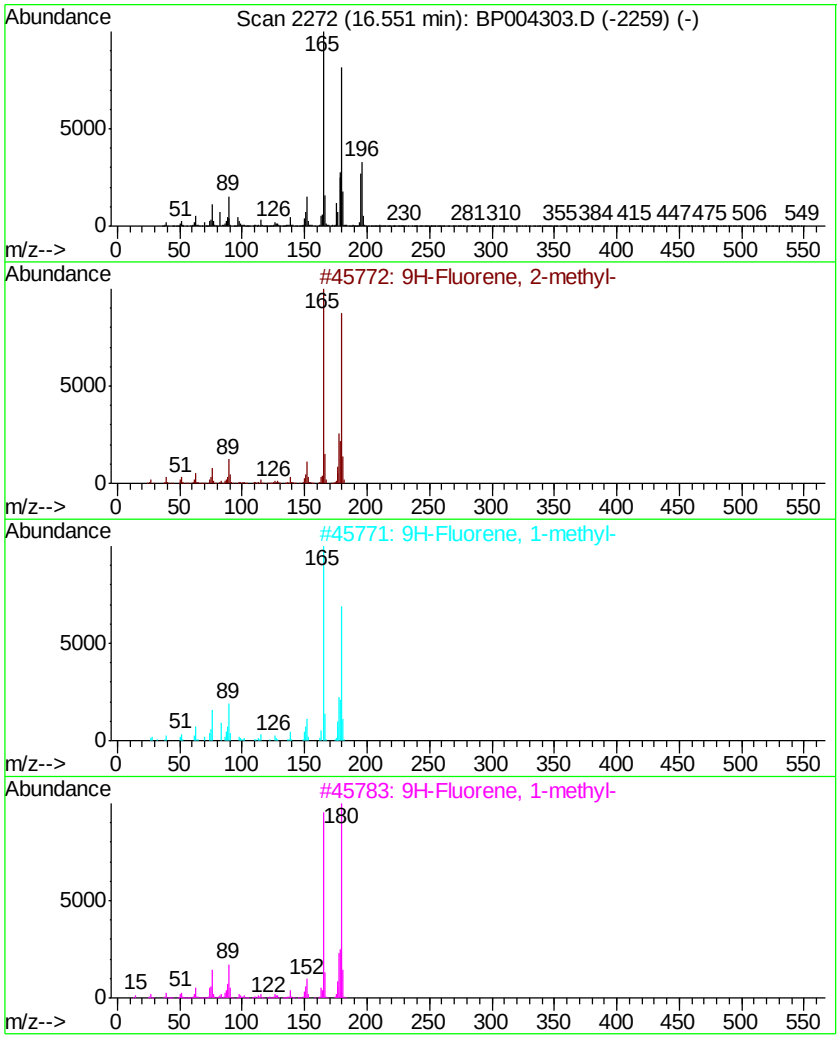
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

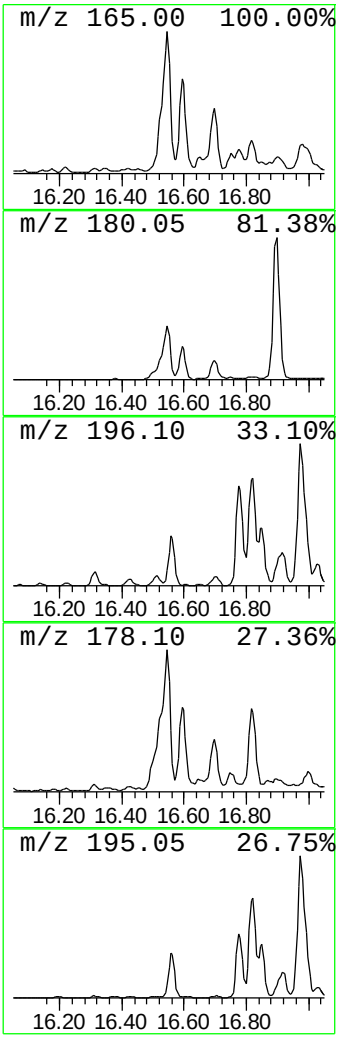
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	16.60 ng/ul	2688160	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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

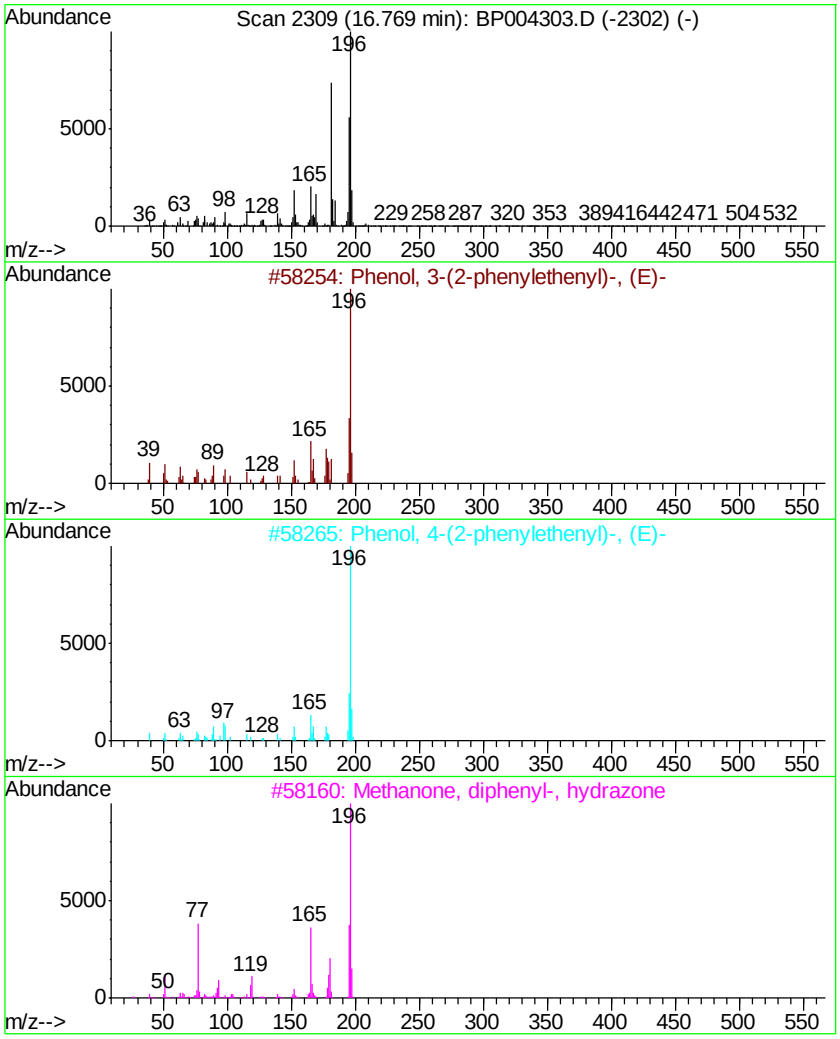
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

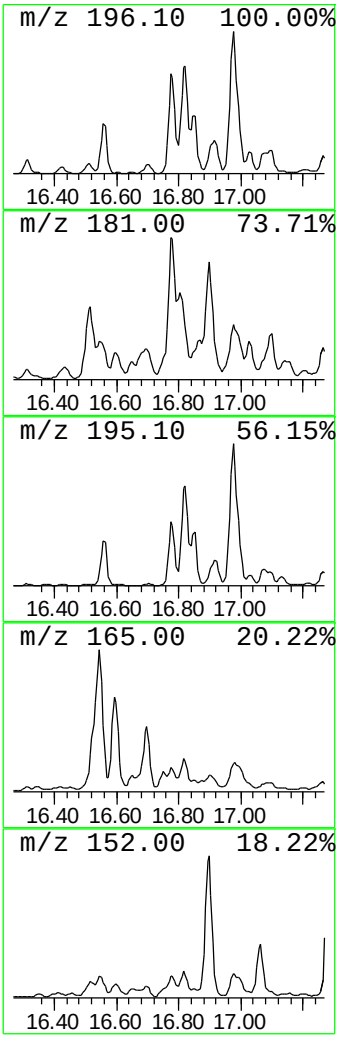
****

Peak Number 7 Phenol, 3-(2-phenylethenyl)... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	10.84 ng/ul	1755230	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
3	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	46
4	Phenazine, 5-oxide	196	C12H8N2O	000304-81-4	43
5	Indeno[1,2-b]pyridin-5-one, 4-am...	196	C12H8N2O	1000316-66-4	38





Library Search Compound Report

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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

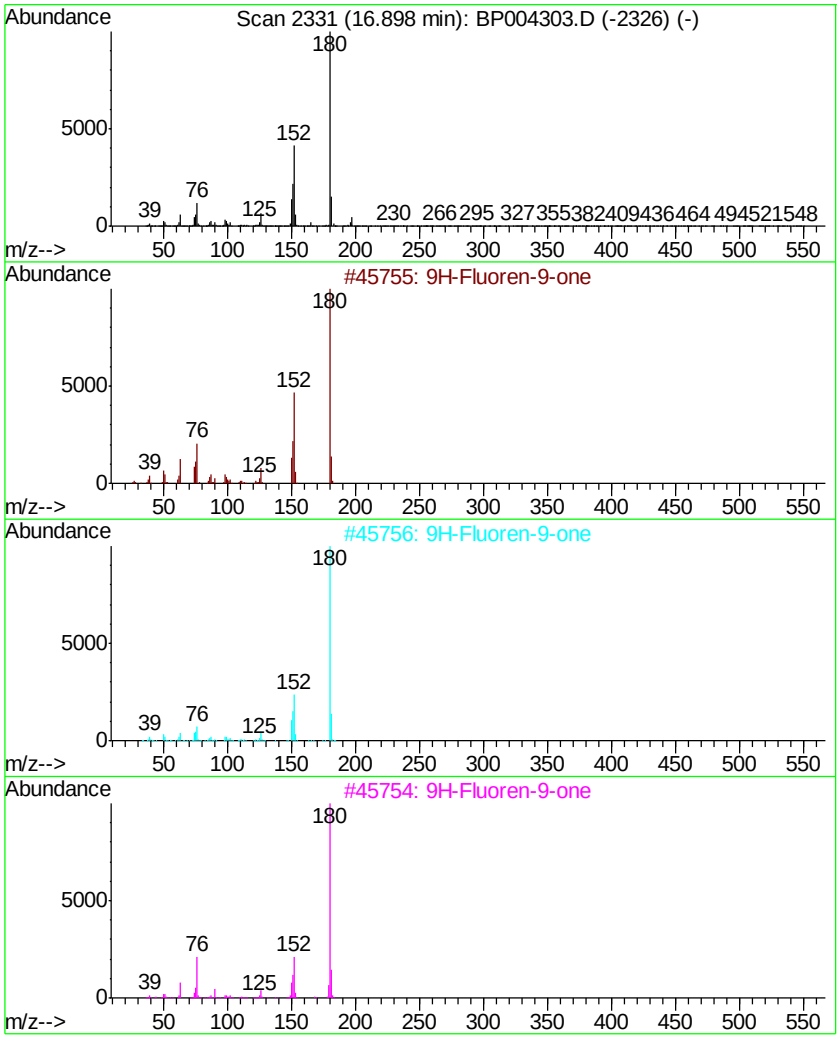
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

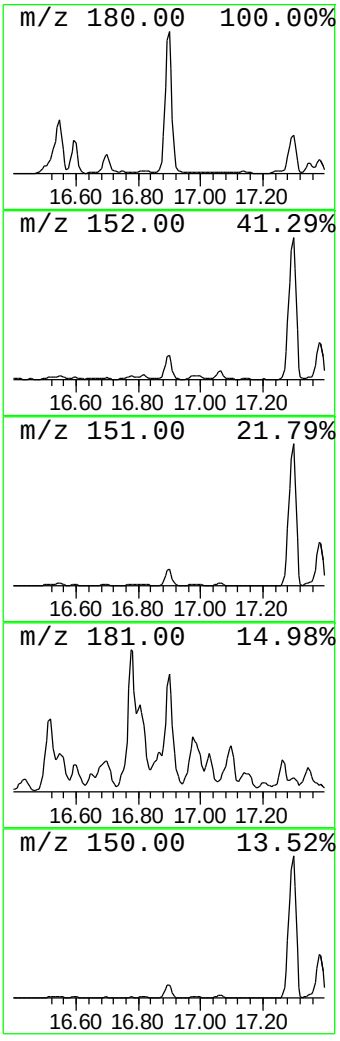
****

Peak Number 9 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	16.54 ng/ul	2678290	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
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	93
5	Diphenic anhydride	224	C14H8O3	006050-13-1	90





Library Search Compound Report

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Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

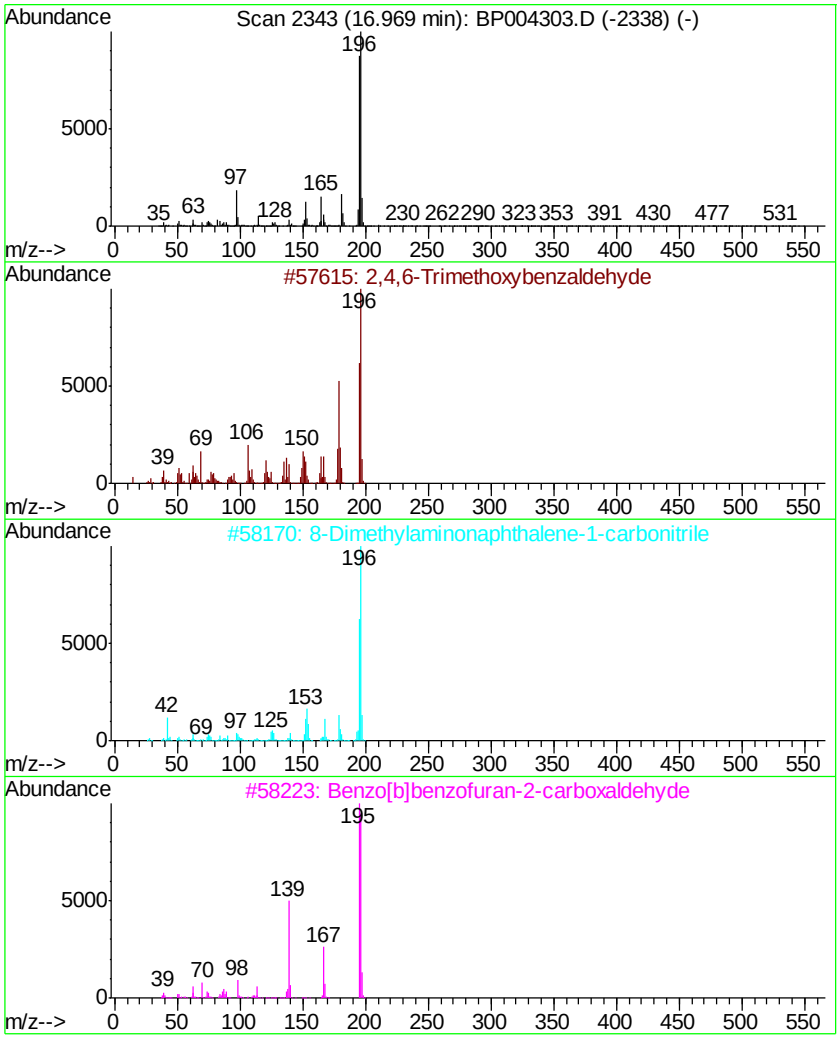
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

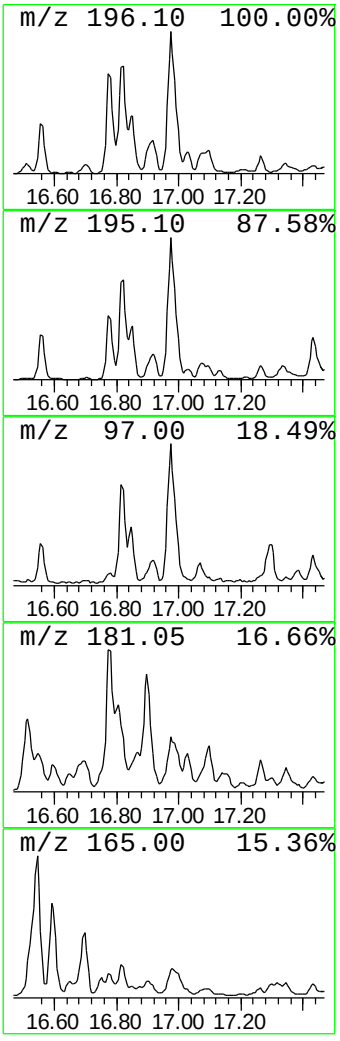
****

Peak Number 10 2,4,6-Trimethoxybenzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	15.94 ng/ul	2581220	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	76
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

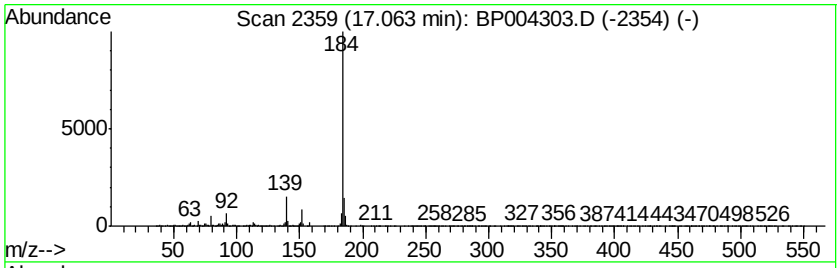
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

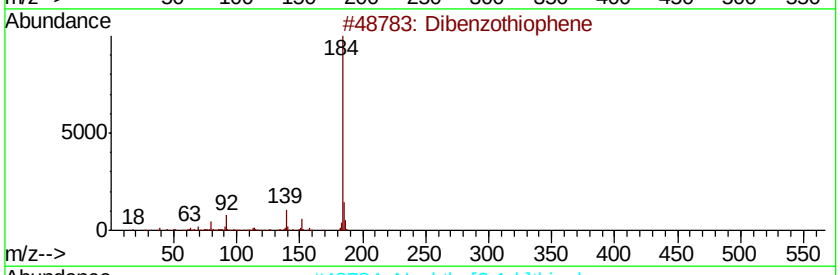
****

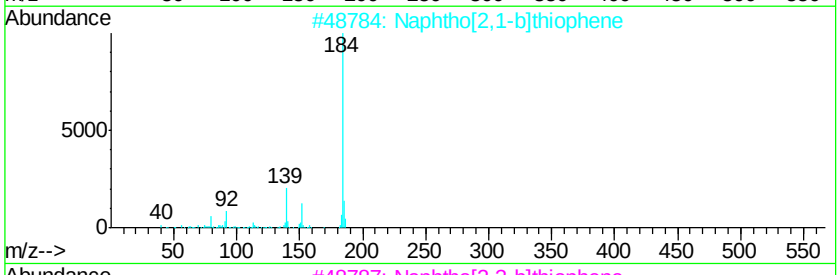
Peak Number 11 Dibenzothiophene Concentration Rank 10

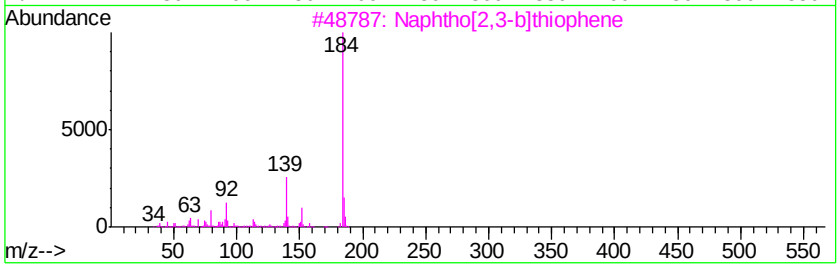
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	20.04 ng/ul	3244890	Phenanthrene-d10	17.25

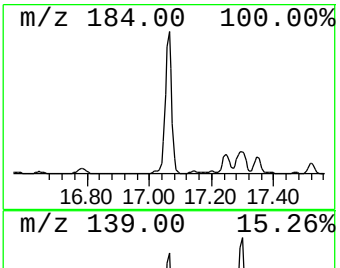
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94

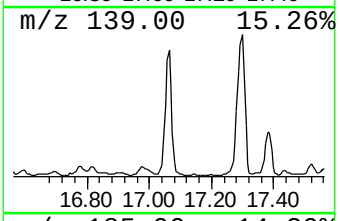


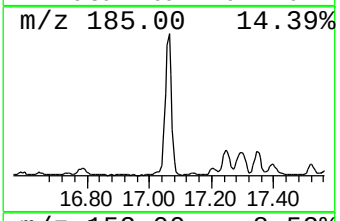


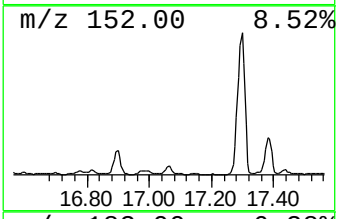


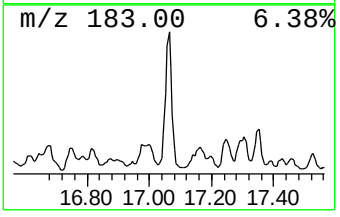












Library Search Compound Report

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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

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

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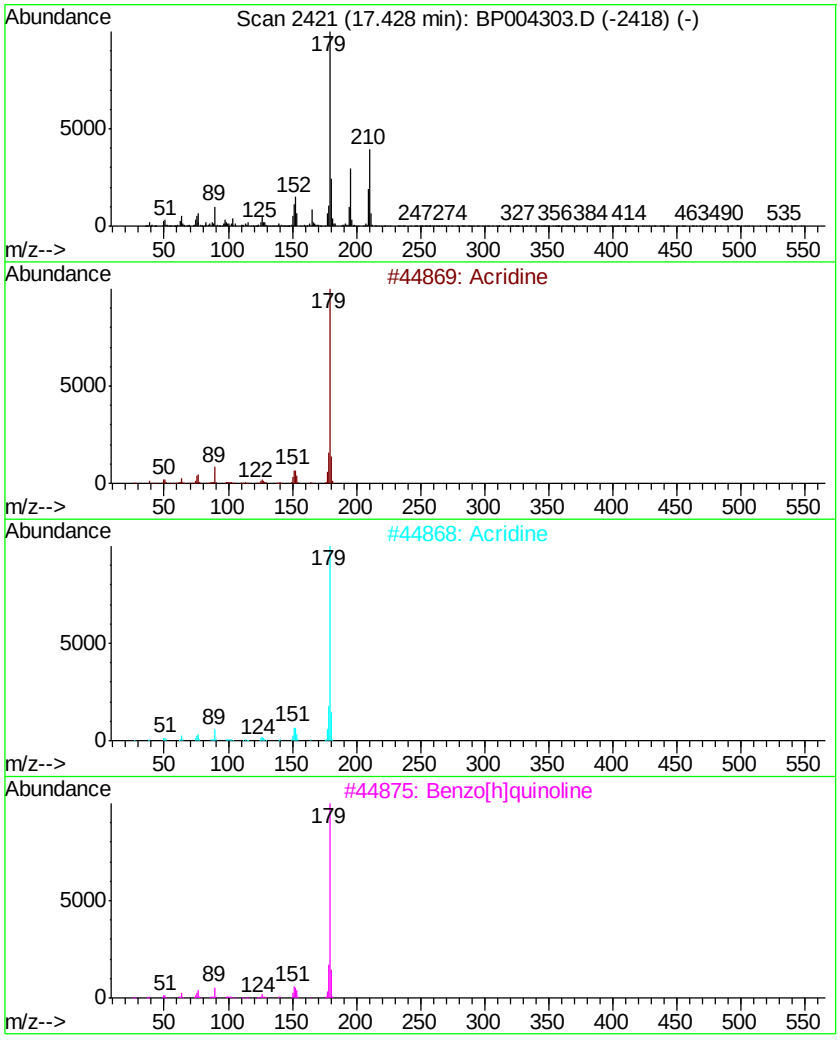
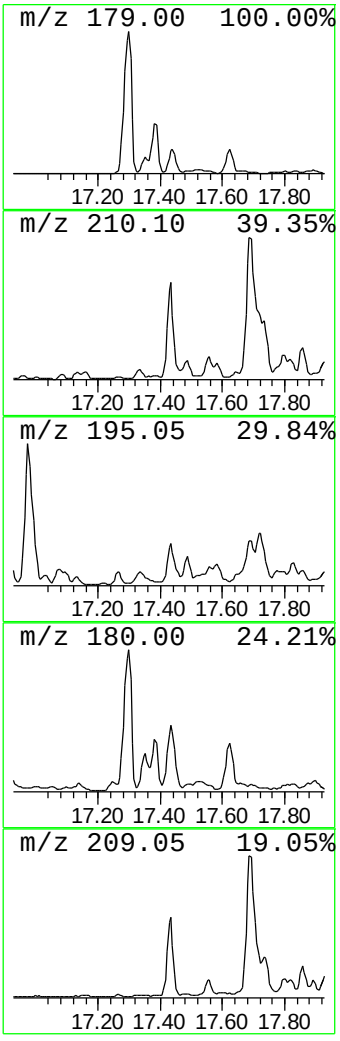
Peak Number 12 Acridine Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	10.41 ng/ul	1686180	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Acridine	179	C13H9N	000260-94-6	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	83
5	Phenanthridine	179	C13H9N	000229-87-8	83





Library Search Compound Report

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Misc :
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Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

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

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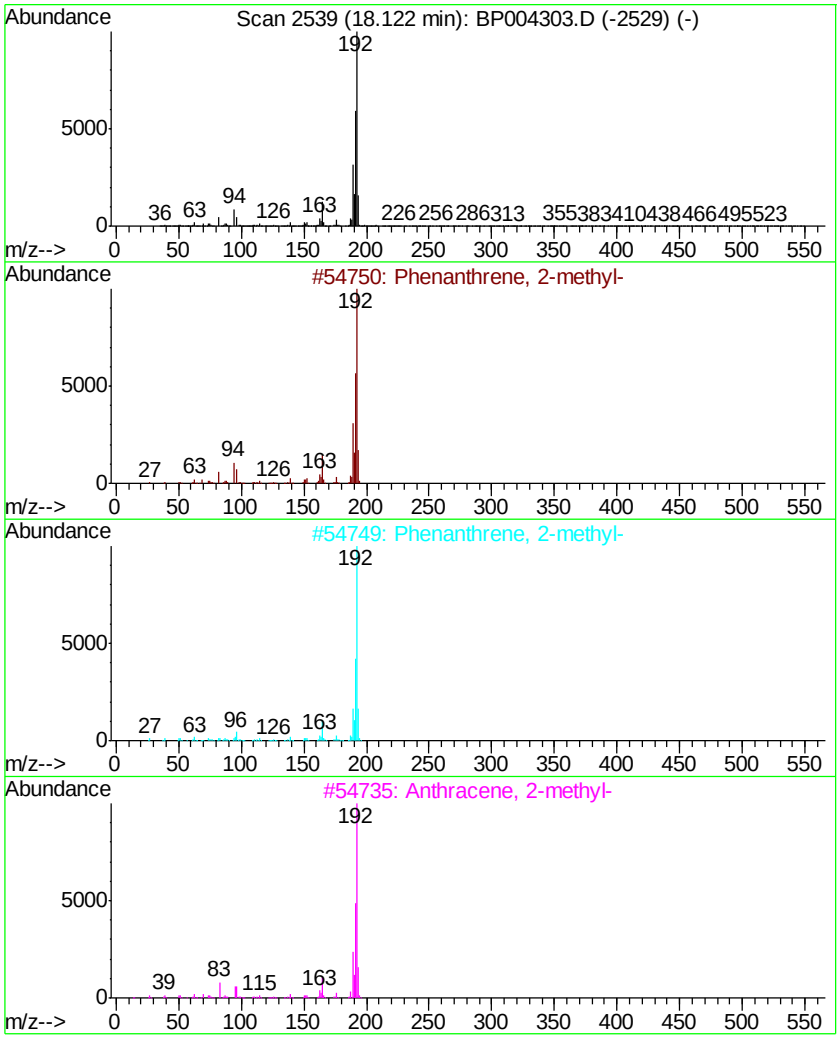
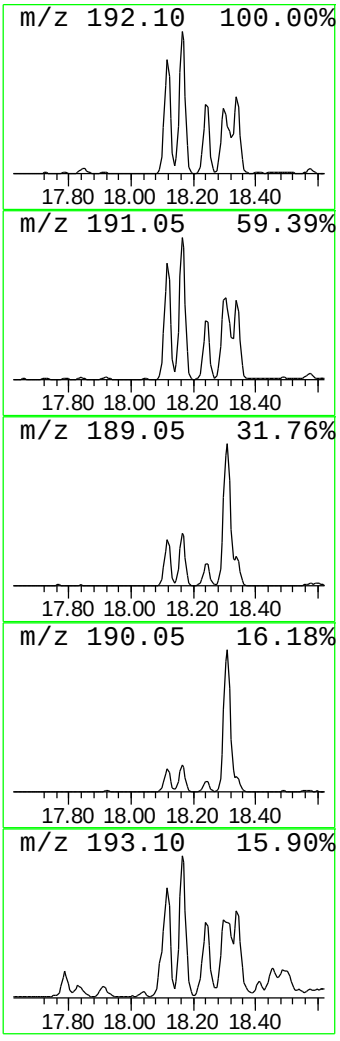
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	50.01 ng/ul	8097650	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, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Operator : CG/JU
Sample : L5001-13
Misc :
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Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

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

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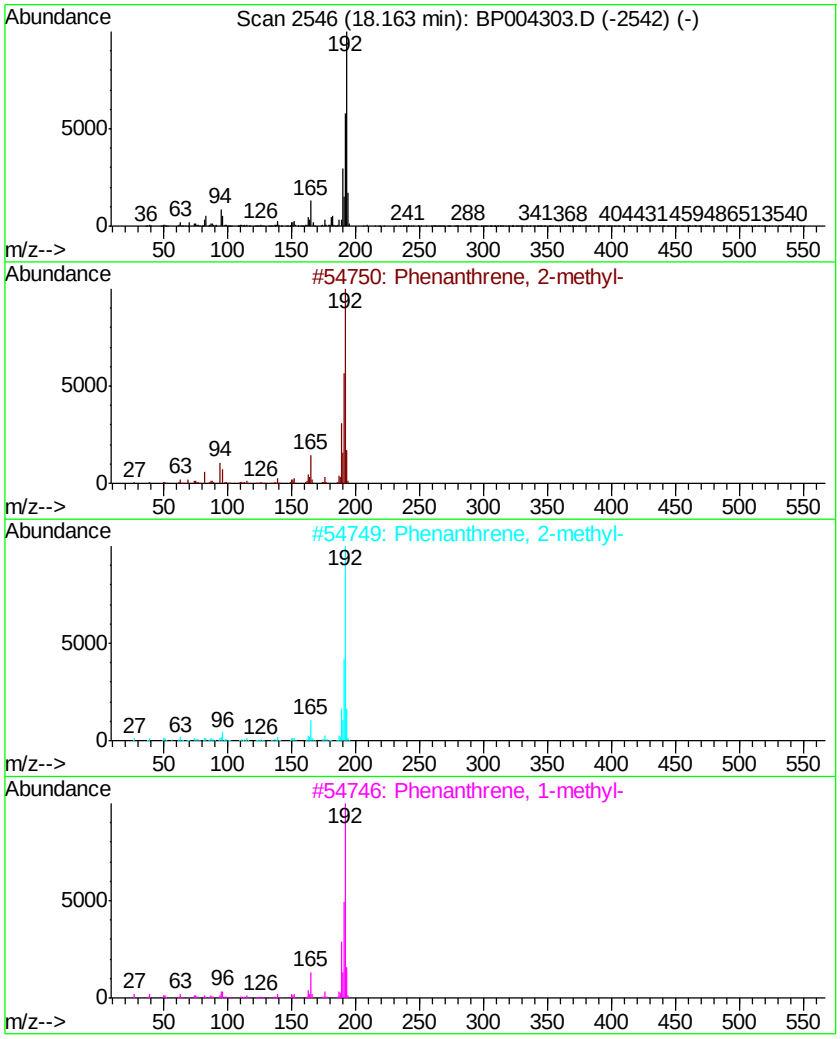
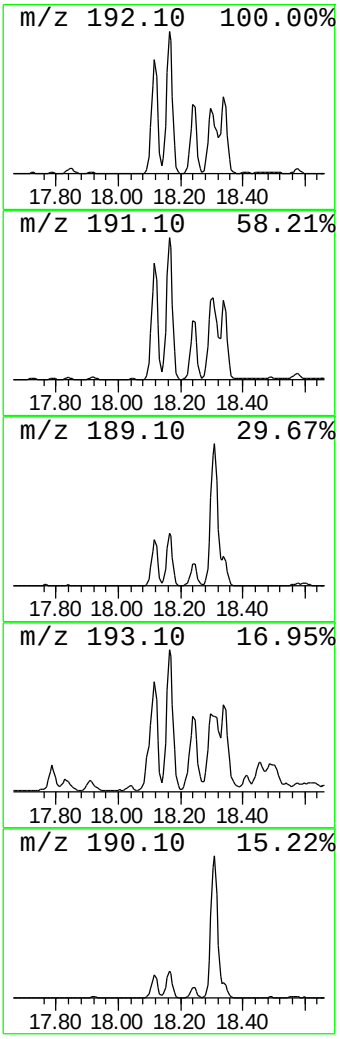
Peak Number 17 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	61.11 ng/ul	9895050	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, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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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Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

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

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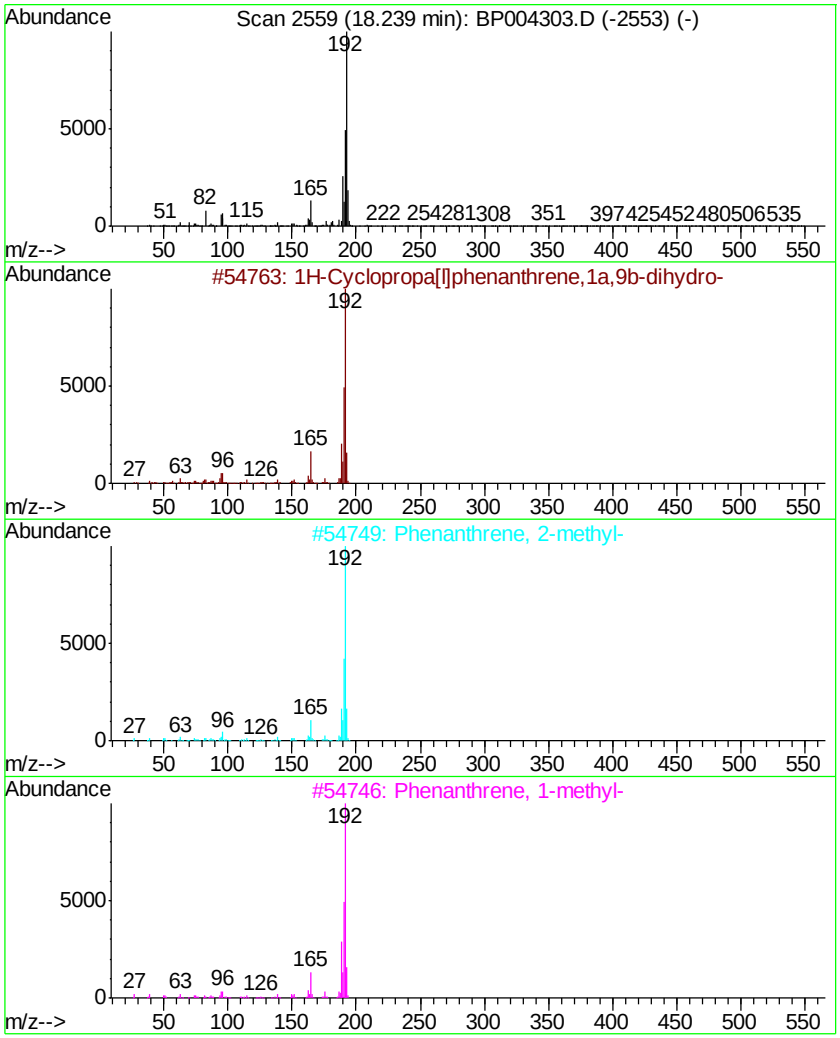
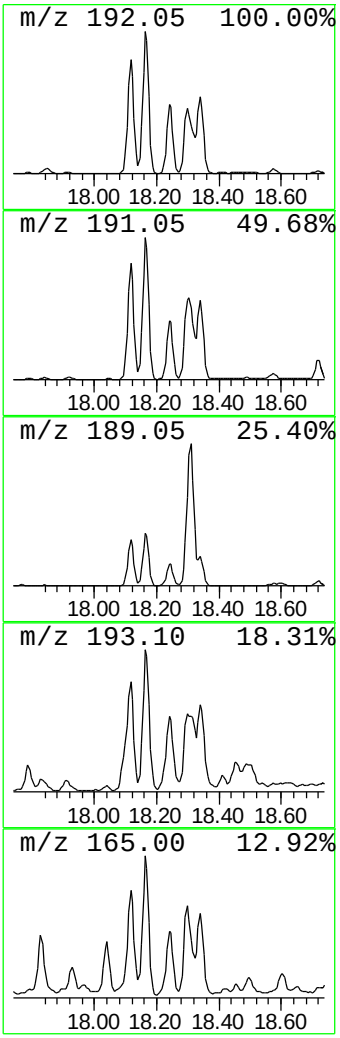
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	27.76 ng/ul	4494490	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	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

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

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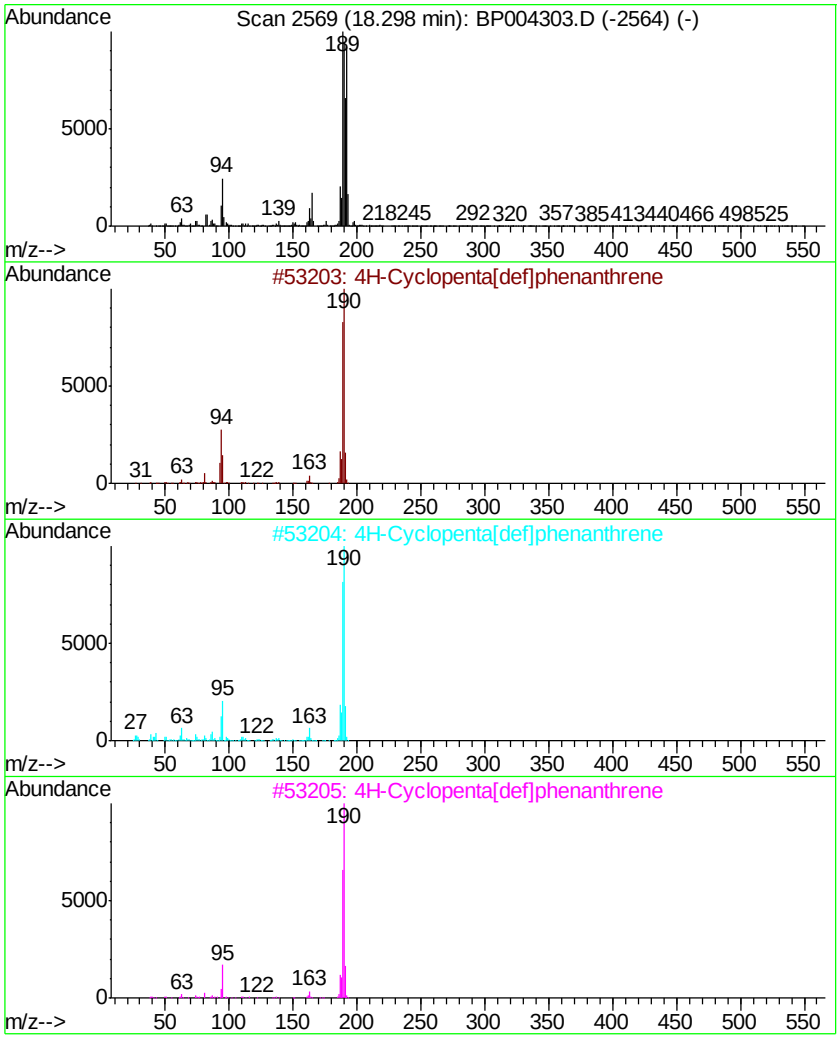
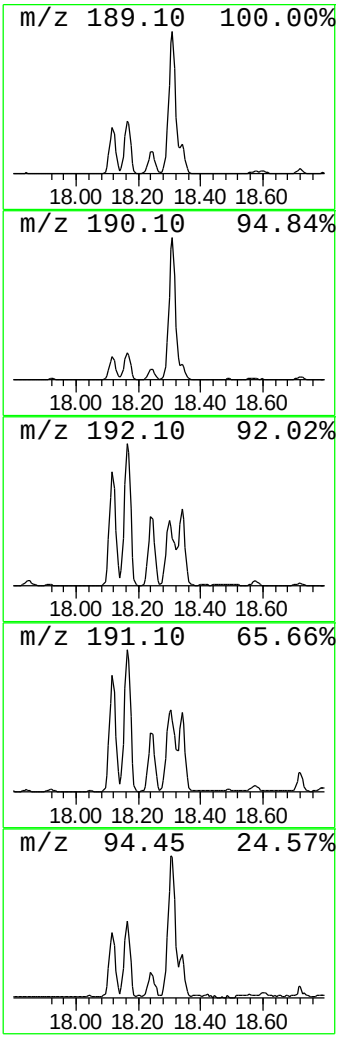
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	81.25 ng/ul	13155900	Phenanthrene-d10	17.25

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	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Quant Title : SVOA CALIBRATION

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

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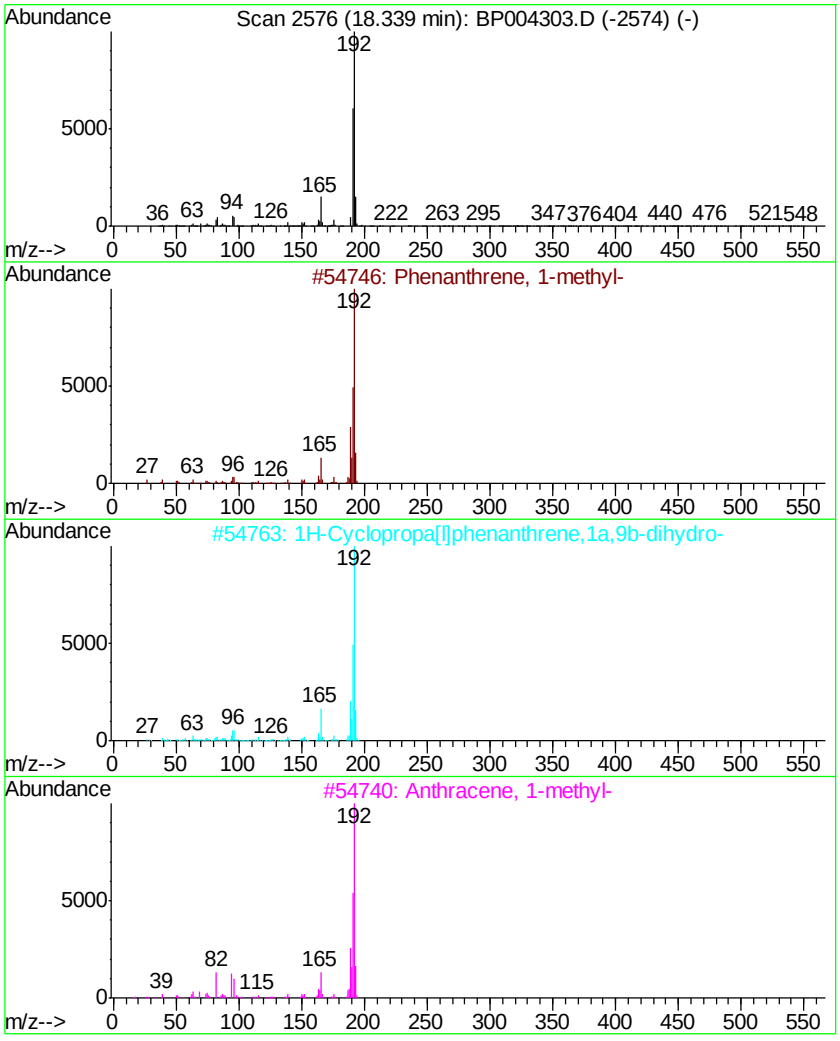
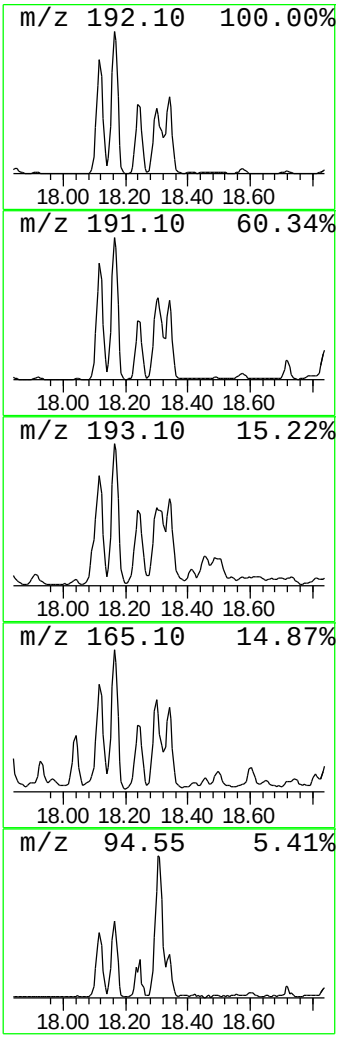
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	25.63 ng/ul	4149770	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Quant Title : SVOA CALIBRATION

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

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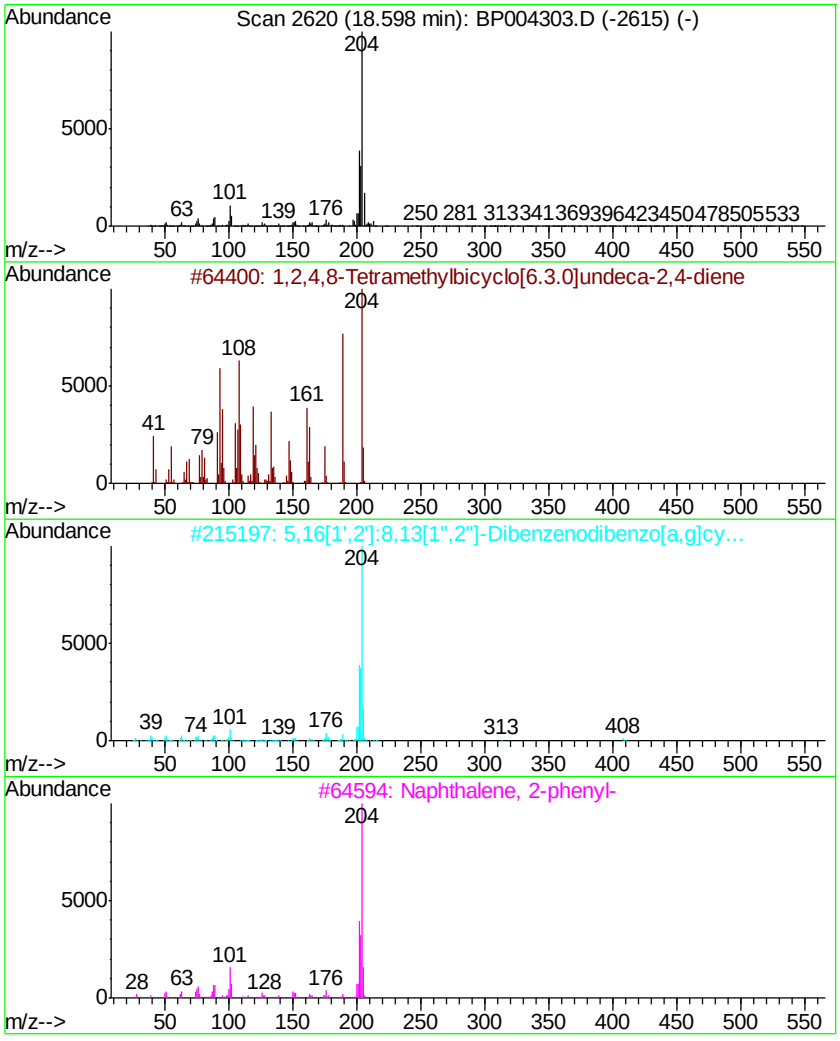
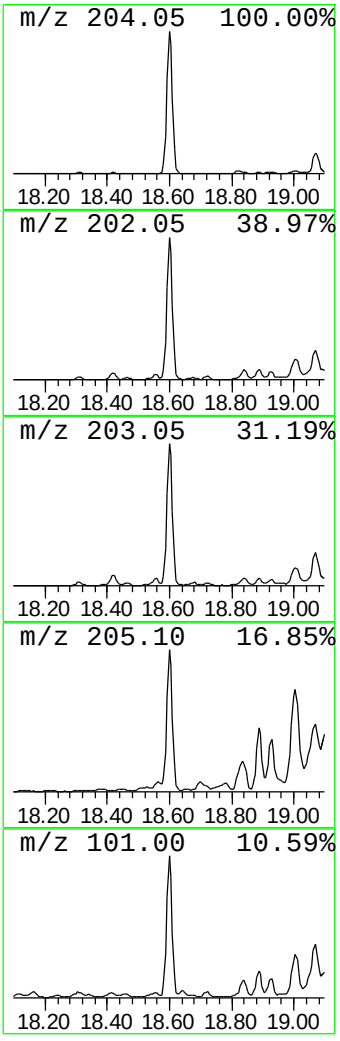
Peak Number 21 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	35.63 ng/ul	5768460	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86





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Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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

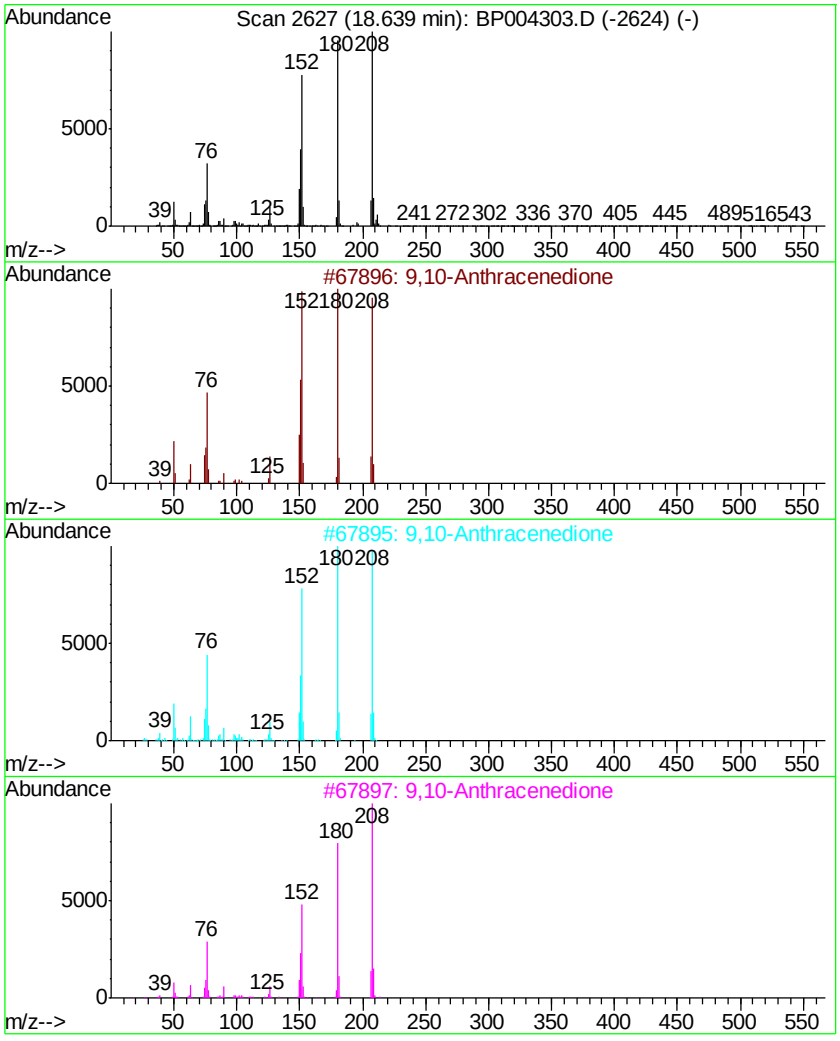
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

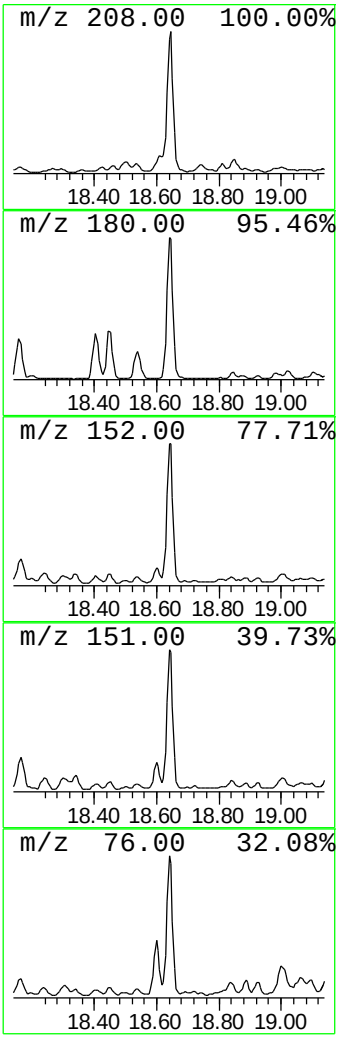
****

Peak Number 22 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	20.82 ng/ul	3370610	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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

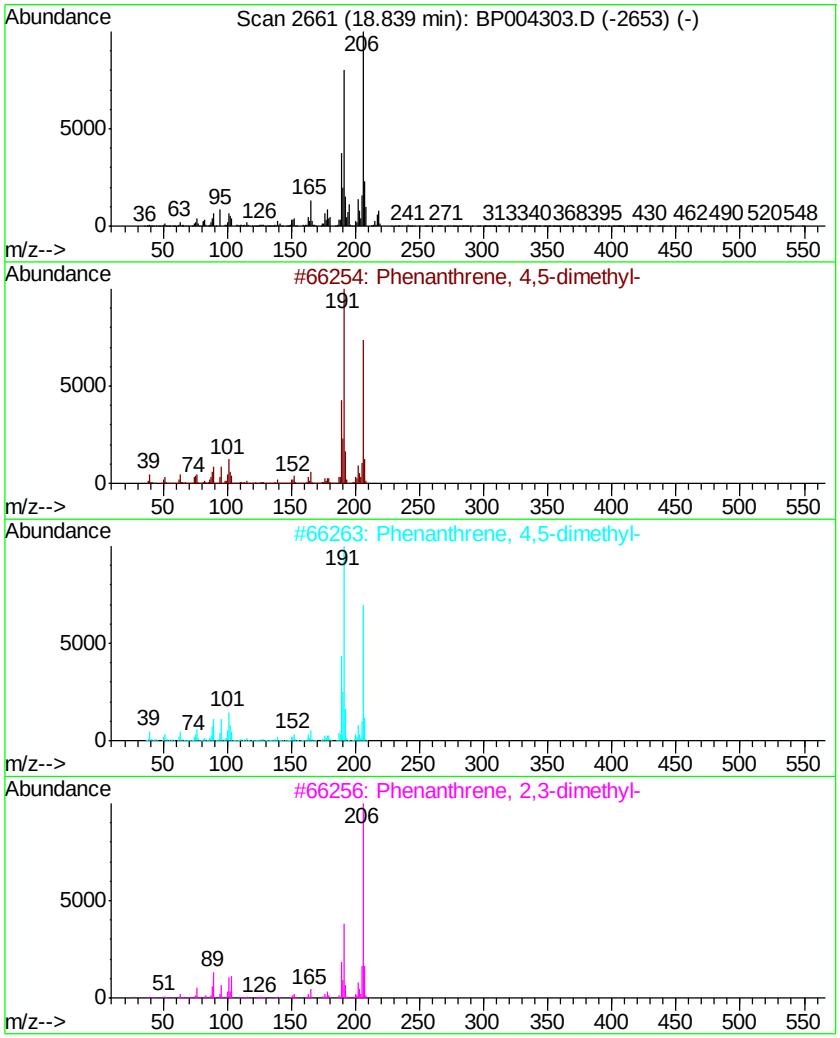
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

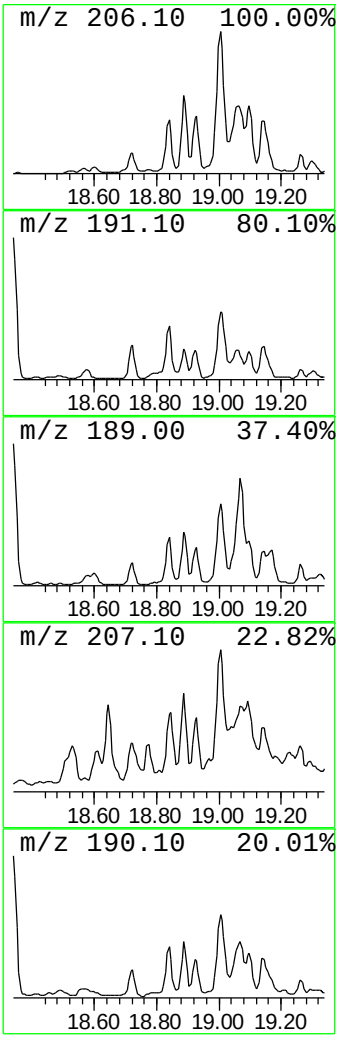
****

Peak Number 23 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	14.16 ng/ul	2292720	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91





Library Search Compound Report

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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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Quant Title : SVOA CALIBRATION

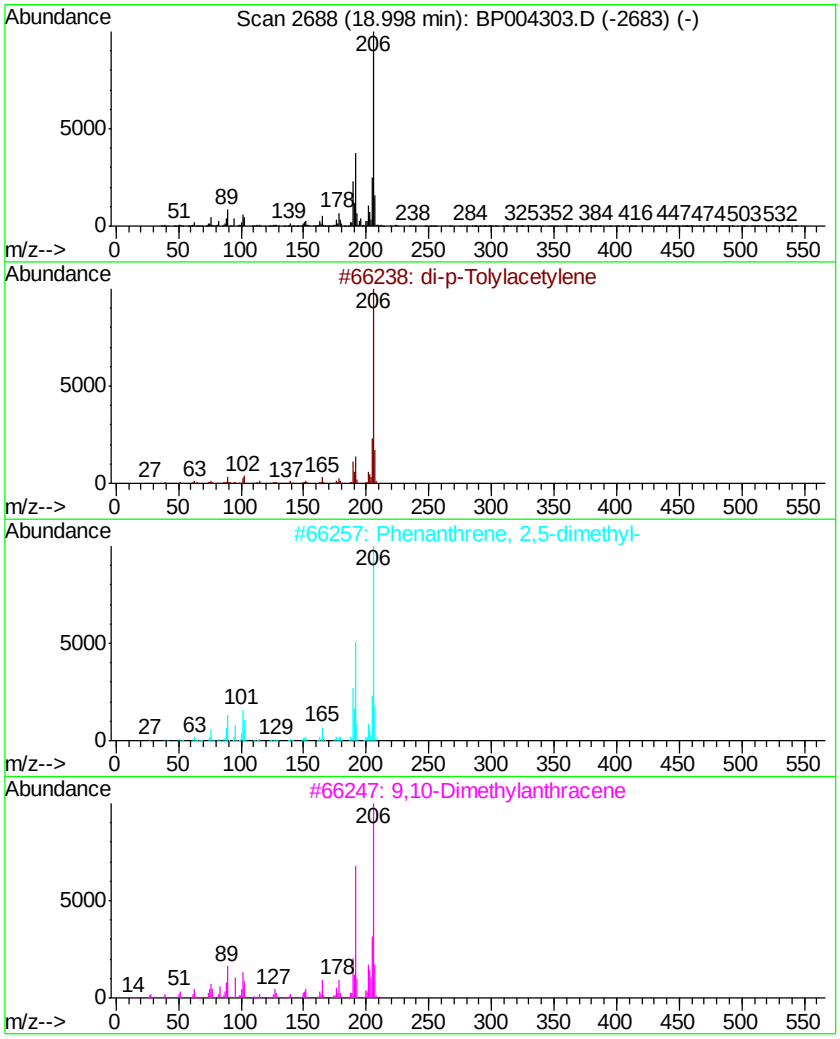
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

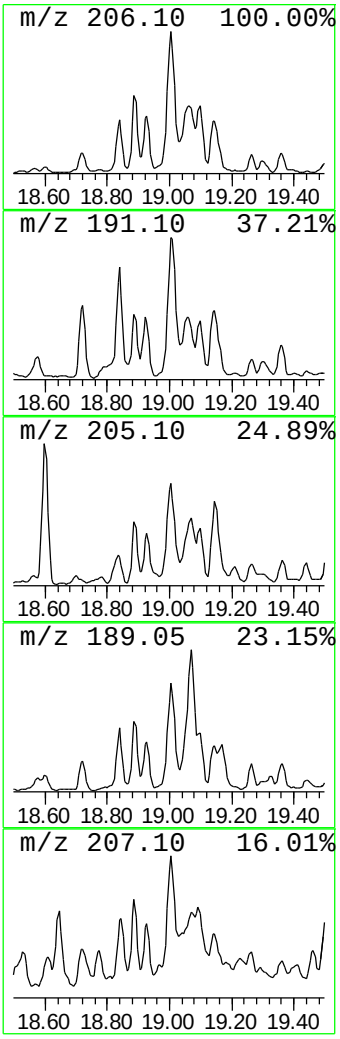
****

Peak Number 26 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	30.33 ng/ul	4910840	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

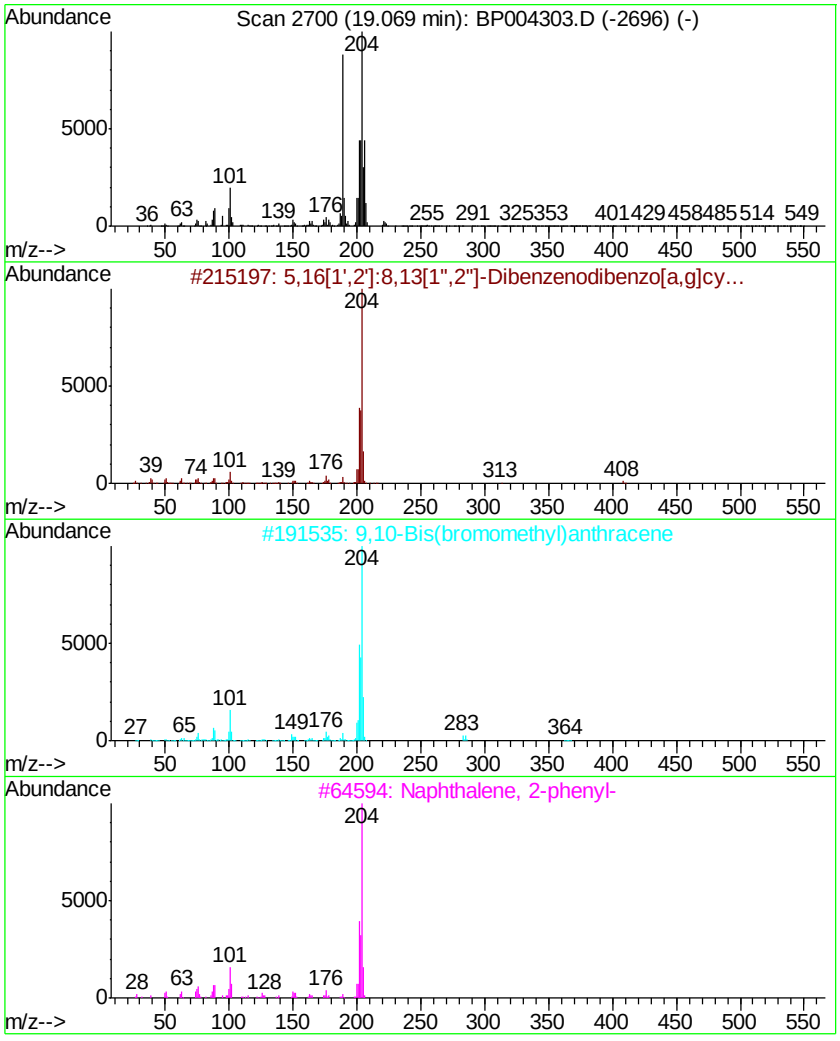
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

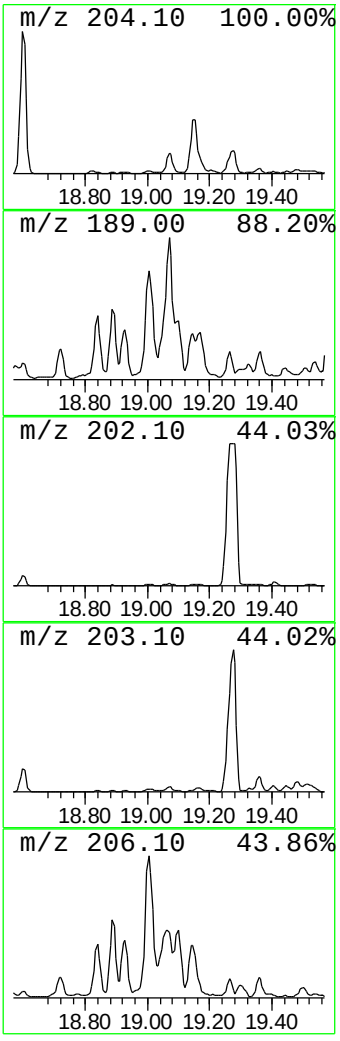
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	17.16 ng/ul	2777880	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	60
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	43
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43





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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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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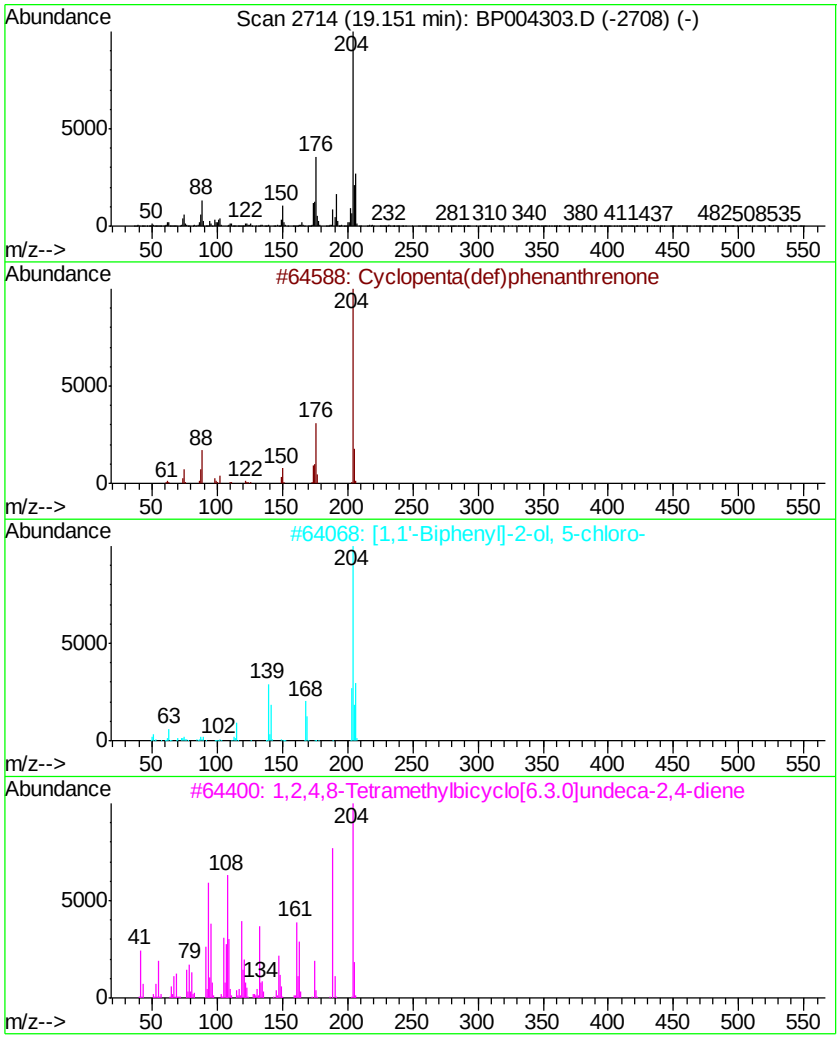
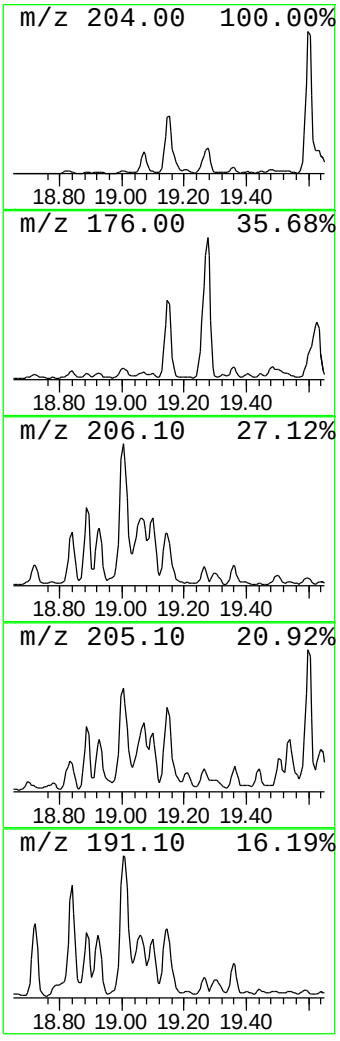
Peak Number 29 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	26.30 ng/ul	4257440	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





Library Search Compound Report

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Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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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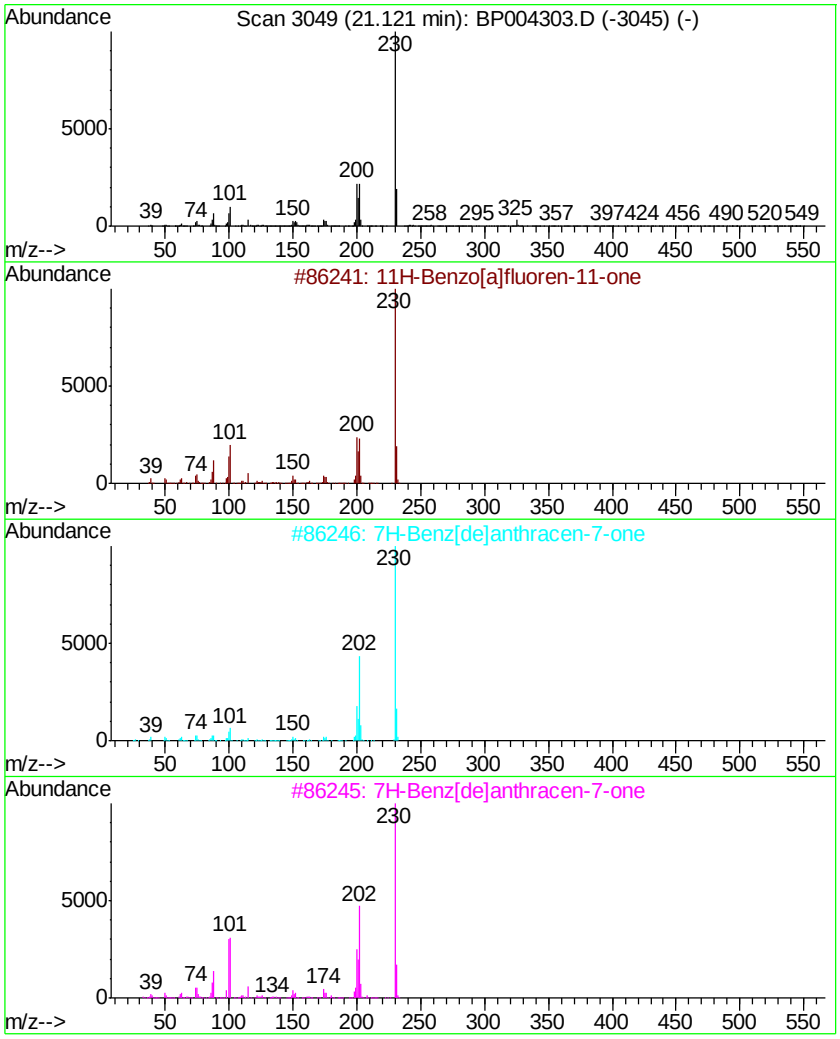
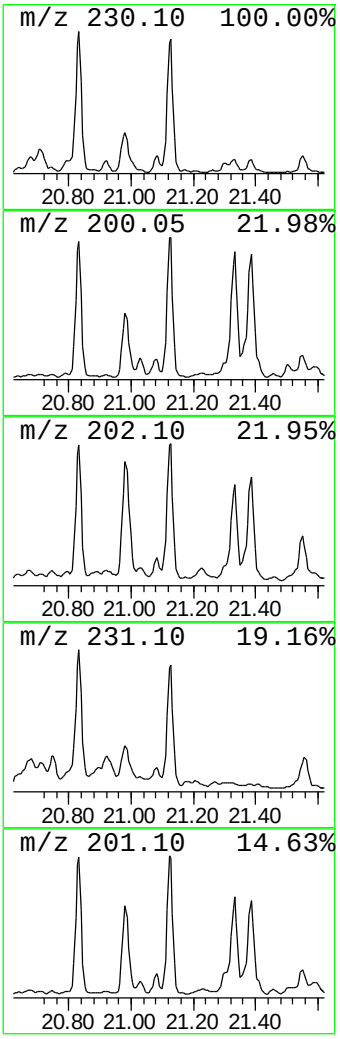
Peak Number 40 11H-Benzo[a]fluoren-11-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	4.04 ng/ul	8377110	Chrysene-d12	21.34

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	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	86
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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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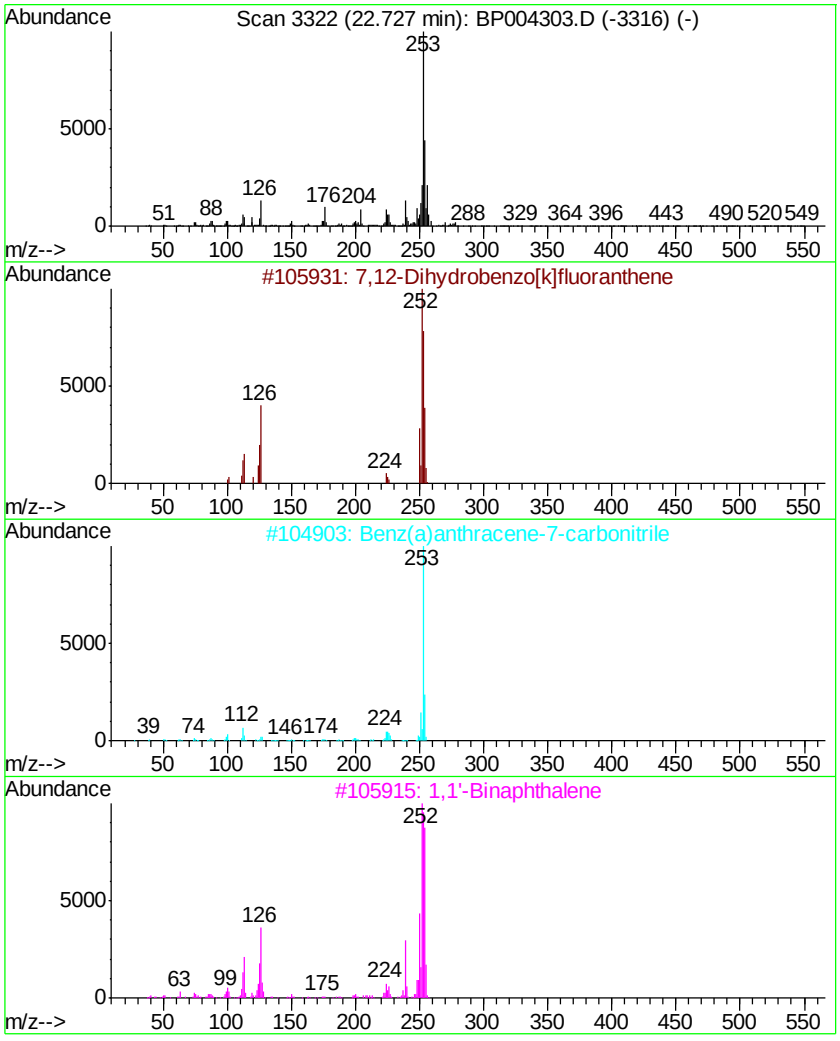
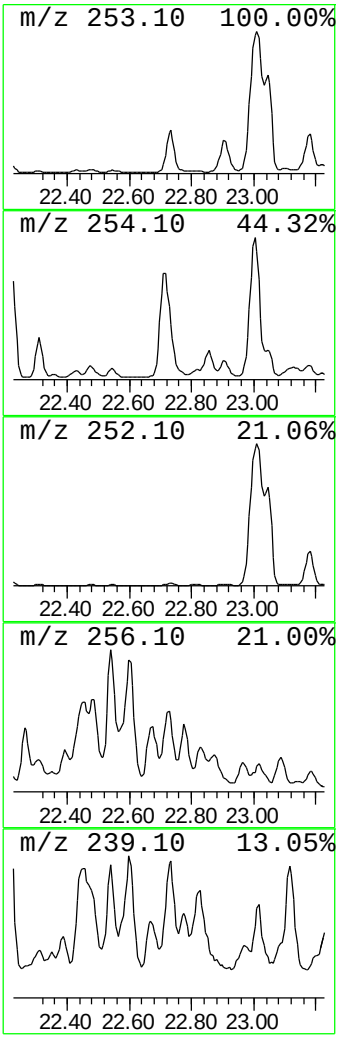
Peak Number 44 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.73	8.65 ng/ul	4164290	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	62
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	50
4	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	45





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Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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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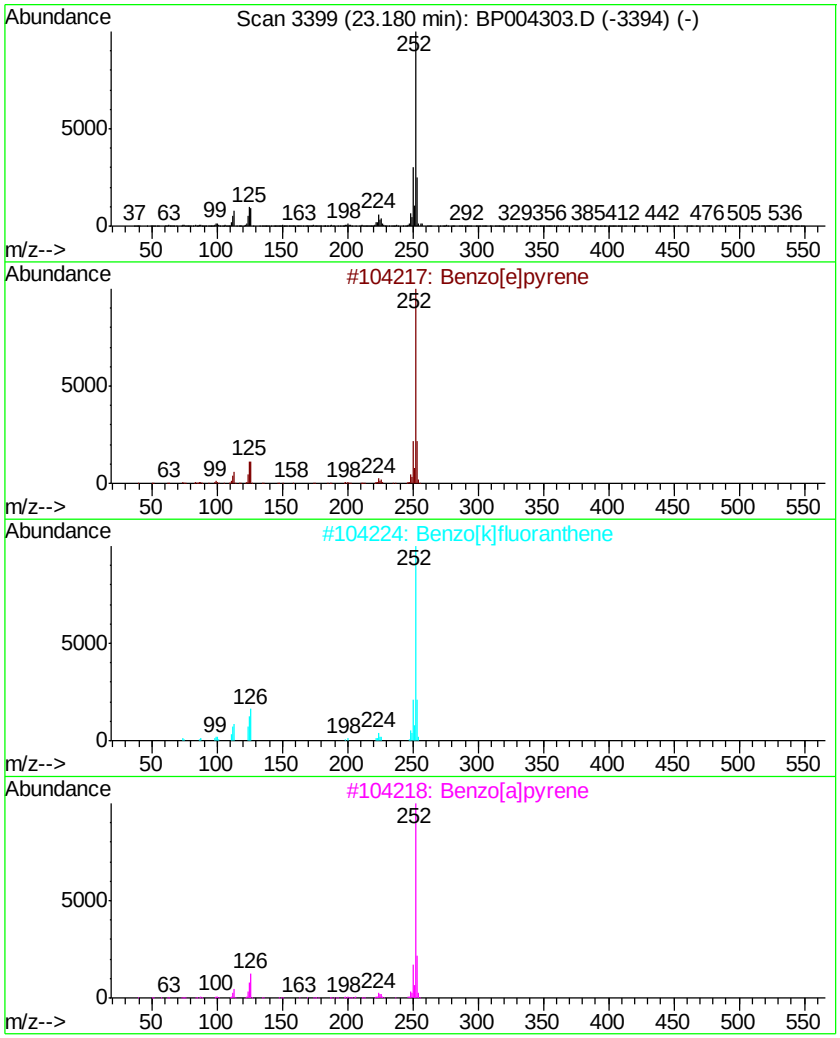
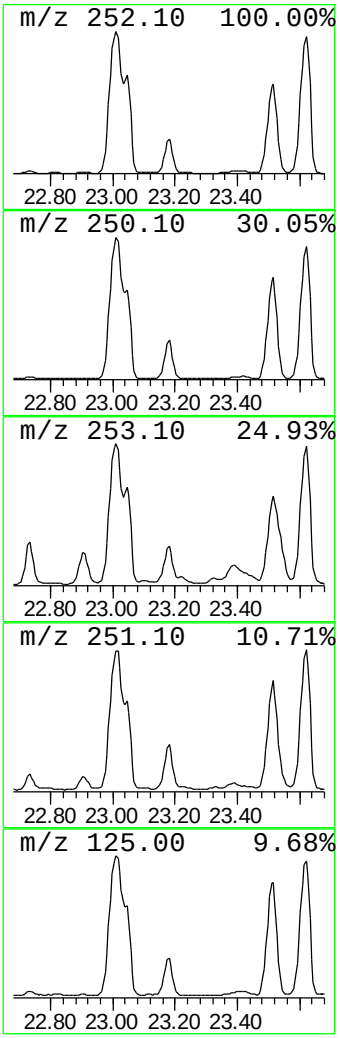
Peak Number 45 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	12.09 ng/ul	5818810	Perylene-d12	23.72

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	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





Library Search Compound Report

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Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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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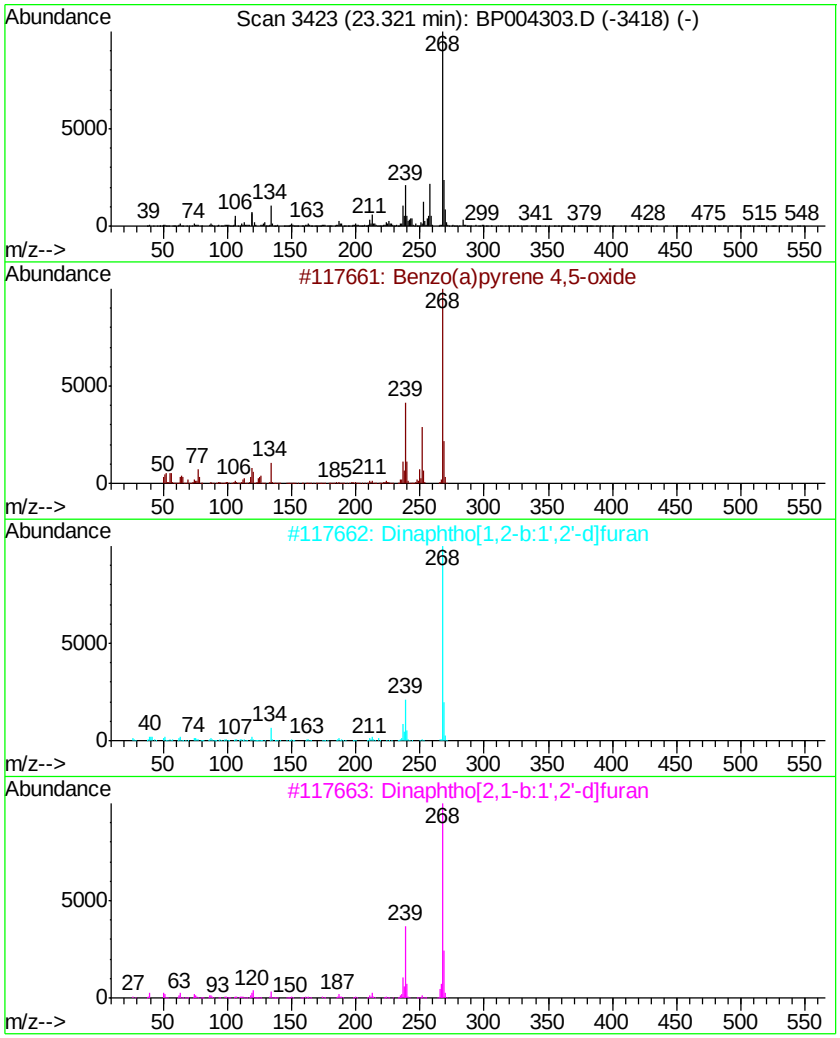
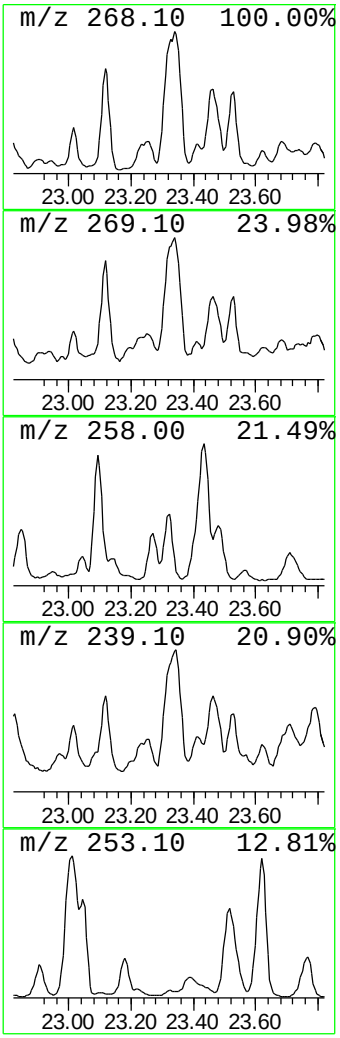
Peak Number 46 Benzo(a)pyrene 4,5-oxide Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	8.13 ng/ul	3911840	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
5	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53





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Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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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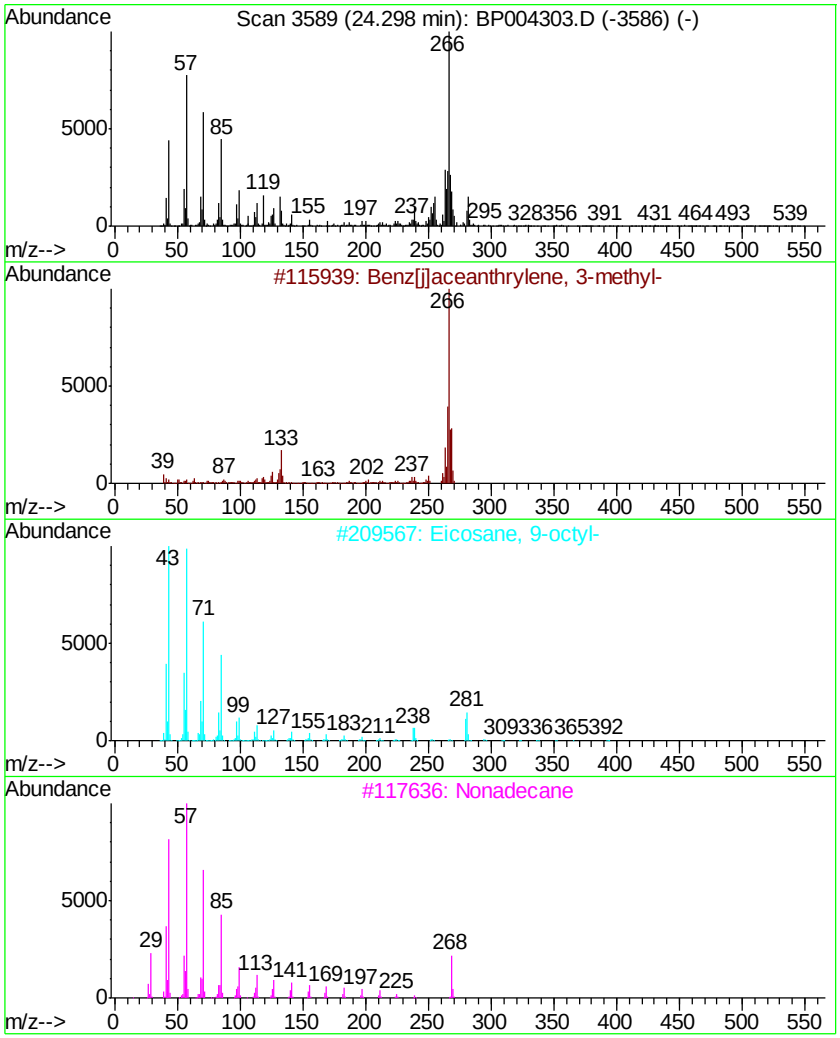
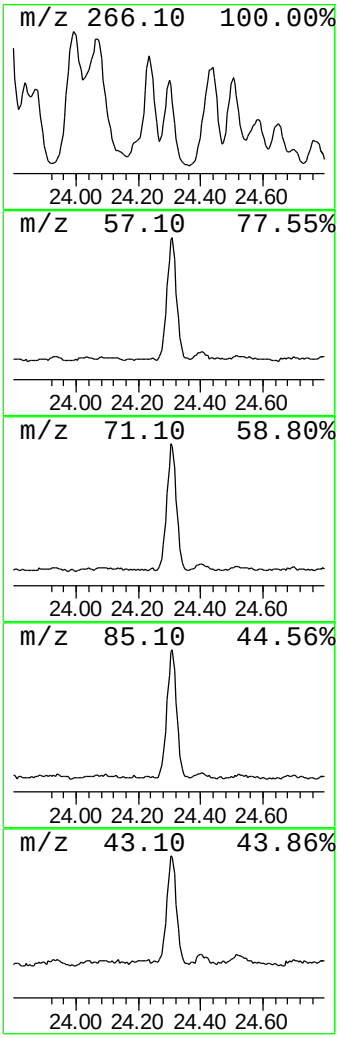
Peak Number 48 Benz[j]aceanthrylene, 3-met... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.30	6.24 ng/ul	3003020	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	83
2	Eicosane, 9-octyl-	394	C28H58	013475-77-9	81
3	Nonadecane	268	C19H40	000629-92-5	42
4	Perylene, 3-methyl-	266	C21H14	024471-47-4	38
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	38





Tentatively Identified Compound (LSC) summary

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Data File : BP004303.D
Acq On : 15 Dec 2020 14:29
Operator : CG/JU
Sample : L5001-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54D1

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
Naphthalene, 2,3-...	13.80	6.7	ng/ul	1050820	3	14.48	3120020	20.0
Dibenzofuran, 4-m...	15.83	13.6	ng/ul	2117790	3	14.48	3120020	20.0
2,4,6-Cycloheptat...	15.98	17.5	ng/ul	2838200	4	17.25	3238200	20.0
9H-Fluorene, 2-me...	16.55	16.6	ng/ul	2688160	4	17.25	3238200	20.0
Phenol, 3-(2-phen...	16.77	10.8	ng/ul	1755230	4	17.25	3238200	20.0
9H-Fluoren-9-one	16.90	16.5	ng/ul	2678290	4	17.25	3238200	20.0
2,4,6-Trimethoxyb...	16.97	15.9	ng/ul	2581220	4	17.25	3238200	20.0
Dibenzothiophene	17.06	20.0	ng/ul	3244890	4	17.25	3238200	20.0
Acridine	17.43	10.4	ng/ul	1686180	4	17.25	3238200	20.0
Phenanthrene, 2-m...	18.12	50.0	ng/ul	8097650	4	17.25	3238200	20.0
Anthracene, 2-met...	18.16	61.1	ng/ul	9895050	4	17.25	3238200	20.0
1H-Cyclopropa[l]p...	18.24	27.8	ng/ul	4494490	4	17.25	3238200	20.0
4H-Cyclopenta[def...	18.30	81.3	ng/ul	13155900	4	17.25	3238200	20.0
Phenanthrene, 1-m...	18.34	25.6	ng/ul	4149770	4	17.25	3238200	20.0
1,2,4,8-Tetrameth...	18.60	35.6	ng/ul	5768460	4	17.25	3238200	20.0
9,10-Anthracenedione	18.64	20.8	ng/ul	3370610	4	17.25	3238200	20.0
Phenanthrene, 4,5...	18.84	14.2	ng/ul	2292720	4	17.25	3238200	20.0
di-p-Tolylacetylene	19.00	30.3	ng/ul	4910840	4	17.25	3238200	20.0
5,16[1',2']:8,13[...	19.07	17.2	ng/ul	2777880	4	17.25	3238200	20.0
Cyclopenta(def)ph...	19.15	26.3	ng/ul	4257440	4	17.25	3238200	20.0
11H-Benzo[a]fluor...	21.12	4.0	ng/ul	8377110	5	21.34	41517300	20.0
7,12-Dihydrobenzo...	22.73	8.7	ng/ul	4164290	6	23.72	9625600	20.0
Benzo[e]pyrene	23.18	12.1	ng/ul	5818810	6	23.72	9625600	20.0
Benzo(a)pyrene 4,...	23.32	8.1	ng/ul	3911840	6	23.72	9625600	20.0
Benz[j]aceanthryl...	24.30	6.2	ng/ul	3003020	6	23.72	9625600	20.0