LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP030220\
Data File : BP002005.D
Acq On : 03 Mar 2020 00:22
Operator : CG/JU
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

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-BP022720MA.M
Title : SVOA CALIBRATION

Signal : TIC: BP002006.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.922	3	6	22	rVB	1678855	2493042	10.62%	0.969%
2	6.816	658	668	688	rBV	1207538	2055091	8.75%	0.799%
3	6.981	689	696	710	rVB	1020581	1580832	6.73%	0.614%
4	7.175	722	729	745	rVB	1363339	2148172	9.15%	0.835%
5	7.640	801	808	817	rBV	1057503	1648628	7.02%	0.641%
6	8.175	890	899	916	rBV	233562	449814	1.92%	0.175%
7	8.345	921	928	942	rVV	1542915	2462739	10.49%	0.957%
8	8.781	995	1002	1015	rBV	1180462	1889182	8.05%	0.734%
9	9.498	1116	1124	1132	rBV	968211	1569760	6.69%	0.610%
10	10.039	1208	1216	1227	rBV	1662651	2821248	12.02%	1.097%
11	10.410	1271	1279	1294	rBV	1427464	2492340	10.62%	0.969%
12	10.545	1294	1302	1327	rVV	884647	1670422	7.12%	0.649%
13	11.910	1527	1534	1544	rBV	152958	298979	1.27%	0.116%
14	13.186	1744	1751	1758	rVV5	46223	123417	0.53%	0.048%
15	13.692	1826	1837	1841	rBV	2735001	3857758	16.43%	1.500%
16	13.733	1841	1844	1850	rVV	252122	361892	1.54%	0.141%
17	13.963	1876	1883	1902	rBV2	3336816	5680257	24.20%	2.208%
18	14.274	1929	1936	1943	rVV2	2162050	3173759	13.52%	1.234%
19	14.339	1943	1947	1954	rVV2	62165	126298	0.54%	0.049%
20	14.474	1964	1970	1978	rBV	976887	1515022	6.45%	0.589%
21	15.274	2099	2106	2112	rBV	4350891	6142433	26.16%	2.388%
22	15.392	2121	2126	2135	rVV	918192	1245566	5.31%	0.484%
23	15.998	2224	2229	2237	rBV	164853	275996	1.18%	0.107%
24	16.610	2328	2333	2337	rVB	106911	147052	0.63%	0.057%
25	16.680	2340	2345	2355	rVB	133184	239671	1.02%	0.093%
26	16.945	2385	2390	2398	rBV	170095	253917	1.08%	0.099%
27	17.027	2398	2404	2408	rBV	2615188	3755831	16.00%	1.460%
28	17.068	2408	2411	2415	rVV	489381	652949	2.78%	0.254%
29	17.127	2415	2421	2424	rVV	4465277	6596165	28.10%	2.564%
30	17.163	2424	2427	2432	rVV	2441676	3297541	14.05%	1.282%
31	17.221	2432	2437	2447	rVB	154622	286194	1.22%	0.111%
32	17.433	2463	2473	2486	rBV	898318	1968774	8.39%	0.765%
33	17.951	2556	2561	2569	rBV	1057133	1668846	7.11%	0.649%
34	18.027	2569	2574	2579	rVB	265259	425235	1.81%	0.165%

LSC Area Percent Report

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Misc :
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Instrument : BNA_P
ClientSampleId : DBDQ8

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Title : SVOA CALIBRATION

35	18.092	2579	2585	2590	rBV4	396046	748541	3.19%	0.291%
36	18.192	2599	2602	2607	rBV4	87049	158961	0.68%	0.062%
37	18.239	2607	2610	2613	rVV2	139919	220630	0.94%	0.086%
38	18.280	2613	2617	2622	rVB	319170	470671	2.00%	0.183%
39	18.368	2628	2632	2637	rBV4	392922	593155	2.53%	0.231%
40	18.421	2637	2641	2647	rVB	910800	1180864	5.03%	0.459%
41	18.715	2688	2691	2695	rVB2	108896	135177	0.58%	0.053%
42	18.798	2700	2705	2710	rBV3	253547	431664	1.84%	0.168%
43	18.857	2712	2715	2722	rVV6	131586	239767	1.02%	0.093%
44	18.927	2722	2727	2735	rVB	843250	1205219	5.13%	0.468%
45	19.051	2742	2748	2754	rVB	6378151	8596229	36.62%	3.341%
46	19.139	2761	2763	2767	rVB	232305	278552	1.19%	0.108%
47	19.192	2768	2772	2776	rBV2	640193	873542	3.72%	0.340%
48	19.262	2781	2784	2791	rVB2	268078	518949	2.21%	0.202%
49	19.374	2797	2803	2805	rBV	6144812	8970181	38.21%	3.487%
50	19.404	2805	2808	2816	rVV	8190577	10877482	46.33%	4.228%
51	19.474	2817	2820	2827	rVB4	238655	390006	1.66%	0.152%
52	19.580	2834	2838	2841	rBV	368586	534140	2.28%	0.208%
53	19.633	2843	2847	2853	rVB	1974512	2732785	11.64%	1.062%
54	19.721	2857	2862	2867	rBV3	731672	1540874	6.56%	0.599%
55	19.768	2867	2870	2874	rVB2	321861	414718	1.77%	0.161%
56	19.857	2880	2885	2887	rBV2	870034	1568998	6.68%	0.610%
57	19.933	2894	2898	2902	rBV	593869	724866	3.09%	0.282%
58	19.980	2902	2906	2910	rBV2	726303	966351	4.12%	0.376%
59	20.039	2910	2916	2920	rVV3	1104068	1966847	8.38%	0.765%
60	20.074	2920	2922	2926	rVB2	389512	463577	1.97%	0.180%
61	20.174	2935	2939	2943	rBV	732585	1010730	4.31%	0.393%
62	20.221	2943	2947	2951	rVV2	488438	806831	3.44%	0.314%
63	20.286	2956	2958	2962	rVB	327539	343473	1.46%	0.134%
64	20.427	2979	2982	2986	rBV5	298072	520746	2.22%	0.202%
65	20.533	2998	3000	3003	rVB	302861	267720	1.14%	0.104%
66	20.615	3010	3014	3020	rVB2	1174154	1754282	7.47%	0.682%
67	20.774	3036	3041	3045	rBV3	1179691	2055465	8.76%	0.799%
68	20.815	3045	3048	3051	rVV2	1384208	1748558	7.45%	0.680%
69	20.856	3051	3055	3060	rVV2	2363630	4511261	19.22%	1.754%
70	20.904	3060	3063	3071	rVB3	880316	1326164	5.65%	0.516%
71	21.062	3087	3090	3091	rBV2	412040	457157	1.95%	0.178%

LSC Area Percent Report

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Sample : L1616-14
Misc :
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Instrument : BNA_P
ClientSampleId : DBDQ8

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Title : SVOA CALIBRATION

72	21.115	3094	3099	3104	rVV3	5697404	13346409	56.85%	5.188%
73	21.162	3104	3107	3113	rVB	6136014	8359060	35.61%	3.249%
74	21.245	3118	3121	3123	rBV2	400332	450133	1.92%	0.175%
75	21.280	3123	3127	3135	rBV3	857534	1864041	7.94%	0.725%
76	21.427	3148	3152	3157	rBV2	1029766	1520519	6.48%	0.591%
77	21.480	3158	3161	3168	rVB2	496365	746606	3.18%	0.290%
78	21.668	3187	3193	3197	rVB	869366	1551152	6.61%	0.603%
79	21.721	3198	3202	3209	rBV5	1336322	2393559	10.20%	0.930%
80	21.862	3221	3226	3229	rBV2	988477	1481991	6.31%	0.576%
81	22.133	3268	3272	3276	rBV	608492	896734	3.82%	0.349%
82	22.315	3300	3303	3308	rVB2	1190153	1604523	6.83%	0.624%
83	22.427	3315	3322	3333	rVB3	920140	2878068	12.26%	1.119%
84	22.533	3335	3340	3346	rBV2	985399	1809690	7.71%	0.703%
85	22.680	3358	3365	3371	rBV2	8832689	23476117	100.00%	9.126%
86	22.845	3388	3393	3402	rVB	1325882	2172555	9.25%	0.845%
87	22.974	3410	3415	3426	rBV3	713830	1934143	8.24%	0.752%
88	23.150	3439	3445	3449	rBV	4671966	8990575	38.30%	3.495%
89	23.198	3449	3453	3457	rVV	3239131	6128979	26.11%	2.382%
90	23.245	3457	3461	3468	rVB	3893403	7150544	30.46%	2.780%
91	23.333	3470	3476	3481	rVV	1869025	4002283	17.05%	1.556%
92	23.386	3481	3485	3493	rVB2	1450052	3076056	13.10%	1.196%
93	23.992	3584	3588	3595	rVB5	399918	769453	3.28%	0.299%
94	24.892	3736	3741	3746	rBV2	381422	750816	3.20%	0.292%
95	25.327	3810	3815	3824	rVB2	1086403	2715764	11.57%	1.056%
96	25.574	3846	3857	3869	rVB2	3877683	14635723	62.34%	5.689%
97	25.874	3902	3908	3925	rVB2	1482981	4393745	18.72%	1.708%
98	26.244	3962	3971	3988	rVB	2000458	6339551	27.00%	2.464%
99	26.397	3990	3997	4013	rVB10	534873	1886937	8.04%	0.733%
100	27.139	4116	4123	4142	rVB3	725752	2951833	12.57%	1.147%

Sum of corrected areas: 257257514

LSC Report - Integrated Chromatogram

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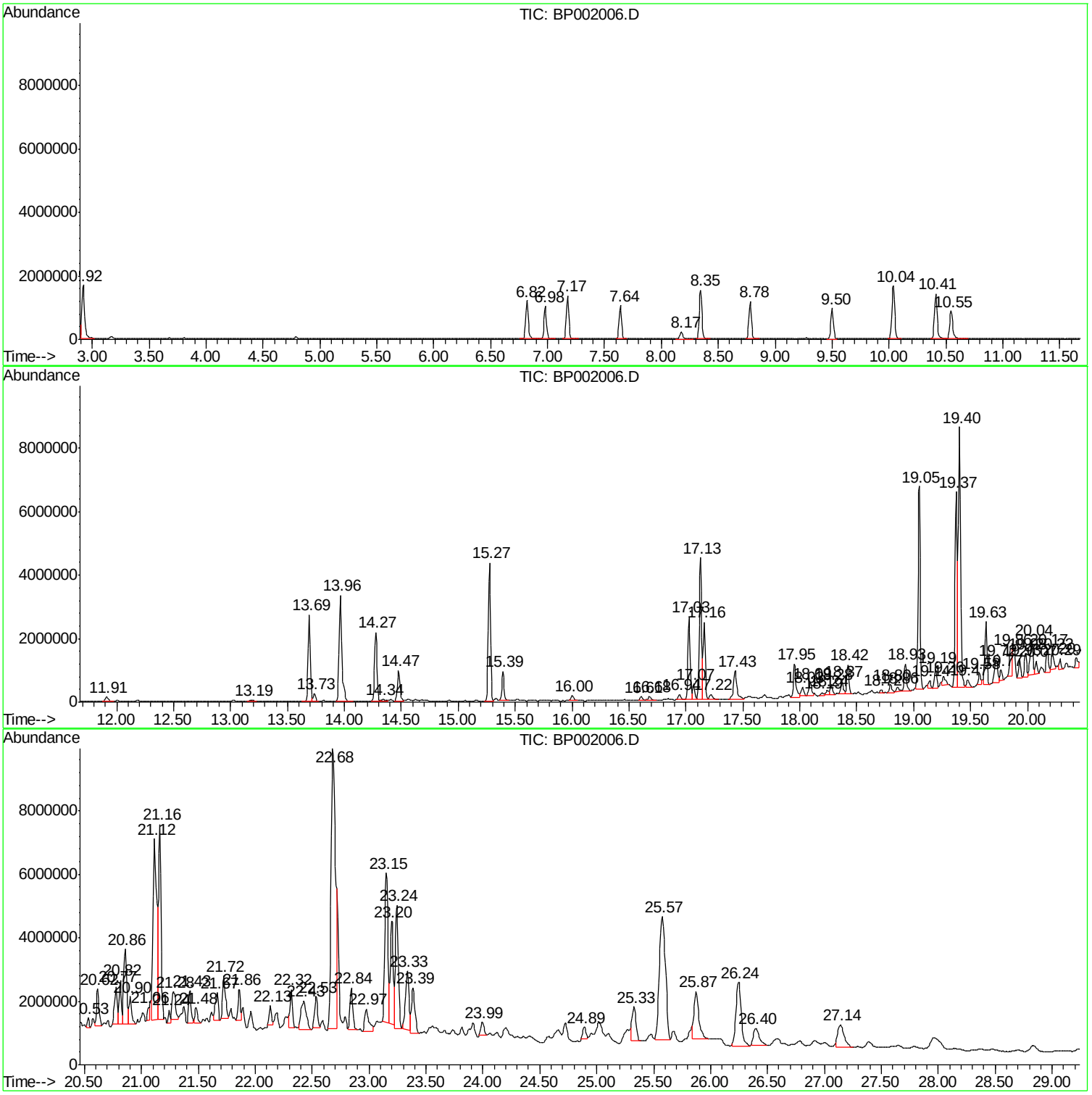
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.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\BP030220\
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ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

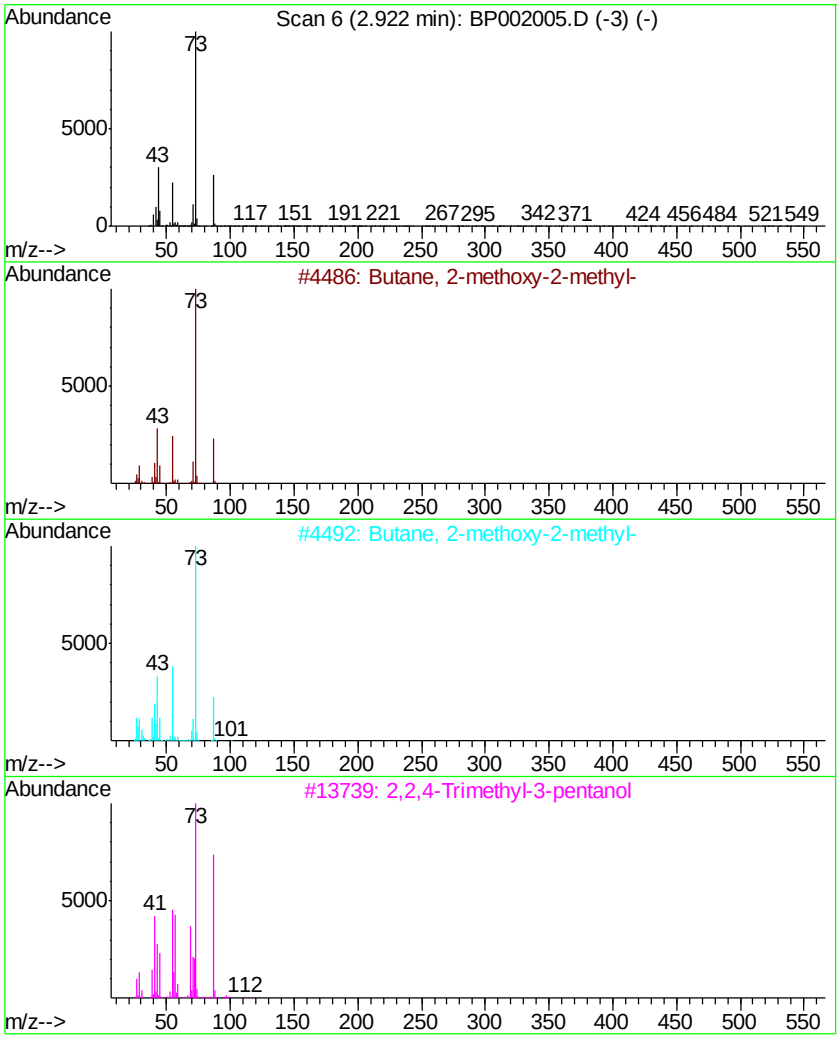
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

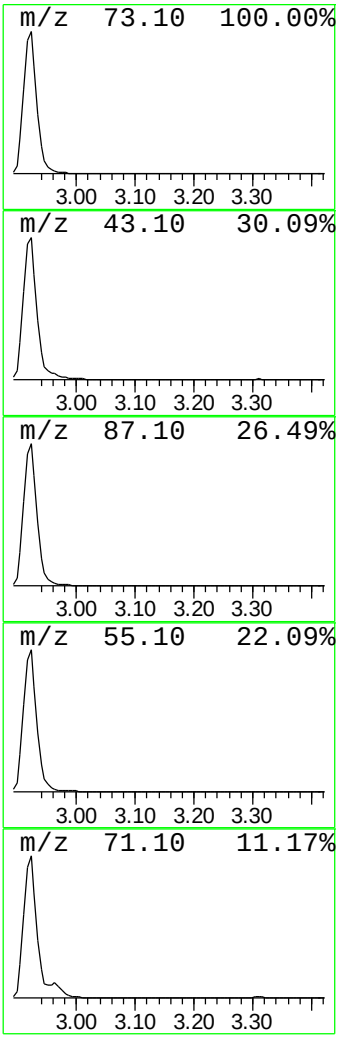
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	30.24 ng/ul	2493040	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

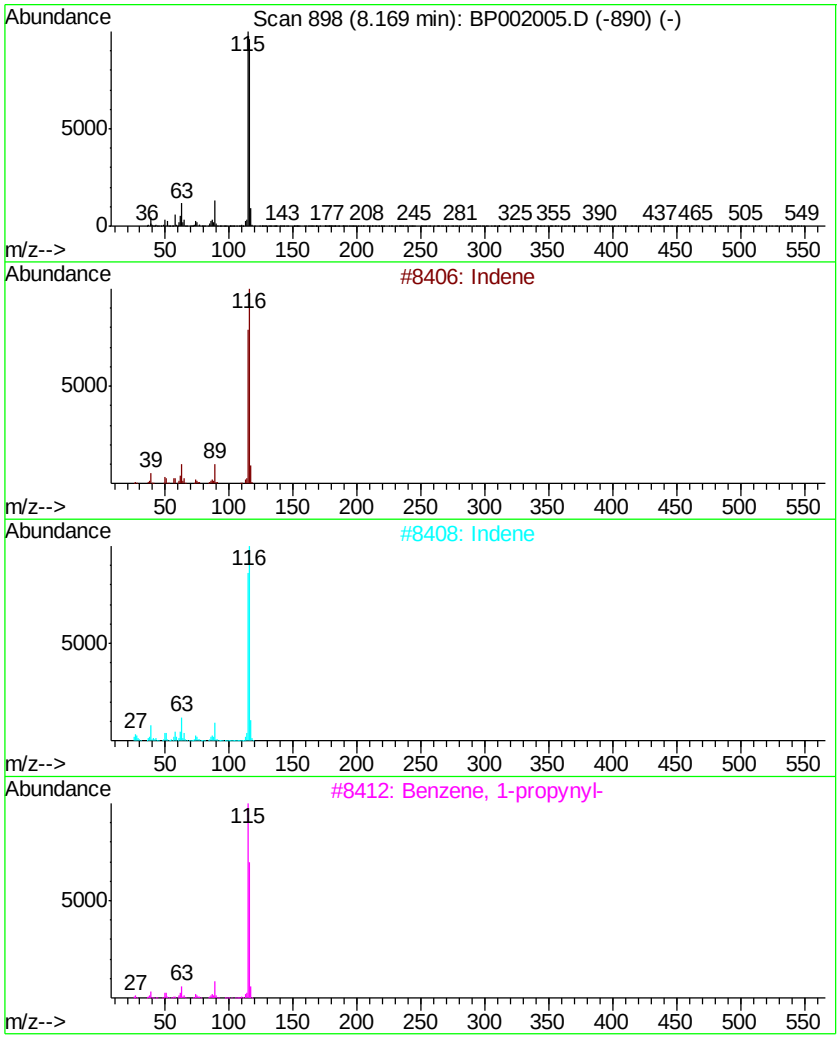
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

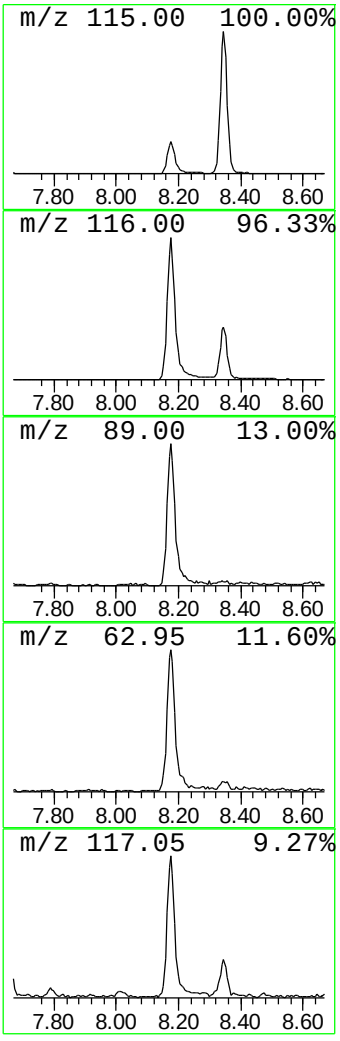
****

Peak Number 2 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	5.46 ng/ul	449814	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Library Search Compound Report

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Instrument : BNA_P
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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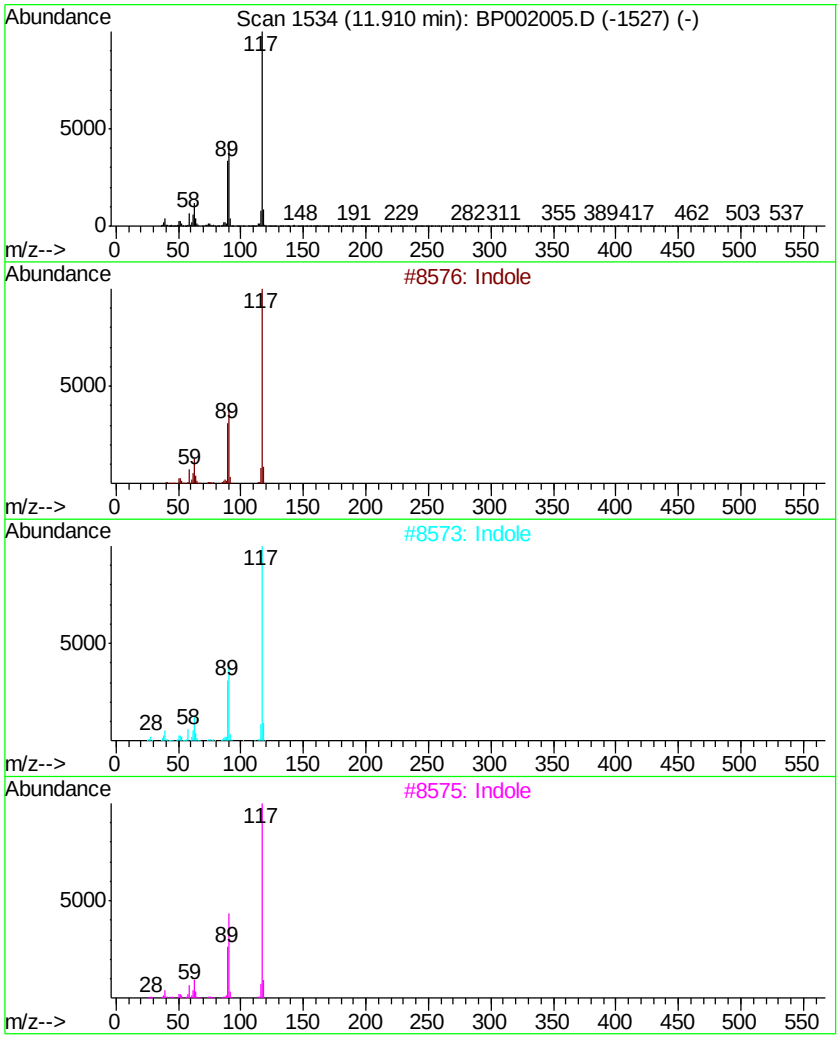
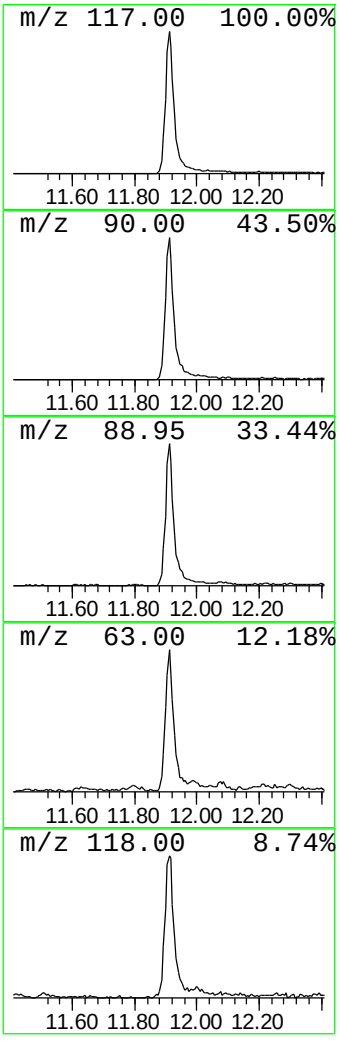
Peak Number 3 Indole Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.40 ng/ul	298979	Naphthalene-d8	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	97
2	Indole	117	C8H7N	000120-72-9	97
3	Indole	117	C8H7N	000120-72-9	94
4	Indolizine	117	C8H7N	000274-40-8	91
5	Indole	117	C8H7N	000120-72-9	91





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Operator : CG/JU
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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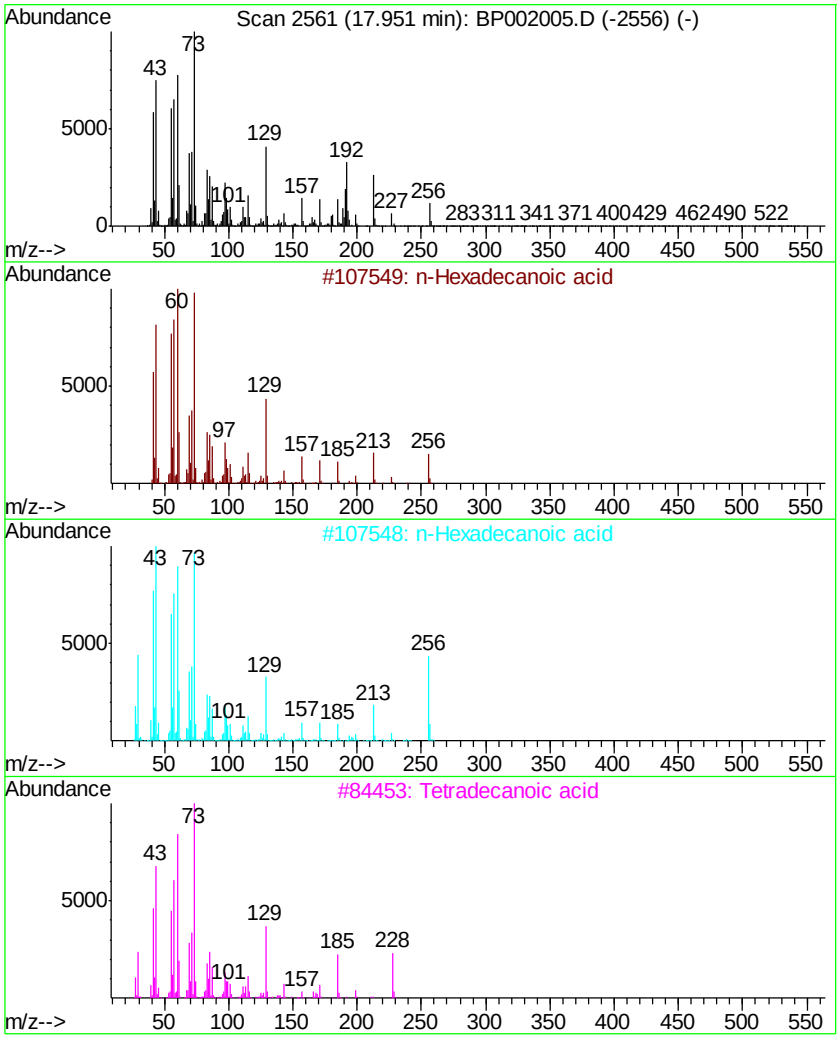
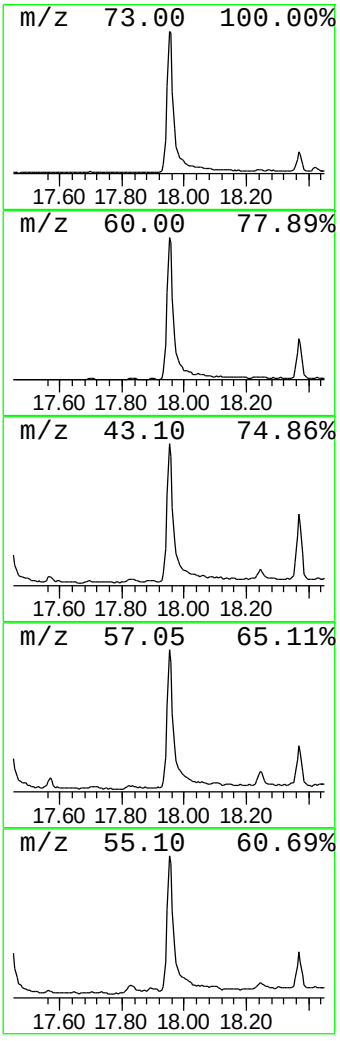
Peak Number 4 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	8.89 ng/ul	1668850	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Data File : BP002005.D
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Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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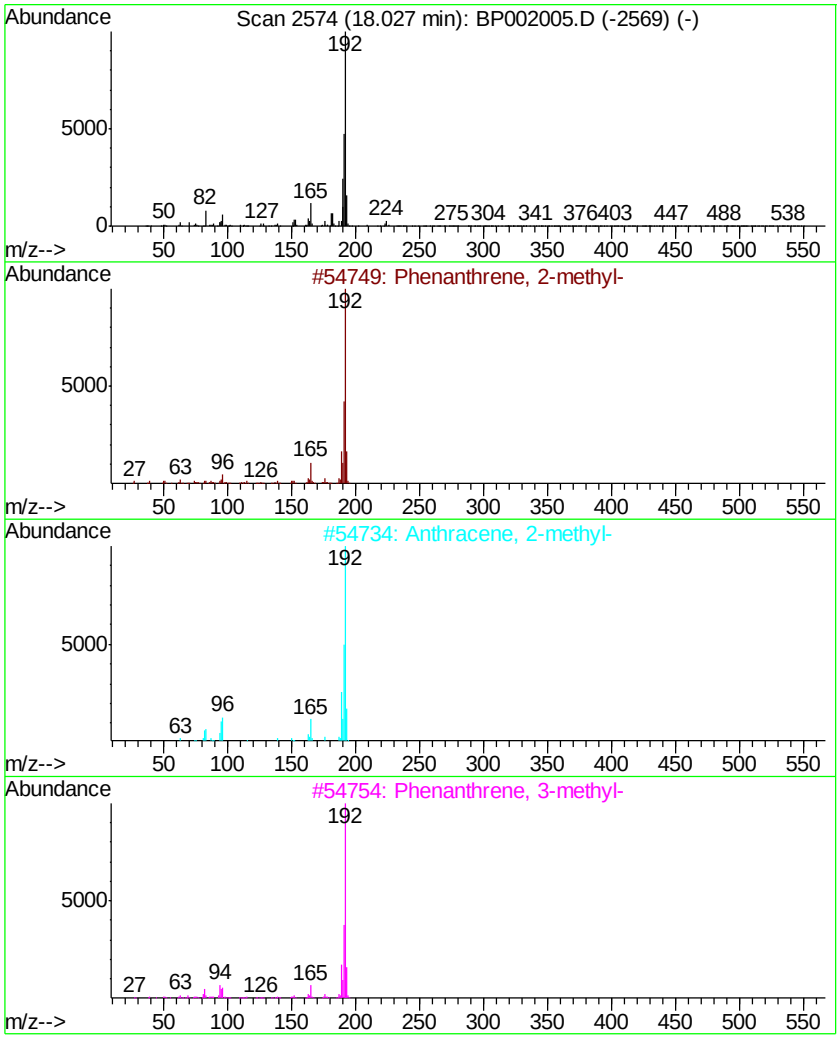
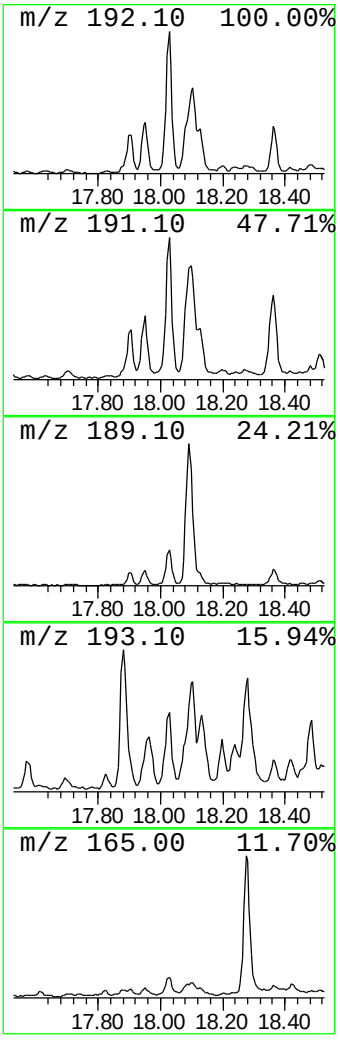
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	2.26 ng/ul	425235	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 03 Mar 2020 00:22
Operator : CG/JU
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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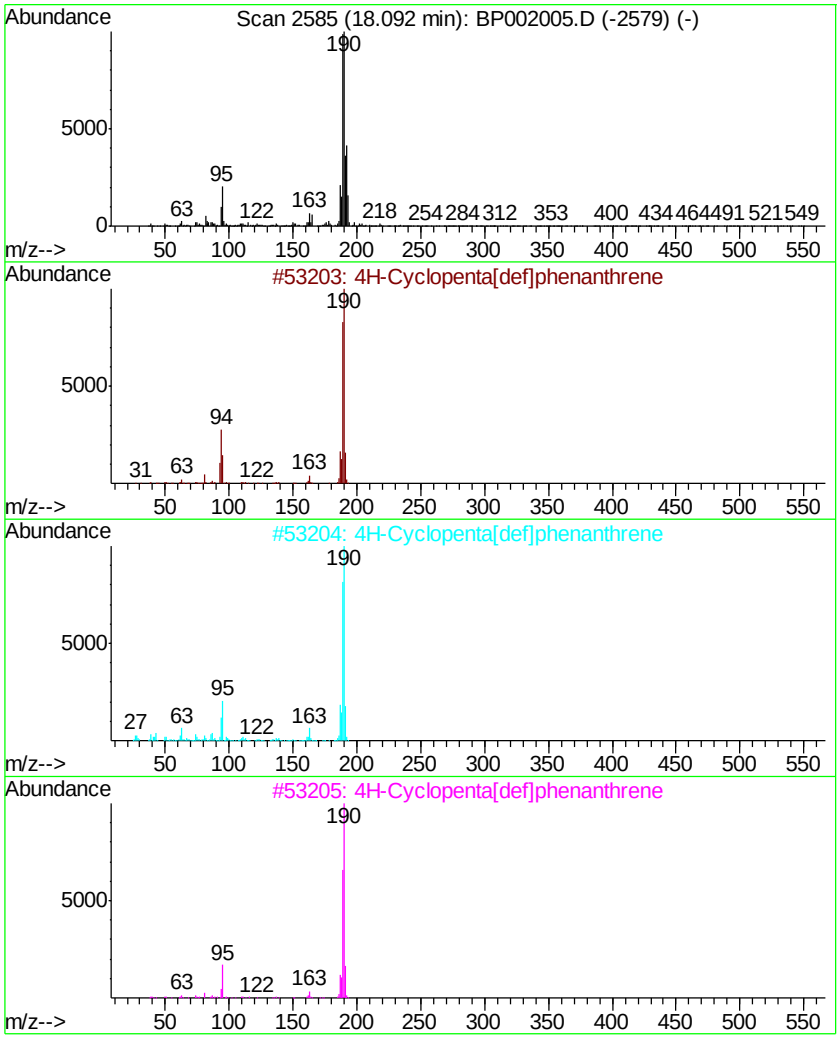
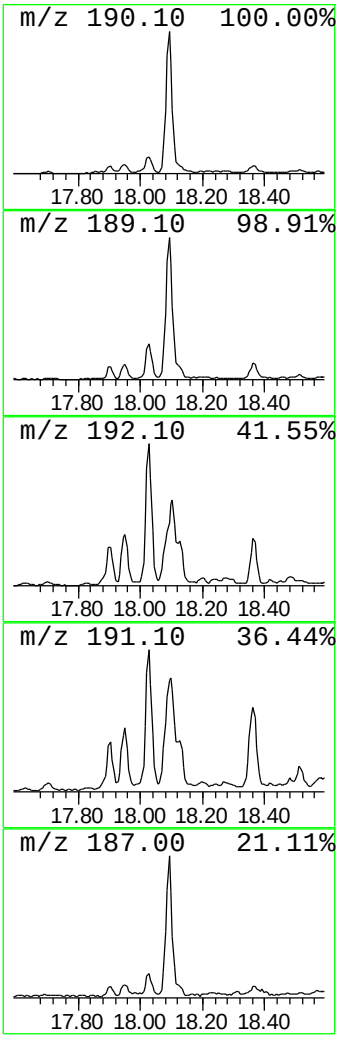
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.99 ng/ul	748541	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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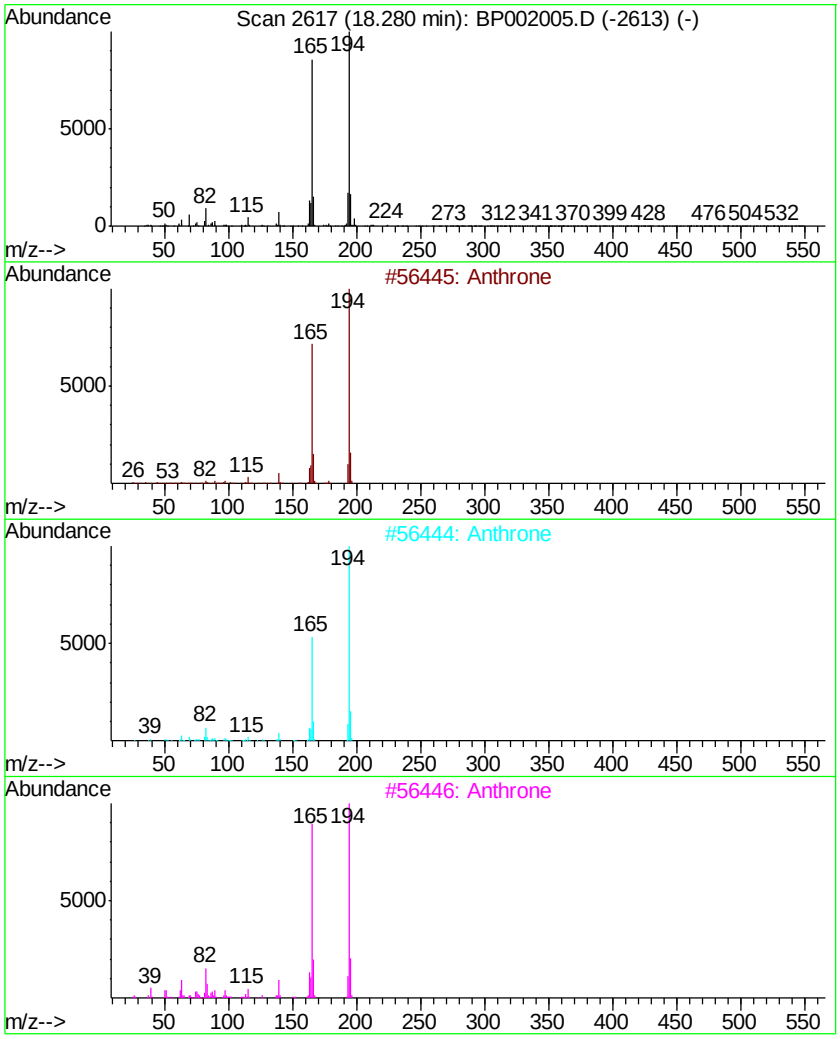
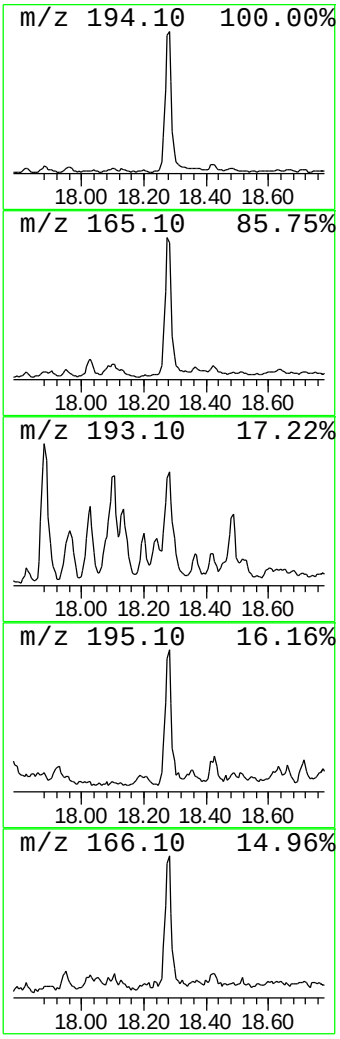
Peak Number 7 Anthrone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.51 ng/ul	470671	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	94
2	Anthrone	194	C14H10O	000090-44-8	91
3	Anthrone	194	C14H10O	000090-44-8	91
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	91
5	3-Phenanthrol	194	C14H10O	000605-87-8	90





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Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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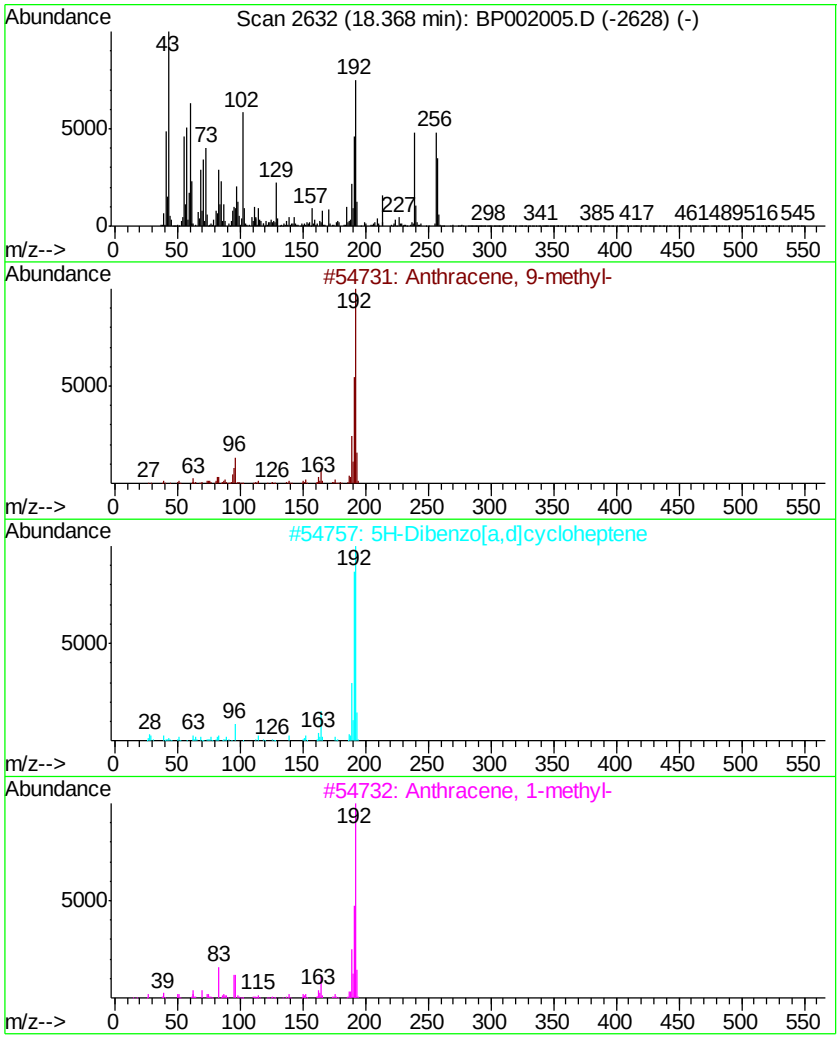
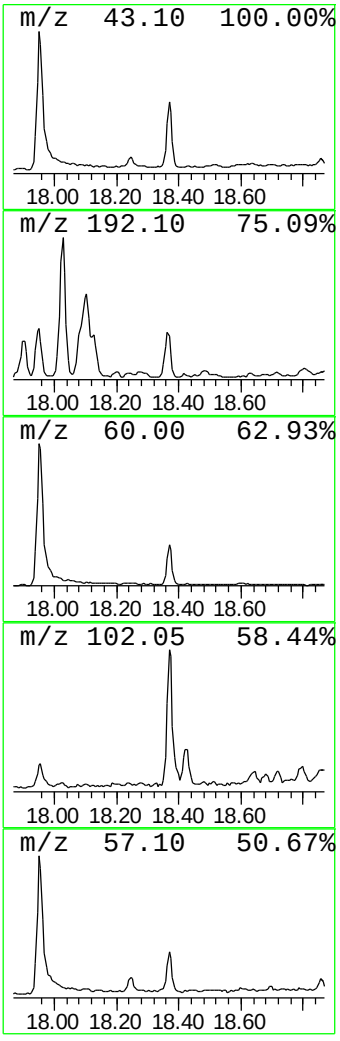
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.16 ng/ul	593155	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	70
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	51
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	47
5	i-Propyl 14-methyl-pentadecanoate	298	C19H38O2	1000336-62-4	46





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Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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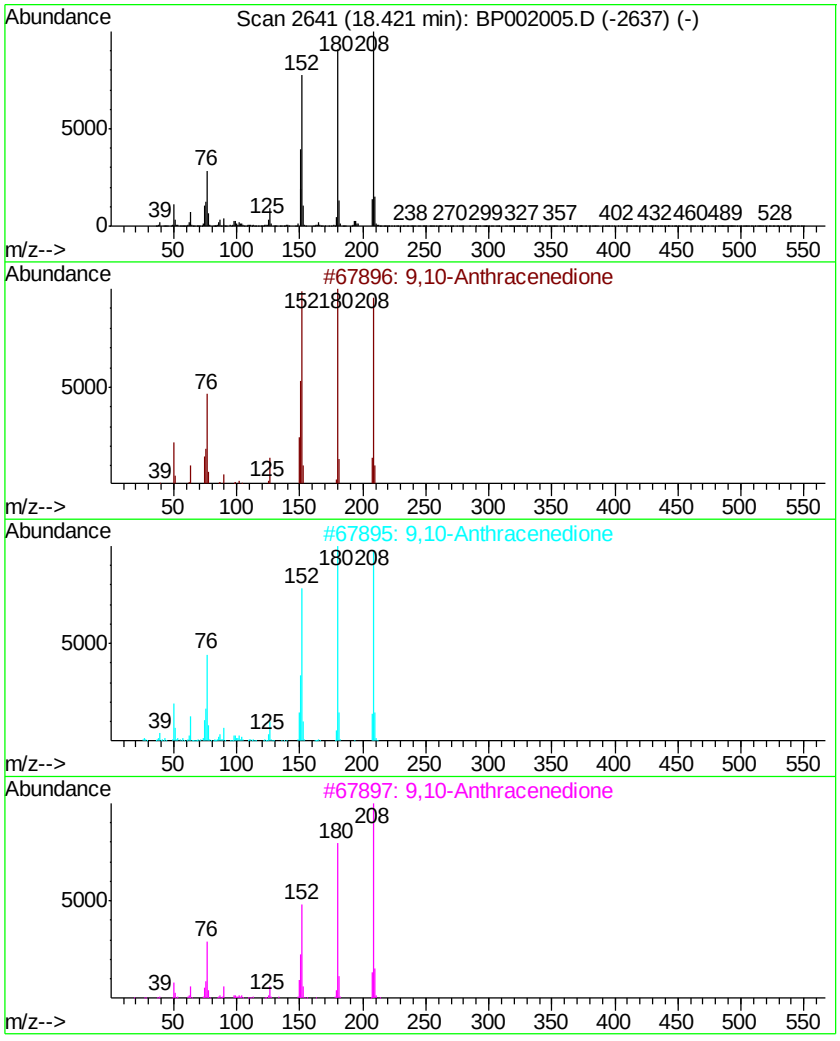
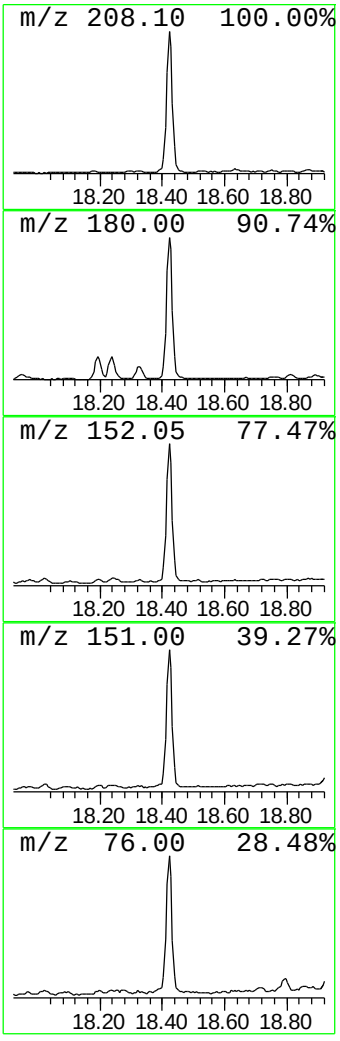
Peak Number 9 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	6.29 ng/ul	1180860	Phenanthrene-d10	17.03

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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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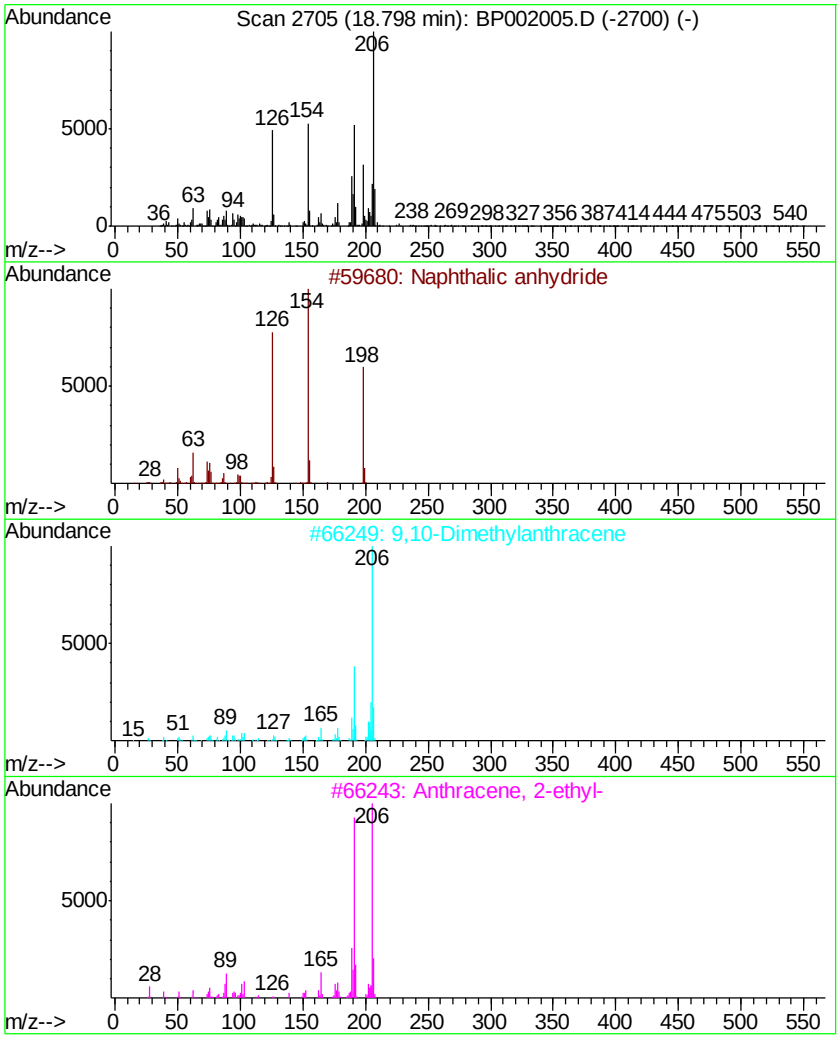
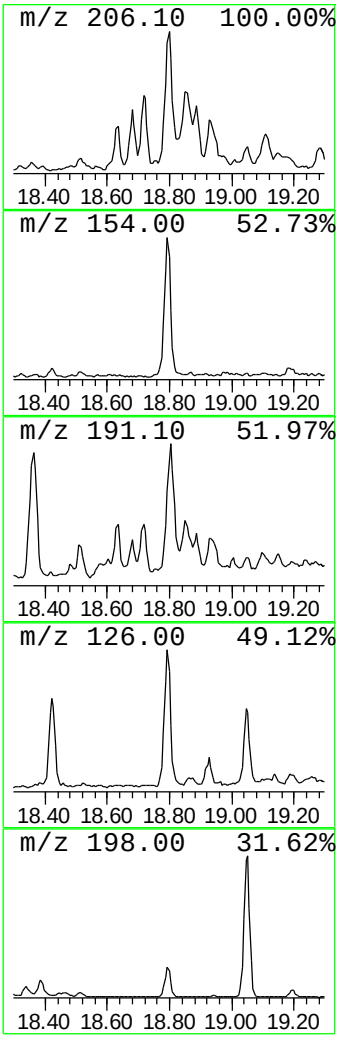
Peak Number 10 Naphthalic anhydride Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.30 ng/ul	431664	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	70
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	62
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60





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Sample : L1616-14
Misc :
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Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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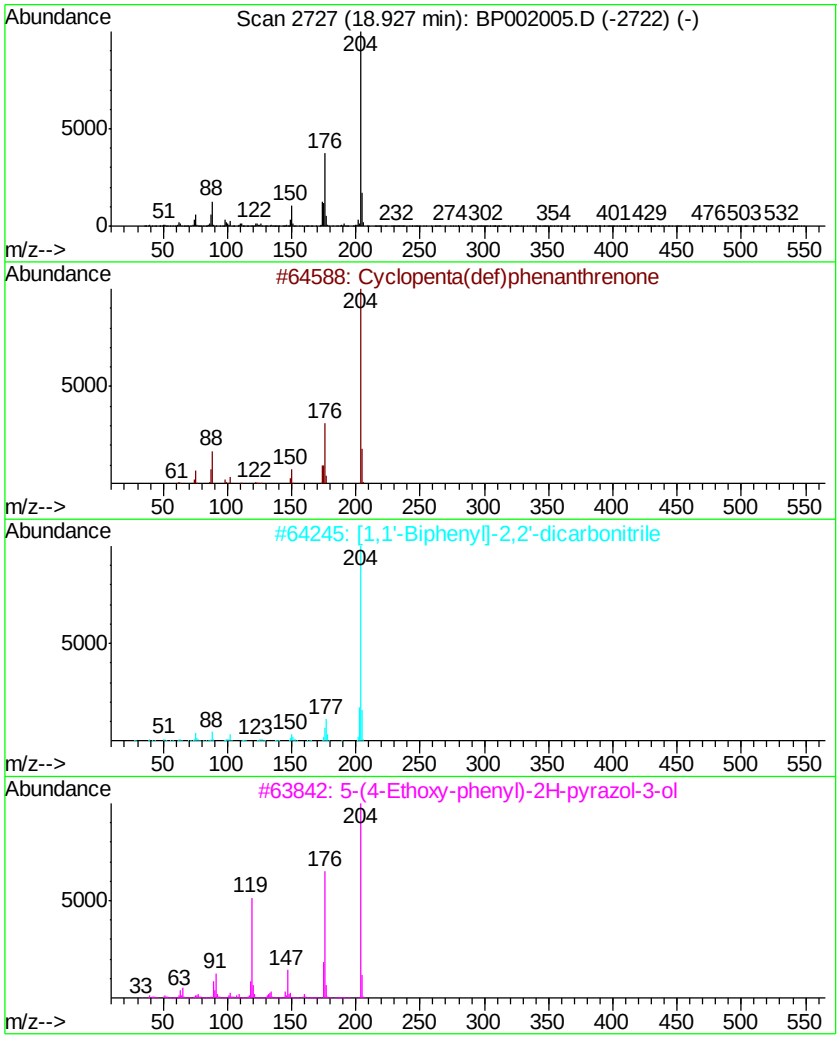
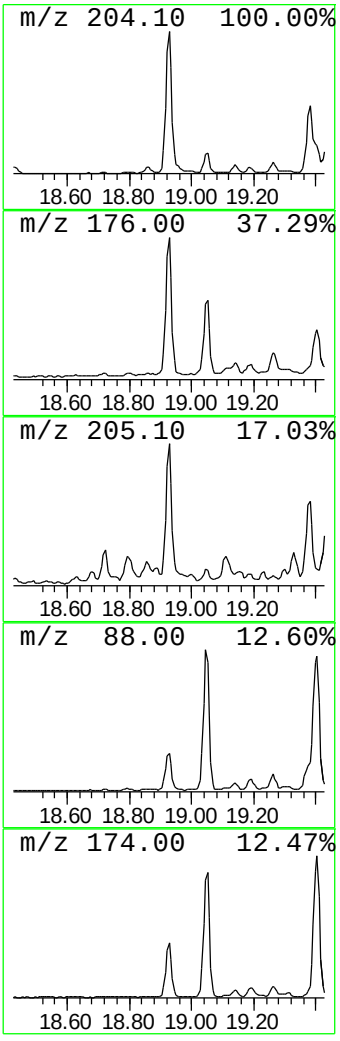
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	6.42 ng/ul	1205220	Phenanthrene-d10	17.03

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	64
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	53





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Misc :
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Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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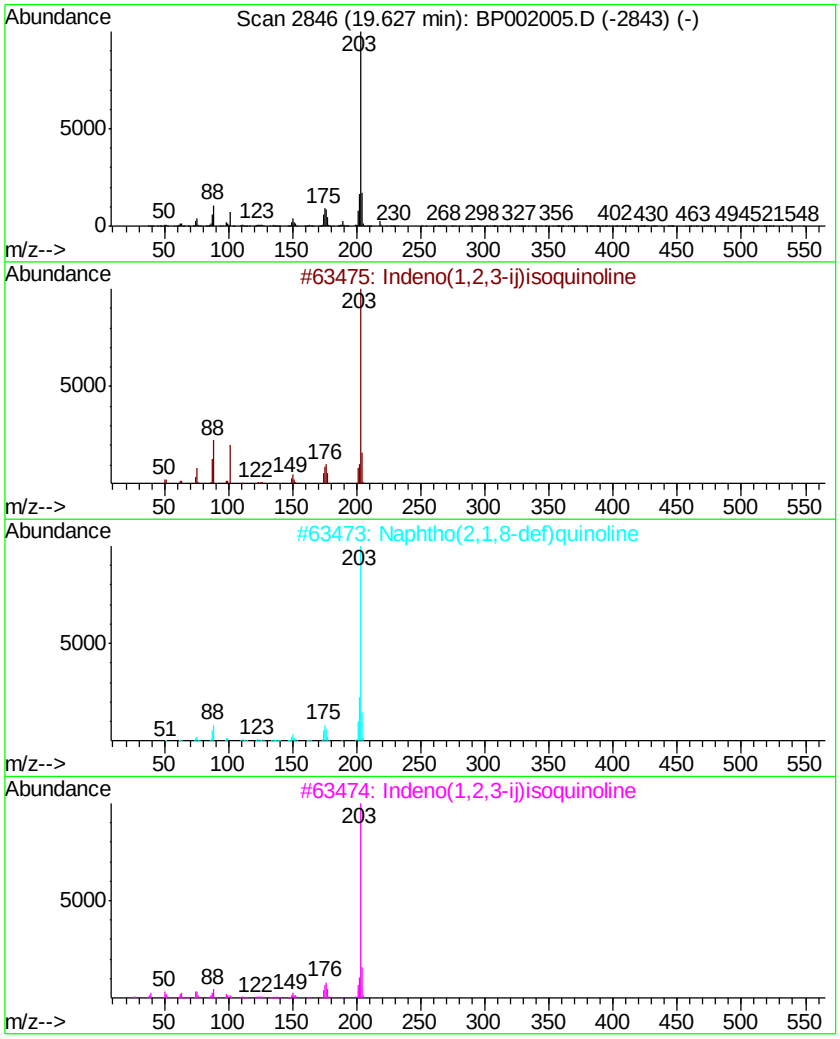
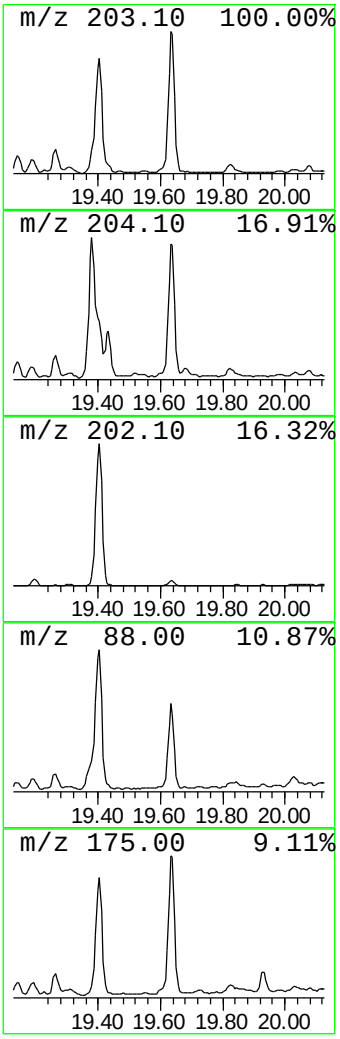
Peak Number 12 Indeno(1,2,3-ij)isoquinoline Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	4.10 ng/ul	2732790	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	97
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	97
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	97
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	97
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	97





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Quant Title : SVOA CALIBRATION

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

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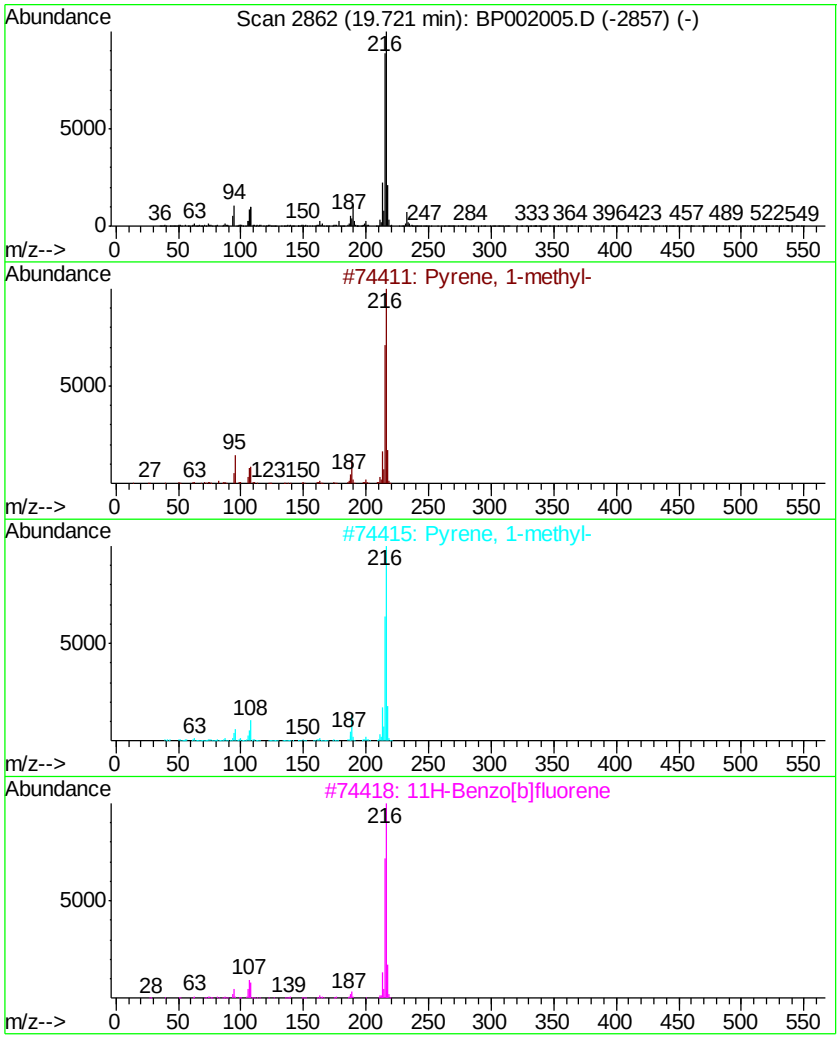
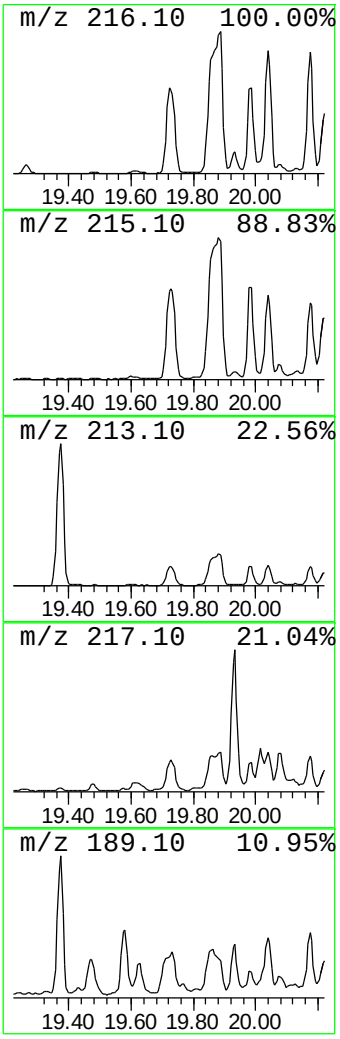
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.31 ng/ul	1540870	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
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Quant Title : SVOA CALIBRATION

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

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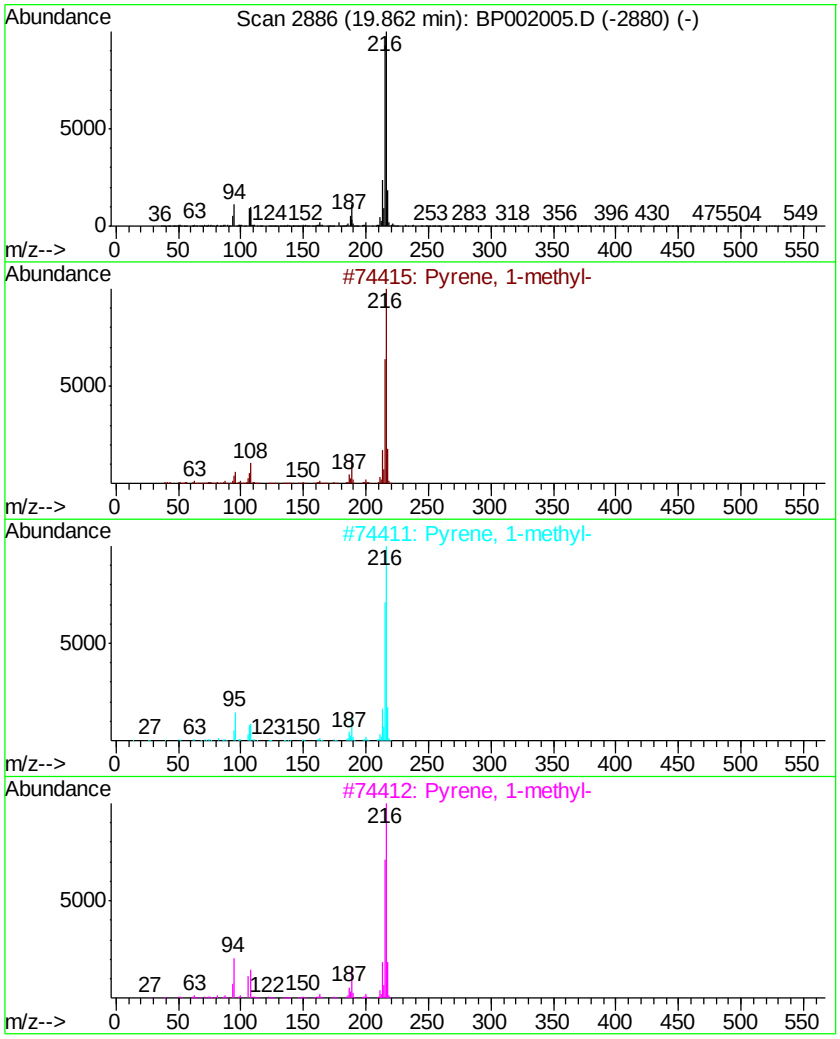
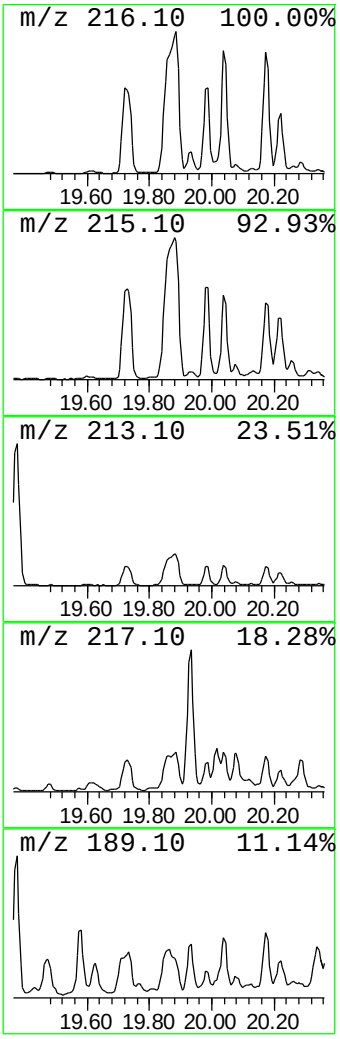
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	2.35 ng/ul	1569000	Chrysene-d12	21.13

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





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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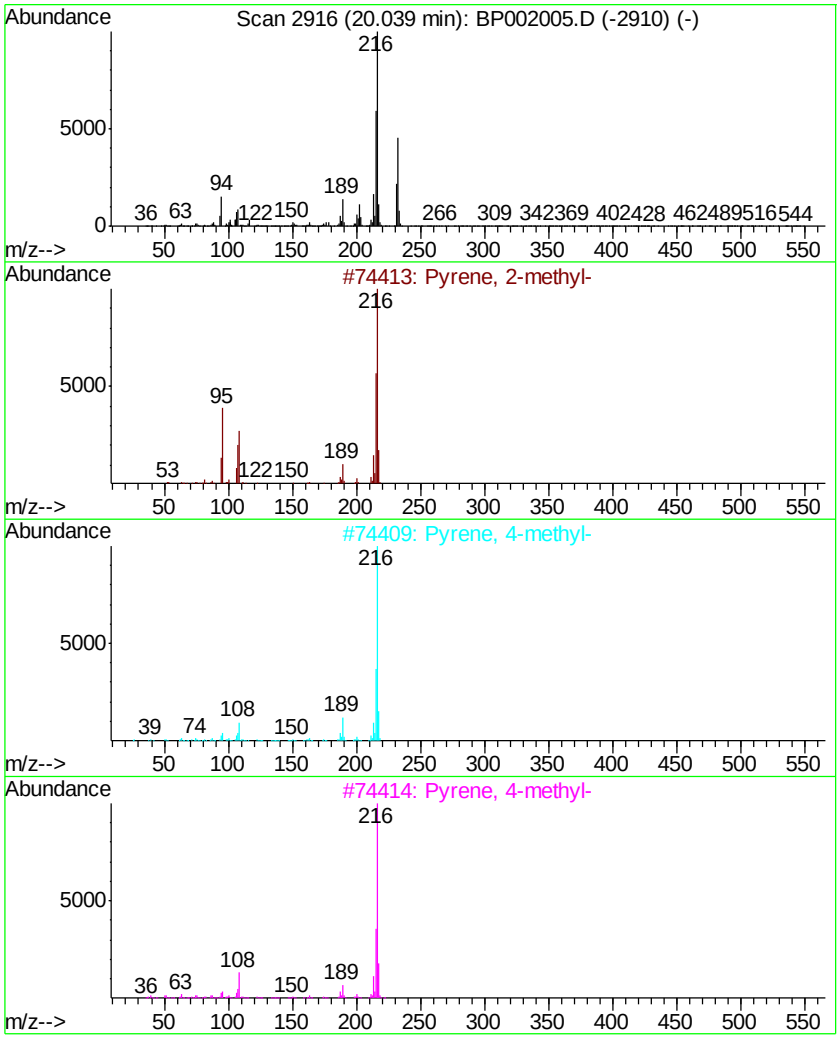
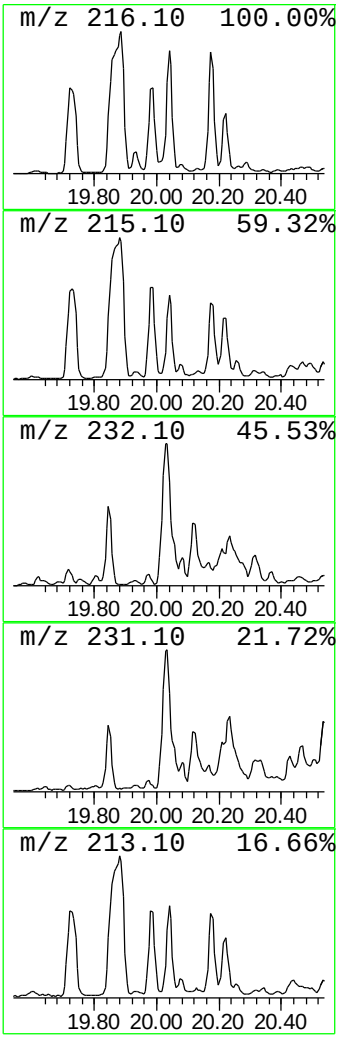
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.95 ng/ul	1966850	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.63 ng/ul	1754280	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
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	76
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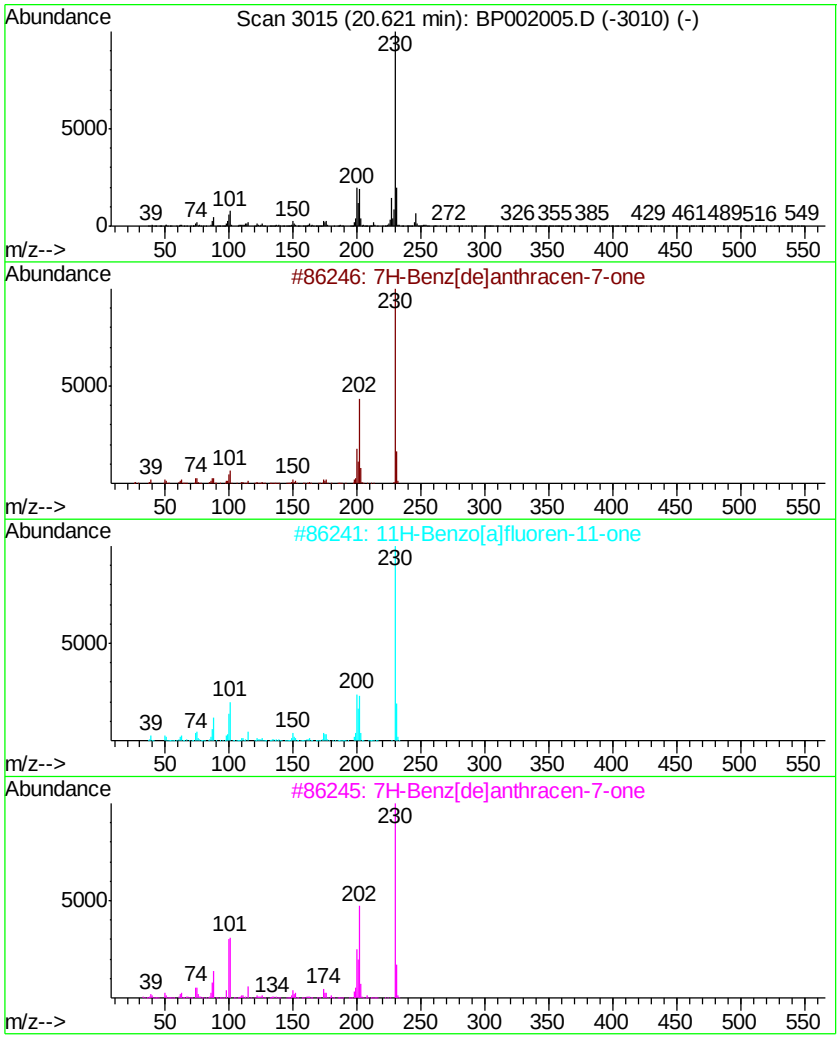

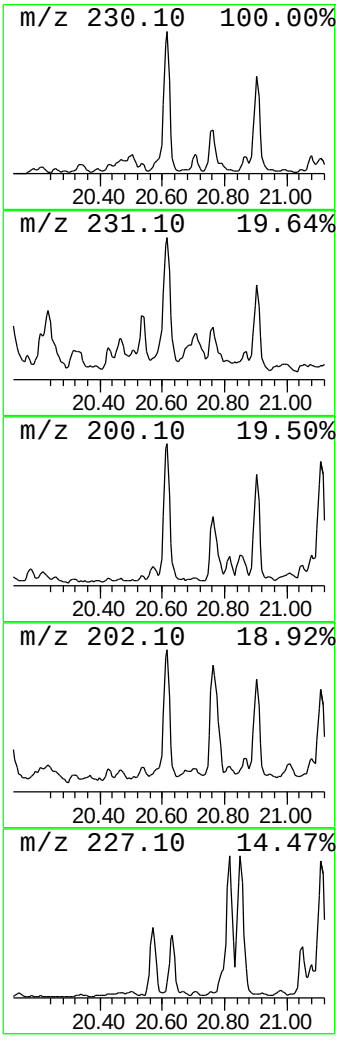

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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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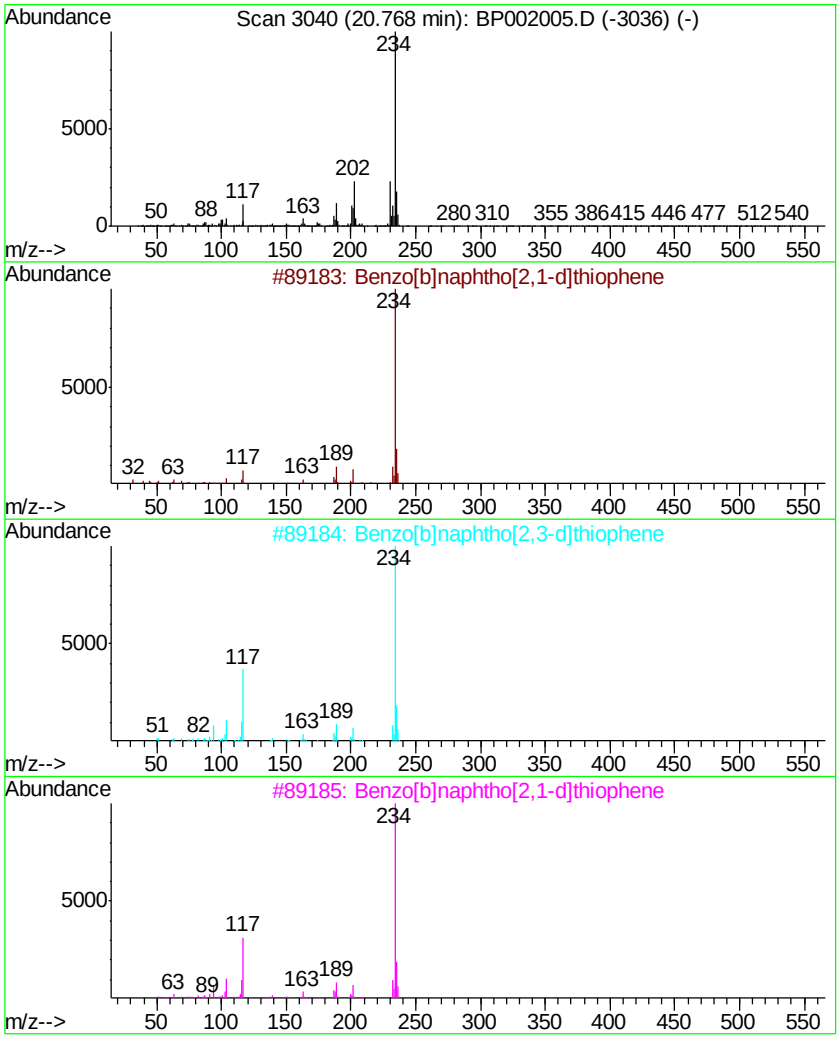
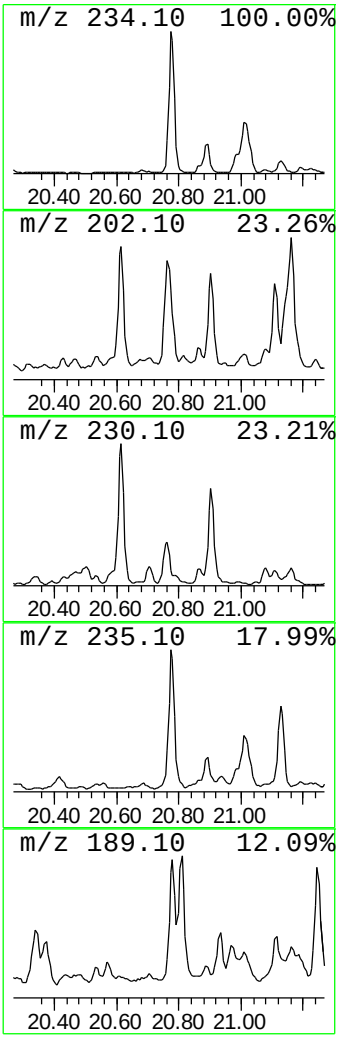
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.08 ng/ul	2055470	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

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Quant Title : SVOA CALIBRATION

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

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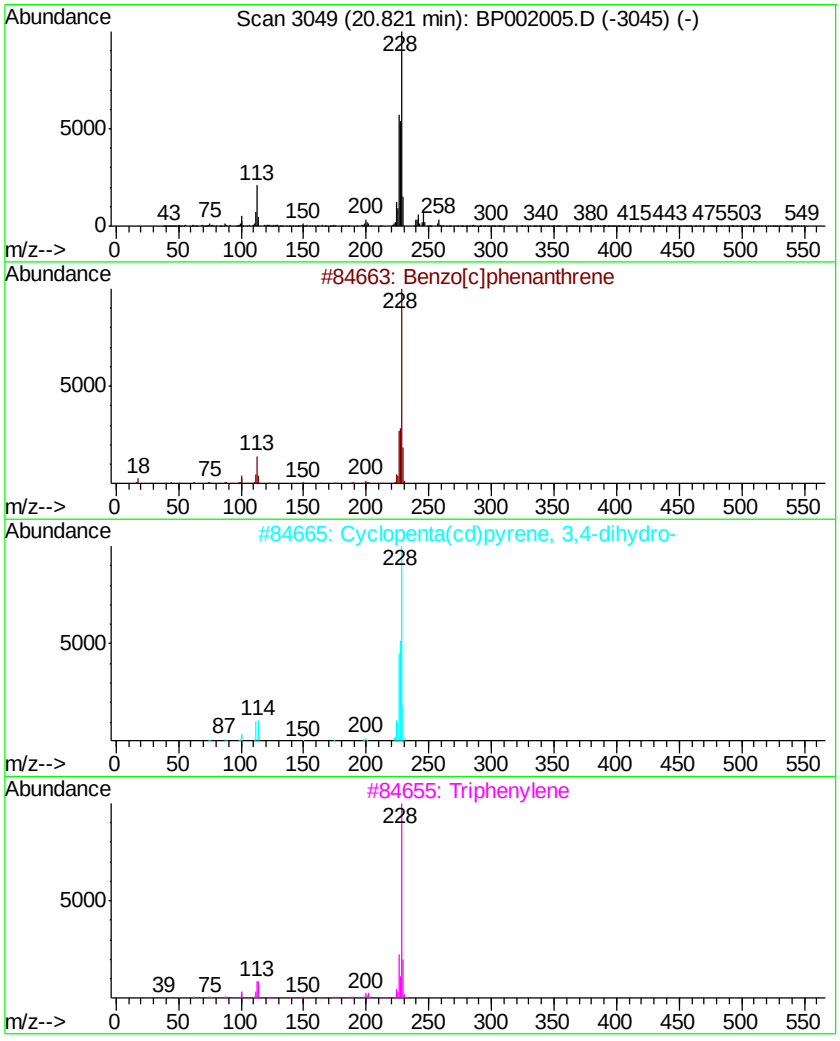
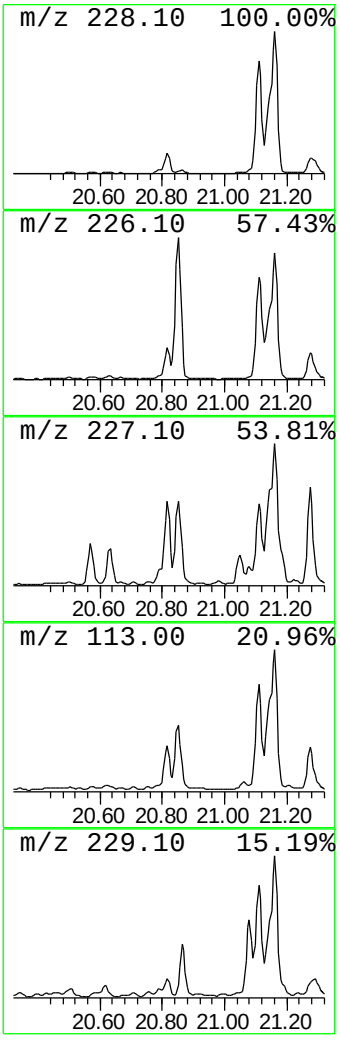
Peak Number 18 Benzo[c]phenanthrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.62 ng/ul	1748560	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Triphenylene	228	C18H12	000217-59-4	46
4	Triphenylene	228	C18H12	000217-59-4	43
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	40





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Quant Title : SVOA CALIBRATION

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

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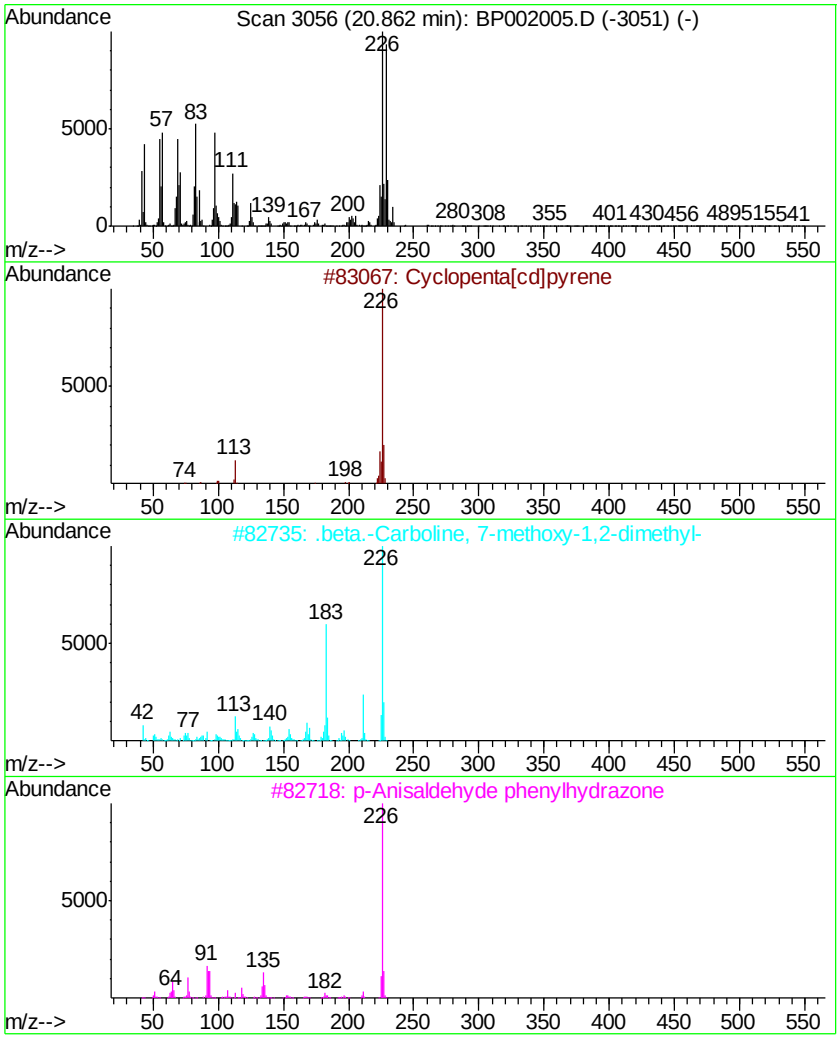
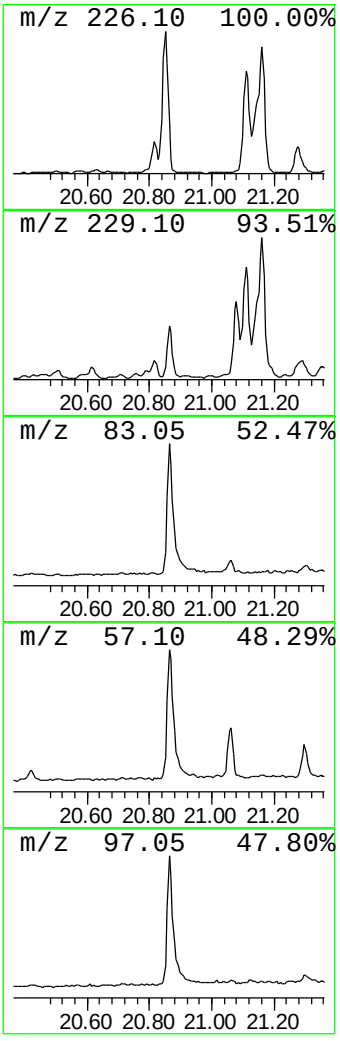
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	6.76 ng/ul	4511260	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	49
4	Ethylamine, N,N-diheptyl-2-phenyl...	349	C22H39NS	1000310-32-6	43
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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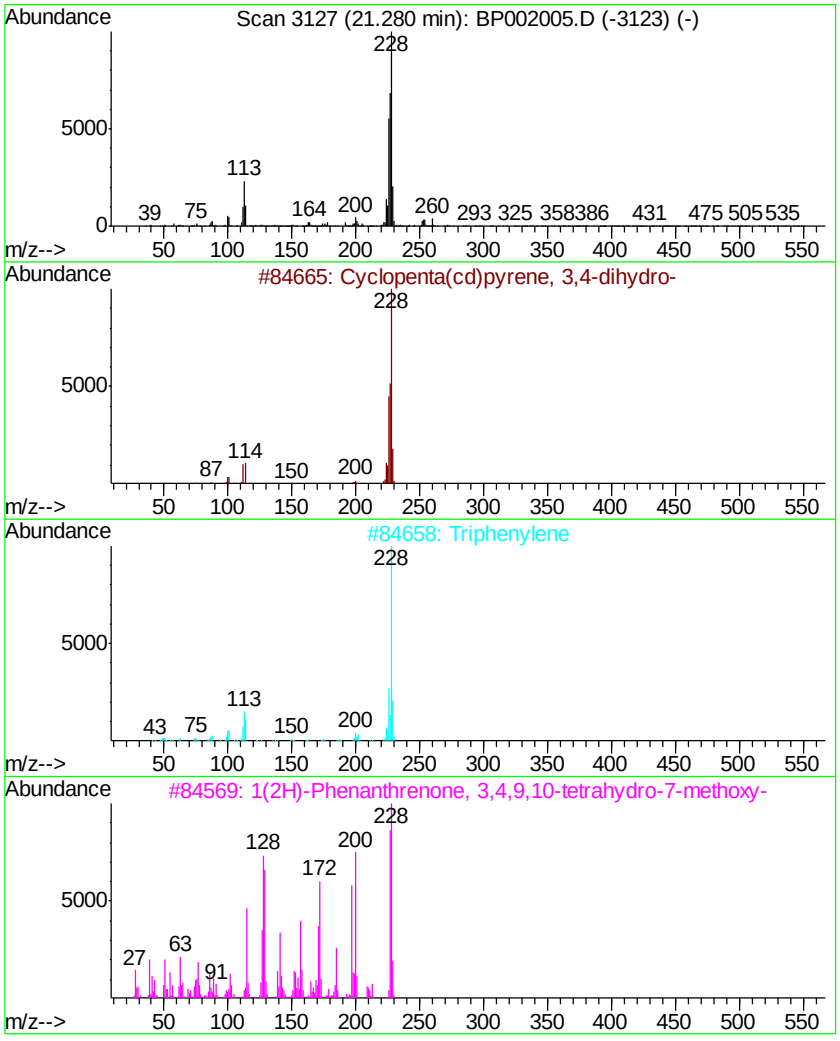
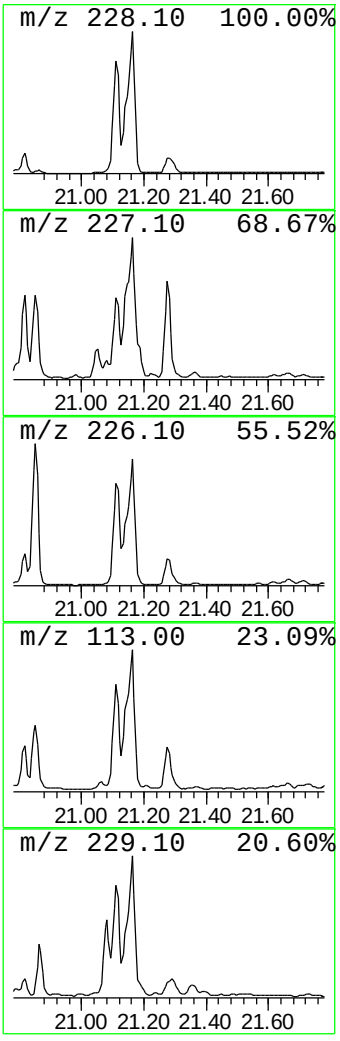
Peak Number 20 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	2.79 ng/ul	1864040	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	96
2	Triphenylene	228	C18H12	000217-59-4	91
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	83
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	83
5	Triphenylene	228	C18H12	000217-59-4	60





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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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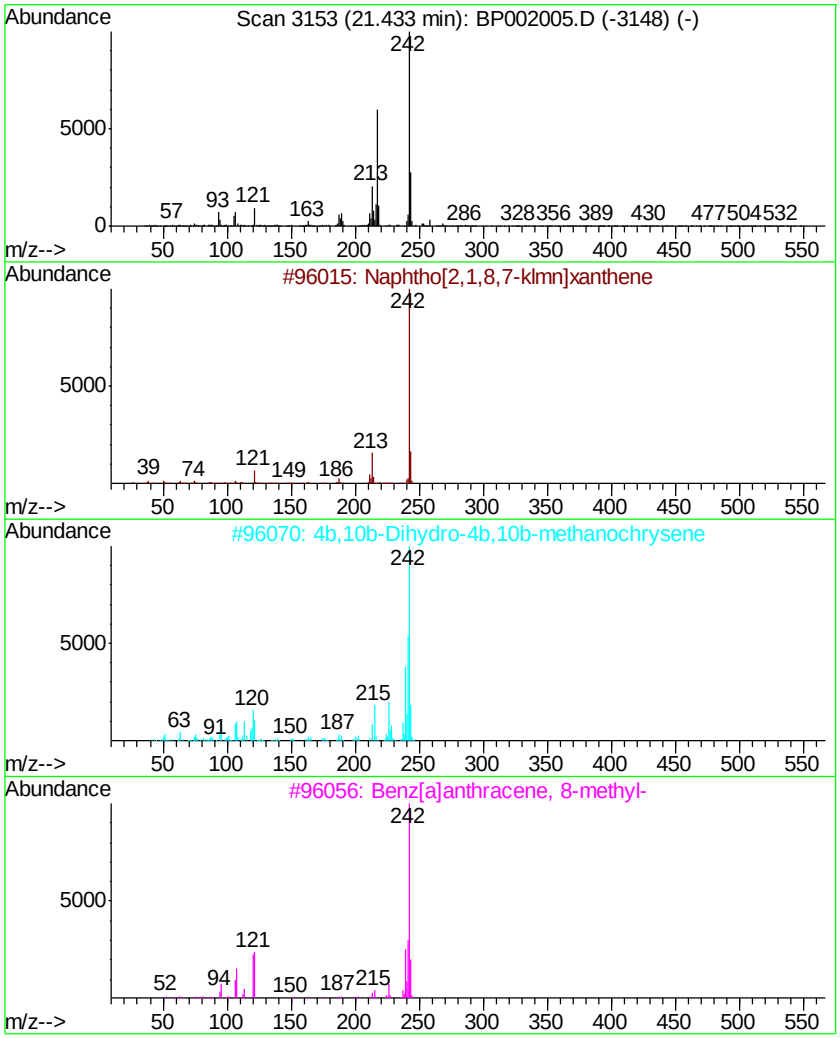
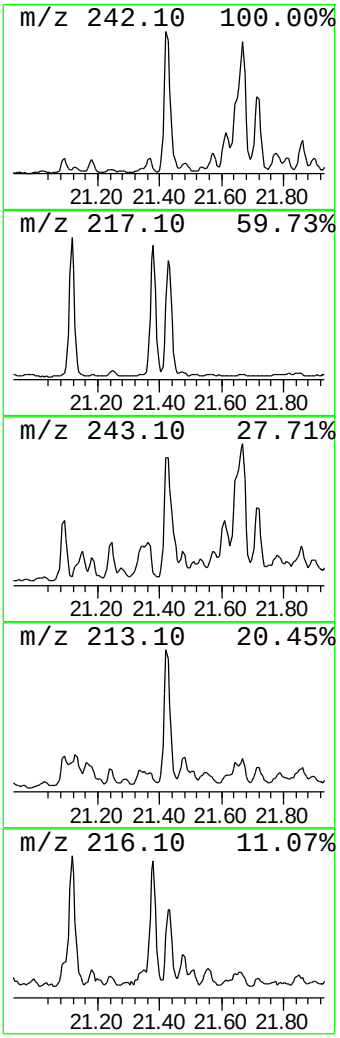
Peak Number 21 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.28 ng/ul	1520520	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	94
2	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	53
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	52
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	50
5	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	49





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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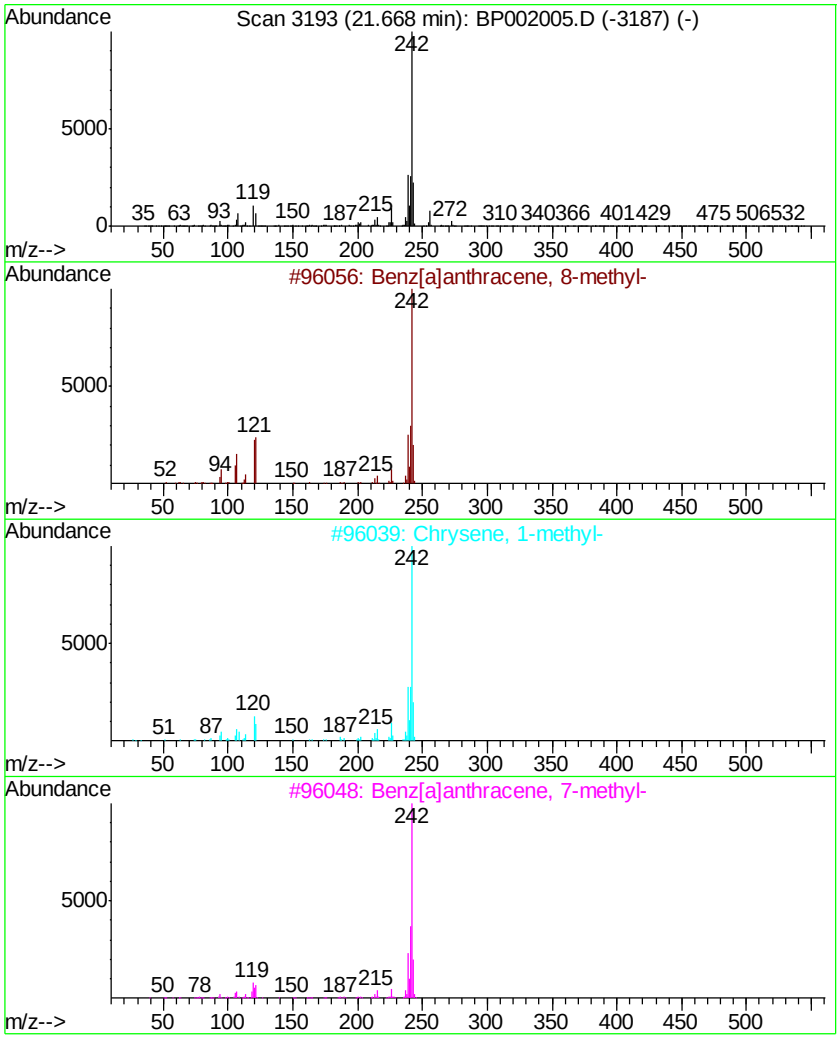
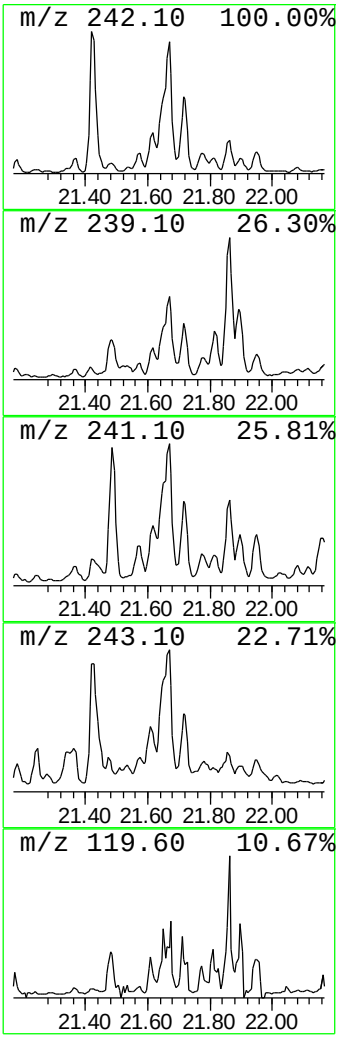
Peak Number 22 Benz[a]anthracene, 8-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	2.32 ng/ul	1551150	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Quant Title : SVOA CALIBRATION

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

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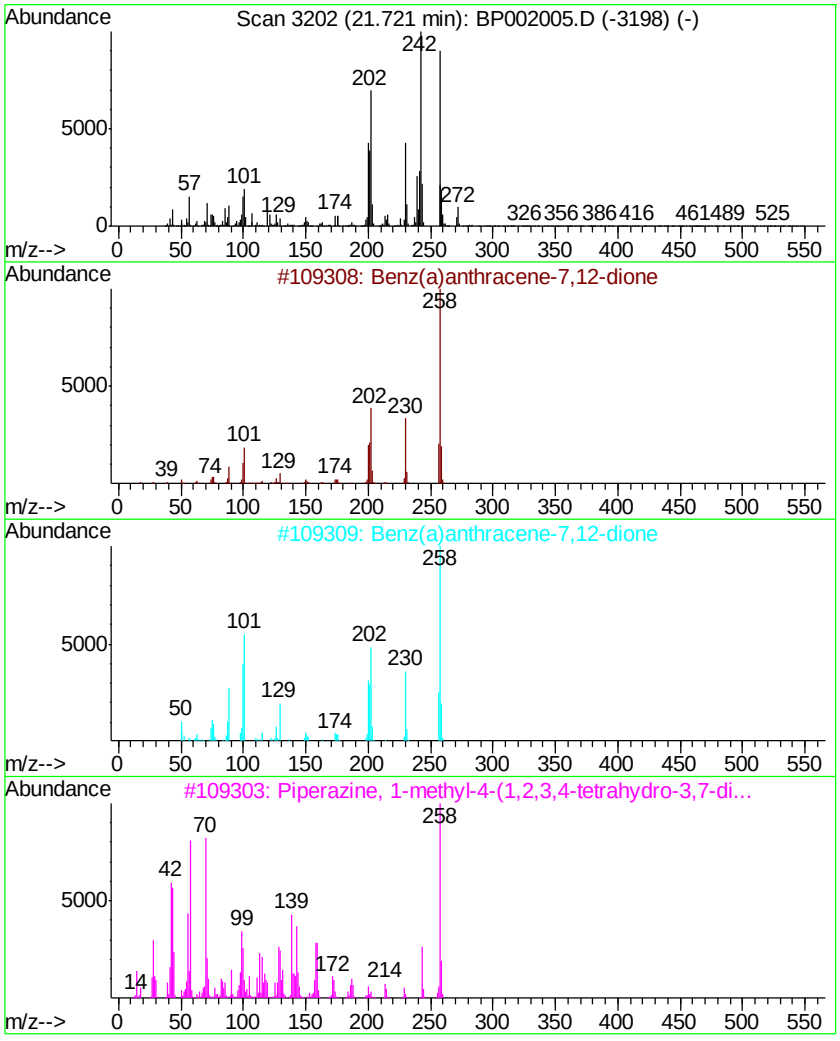
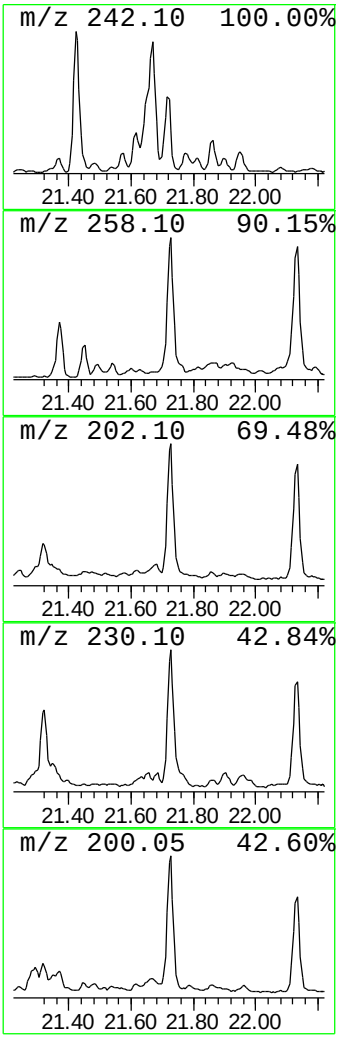
Peak Number 23 Benz(a)anthracene-7,12-dione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	3.59 ng/ul	2393560	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	92
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
4	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	60
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	50





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

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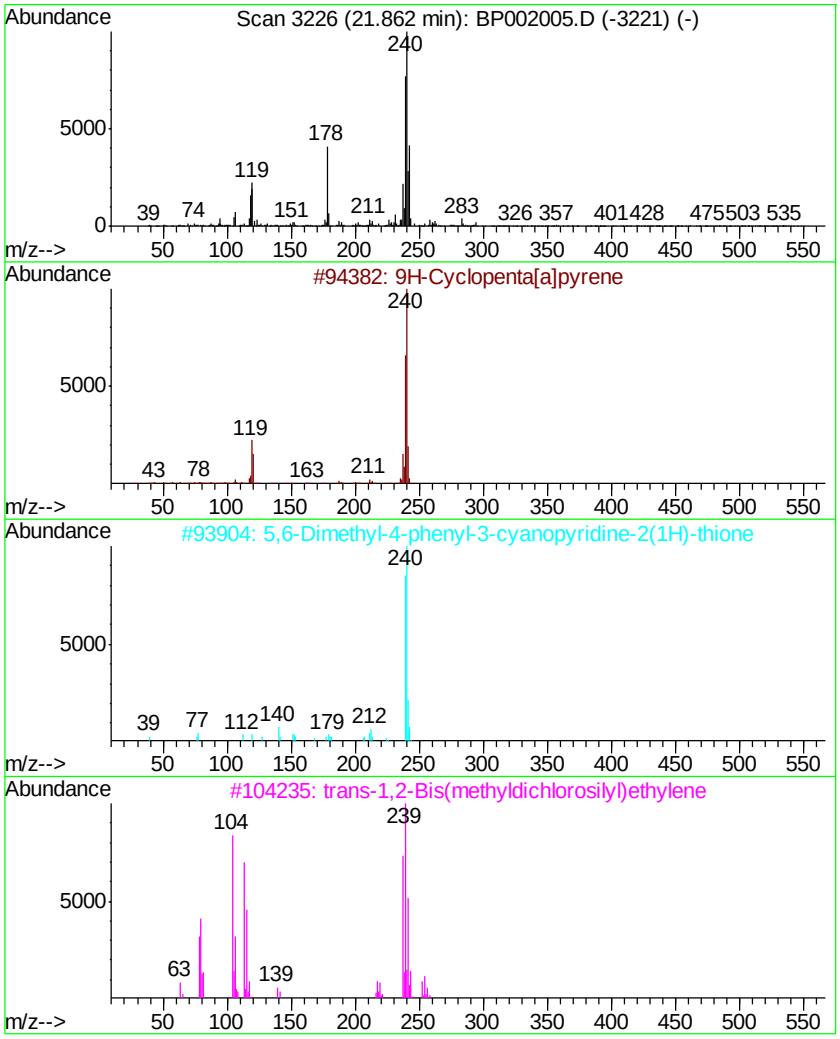
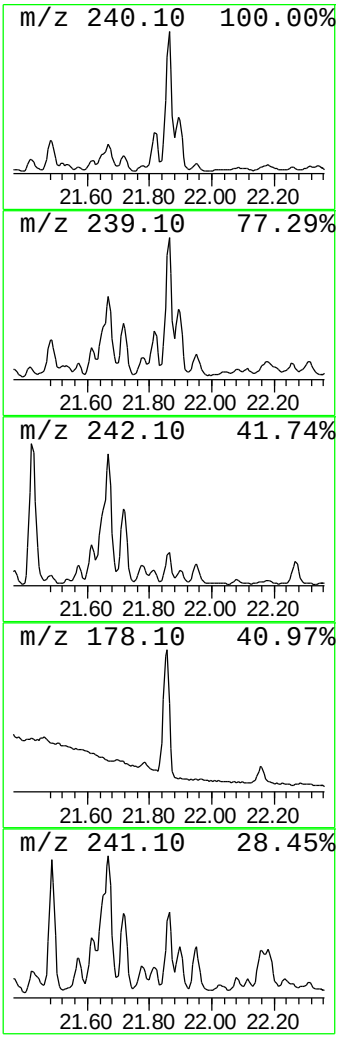
Peak Number 24 9H-Cyclopenta[a]pyrene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.22 ng/ul	1481990	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	95
2	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	37
3	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	25
4	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	18
5	1,3-Dichloro-7-methyl-5,6,7,8-te...	241	C10H9Cl2N3	1000274-39-1	16





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Instrument : BNA_P
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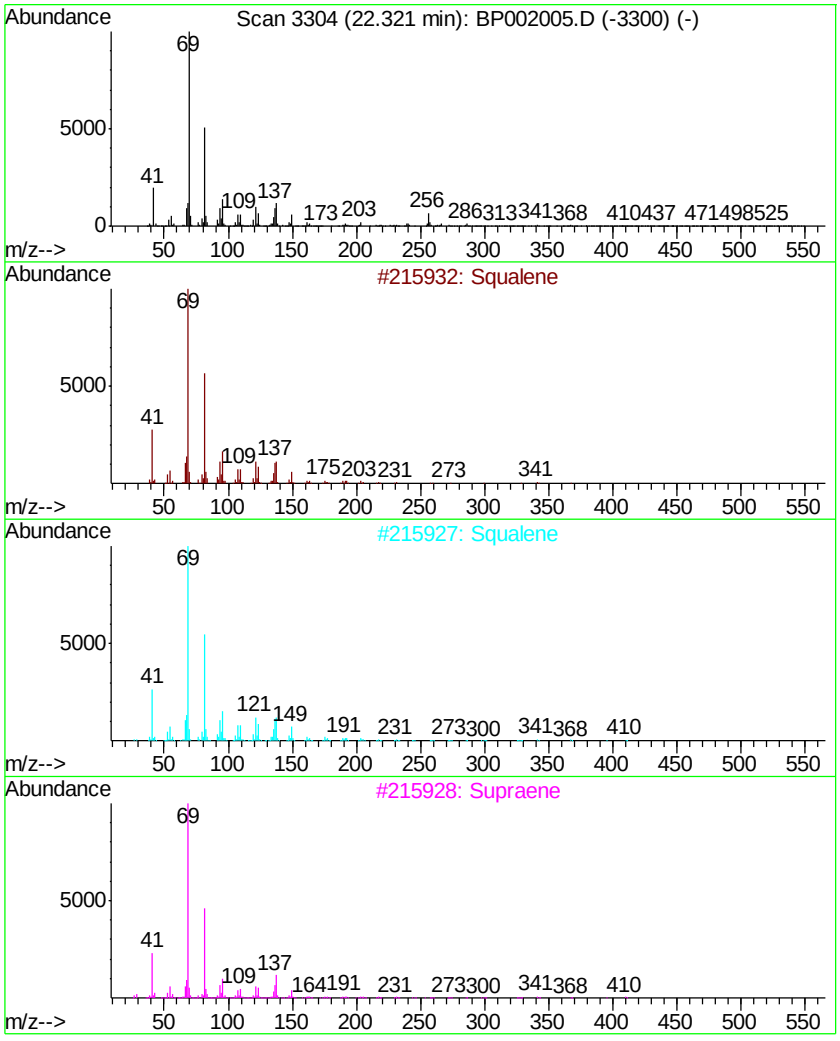
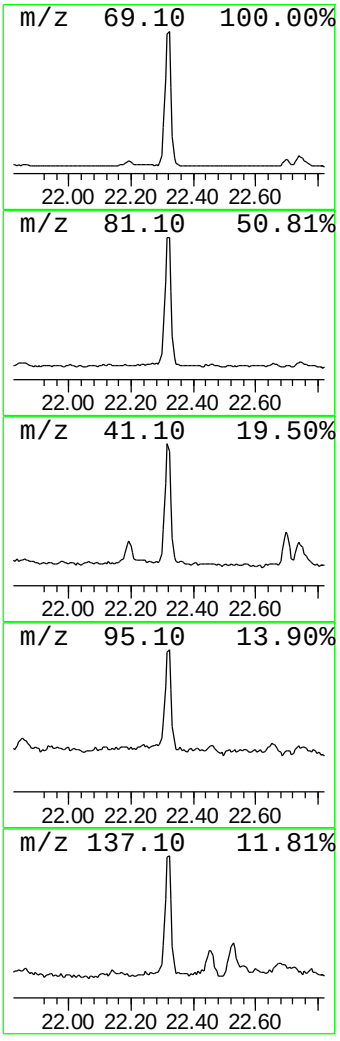
Peak Number 25 Squalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.32	8.02 ng/ul	1604520	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	90
2	Squalene	410	C30H50	000111-02-4	90
3	Supraene	410	C30H50	007683-64-9	87
4	Squalene	410	C30H50	000111-02-4	86
5	Squalene	410	C30H50	000111-02-4	83





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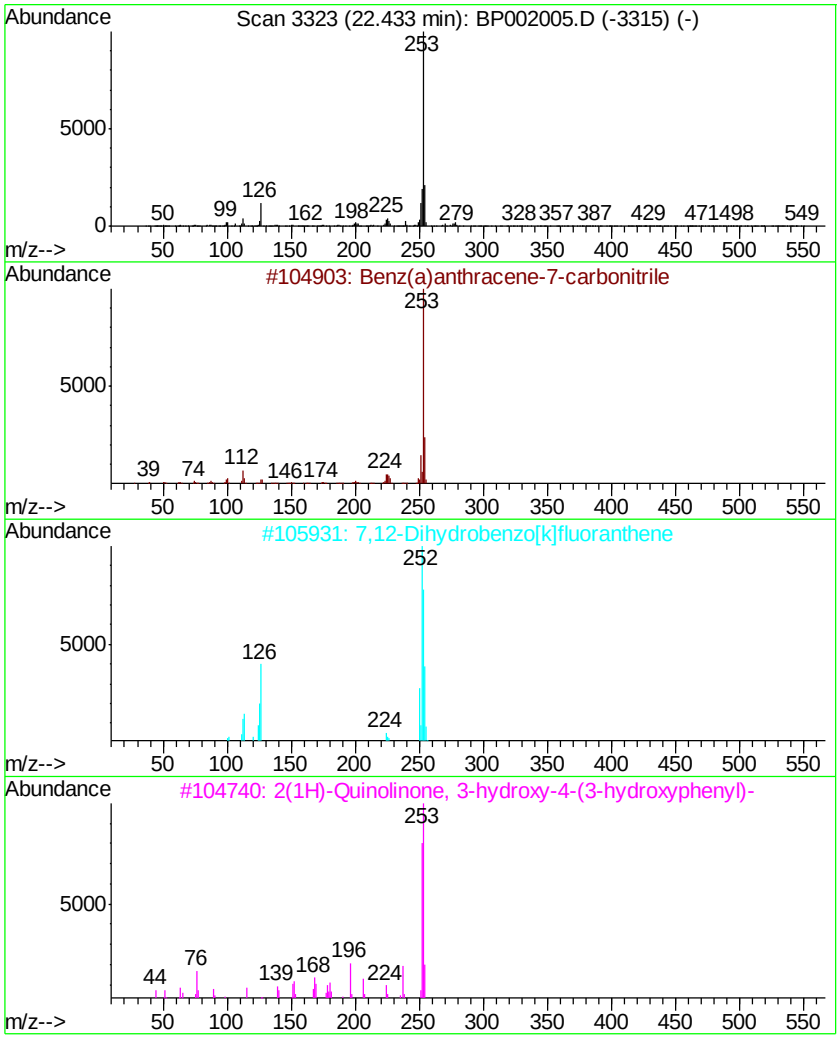
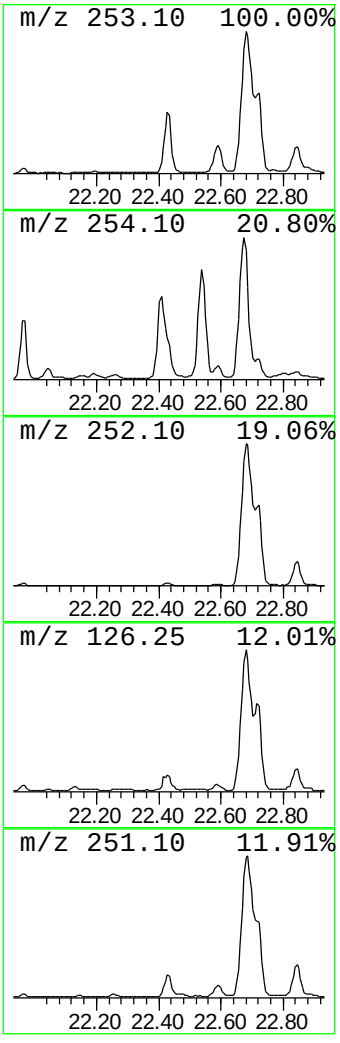
Peak Number 26 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	14.38 ng/ul	2878070	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	90
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	45
3	2(1H)-Quinolinone, 3-hydroxy-4-(...	253	C15H11NO3	014484-44-7	38
4	N-Benzylisatoic anhydride	253	C15H11NO3	035710-05-5	36
5	4,4'-Biazulenyl	254	C20H14	094053-54-0	17





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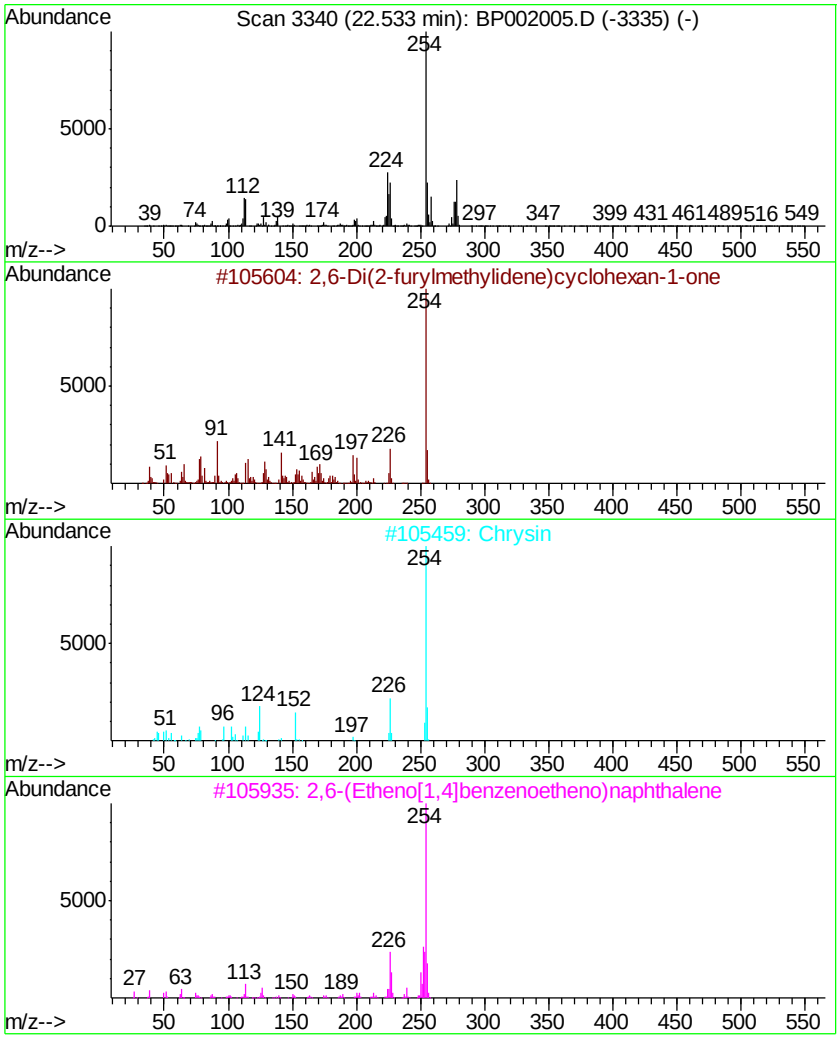
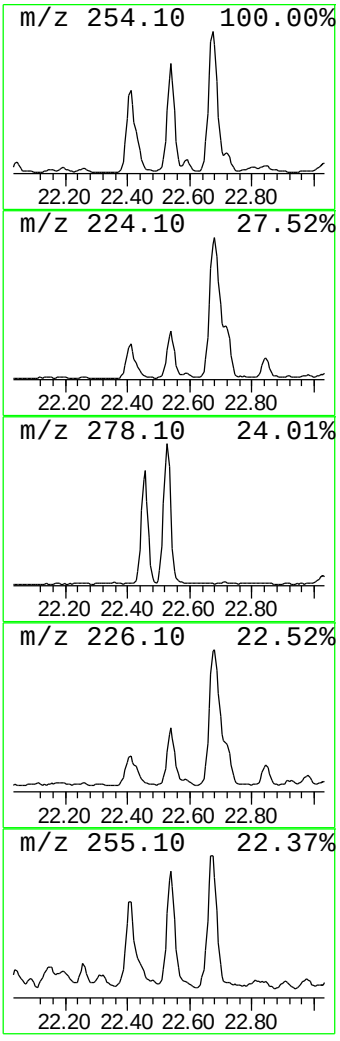
Peak Number 27 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	9.04 ng/ul	1809690	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	47
2	Chrysin	254	C15H10O4	000480-40-0	47
3	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	47
4	1,2,3-Trimethyl-5-trimethylsilyl...	269	C15H31NOSi	1000216-64-9	47
5	Chrysin	254	C15H10O4	000480-40-0	43





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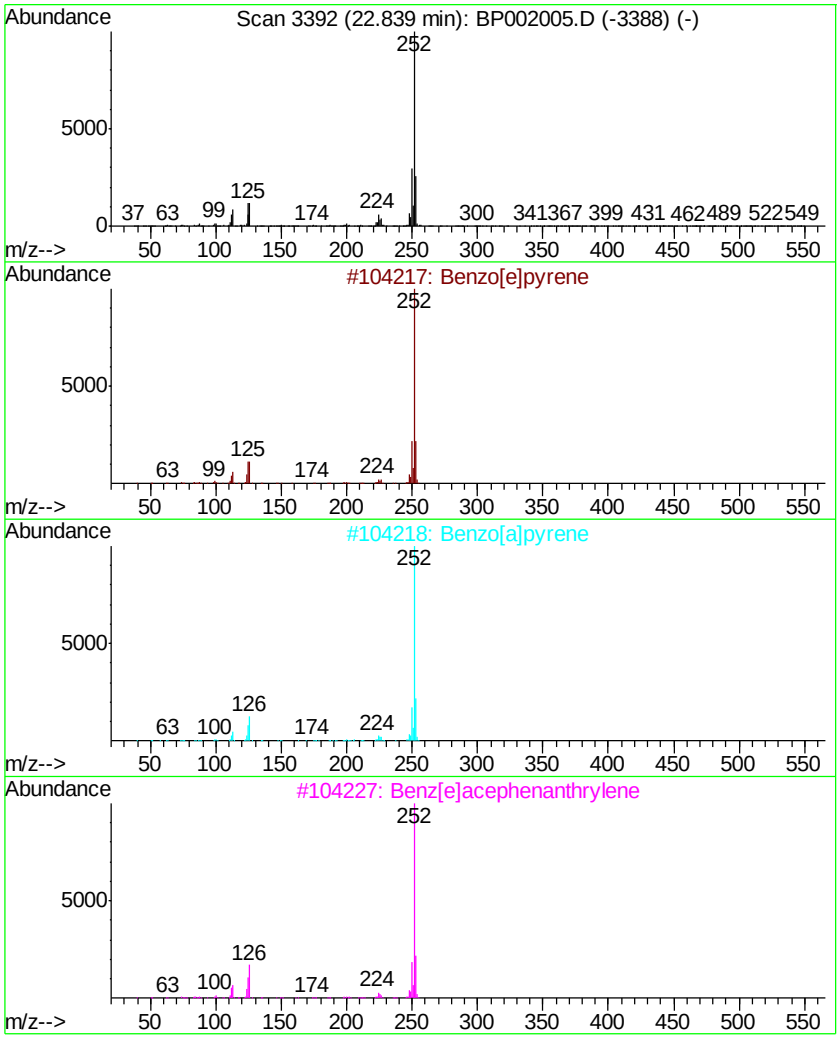
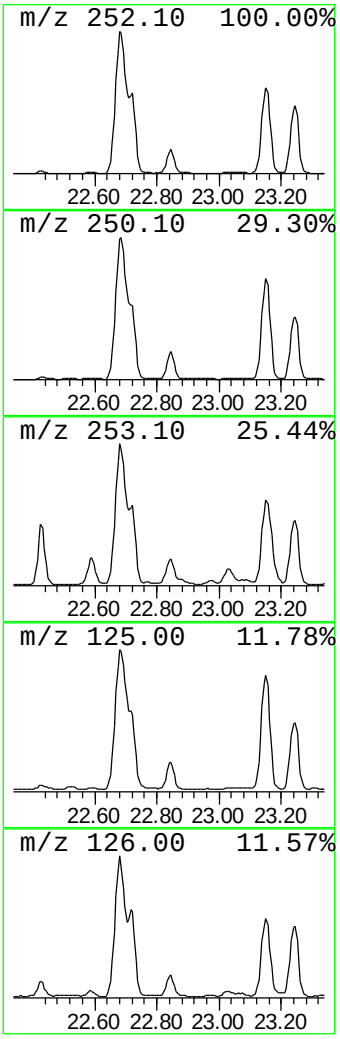
Peak Number 28 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	10.86 ng/ul	2172560	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87





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Acq On : 03 Mar 2020 00:22
Operator : CG/JU
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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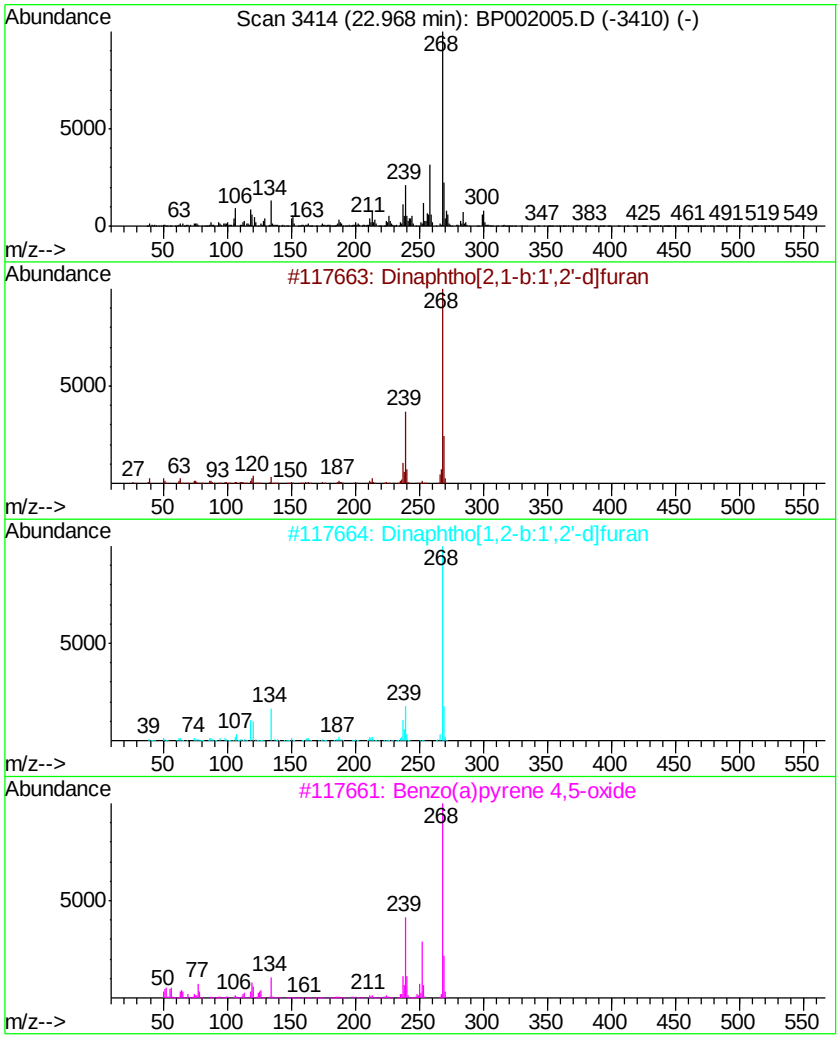
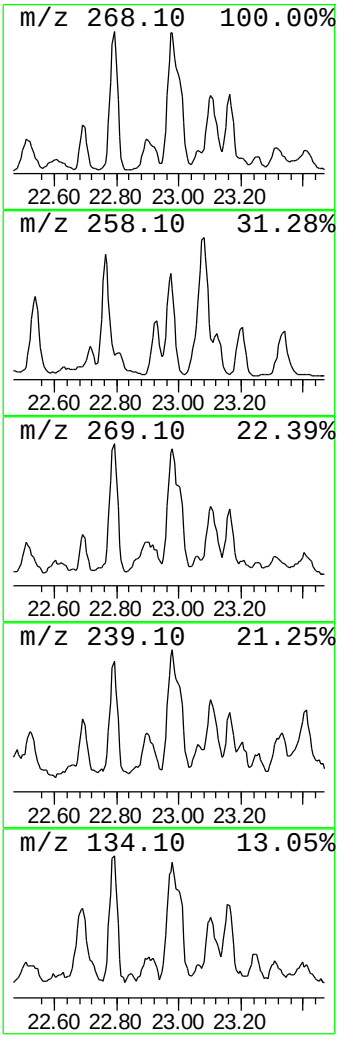
Peak Number 29 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	9.67 ng/ul	1934140	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	60
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58





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Data File : BP002005.D
Acq On : 03 Mar 2020 00:22
Operator : CG/JU
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION

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

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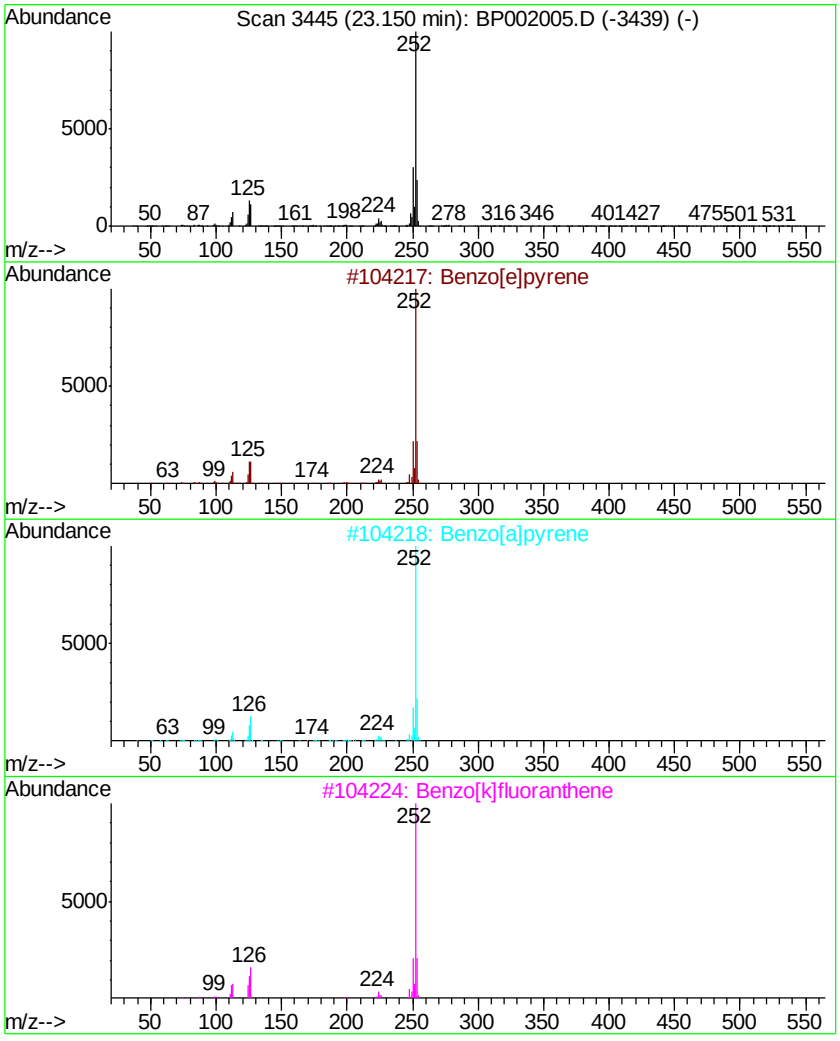
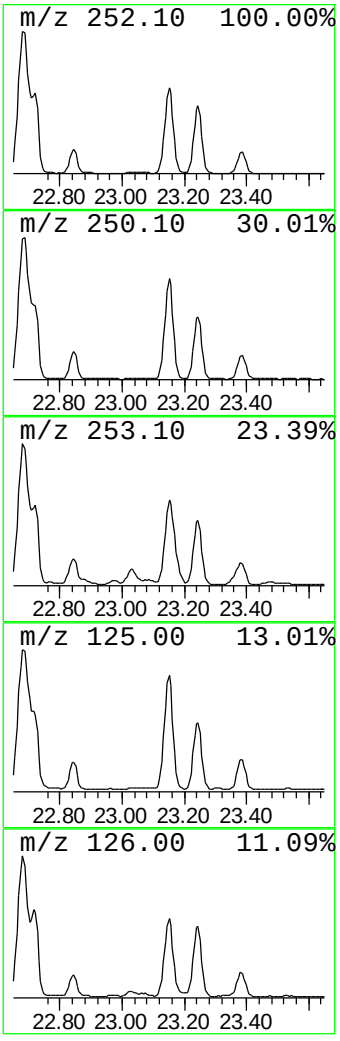
Peak Number 30 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	44.93 ng/ul	8990580	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	95
5	Perylene	252	C20H12	000198-55-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030220\
Data File : BP002005.D
Acq On : 03 Mar 2020 00:22
Operator : CG/JU
Sample : L1616-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBDQ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.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
Butane, 2-methoxy...	2.92	30.2	ng/ul	2493040	1	7.64	1648630	20.0
Indene	8.17	5.5	ng/ul	449814	1	7.64	1648630	20.0
Indole	11.91	2.4	ng/ul	298979	2	10.41	2492340	20.0
n-Hexadecanoic acid	17.95	8.9	ng/ul	1668850	4	17.03	3755830	20.0
Phenanthrene, 2-m...	18.03	2.3	ng/ul	425235	4	17.03	3755830	20.0
4H-Cyclopenta[def...	18.09	4.0	ng/ul	748541	4	17.03	3755830	20.0
Anthrone	18.28	2.5	ng/ul	470671	4	17.03	3755830	20.0
Anthracene, 9-met...	18.37	3.2	ng/ul	593155	4	17.03	3755830	20.0
9,10-Anthracenedione	18.42	6.3	ng/ul	1180860	4	17.03	3755830	20.0
Naphthalic anhydride	18.80	2.3	ng/ul	431664	4	17.03	3755830	20.0
Cyclopenta(def)ph...	18.93	6.4	ng/ul	1205220	4	17.03	3755830	20.0
Indeno(1,2,3-ij)i...	19.63	4.1	ng/ul	2732790	5	21.13	13346400	20.0
Pyrene, 1-methyl-	19.72	2.3	ng/ul	1540870	5	21.13	13346400	20.0
11H-Benzo[b]fluorene	19.86	2.4	ng/ul	1569000	5	21.13	13346400	20.0
Pyrene, 2-methyl-	20.04	3.0	ng/ul	1966850	5	21.13	13346400	20.0
7H-Benz[de]anthra...	20.62	2.6	ng/ul	1754280	5	21.13	13346400	20.0
Benzo[b]naphtho[2...	20.77	3.1	ng/ul	2055470	5	21.13	13346400	20.0
Benzo[c]phenanthrene	20.82	2.6	ng/ul	1748560	5	21.13	13346400	20.0
Cyclopenta[cd]pyrene	20.86	6.8	ng/ul	4511260	5	21.13	13346400	20.0
Cyclopenta(cd)pyr...	21.28	2.8	ng/ul	1864040	5	21.13	13346400	20.0
Naphtho[2,1,8,7-k...	21.43	2.3	ng/ul	1520520	5	21.13	13346400	20.0
Benz[a]anthracene...	21.67	2.3	ng/ul	1551150	5	21.13	13346400	20.0
Benz(a)anthracene...	21.72	3.6	ng/ul	2393560	5	21.13	13346400	20.0
9H-Cyclopenta[a]p...	21.86	2.2	ng/ul	1481990	5	21.13	13346400	20.0
Squalene	22.32	8.0	ng/ul	1604520	6	23.34	4002280	20.0
Benz(a)anthracene...	22.43	14.4	ng/ul	2878070	6	23.34	4002280	20.0
unknown-01	22.53	9.0	ng/ul	1809690	6	23.34	4002280	20.0
Benzo[e]pyrene	22.84	10.9	ng/ul	2172560	6	23.34	4002280	20.0
Dinaphtho[2,1-b:1...	22.97	9.7	ng/ul	1934140	6	23.34	4002280	20.0
Perylene	23.15	44.9	ng/ul	8990580	6	23.34	4002280	20.0