LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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	6.993	641	647	663	rVB2	434403	975697	5.14%	0.453%
2	7.163	670	676	686	rBV	331598	527273	2.78%	0.245%
3	7.363	704	710	717	rBV	450226	704864	3.71%	0.327%
4	7.834	783	790	798	rBV	880177	1432361	7.54%	0.665%
5	8.534	903	909	917	rBV	533149	866402	4.56%	0.402%
6	8.987	979	986	995	rBV	408198	675200	3.56%	0.313%
7	9.710	1101	1109	1122	rBV	326560	569184	3.00%	0.264%
8	10.246	1193	1200	1211	rVB	550113	949528	5.00%	0.441%
9	10.628	1257	1265	1270	rBV	1272041	2147342	11.31%	0.996%
10	10.681	1270	1274	1280	rVV	181251	305362	1.61%	0.142%
11	10.763	1280	1288	1306	rVB	384301	724518	3.82%	0.336%
12	12.293	1541	1548	1554	rVB	77235	124451	0.66%	0.058%
13	13.375	1727	1732	1739	rVV	83966	140016	0.74%	0.065%
14	13.798	1794	1804	1809	rBV	85278	148775	0.78%	0.069%
15	13.887	1809	1819	1823	rVV	970313	1438099	7.57%	0.667%
16	13.934	1823	1827	1832	rVB	130064	184279	0.97%	0.085%
17	14.169	1854	1867	1870	rBV	1251636	1954592	10.29%	0.907%
18	14.198	1870	1872	1883	rVB	692842	958125	5.05%	0.445%
19	14.481	1911	1920	1926	rBV2	1971504	3014620	15.88%	1.399%
20	14.545	1926	1931	1938	rVB	195014	315170	1.66%	0.146%
21	14.675	1947	1953	1965	rBV	374892	638178	3.36%	0.296%
22	14.881	1983	1988	1996	rVV	331400	506638	2.67%	0.235%
23	15.481	2082	2090	2095	rVV	1554481	2303237	12.13%	1.069%
24	15.534	2095	2099	2106	rVV	551612	791141	4.17%	0.367%
25	15.604	2106	2111	2117	rVV	221664	341985	1.80%	0.159%
26	15.828	2144	2149	2160	rVB	188882	327301	1.72%	0.152%
27	15.975	2167	2174	2183	rVB	222004	457373	2.41%	0.212%
28	16.216	2210	2215	2222	rVV5	79559	144325	0.76%	0.067%
29	16.545	2258	2271	2276	rBV3	157102	363976	1.92%	0.169%
30	16.775	2302	2310	2314	rBV2	142200	248785	1.31%	0.115%
31	16.892	2325	2330	2338	rVB	218407	358604	1.89%	0.166%
32	16.975	2338	2344	2353	rBV3	167804	450054	2.37%	0.209%
33	17.057	2353	2358	2367	rVB	439414	703148	3.70%	0.326%
34	17.245	2383	2390	2393	rBV	2378828	3691414	19.44%	1.713%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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	17.286	2393	2397	2402	rVV	8096440	11454156	60.32%	5.314%
36	17.339	2402	2406	2410	rVV	1676720	2753868	14.50%	1.278%
37	17.375	2410	2412	2418	rVV	1501610	1866372	9.83%	0.866%
38	17.433	2418	2422	2428	rVB3	169057	269298	1.42%	0.125%
39	17.645	2449	2458	2462	rBV2	588928	977539	5.15%	0.454%
40	17.763	2473	2478	2484	rBV2	206465	290271	1.53%	0.135%
41	17.828	2485	2489	2496	rVB5	111380	190523	1.00%	0.088%
42	17.963	2508	2512	2520	rVB	86046	160268	0.84%	0.074%
43	18.116	2528	2538	2541	rBV	929302	1393715	7.34%	0.647%
44	18.163	2541	2546	2552	rVB	1322074	1857367	9.78%	0.862%
45	18.239	2554	2559	2563	rBV	400229	543785	2.86%	0.252%
46	18.304	2563	2570	2574	rBV3	1549847	2668156	14.05%	1.238%
47	18.333	2574	2575	2583	rVB	606406	654725	3.45%	0.304%
48	18.598	2615	2620	2623	rBV	946116	1205751	6.35%	0.559%
49	18.639	2623	2627	2632	rVB	1030208	1385656	7.30%	0.643%
50	18.839	2657	2661	2664	rBV	193659	246349	1.30%	0.114%
51	18.886	2664	2669	2672	rVV2	244757	353039	1.86%	0.164%
52	18.922	2672	2675	2679	rVB	198818	254590	1.34%	0.118%
53	19.004	2684	2689	2693	rBV2	471090	791694	4.17%	0.367%
54	19.069	2697	2700	2702	rVB2	135870	150795	0.79%	0.070%
55	19.139	2708	2712	2720	rVB	559376	881000	4.64%	0.409%
56	19.263	2727	2733	2739	rVB	13996500	18989056	100.00%	8.810%
57	19.322	2740	2743	2746	rBV	147619	191858	1.01%	0.089%
58	19.357	2746	2749	2753	rVB	291419	355442	1.87%	0.165%
59	19.404	2753	2757	2761	rBV	705428	907330	4.78%	0.421%
60	19.451	2761	2765	2768	rBV2	247158	354908	1.87%	0.165%
61	19.498	2769	2773	2777	rVB	431850	570214	3.00%	0.265%
62	19.586	2782	2788	2790	rVV3	4418410	6707884	35.32%	3.112%
63	19.616	2790	2793	2800	rVV	11926519	16120139	84.89%	7.479%
64	19.680	2800	2804	2811	rVB2	586839	906424	4.77%	0.421%
65	19.786	2818	2822	2827	rBV	796011	1030506	5.43%	0.478%
66	19.845	2828	2832	2837	rVB	688359	963335	5.07%	0.447%
67	19.939	2840	2848	2852	rBV2	758382	1920265	10.11%	0.891%
68	19.980	2852	2855	2858	rVB	173691	200874	1.06%	0.093%
69	20.063	2863	2869	2870	rBV2	533872	819459	4.32%	0.380%
70	20.092	2871	2874	2879	rVB	1587712	2260244	11.90%	1.049%
71	20.139	2880	2882	2886	rBV2	98214	129387	0.68%	0.060%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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	20.192	2887	2891	2895	rBV	1298335	1582360	8.33%	0.734%
73	20.251	2895	2901	2905	rVV2	1045008	1792382	9.44%	0.832%
74	20.286	2905	2907	2911	rVB	224021	234907	1.24%	0.109%
75	20.327	2911	2914	2920	rBV2	233577	370924	1.95%	0.172%
76	20.386	2920	2924	2928	rBV	536297	704138	3.71%	0.327%
77	20.433	2928	2932	2936	rVV	575990	735106	3.87%	0.341%
78	20.639	2964	2967	2969	rBV2	162530	215349	1.13%	0.100%
79	20.827	2995	2999	3005	rVB	791833	1155178	6.08%	0.536%
80	20.992	3021	3027	3030	rBV3	925490	1615786	8.51%	0.750%
81	21.027	3030	3033	3036	rVV	1279527	1623507	8.55%	0.753%
82	21.069	3036	3040	3045	rVV2	1451295	2590429	13.64%	1.202%
83	21.116	3045	3048	3059	rVB2	910492	1466635	7.72%	0.680%
84	21.327	3079	3084	3089	rBV2	8049215	14111489	74.31%	6.547%
85	21.380	3089	3093	3102	rVB	6606392	9402975	49.52%	4.363%
86	21.498	3109	3113	3118	rBV	1091428	1665631	8.77%	0.773%
87	21.545	3118	3121	3126	rVV	524474	742552	3.91%	0.345%
88	21.663	3136	3141	3146	rBV2	900145	1437372	7.57%	0.667%
89	21.910	3180	3183	3187	rVB	853709	1115623	5.88%	0.518%
90	21.969	3190	3193	3199	rVB2	688068	1045061	5.50%	0.485%
91	22.116	3215	3218	3221	rBV	453222	654192	3.45%	0.304%
92	22.998	3361	3368	3373	rBV	5515221	13788578	72.61%	6.397%
93	23.174	3393	3398	3405	rVB	1162270	1922527	10.12%	0.892%
94	23.504	3448	3454	3460	rBV	3105343	6794814	35.78%	3.153%
95	23.557	3460	3463	3466	rVV	1282507	2221585	11.70%	1.031%
96	23.610	3466	3472	3479	rVB	5449446	10840015	57.09%	5.029%
97	23.710	3483	3489	3494	rVV	2009182	4337463	22.84%	2.012%
98	23.763	3494	3498	3507	rVB	1499072	3188682	16.79%	1.479%
99	26.151	3895	3904	3916	rVB	2844673	8837277	46.54%	4.100%
100	26.898	4022	4031	4049	rVB	2061866	7082613	37.30%	3.286%

Sum of corrected areas: 215533409

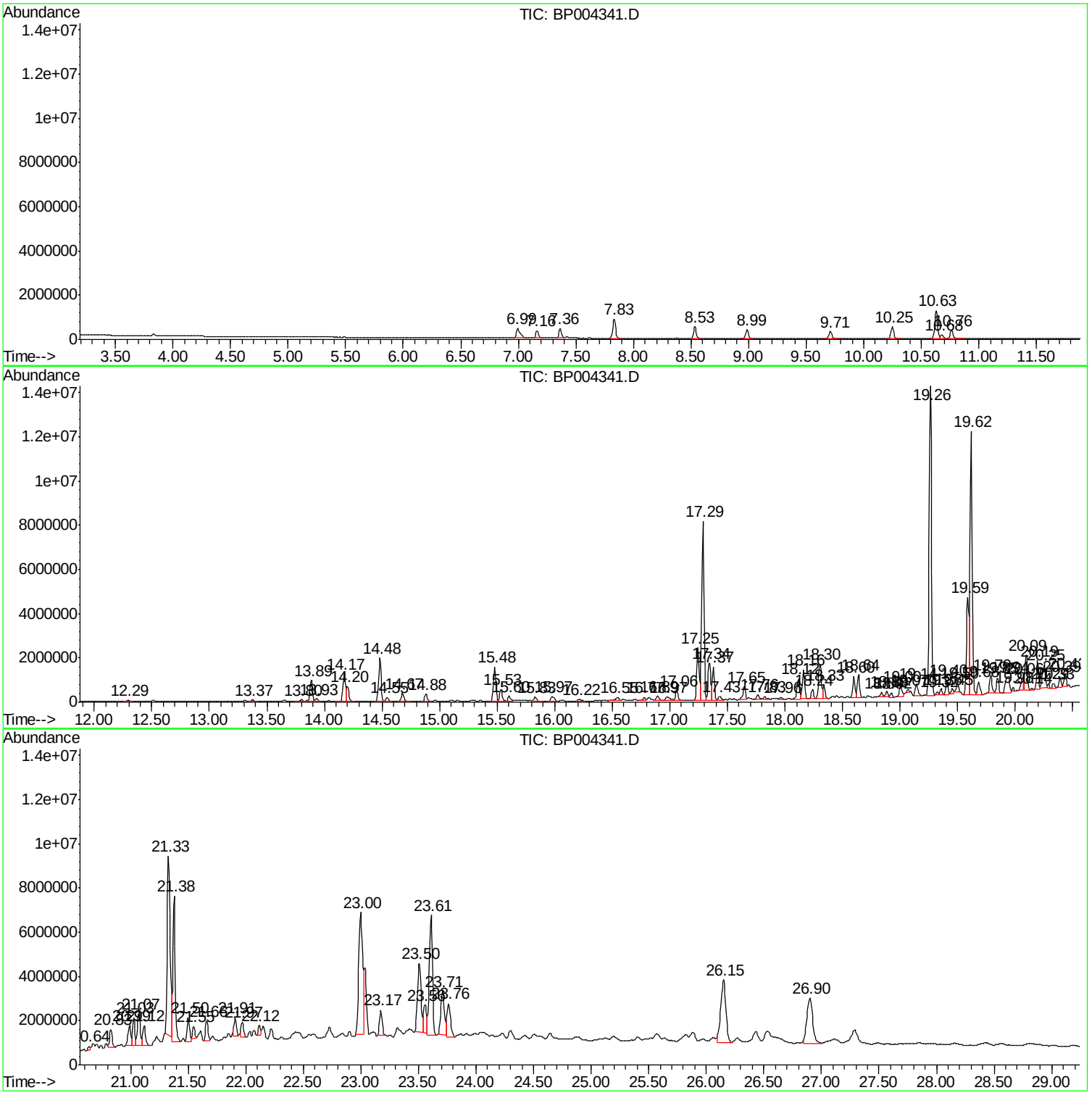
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

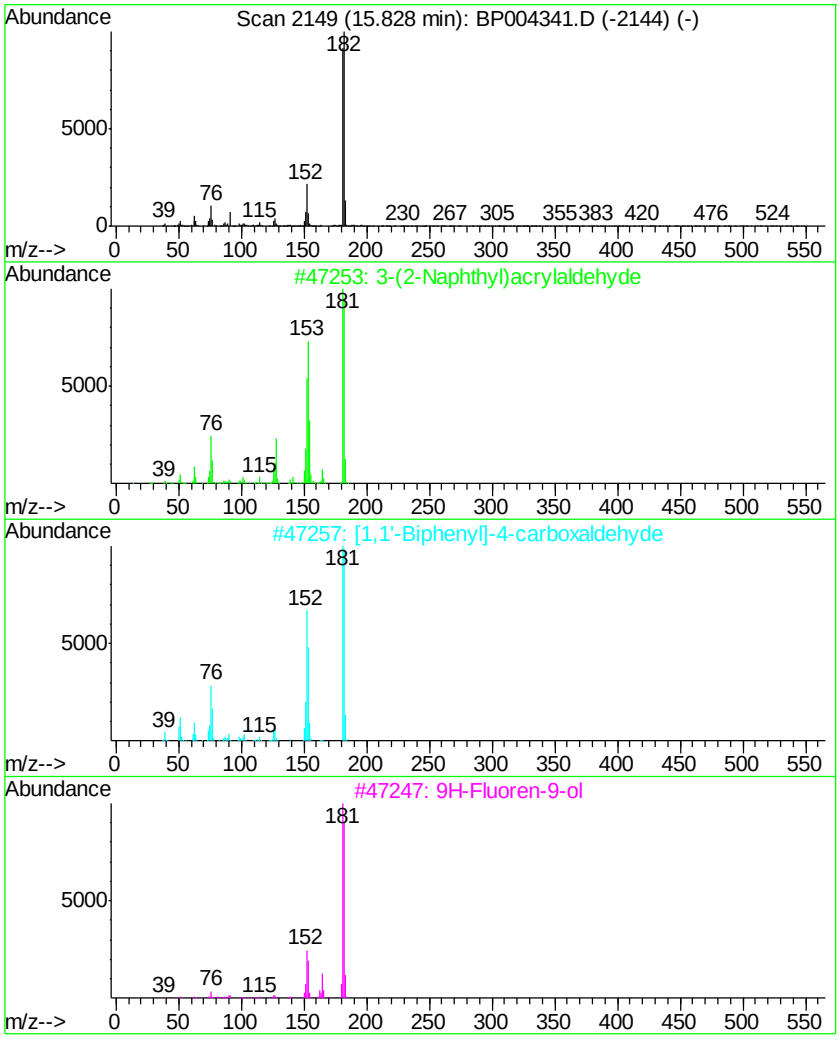
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

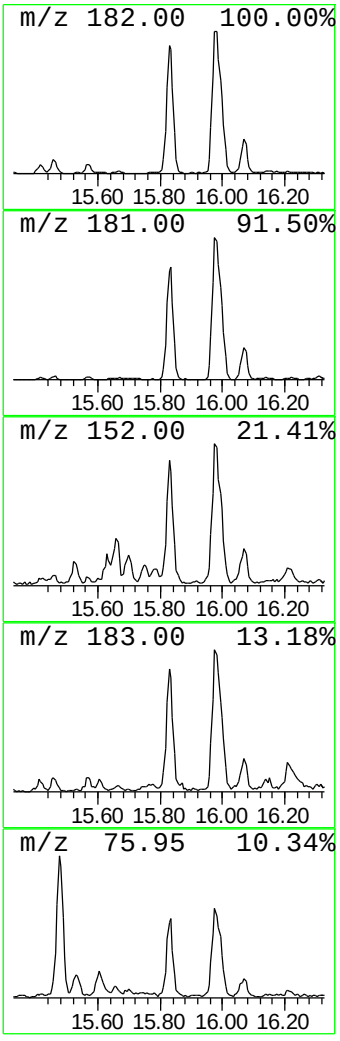
****

Peak Number 1 3-(2-Naphthyl)acrylaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	2.17 ng/ul	327301	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

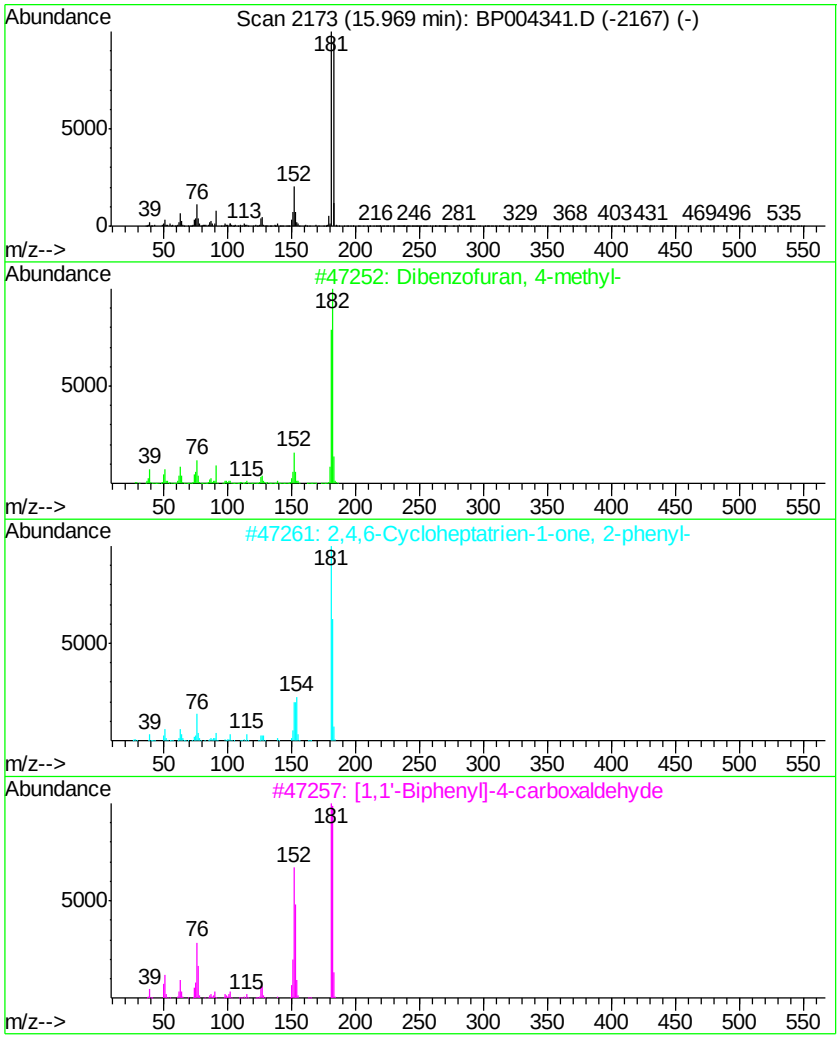
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

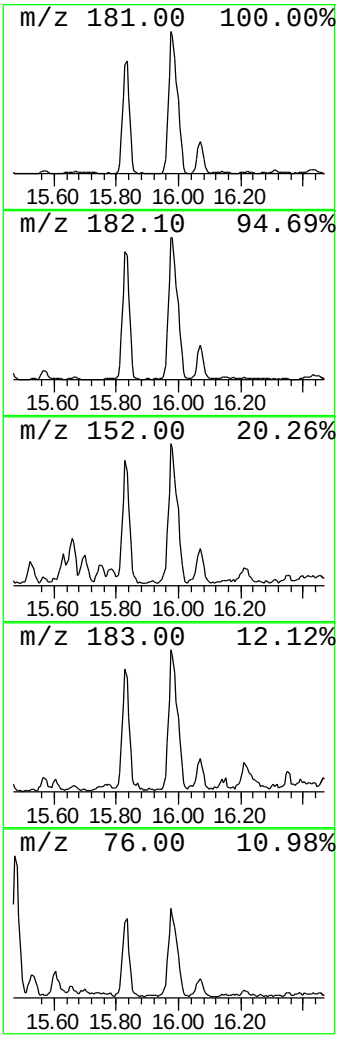
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	2.48 ng/ul	457373	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

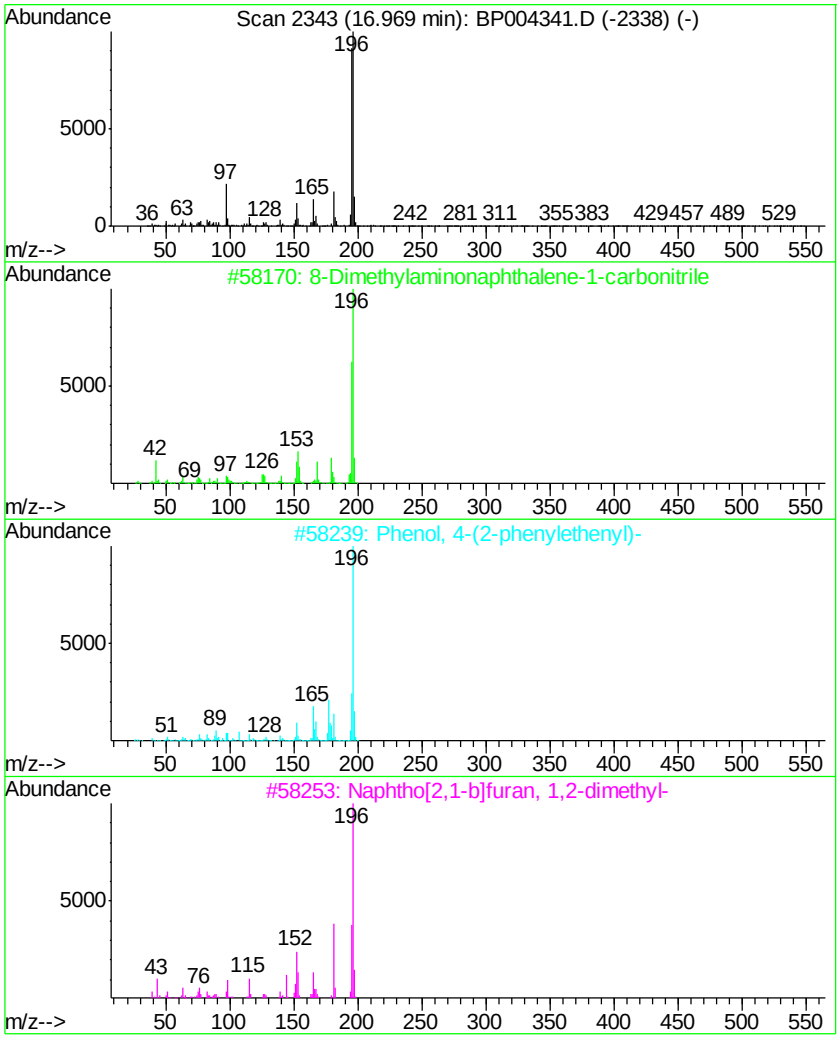
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

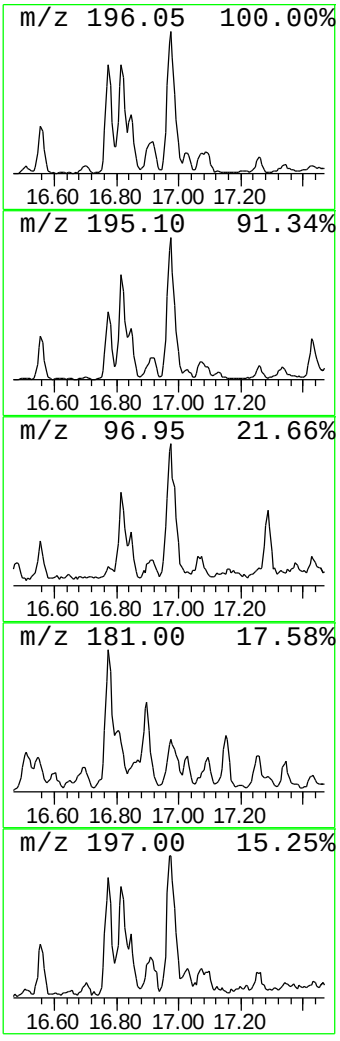
****

Peak Number 3 8-Dimethylaminonaphthalene-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.44 ng/ul	450054	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

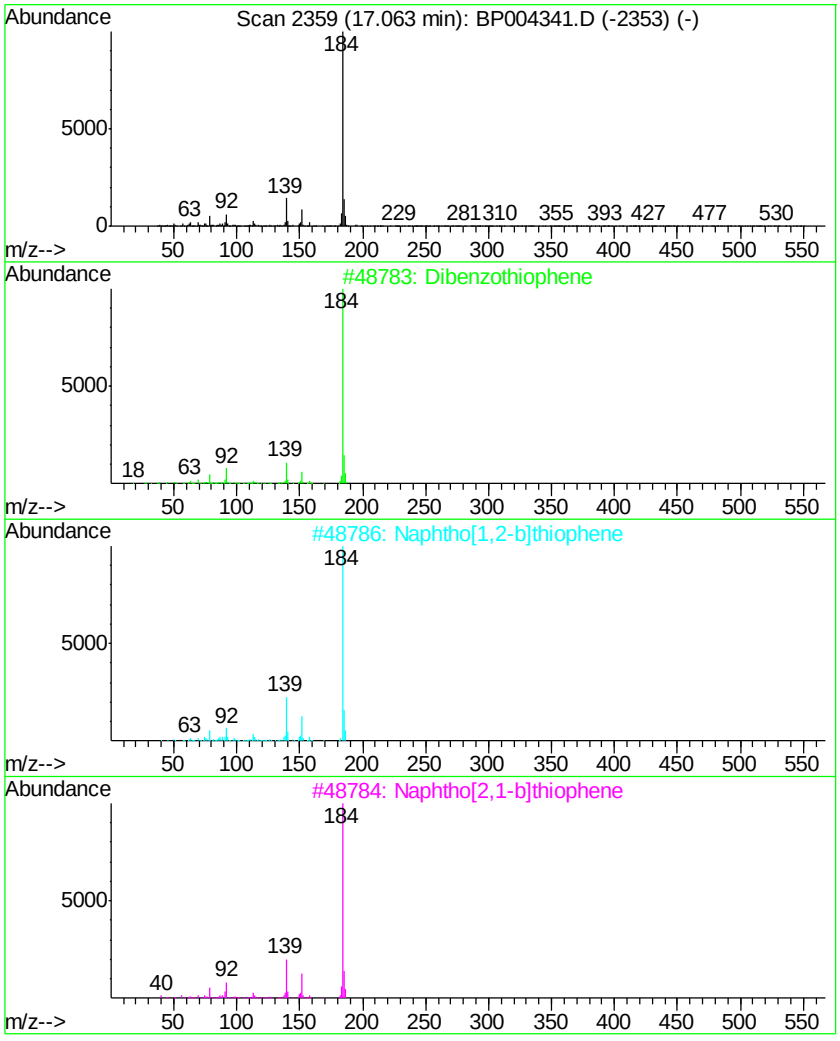
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

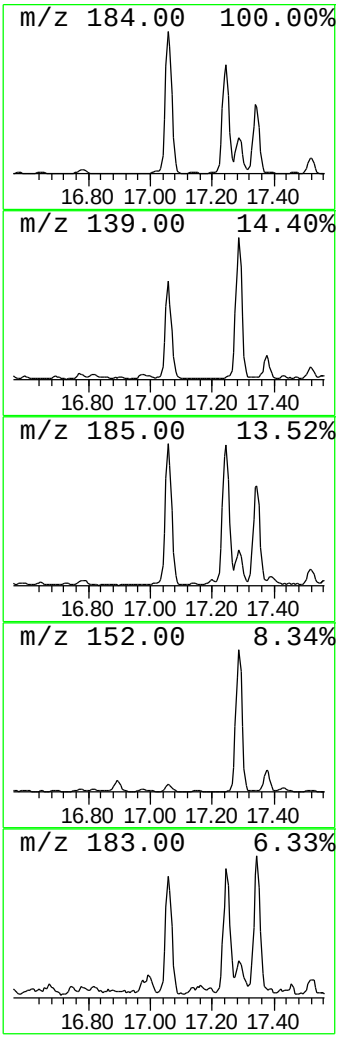
****

Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	3.81 ng/ul	703148	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

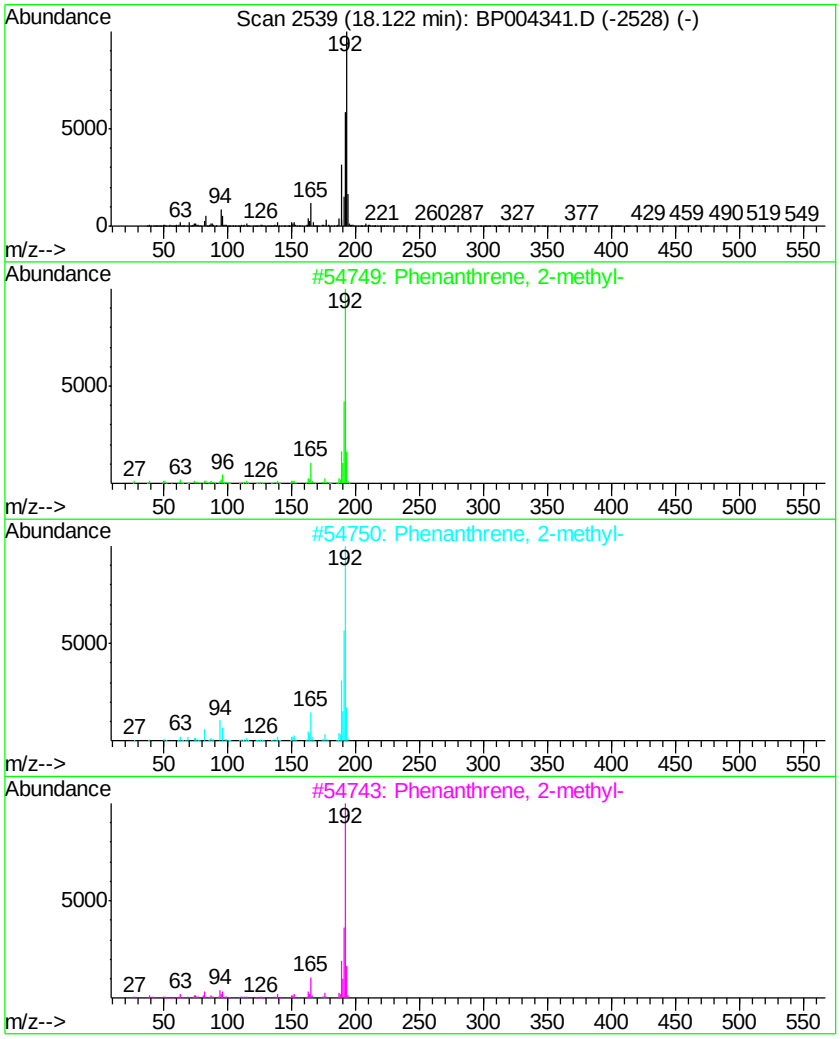
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

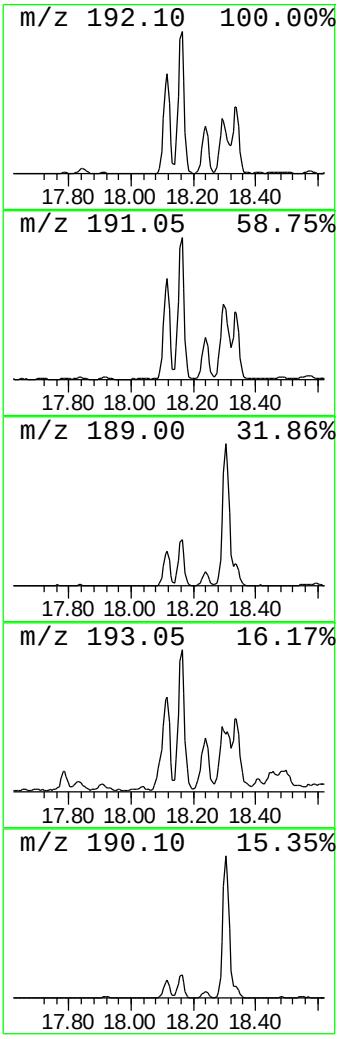
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	7.55 ng/ul	1393720	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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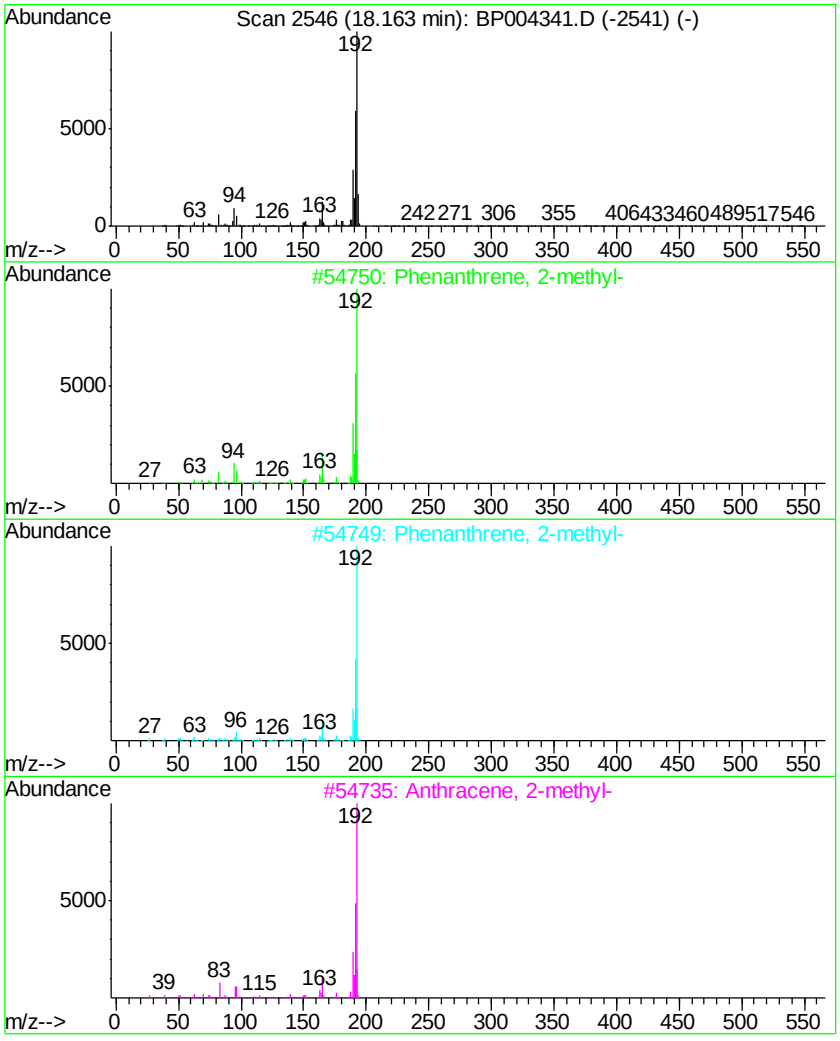
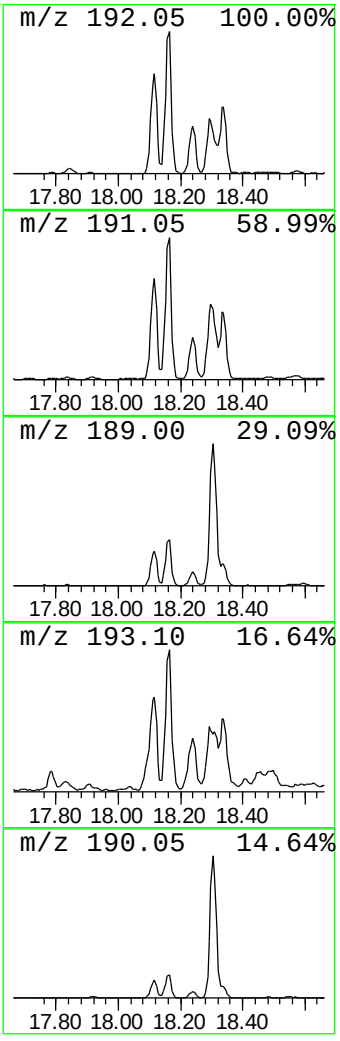
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	10.06 ng/ul	1857370	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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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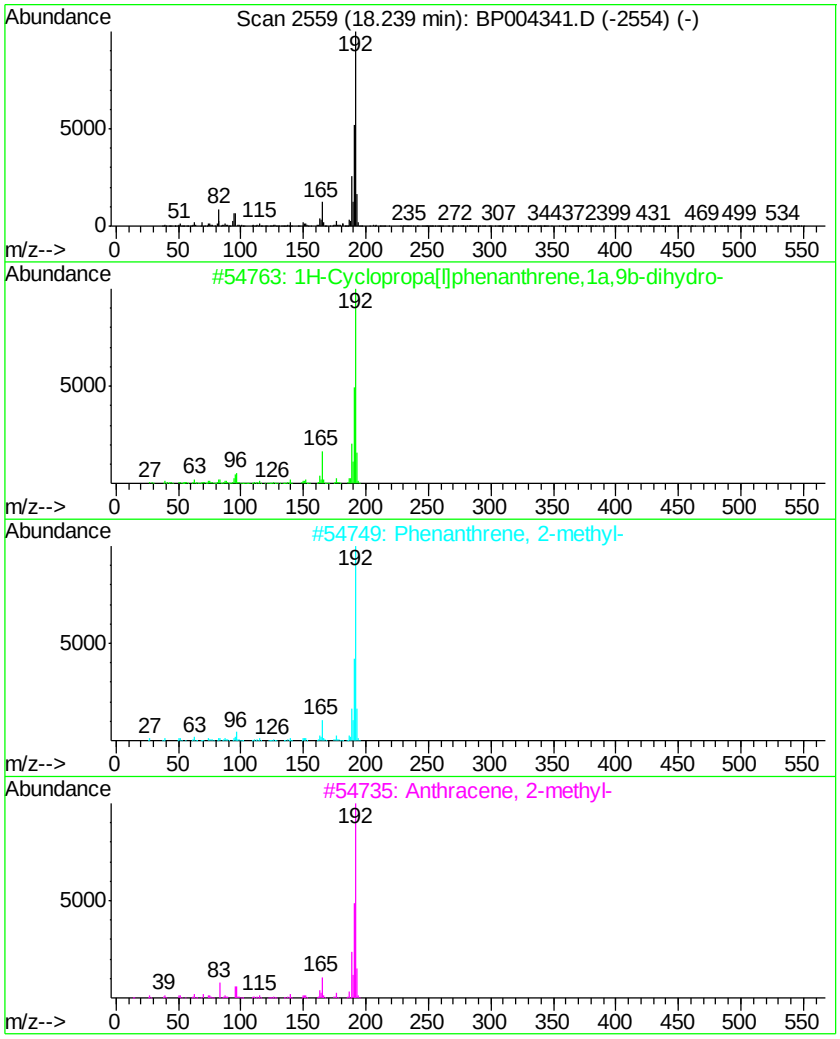
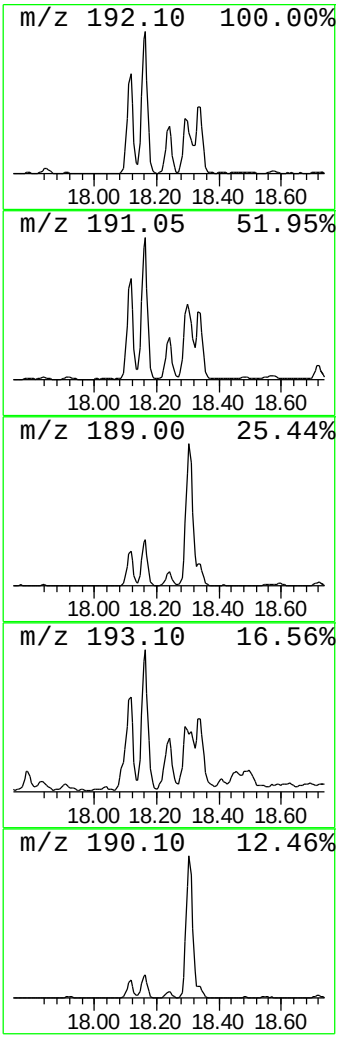
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.95 ng/ul	543785	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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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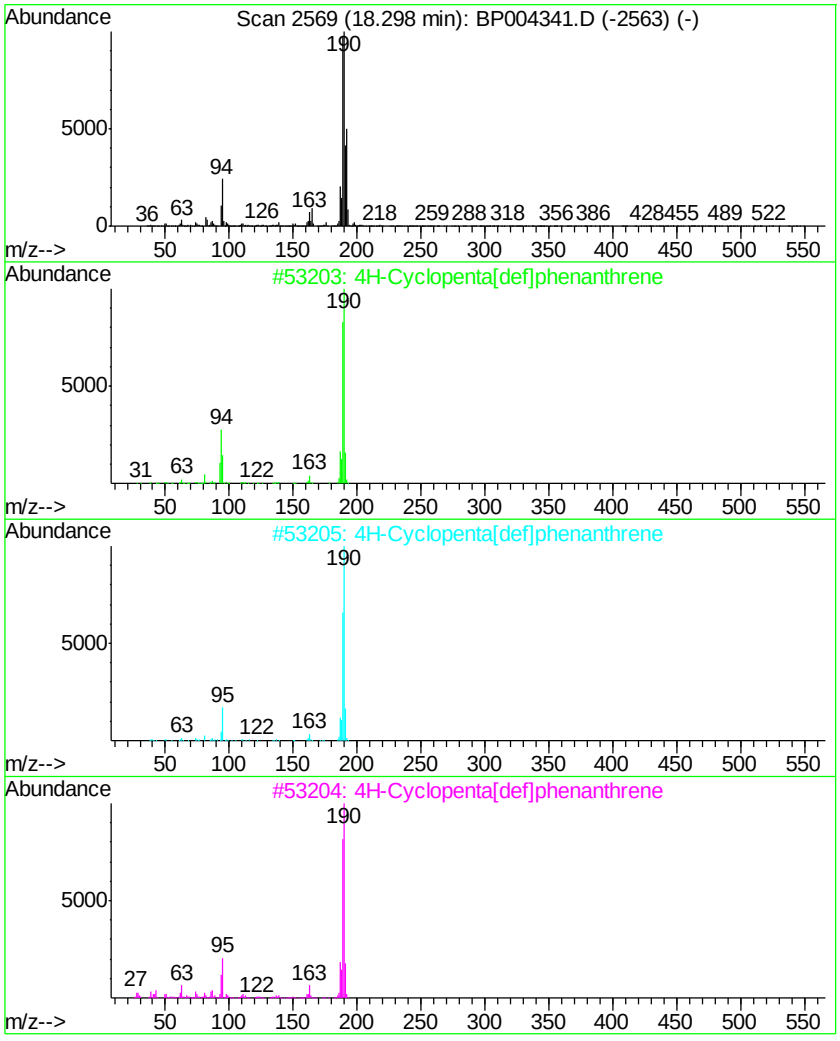
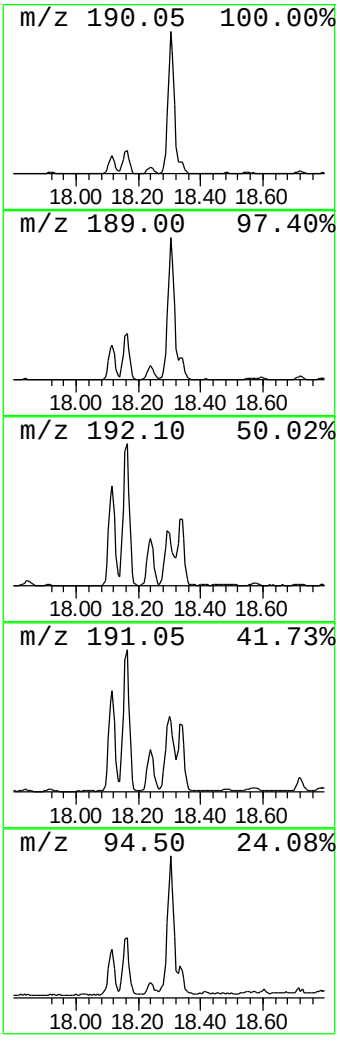
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	14.46 ng/ul	2668160	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





Library Search Compound Report

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Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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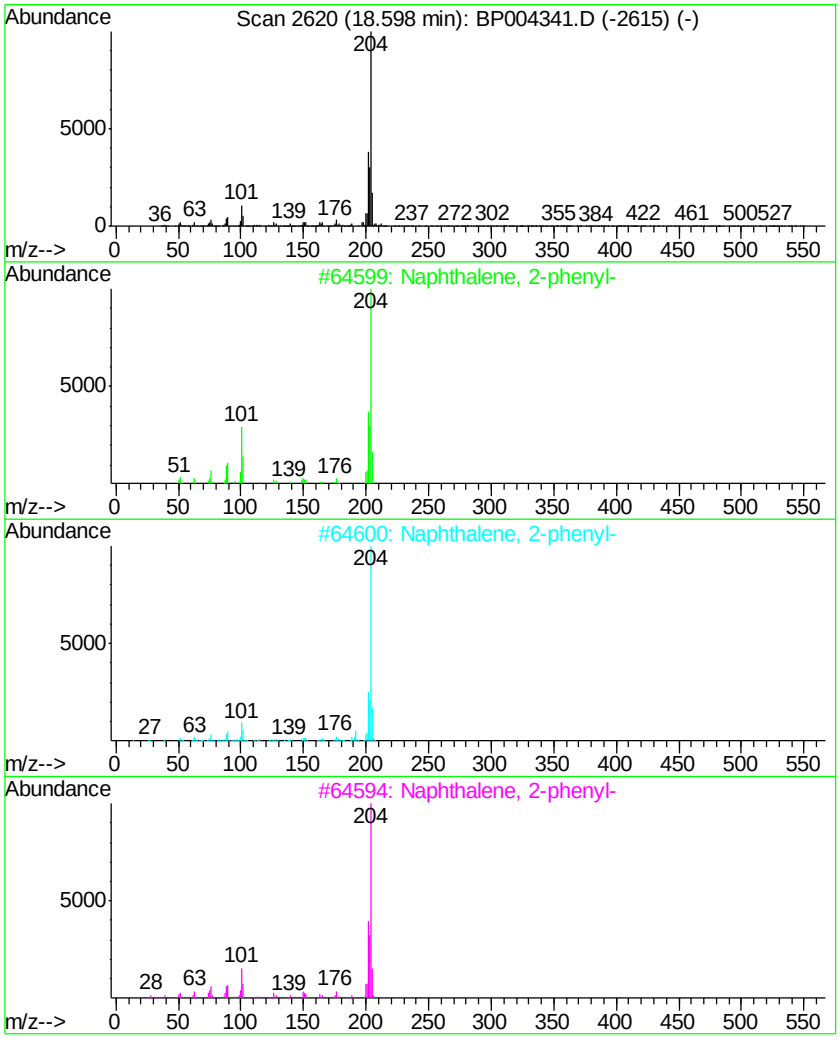
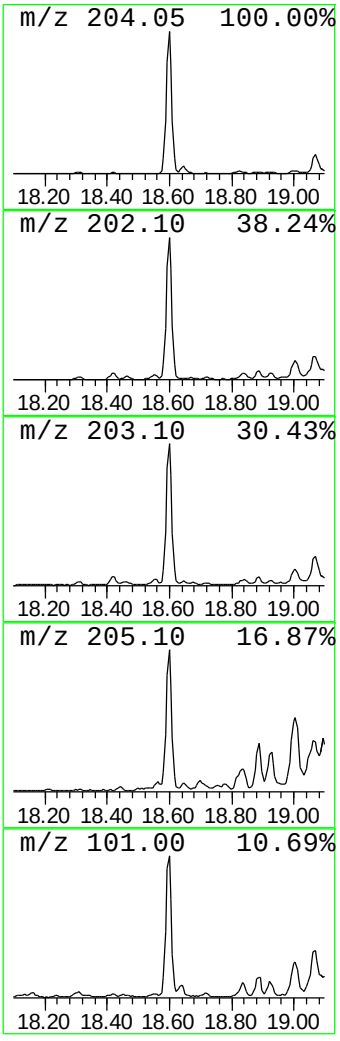
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	6.53 ng/ul	1205750	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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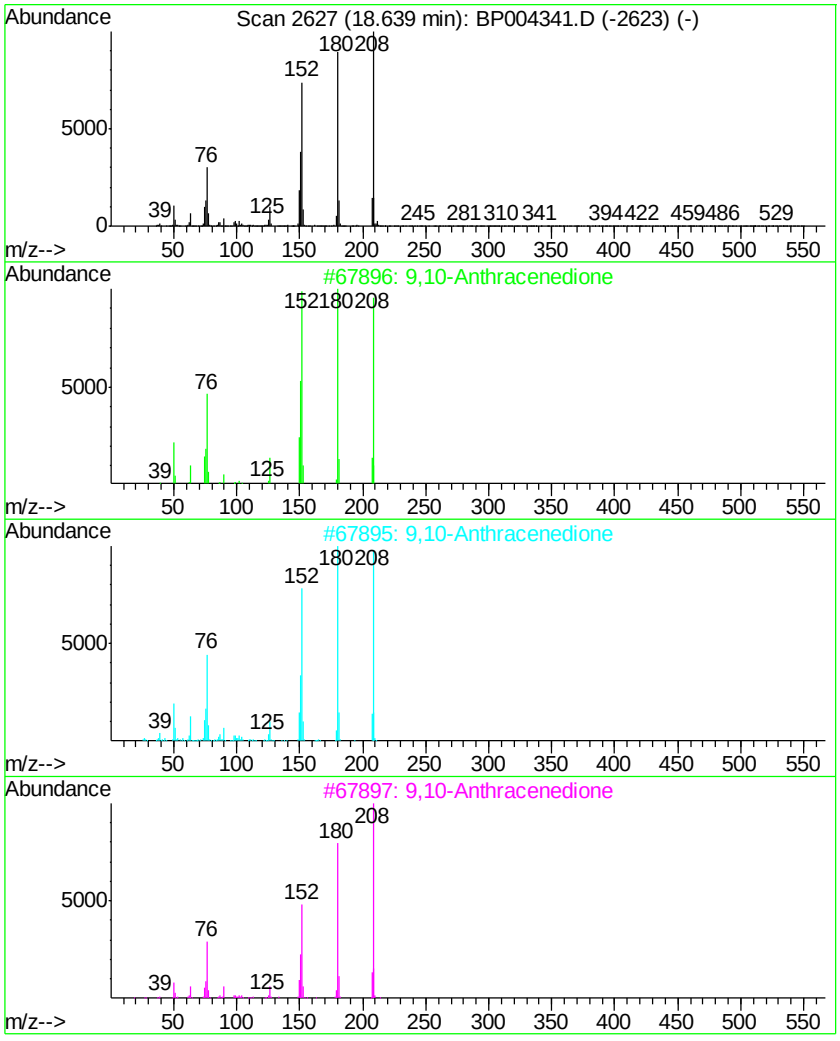
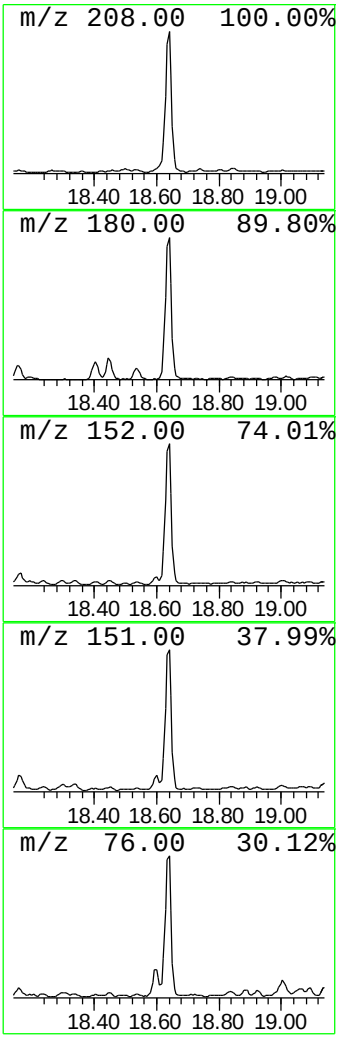
Peak Number 11 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	7.51 ng/ul	1385660	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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Quant Title : SVOA CALIBRATION

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

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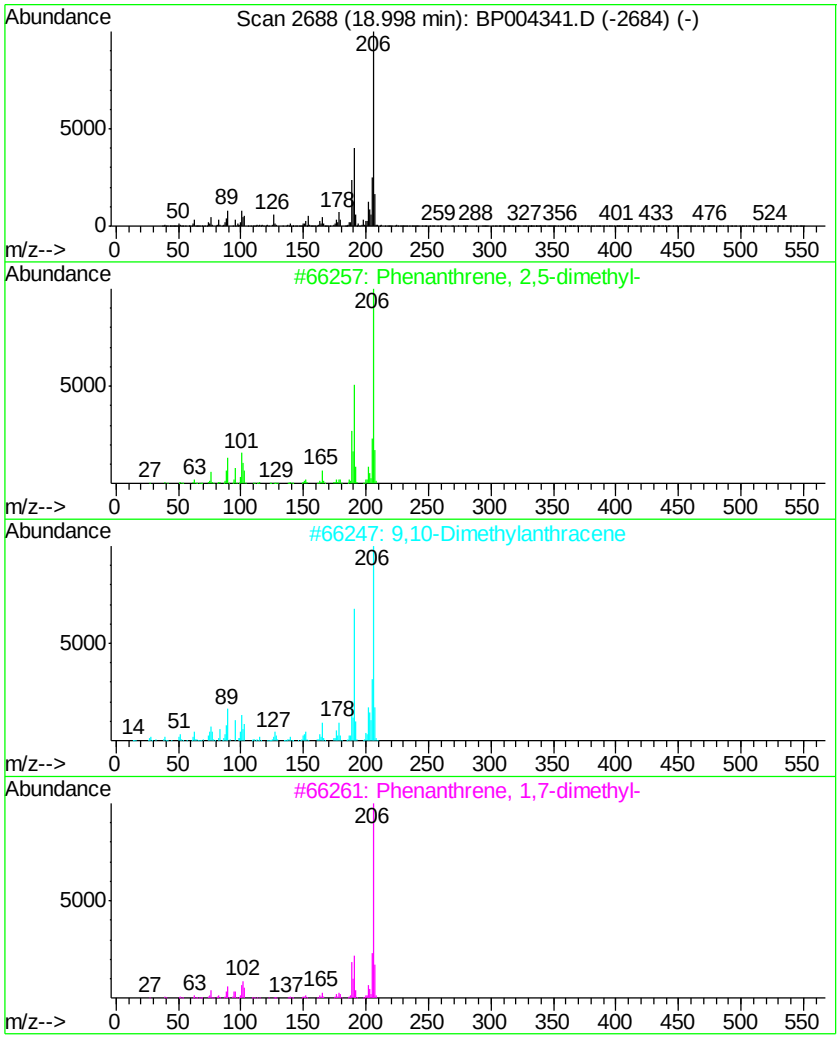
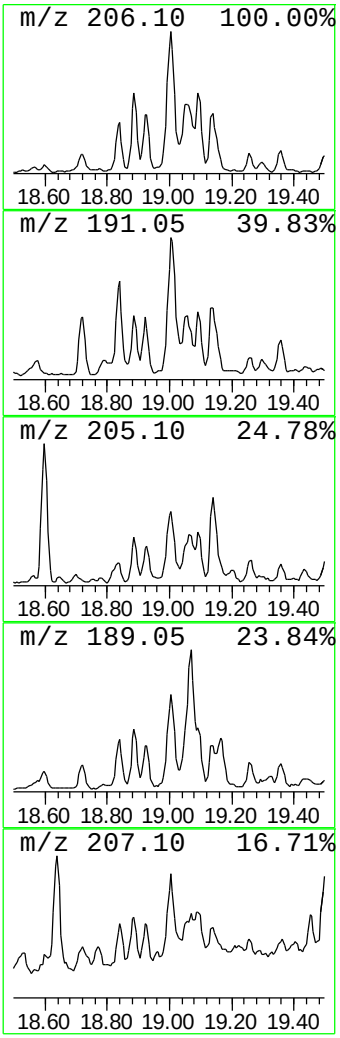
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	4.29 ng/ul	791694	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





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Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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Quant Title : SVOA CALIBRATION

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

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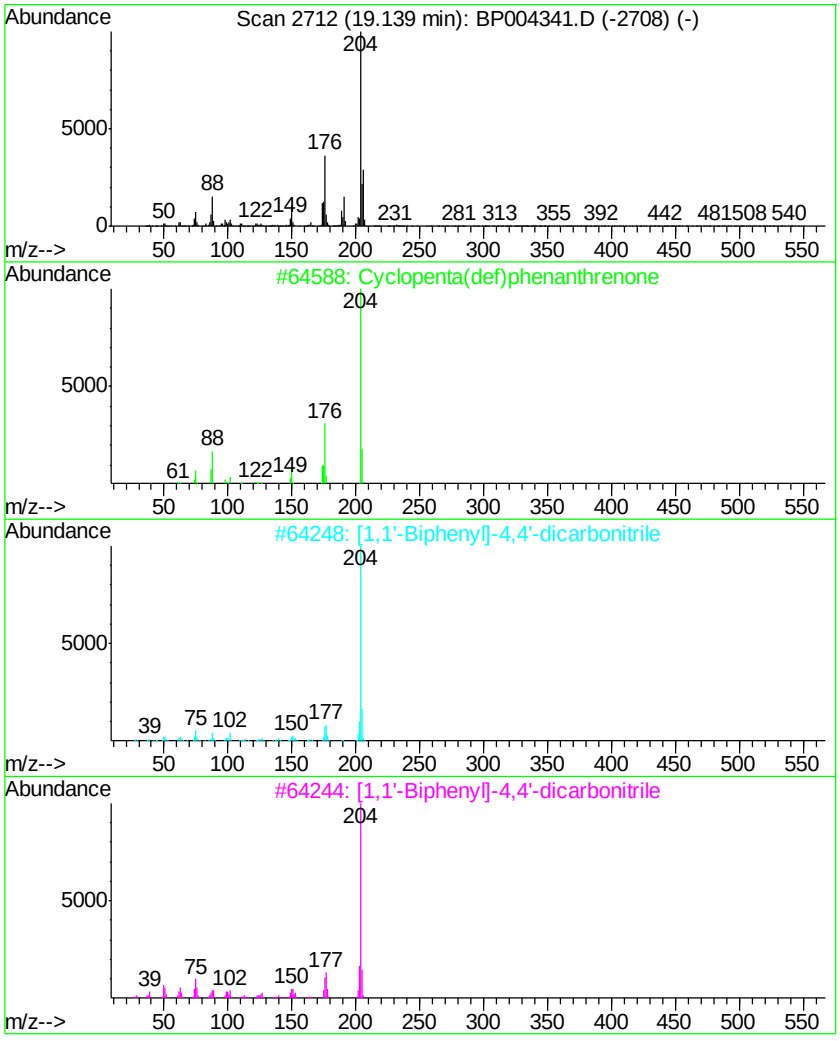
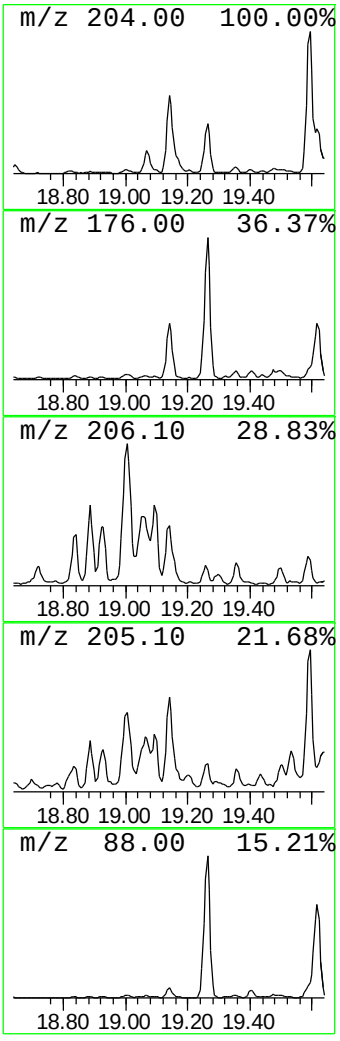
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	4.77 ng/ul	881000	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]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Misc :
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Instrument : BNA_P
ClientSampleId : A54E1

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Quant Title : SVOA CALIBRATION

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

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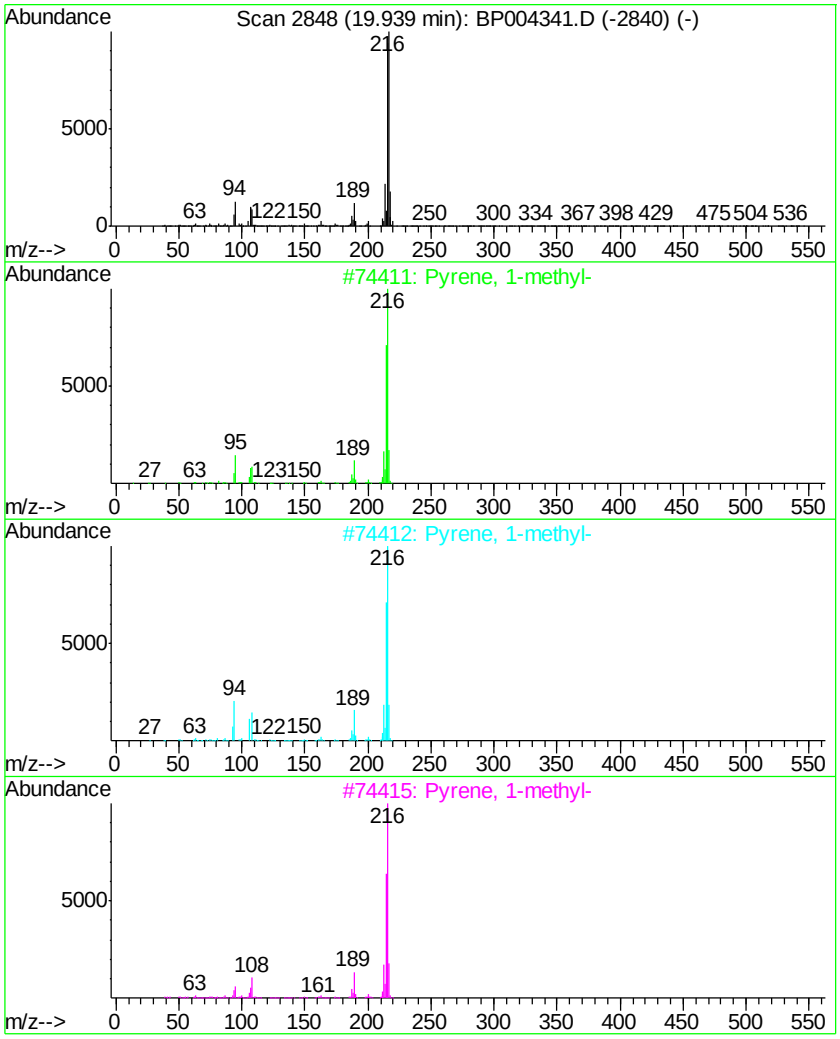
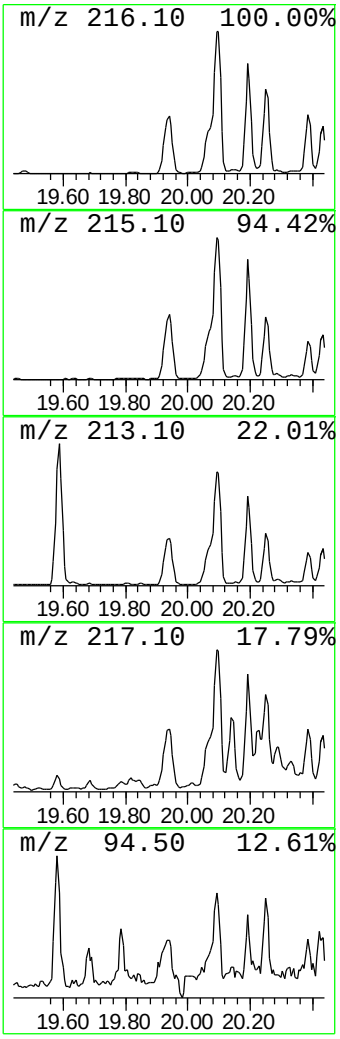
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.72 ng/ul	1920270	Chrysene-d12	21.34

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	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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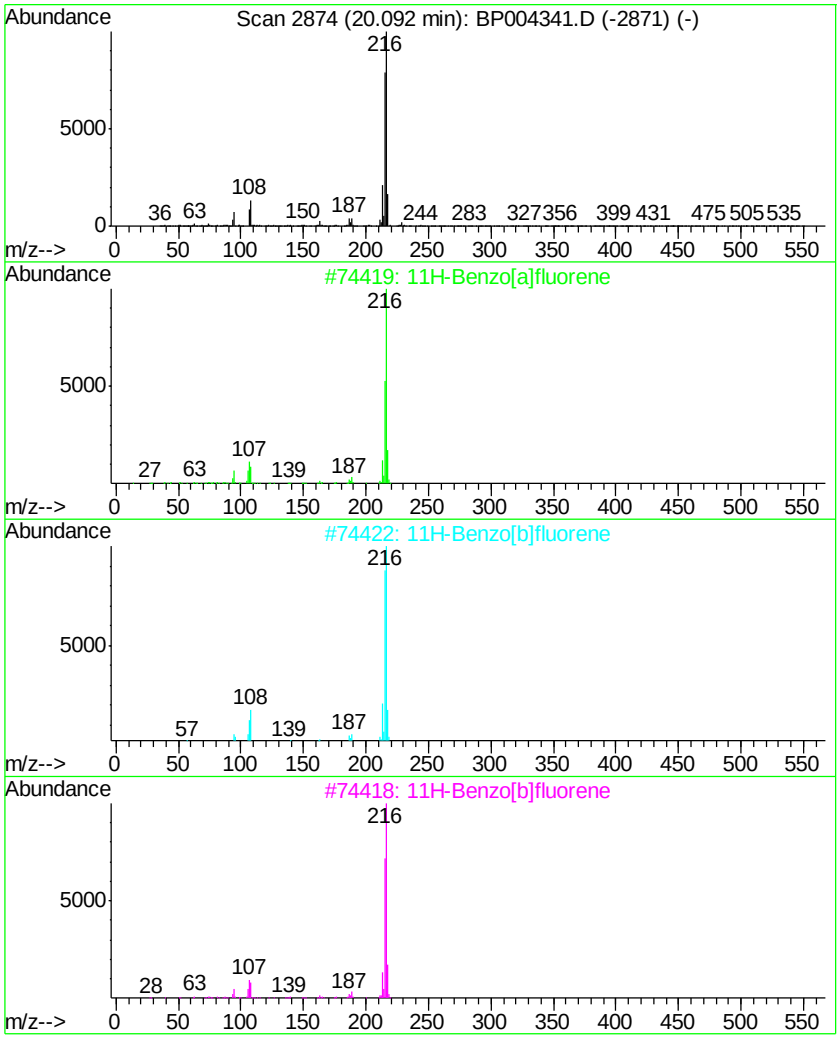
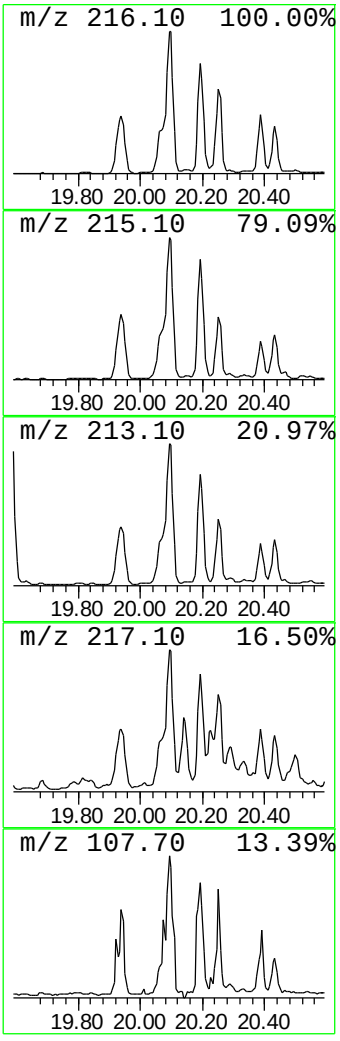
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	3.20 ng/ul	2260240	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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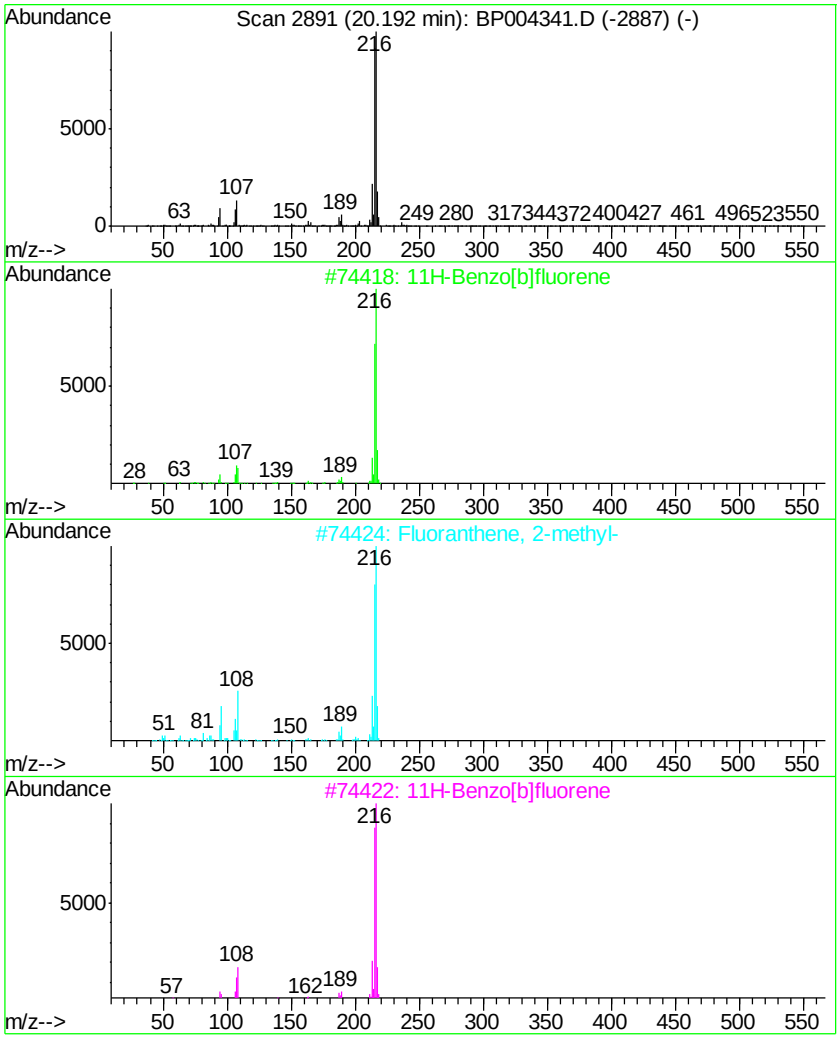
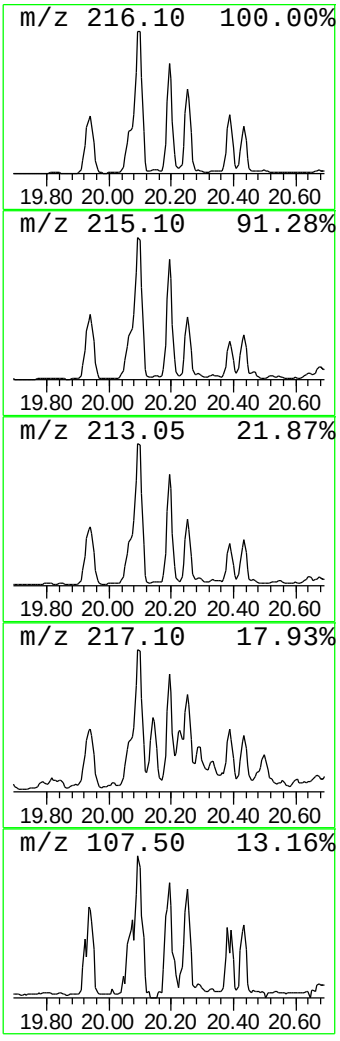
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.24 ng/ul	1582360	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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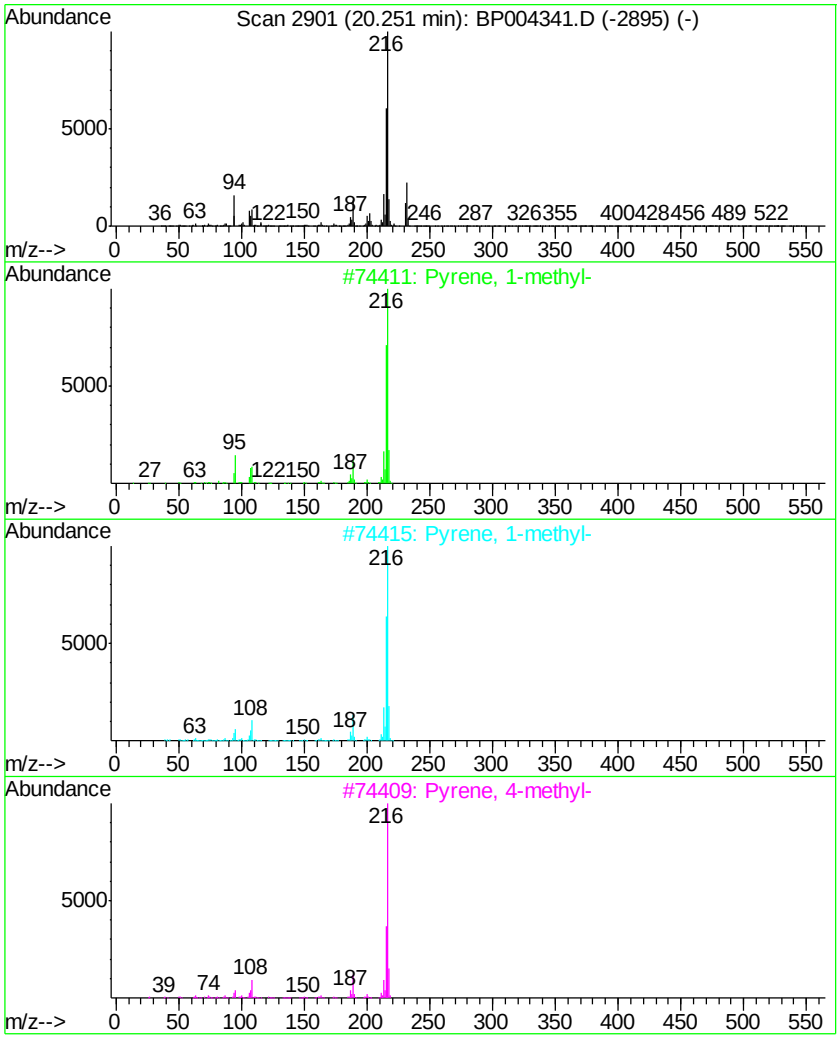
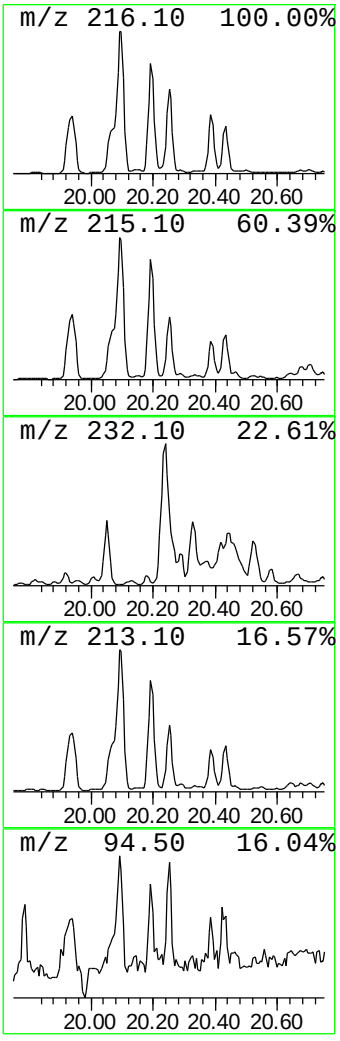
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.54 ng/ul	1792380	Chrysene-d12	21.34

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	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
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Instrument : BNA_P
ClientSampleId : A54E1

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

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

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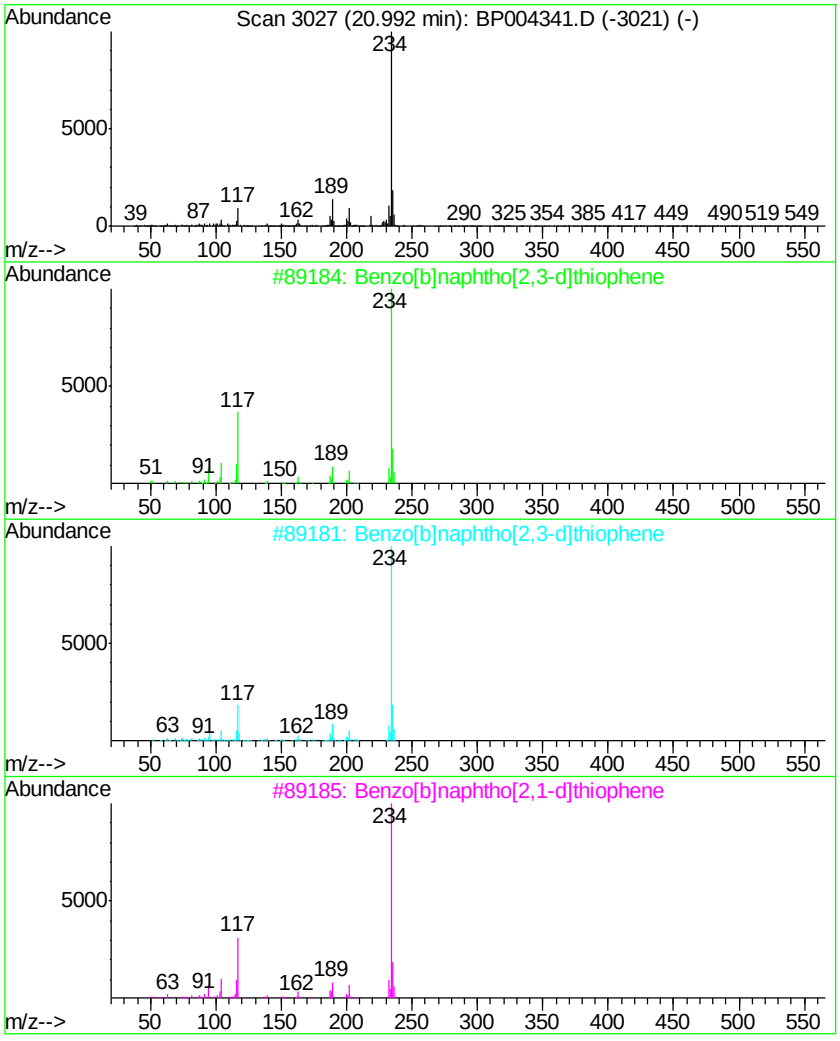
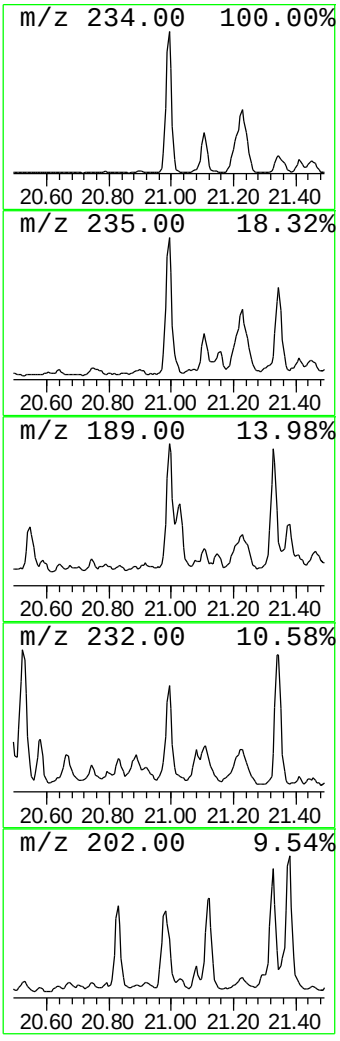
Peak Number 18 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.29 ng/ul	1615790	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
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[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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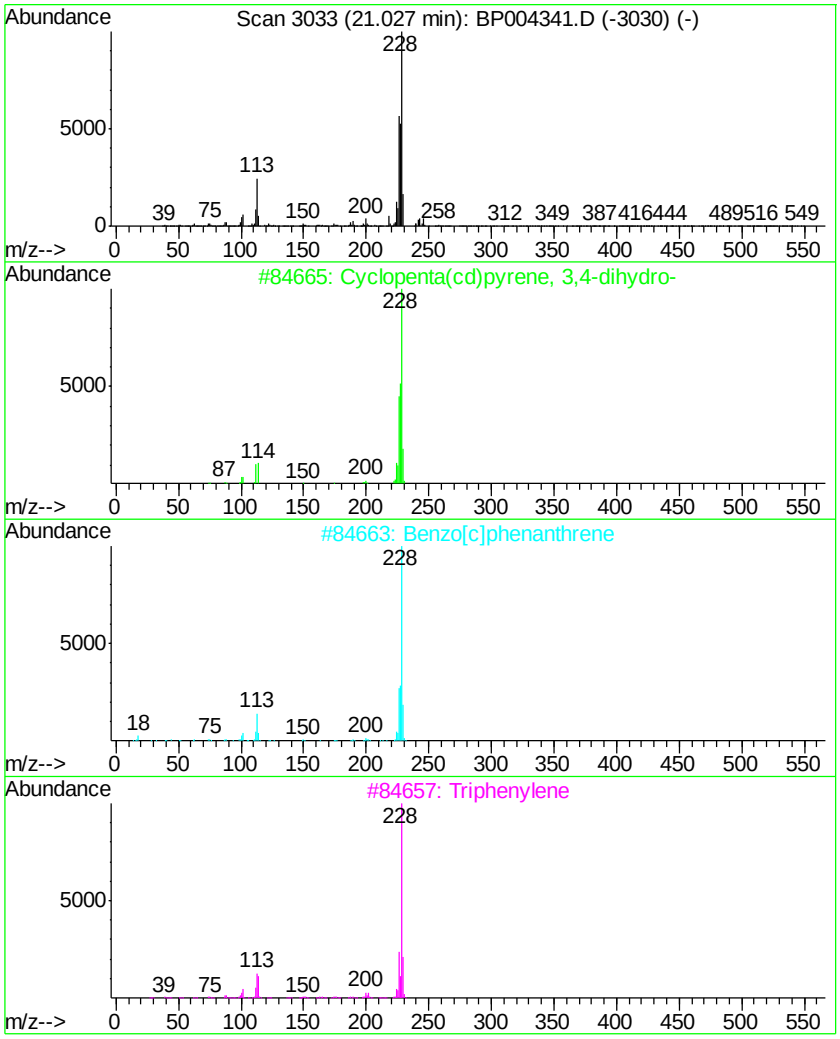
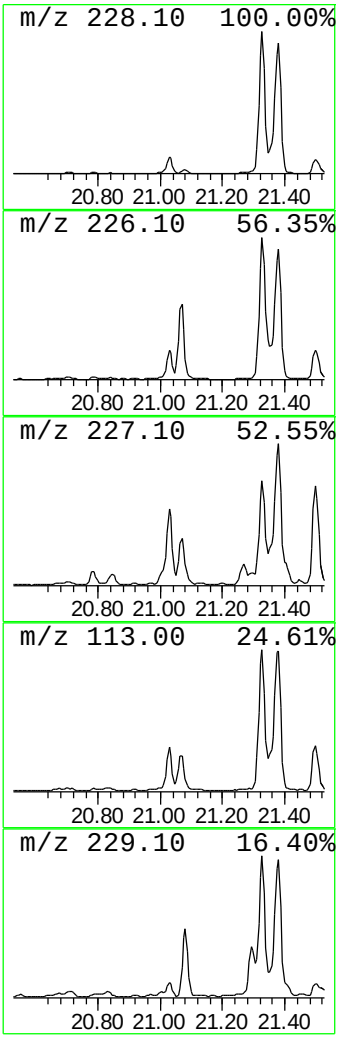
Peak Number 19 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	2.30 ng/ul	1623510	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
3	Triphenylene	228	C18H12	000217-59-4	50
4	Triphenylene	228	C18H12	000217-59-4	50
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





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Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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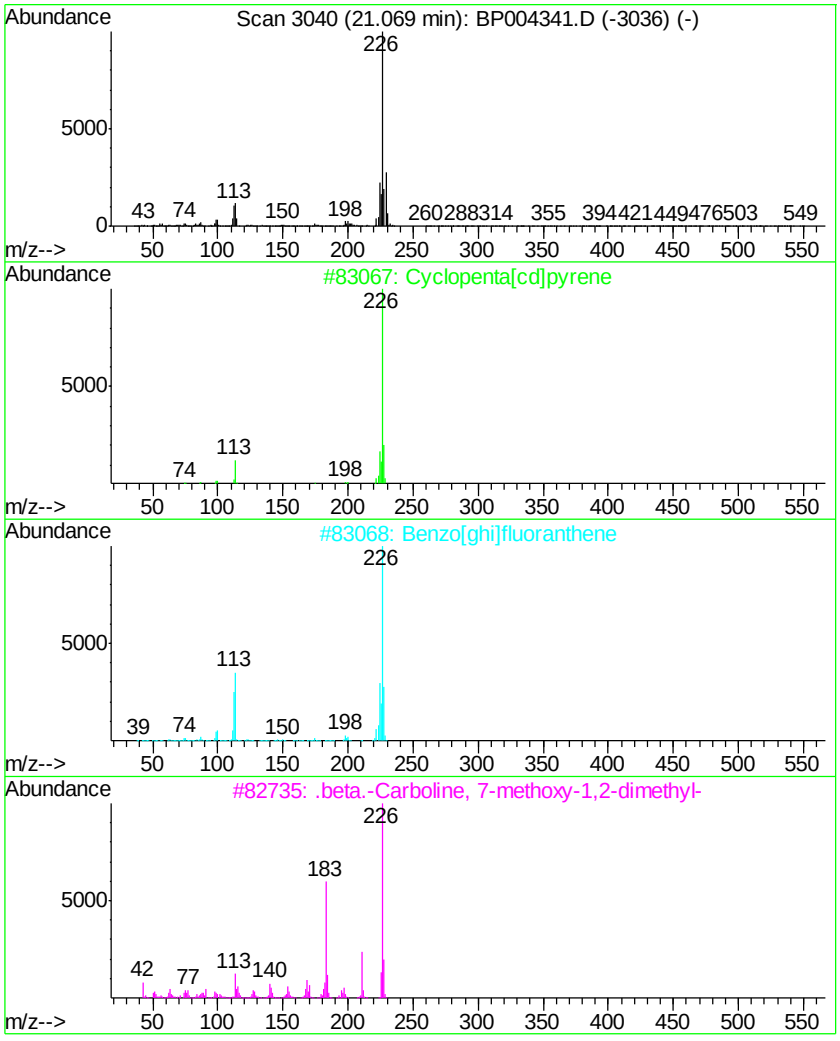
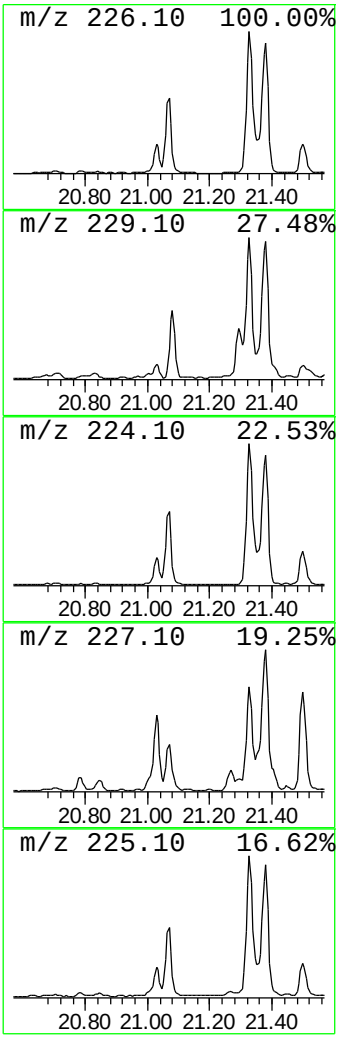
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	3.67 ng/ul	2590430	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	Benzene, 2-bromo-1,4-dichloro-	224	C6H3BrCl2	001435-50-3	40
5	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	40





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Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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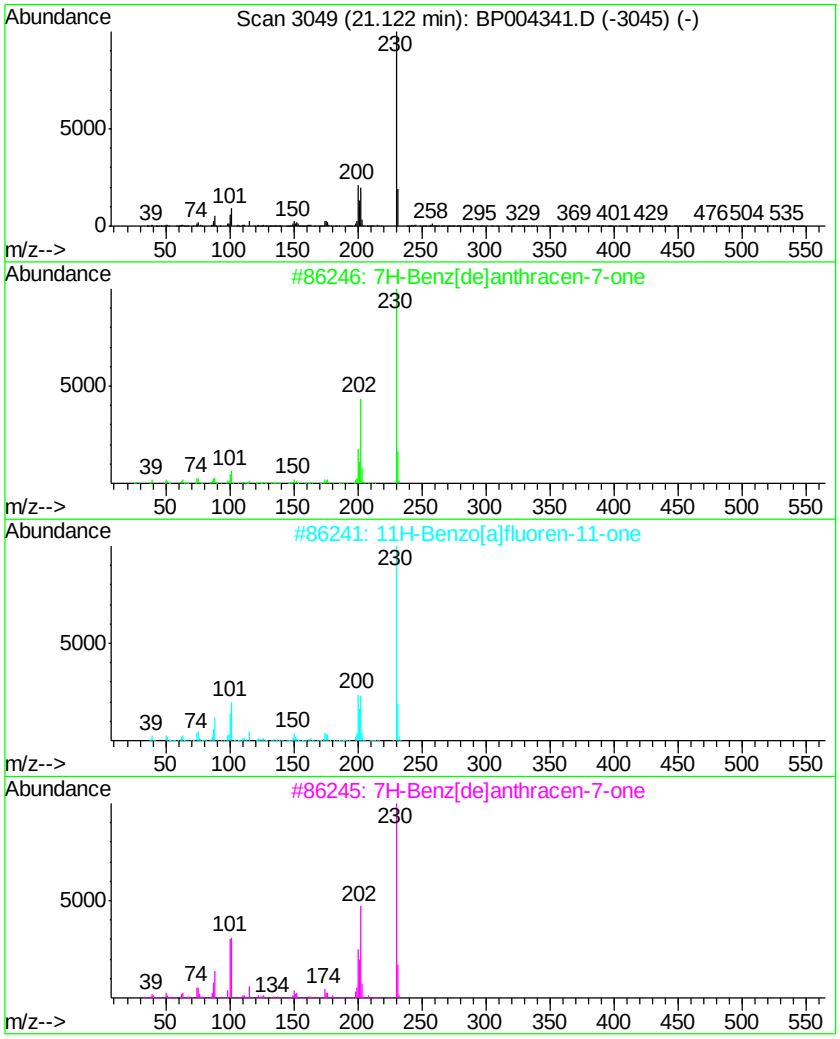
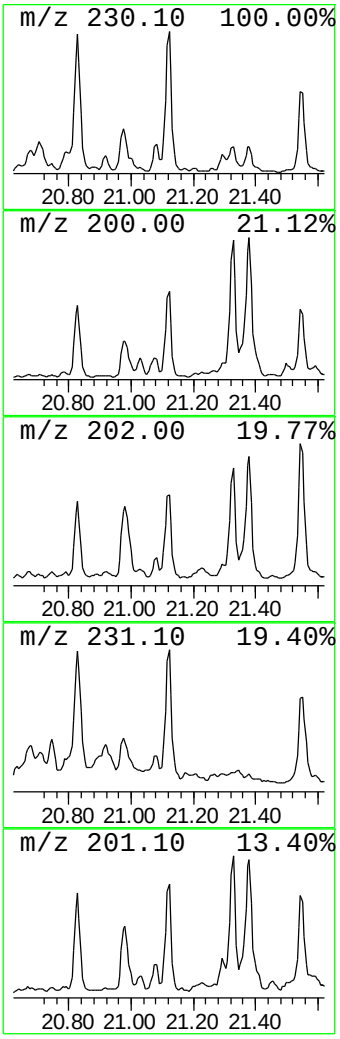
Peak Number 21 7H-Benz[de]anthracen-7-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.08 ng/ul	1466640	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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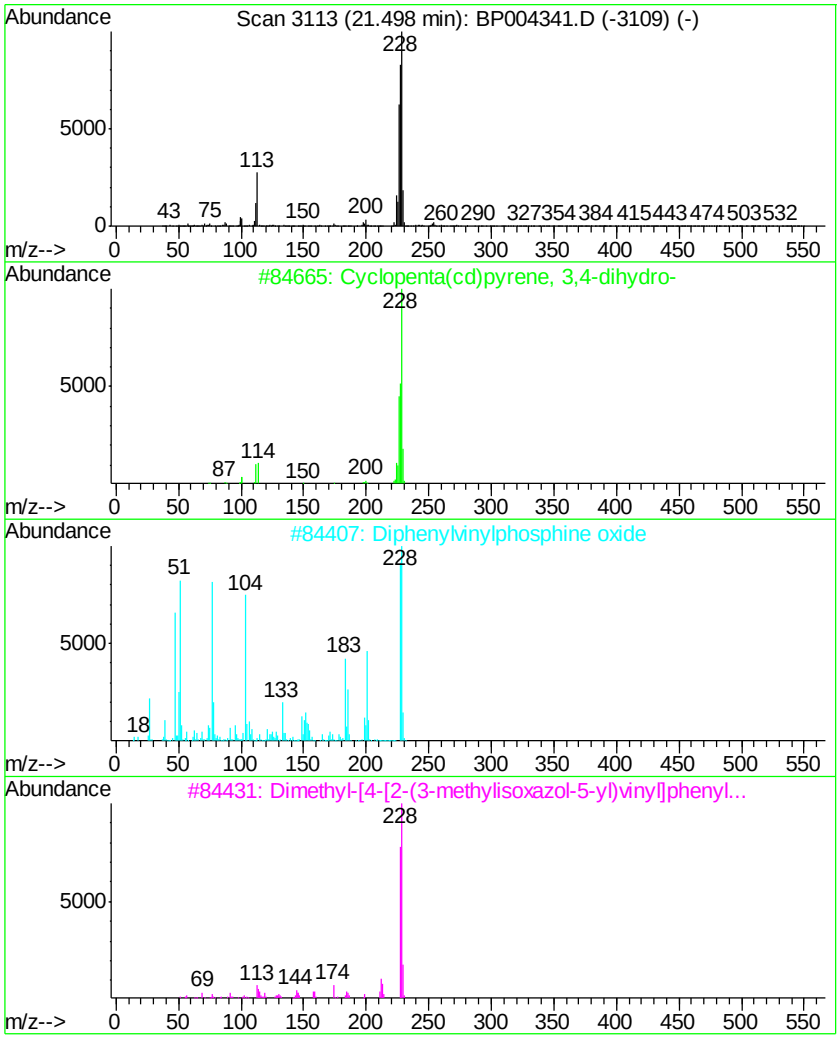
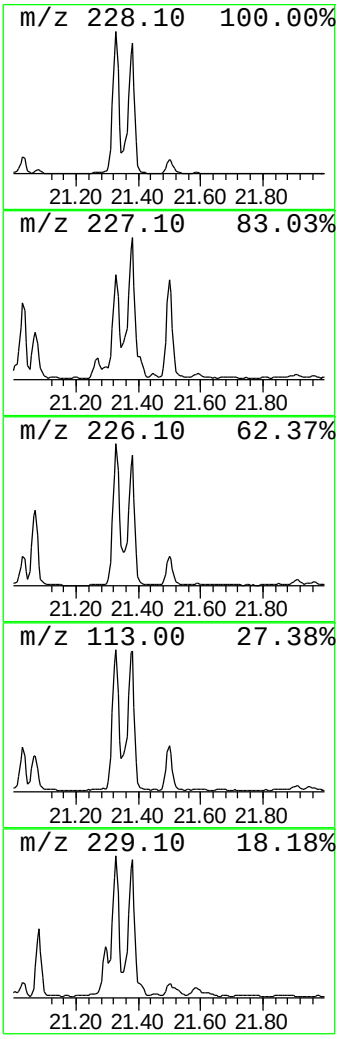
Peak Number 22 Diphenylvinylphosphine oxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	2.36 ng/ul	1665630	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





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Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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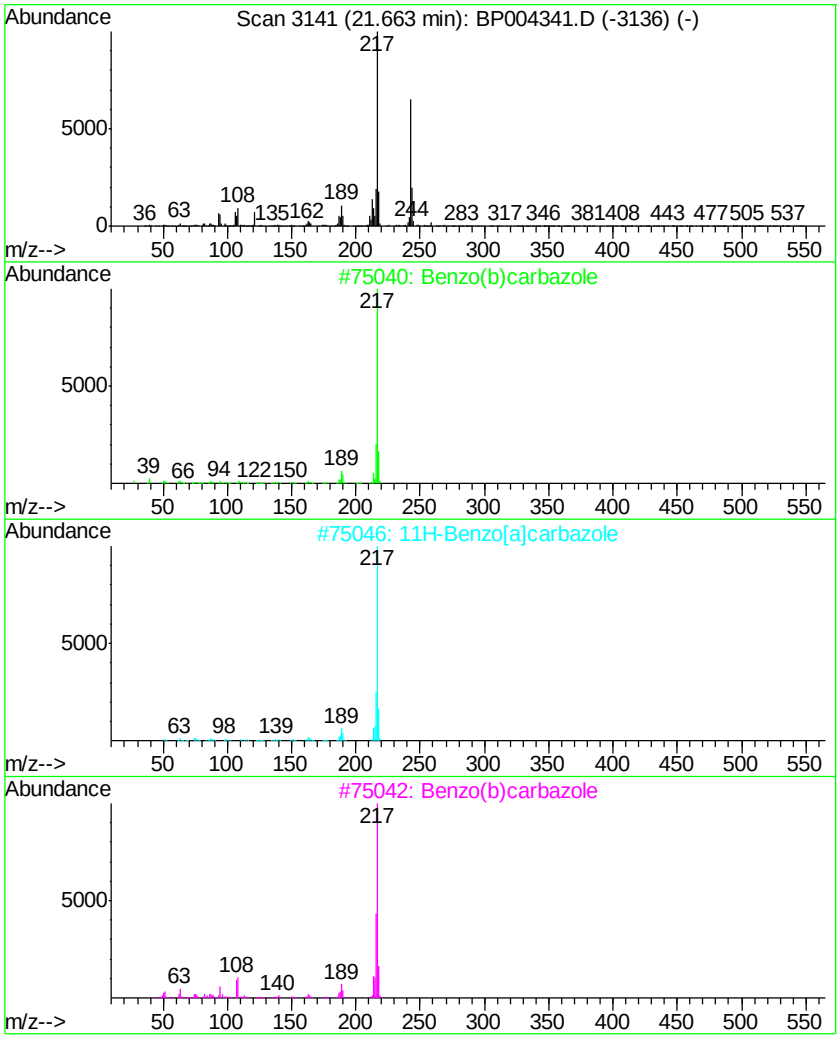
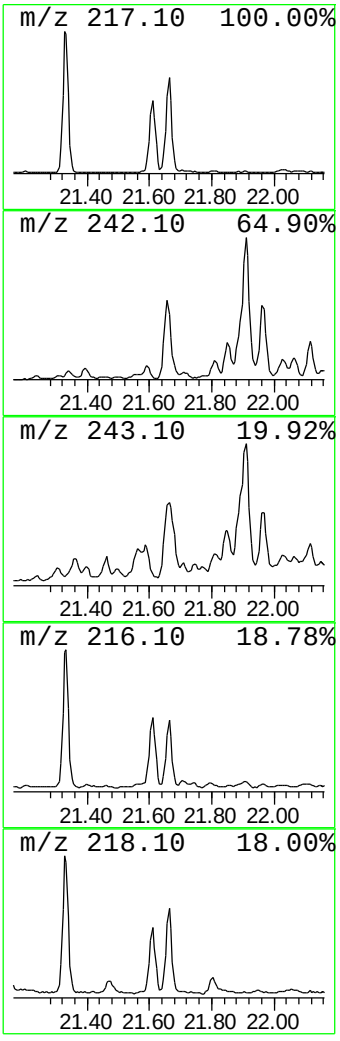
Peak Number 23 Benzo(b)carbazole Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	2.04 ng/ul	1437370	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	60
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	60
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	60
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	55
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	55





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Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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

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

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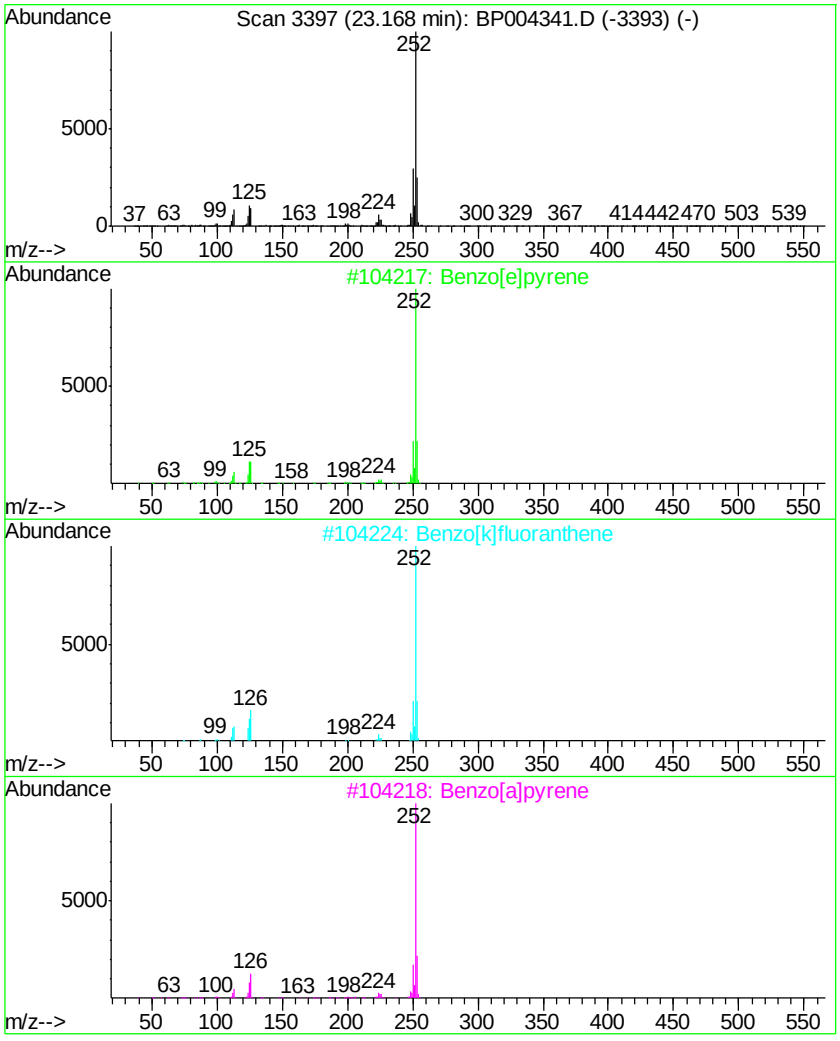
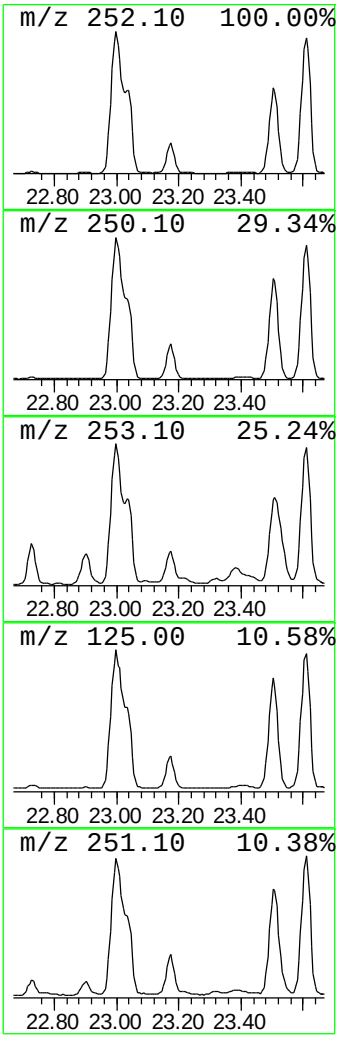
Peak Number 24 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	8.86 ng/ul	1922530	Perylene-d12	23.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87





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Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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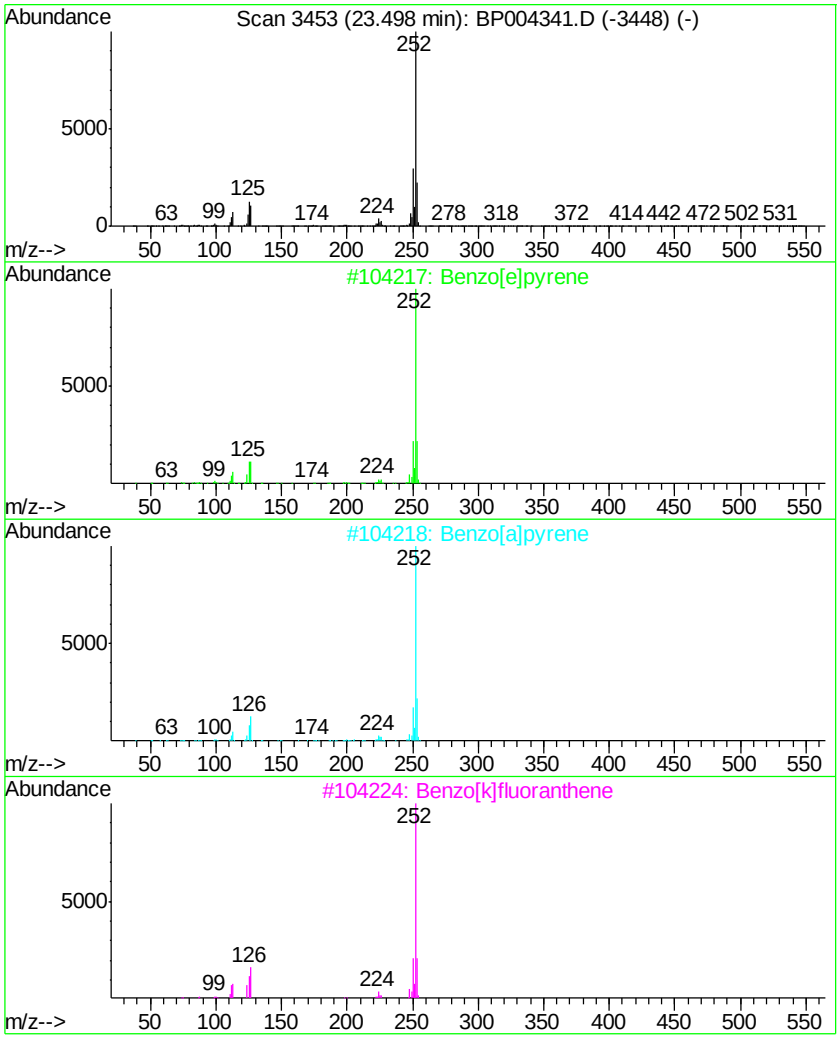
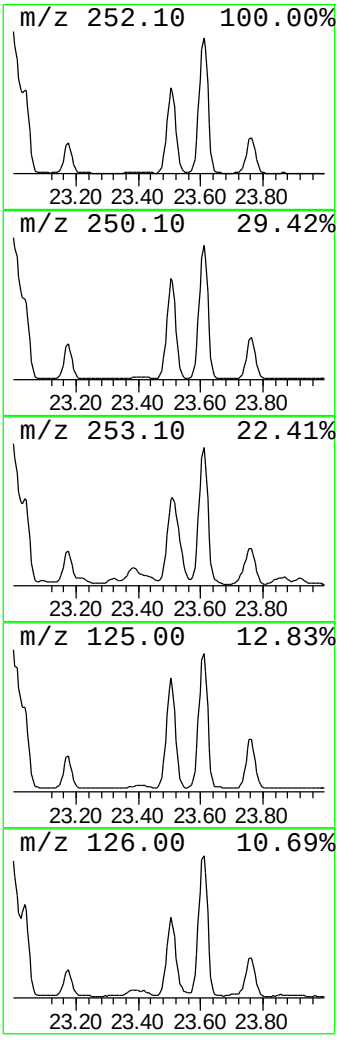
Peak Number 25 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	31.33 ng/ul	6794810	Perylene-d12	23.71

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	97
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	94





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Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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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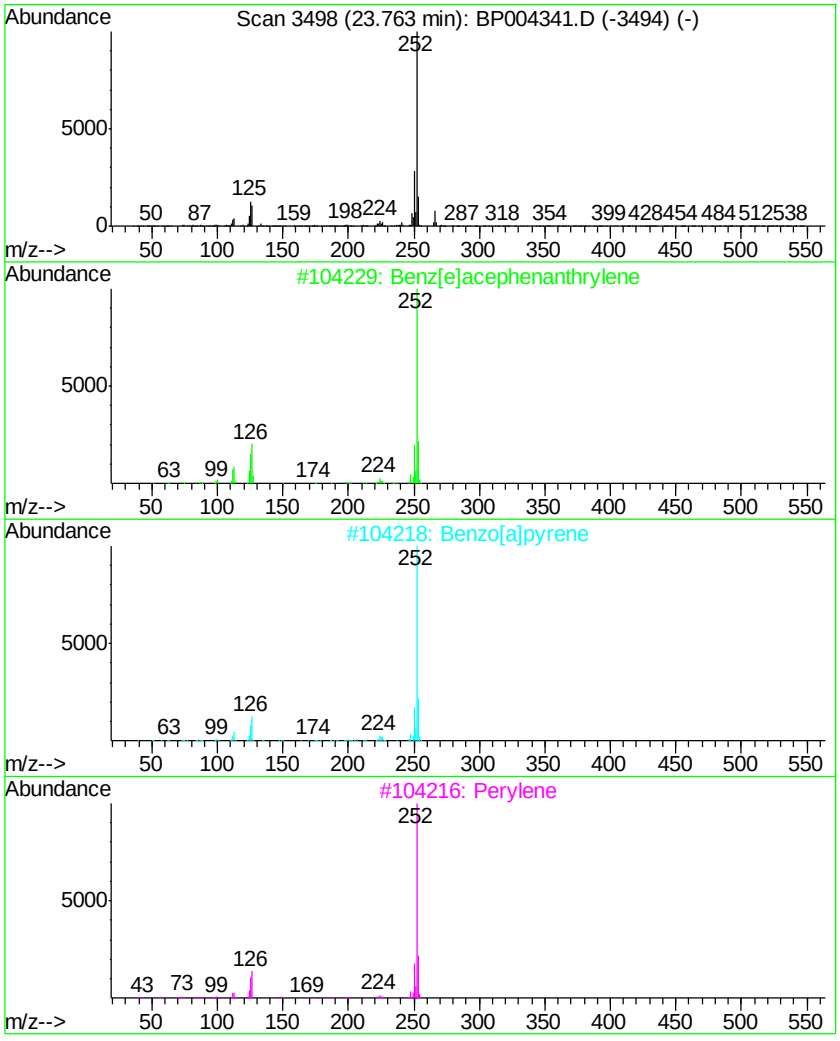
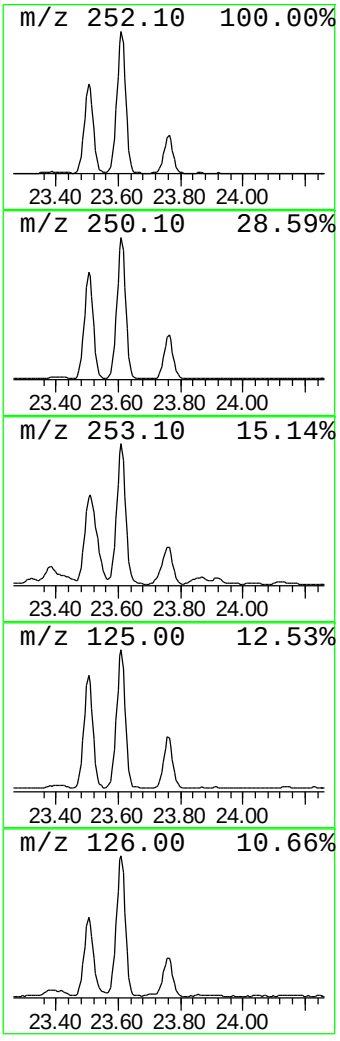
Peak Number 26 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.76	14.70 ng/ul	3188680	Perylene-d12	23.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Perylene	252	C20H12	000198-55-0	83
4	Benzo[e]pyrene	252	C20H12	000192-97-2	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121720\
Data File : BP004341.D
Acq On : 17 Dec 2020 15:24
Operator : CG/JU
Sample : L5067-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54E1

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
3-(2-Naphthyl)acr...	15.83	2.2	ng/ul	327301	3	14.48	3014620	20.0
Dibenzofuran, 4-m...	15.97	2.5	ng/ul	457373	4	17.25	3691410	20.0
8-Dimethylaminona...	16.97	2.4	ng/ul	450054	4	17.25	3691410	20.0
Dibenzothiophene	17.06	3.8	ng/ul	703148	4	17.25	3691410	20.0
Phenanthrene, 2-m...	18.12	7.5	ng/ul	1393720	4	17.25	3691410	20.0
Anthracene, 2-met...	18.16	10.1	ng/ul	1857370	4	17.25	3691410	20.0
1H-Cyclopropa[l]p...	18.24	3.0	ng/ul	543785	4	17.25	3691410	20.0
4H-Cyclopenta[def...	18.30	14.5	ng/ul	2668160	4	17.25	3691410	20.0
Naphthalene, 2-ph...	18.60	6.5	ng/ul	1205750	4	17.25	3691410	20.0
9,10-Anthracenedione	18.64	7.5	ng/ul	1385660	4	17.25	3691410	20.0
Phenanthrene, 2,5...	19.00	4.3	ng/ul	791694	4	17.25	3691410	20.0
Cyclopenta(def)ph...	19.14	4.8	ng/ul	881000	4	17.25	3691410	20.0
Pyrene, 1-methyl-	19.94	2.7	ng/ul	1920270	5	21.34	14111500	20.0
11H-Benzo[a]fluorene	20.09	3.2	ng/ul	2260240	5	21.34	14111500	20.0
Fluoranthene, 2-m...	20.19	2.2	ng/ul	1582360	5	21.34	14111500	20.0
Pyrene, 4-methyl-	20.25	2.5	ng/ul	1792380	5	21.34	14111500	20.0
Benzo[b]naphtho[2...	20.99	2.3	ng/ul	1615790	5	21.34	14111500	20.0
Cyclopenta(cd)pyr...	21.03	2.3	ng/ul	1623510	5	21.34	14111500	20.0
Cyclopenta[cd]pyrene	21.07	3.7	ng/ul	2590430	5	21.34	14111500	20.0
7H-Benz[de]anthra...	21.12	2.1	ng/ul	1466640	5	21.34	14111500	20.0
Diphenylvinylphos...	21.50	2.4	ng/ul	1665630	5	21.34	14111500	20.0
Benzo(b)carbazole	21.66	2.0	ng/ul	1437370	5	21.34	14111500	20.0
Benzo[e]pyrene	23.17	8.9	ng/ul	1922530	6	23.71	4337460	20.0
Perylene	23.50	31.3	ng/ul	6794810	6	23.71	4337460	20.0
unknown-01	23.76	14.7	ng/ul	3188680	6	23.71	4337460	20.0