LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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	7.654	631	641	656	rVB	77841	156950	3.61%	0.418%
2	7.830	664	671	685	rBV	61765	108432	2.49%	0.289%
3	8.053	701	709	718	rBV	75049	139874	3.22%	0.372%
4	8.518	781	788	800	rVB	133373	240079	5.52%	0.639%
5	9.193	892	903	912	rVV2	98662	183857	4.23%	0.490%
6	9.681	974	986	994	rBV	74882	146167	3.36%	0.389%
7	10.404	1101	1109	1117	rBV	65097	122447	2.82%	0.326%
8	10.944	1191	1201	1216	rVB	100425	191075	4.39%	0.509%
9	11.338	1260	1268	1275	rBV	219644	418119	9.62%	1.113%
10	11.461	1282	1289	1305	rVB	69338	141738	3.26%	0.377%
11	14.487	1798	1804	1808	rVV	208608	317432	7.30%	0.845%
12	14.534	1808	1812	1818	rVV	73294	112965	2.60%	0.301%
13	14.798	1850	1857	1879	rBV	206862	421930	9.70%	1.124%
14	15.104	1903	1909	1916	rVV2	347026	596117	13.71%	1.587%
15	15.274	1927	1938	1950	rBV	58873	118855	2.73%	0.316%
16	16.091	2064	2077	2083	rBV	296847	483494	11.12%	1.287%
17	16.191	2089	2094	2101	rVB	79515	122446	2.82%	0.326%
18	16.784	2186	2195	2199	rBV4	28570	67419	1.55%	0.180%
19	17.501	2311	2317	2324	rBV2	29099	64462	1.48%	0.172%
20	17.854	2369	2377	2381	rBV2	435053	735997	16.93%	1.960%
21	17.895	2381	2384	2389	rVV	302770	437337	10.06%	1.165%
22	17.954	2389	2394	2406	rVB3	294611	561907	12.92%	1.496%
23	18.253	2437	2445	2460	rBV5	45857	167930	3.86%	0.447%
24	18.694	2515	2520	2521	rBV3	51369	70501	1.62%	0.188%
25	18.717	2521	2524	2528	rVV	65827	111564	2.57%	0.297%
26	18.770	2528	2533	2538	rVB2	79768	125515	2.89%	0.334%
27	18.847	2542	2546	2551	rVB2	30900	48803	1.12%	0.130%
28	18.911	2551	2557	2562	rBV3	84665	199805	4.60%	0.532%
29	19.205	2602	2607	2611	rBV2	62809	103641	2.38%	0.276%
30	19.252	2611	2615	2624	rVB2	89880	142722	3.28%	0.380%
31	19.446	2640	2648	2653	rBV7	28394	65776	1.51%	0.175%
32	19.622	2671	2678	2683	rBV3	80924	179413	4.13%	0.478%
33	19.763	2697	2702	2711	rVB	126562	224002	5.15%	0.596%
34	19.887	2712	2723	2729	rVV	1180842	1877757	43.18%	5.000%

LSC Area Percent Report

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Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

35	19.939	2729	2732	2735	rVV3	49516	78169	1.80%	0.208%
36	19.975	2735	2738	2743	rVB3	50687	78970	1.82%	0.210%
37	20.216	2773	2779	2782	rBV2	358271	686087	15.78%	1.827%
38	20.251	2782	2785	2791	rVV	707033	1014419	23.33%	2.701%
39	20.310	2791	2795	2801	rVB2	95595	162213	3.73%	0.432%
40	20.421	2802	2814	2818	rBV2	98433	209005	4.81%	0.557%
41	20.492	2818	2826	2831	rVB2	92584	201224	4.63%	0.536%
42	20.568	2831	2839	2845	rBV5	189403	461738	10.62%	1.230%
43	20.645	2846	2852	2855	rVV5	35839	71639	1.65%	0.191%
44	20.721	2855	2865	2872	rVB5	202971	696611	16.02%	1.855%
45	20.838	2879	2885	2887	rBV4	53273	94018	2.16%	0.250%
46	20.897	2887	2895	2899	rVV2	167678	392020	9.02%	1.044%
47	20.938	2899	2902	2904	rVB2	36989	44501	1.02%	0.118%
48	20.974	2905	2908	2915	rVB3	51111	79045	1.82%	0.210%
49	21.050	2915	2921	2925	rBV	135946	258352	5.94%	0.688%
50	21.097	2925	2929	2937	rVB3	95495	193265	4.44%	0.515%
51	21.185	2940	2944	2962	rVB9	68822	245754	5.65%	0.654%
52	21.320	2962	2967	2970	rBV3	62334	123876	2.85%	0.330%
53	21.361	2970	2974	2982	rVB7	51795	116154	2.67%	0.309%
54	21.496	2994	2997	3002	rBV4	43353	77028	1.77%	0.205%
55	21.555	3002	3007	3015	rVV	305135	542906	12.49%	1.446%
56	21.661	3022	3025	3032	rVB4	49803	86139	1.98%	0.229%
57	21.761	3032	3042	3047	rVV3	197881	609689	14.02%	1.623%
58	21.808	3047	3050	3055	rVV	183758	327422	7.53%	0.872%
59	21.867	3055	3060	3065	rVV2	203302	428286	9.85%	1.140%
60	21.925	3065	3070	3083	rVB	237536	527472	12.13%	1.405%
61	22.066	3084	3094	3102	rBV4	71368	247824	5.70%	0.660%
62	22.213	3106	3119	3127	rBV2	930791	3132203	72.03%	8.340%
63	22.284	3127	3131	3145	rVB	845095	1861783	42.82%	4.958%
64	22.390	3146	3149	3155	rVB6	58795	106876	2.46%	0.285%
65	22.460	3155	3161	3167	rBV4	75256	178148	4.10%	0.474%
66	22.536	3168	3174	3191	rVB4	102025	486624	11.19%	1.296%
67	22.677	3193	3198	3204	rBV5	59324	147883	3.40%	0.394%
68	22.754	3206	3211	3224	rVB6	94792	286591	6.59%	0.763%
69	22.895	3226	3235	3239	rBV9	33229	104241	2.40%	0.278%
70	22.959	3240	3246	3250	rVV3	58677	138791	3.19%	0.370%
71	23.048	3250	3261	3269	rVV2	223143	732836	16.85%	1.951%

LSC Area Percent Report

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Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

72	23.130	3269	3275	3283	rVB3	155100	393222	9.04%	1.047%
73	23.230	3286	3292	3298	rBV3	62935	142862	3.29%	0.380%
74	23.359	3308	3314	3333	rVB5	126570	485691	11.17%	1.293%
75	23.518	3334	3341	3347	rVB4	73458	177505	4.08%	0.473%
76	23.806	3383	3390	3395	rBV3	65632	158699	3.65%	0.423%
77	24.005	3418	3424	3427	rBV3	27826	65761	1.51%	0.175%
78	24.287	3462	3472	3492	rVB4	112295	540512	12.43%	1.439%
79	24.487	3497	3506	3516	rVV3	50610	180121	4.14%	0.480%
80	24.581	3516	3522	3530	rVB3	40123	102656	2.36%	0.273%
81	24.734	3534	3548	3556	rBV2	1102330	4348178	100.00%	11.578%
82	24.916	3577	3579	3587	rVB2	51004	92537	2.13%	0.246%
83	25.016	3587	3596	3610	rBV	145656	434644	10.00%	1.157%
84	25.245	3626	3635	3650	rBV2	84624	462908	10.65%	1.233%
85	25.551	3679	3687	3697	rBV2	74331	291037	6.69%	0.775%
86	25.715	3707	3715	3730	rVB2	149158	545016	12.53%	1.451%
87	25.891	3731	3745	3756	rVV2	226495	871265	20.04%	2.320%
88	26.015	3760	3766	3775	rVB7	65601	209160	4.81%	0.557%
89	26.655	3869	3875	3885	rVB10	17172	56520	1.30%	0.151%
90	26.890	3909	3915	3929	rVB9	31125	113802	2.62%	0.303%
91	27.149	3943	3959	3969	rBV3	89764	336898	7.75%	0.897%
92	27.466	4007	4013	4037	rVB3	26633	139576	3.21%	0.372%
93	28.218	4136	4141	4158	rVB3	18666	82143	1.89%	0.219%
94	28.694	4214	4222	4233	rBV5	34004	141071	3.24%	0.376%
95	28.817	4234	4243	4254	rVB7	29668	129690	2.98%	0.345%
96	29.593	4347	4375	4399	rBV4	67117	638738	14.69%	1.701%
97	30.098	4448	4461	4486	rVB4	139513	1018187	23.42%	2.711%
98	30.363	4492	4506	4524	rVB8	55796	304383	7.00%	0.811%
99	30.633	4534	4552	4569	rBV4	74350	497812	11.45%	1.326%
100	30.827	4573	4585	4589	rBV5	42071	157617	3.62%	0.420%

Sum of corrected areas: 37554541

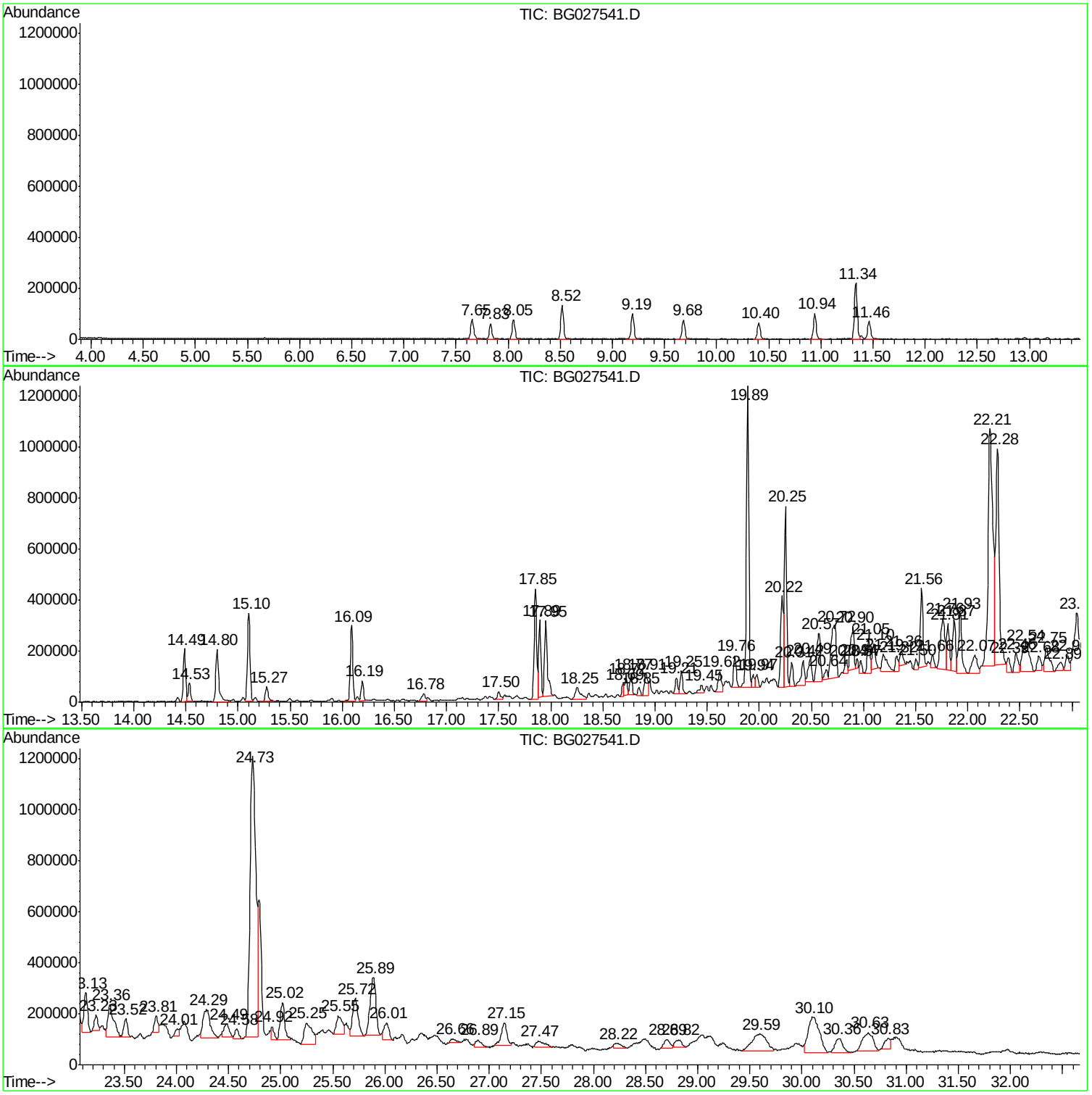
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

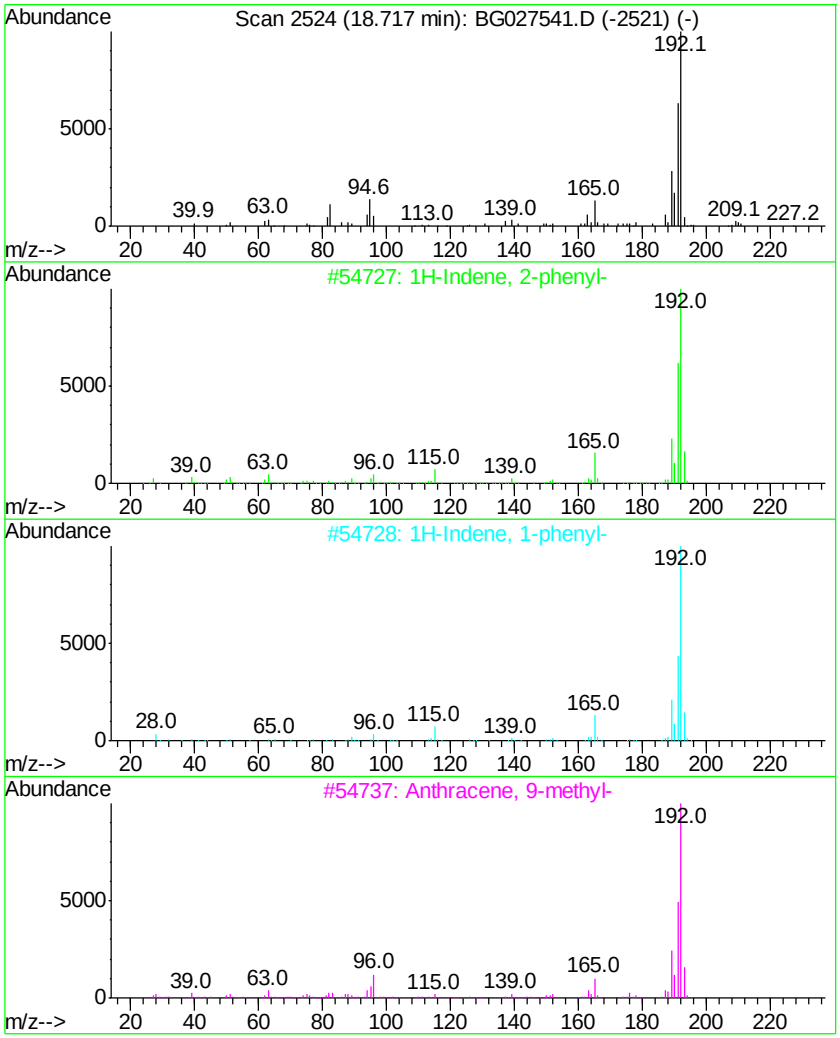
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

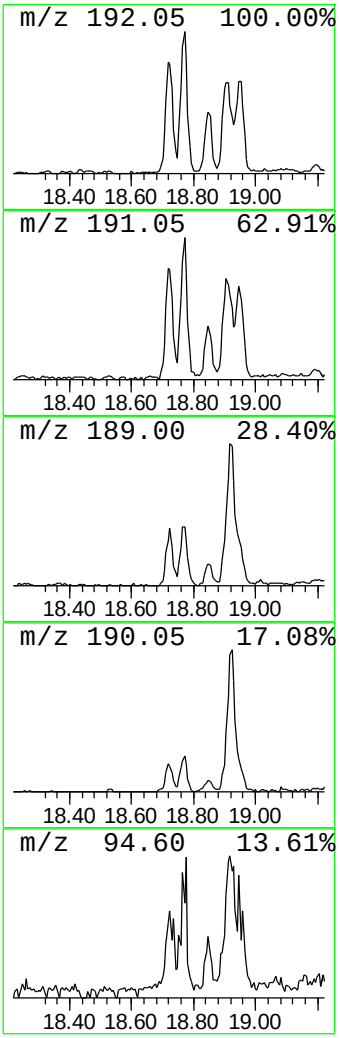
****

Peak Number 1 1H-Indene, 2-phenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.03 ng/ul	111564	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	68
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

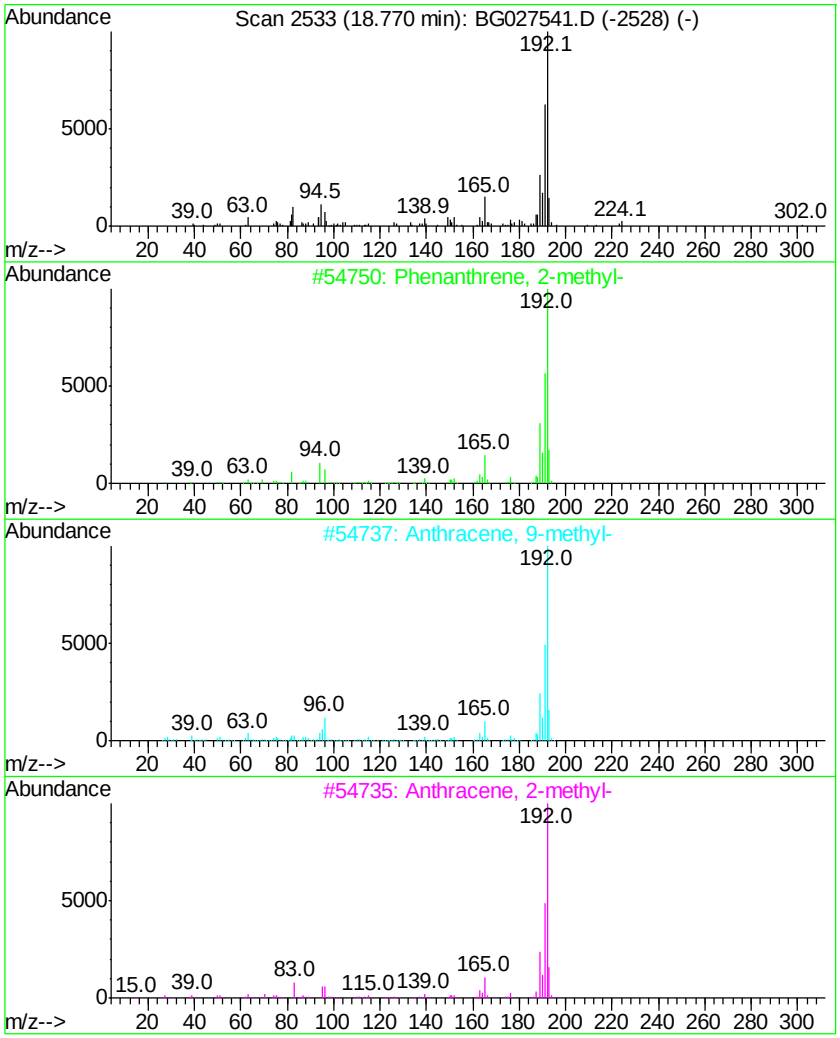
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

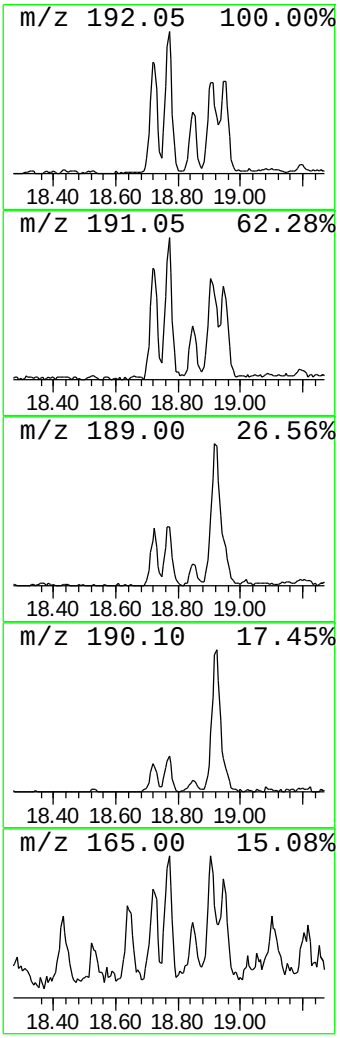
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	3.41 ng/ul	125515	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : I3599-07
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Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

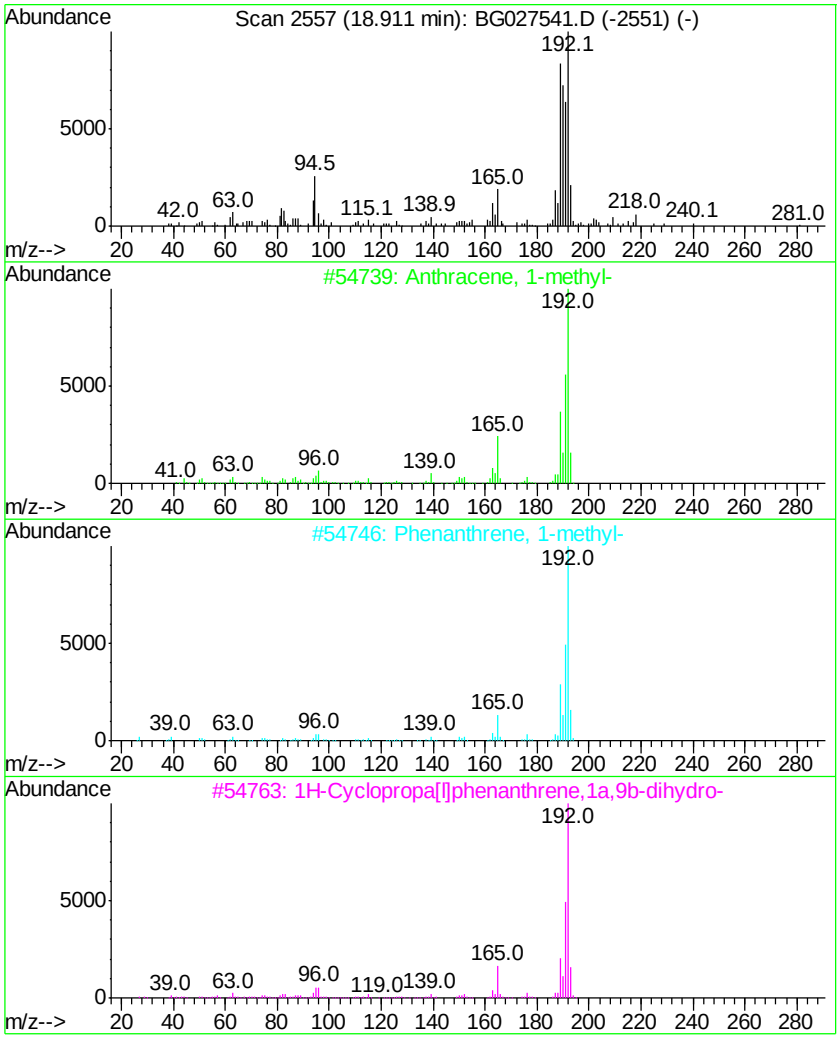
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

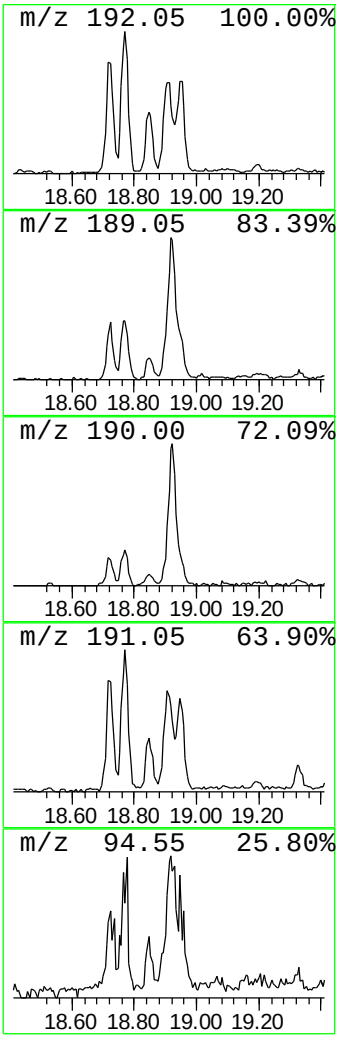
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.43 ng/ul	199805	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

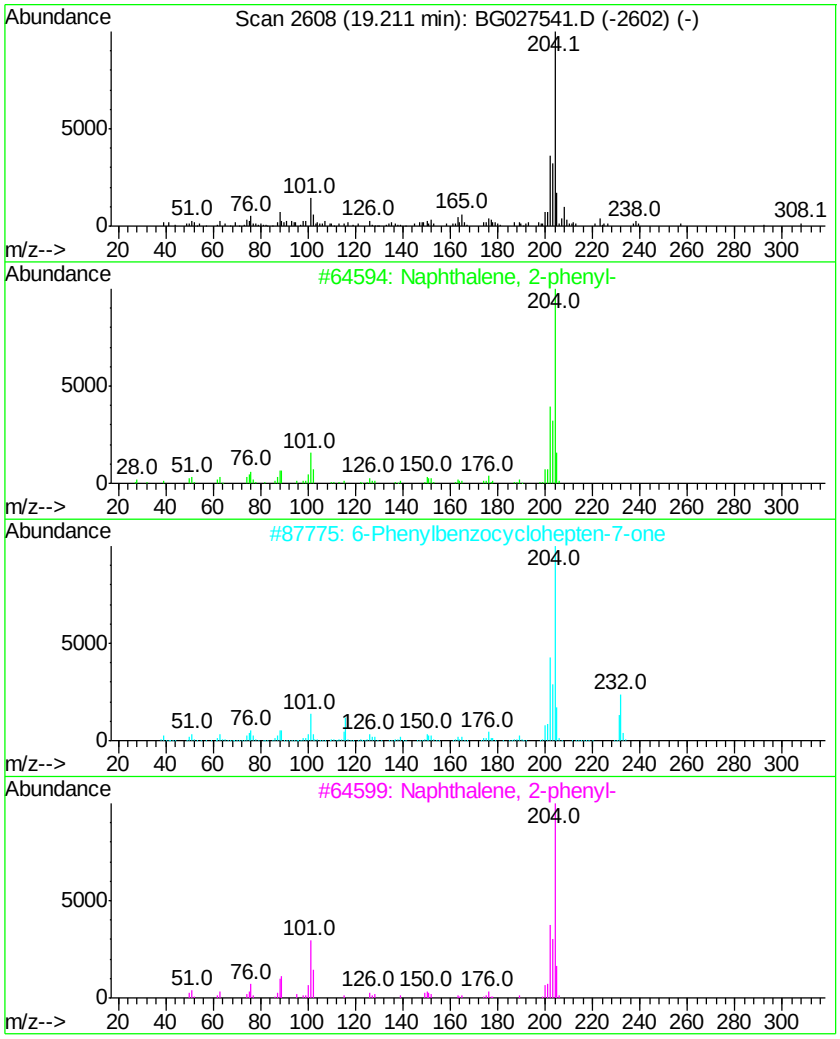
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

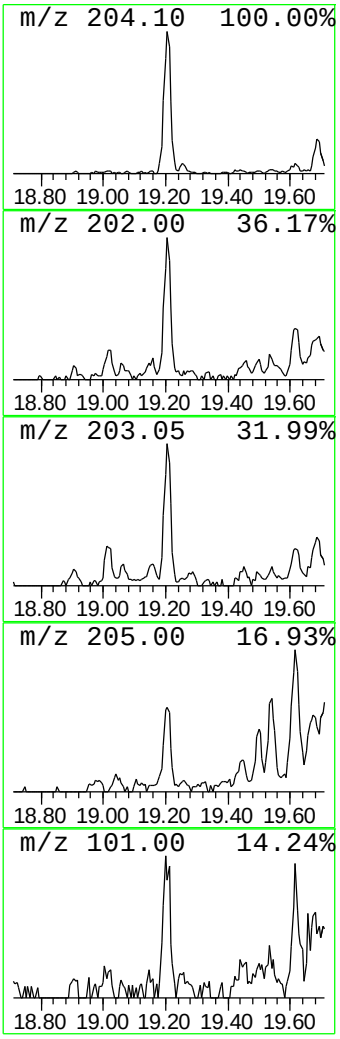
****

Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	2.82 ng/ul	103641	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

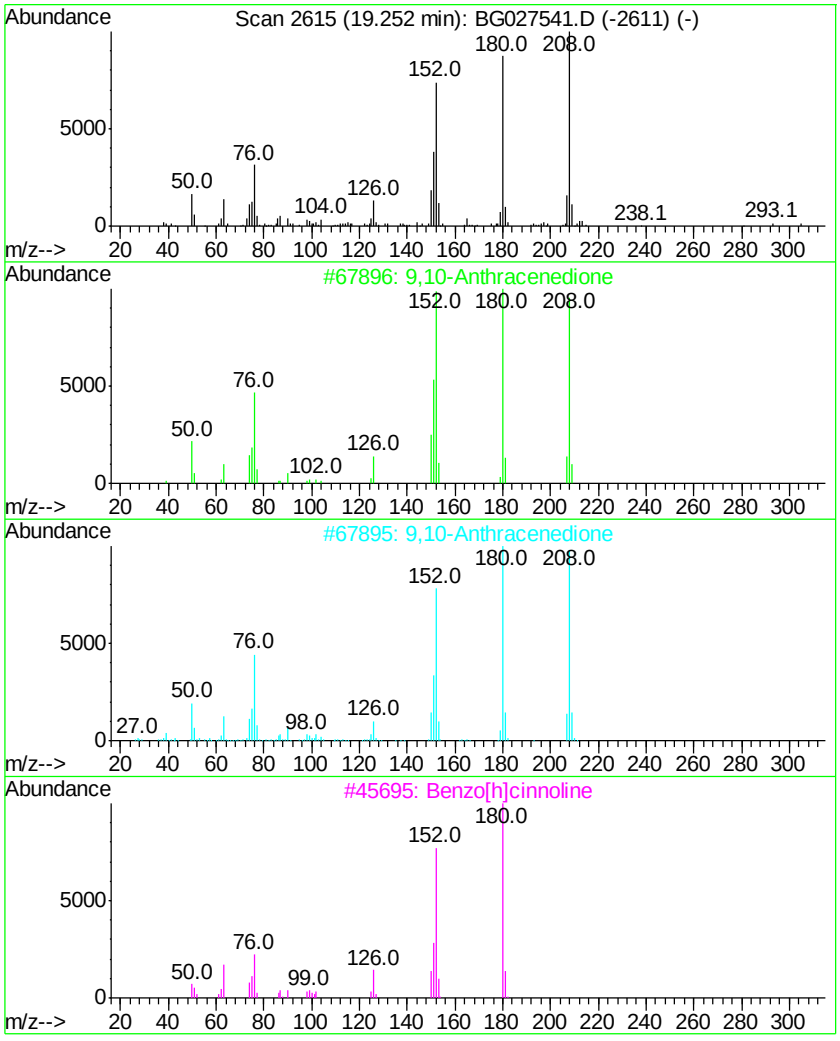
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

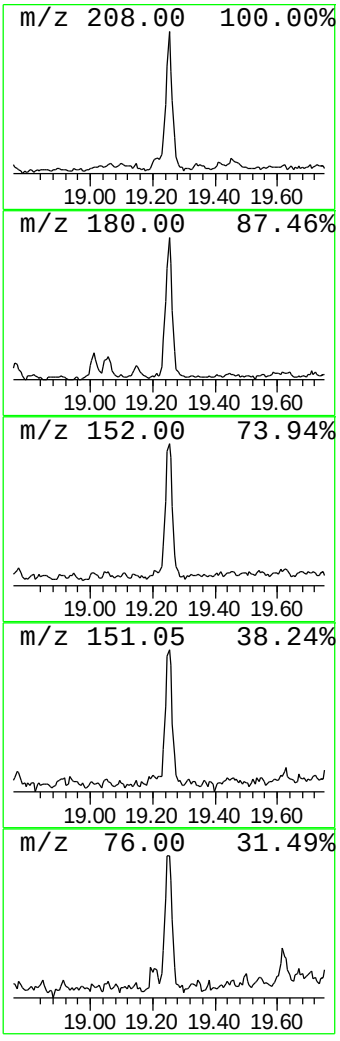
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	3.88 ng/ul	142722	Phenanthrene-d10	17.85

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	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	92
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	90





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Operator : SJ/MA
Sample : I3599-07
Misc :
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Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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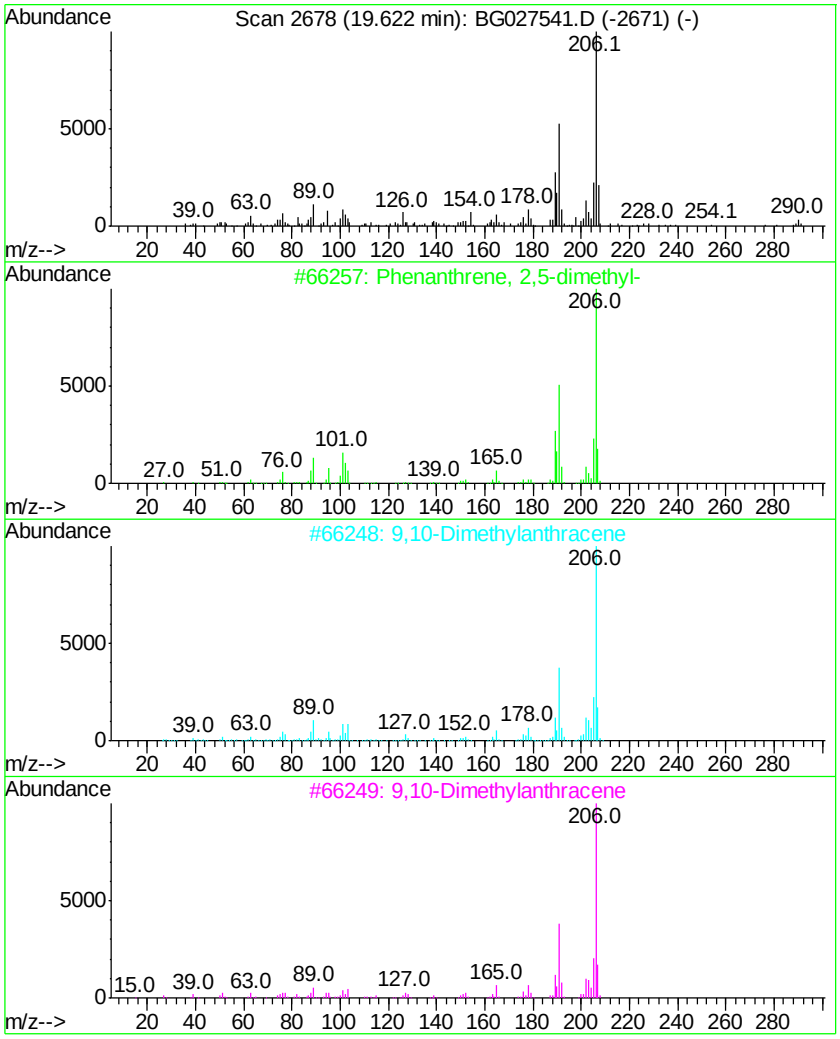
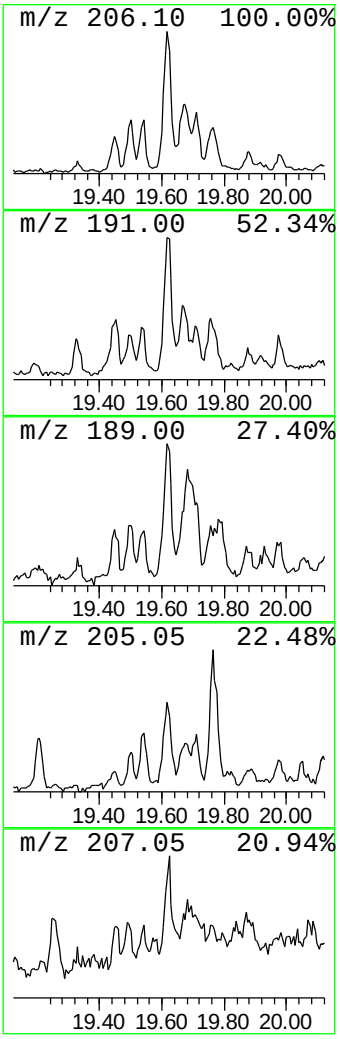
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	4.88 ng/ul	179413	Phenanthrene-d10	17.85

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	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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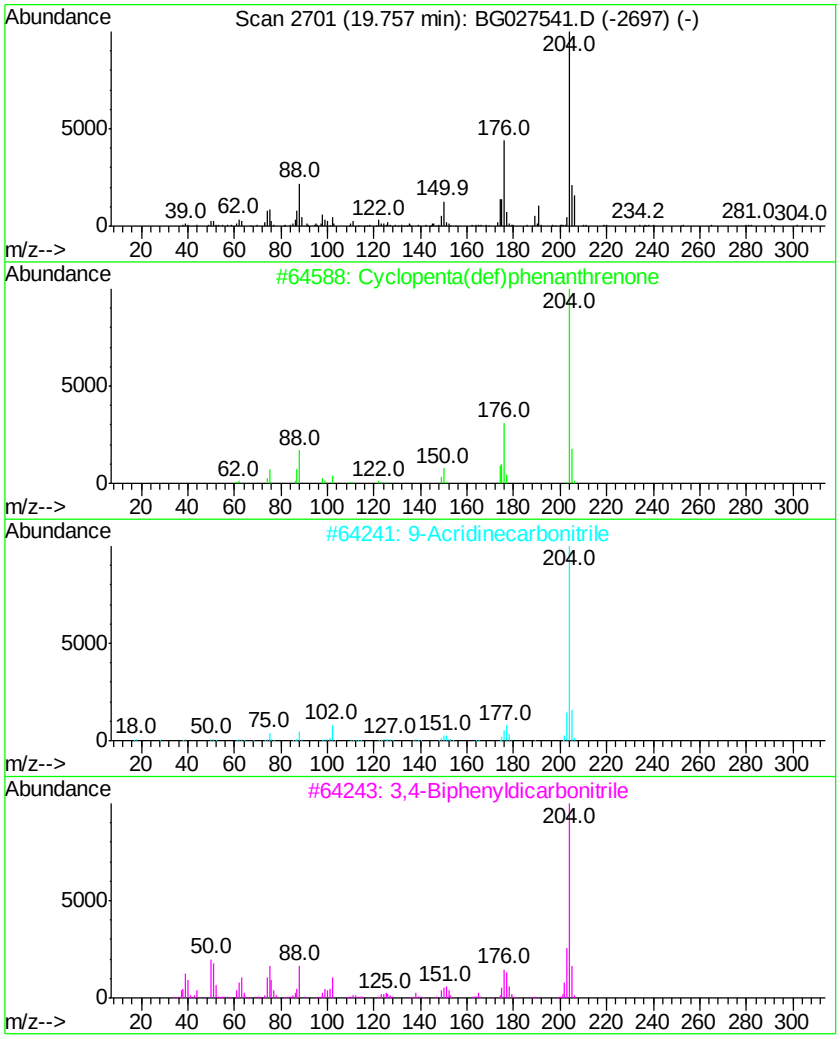
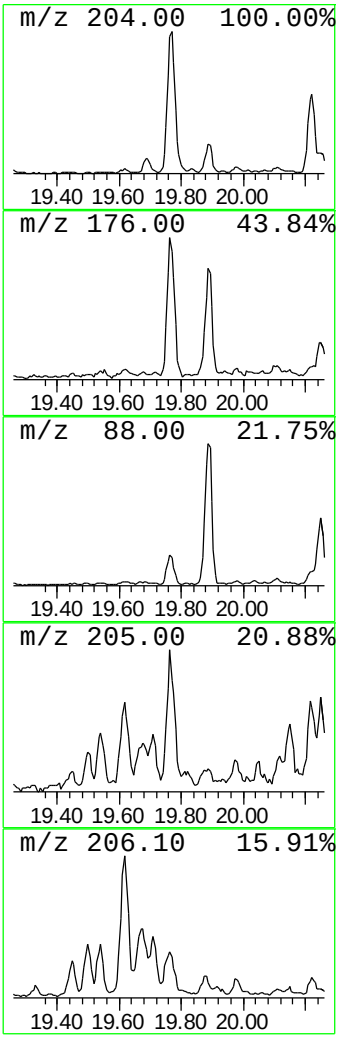
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	6.09 ng/ul	224002	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





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ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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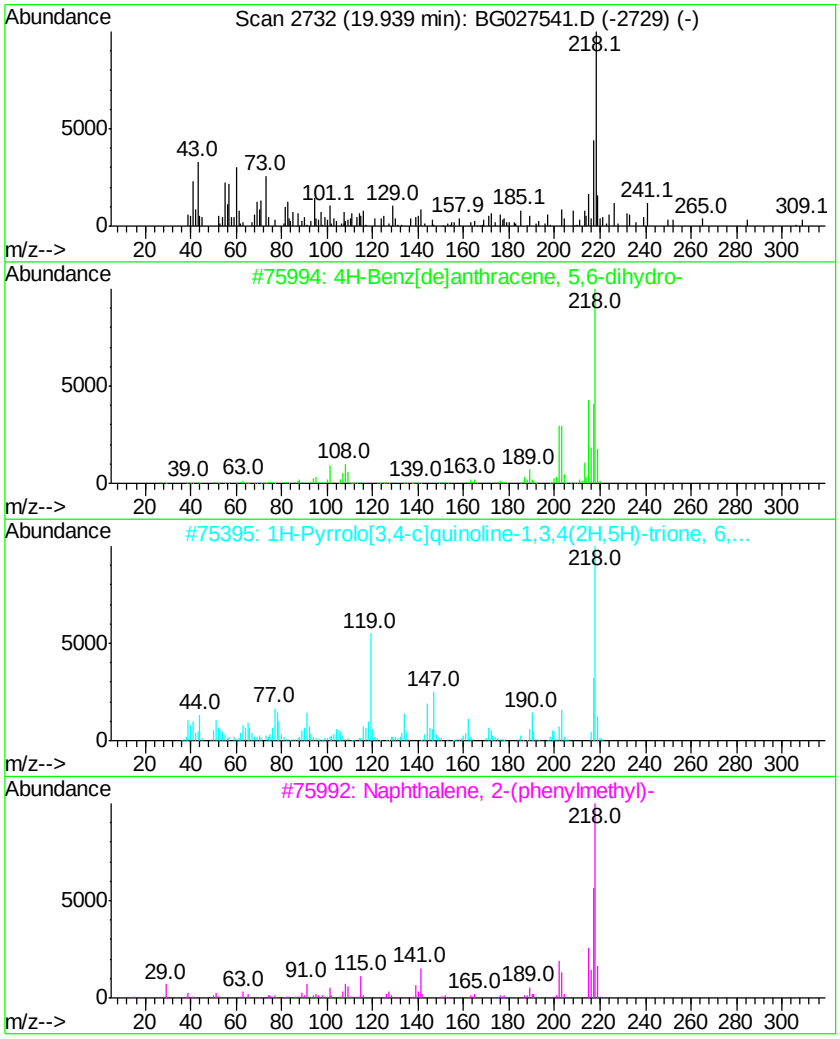
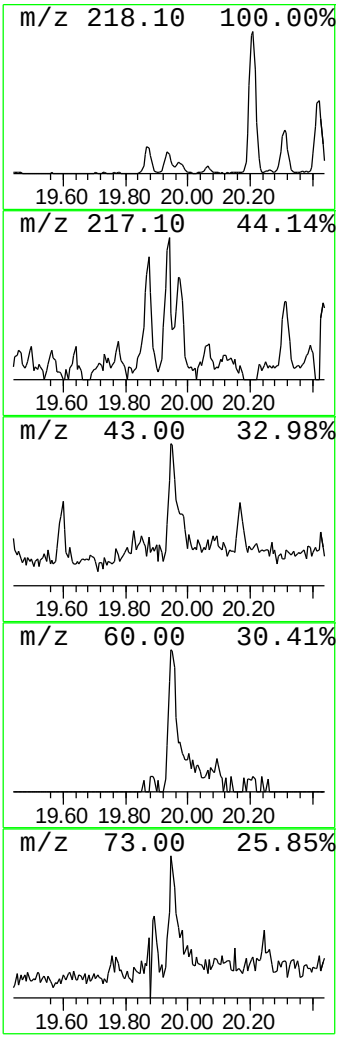
Peak Number 8 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.12 ng/ul	78169	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	49
2	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	38
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	38
4	Pyrazolo[1,5-a]pyrimidine3-carbo...	218	C10H10N4S	090842-90-3	38
5	Bis(2-hydroxyphenyl)sulfide	218	C12H10O2S	013693-59-9	35





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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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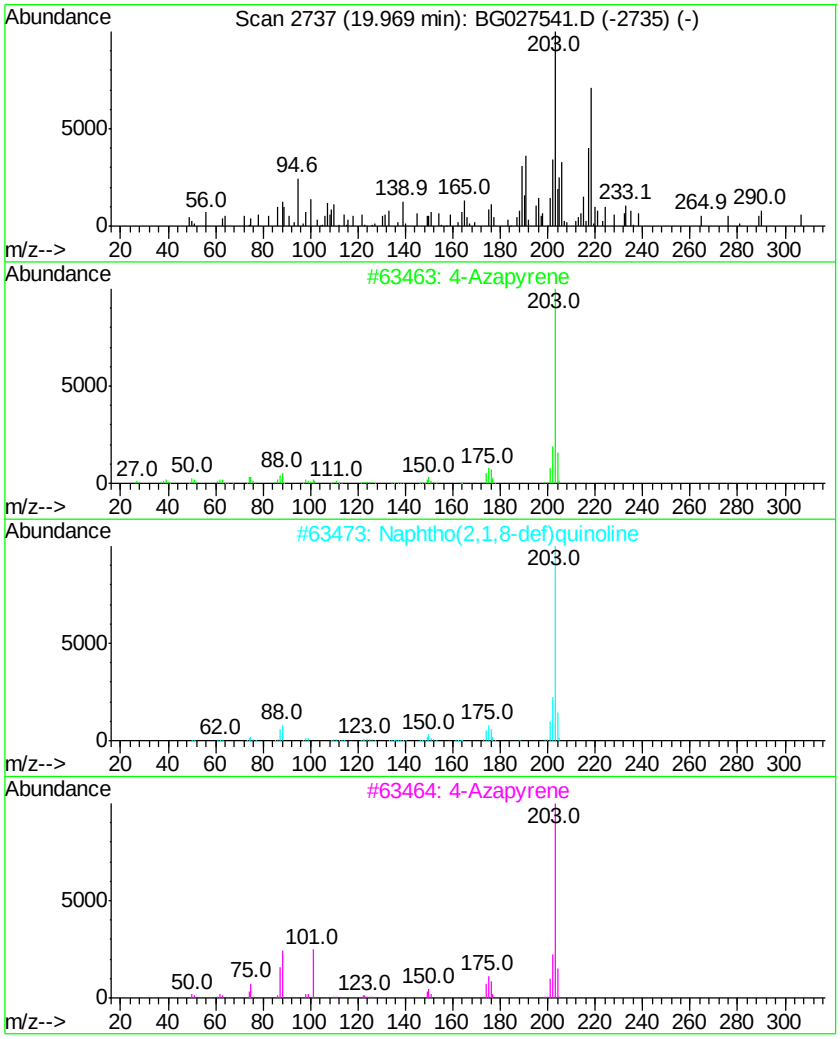
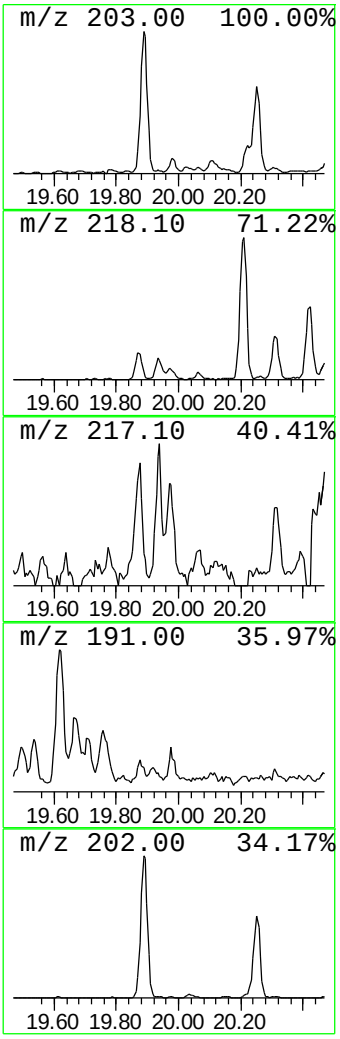
Peak Number 9 4-Azapyrene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.15 ng/ul	78970	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	50
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	46
3	4-Azapyrene	203	C15H9N	000194-03-6	46
4	5H-Oxazolo[3,2-a]pyridine-8-carb...	218	C12H14N2O2	1000337-58-3	43
5	Methanone, (3-aminophenyl)(1-pip...	204	C12H16N2O	077201-13-9	43





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Quant Title : SVOA CALIBRATION

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

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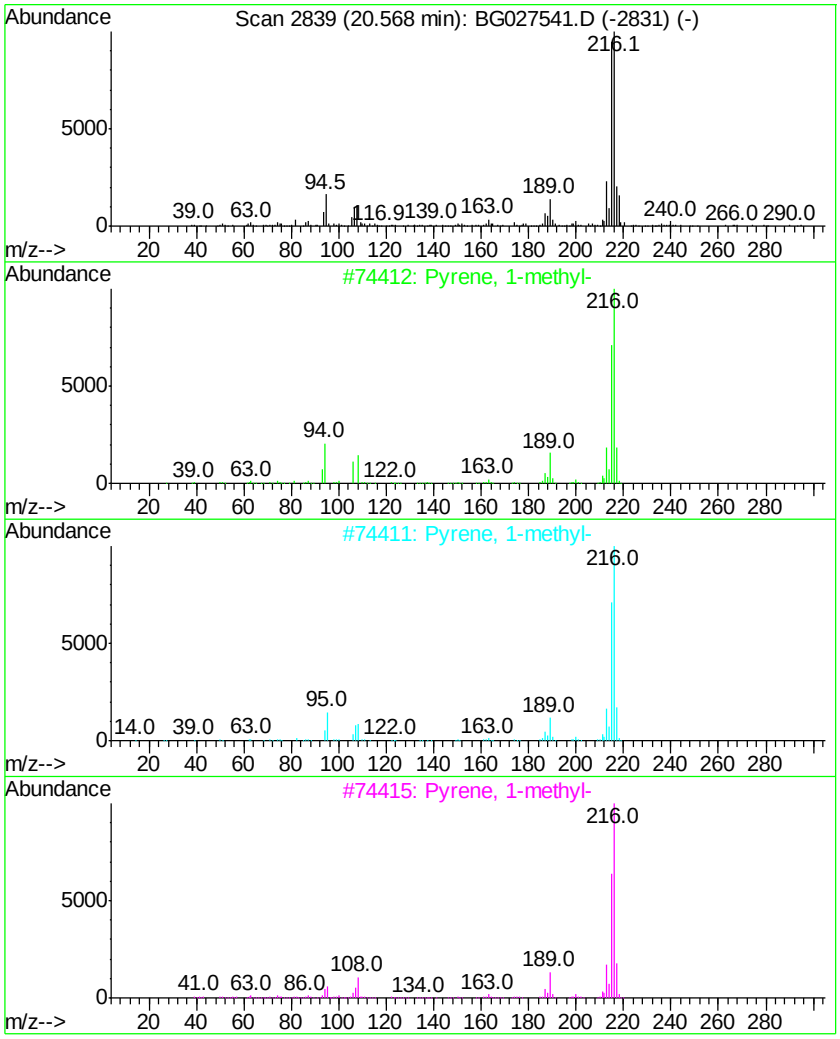
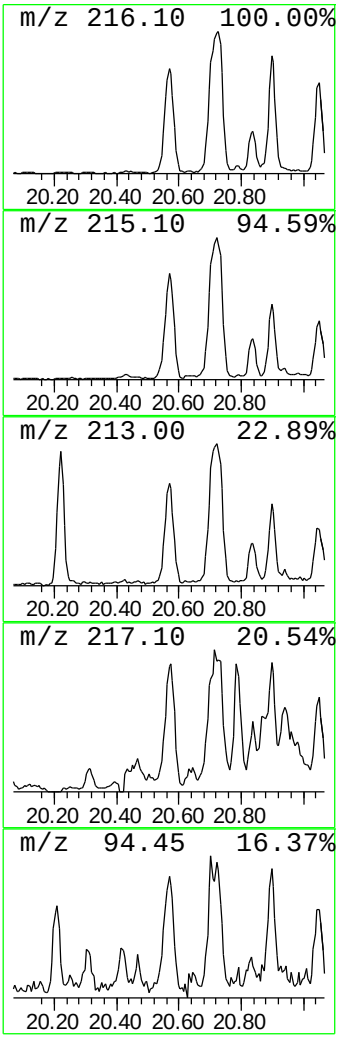
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.95 ng/ul	461738	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Quant Title : SVOA CALIBRATION

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

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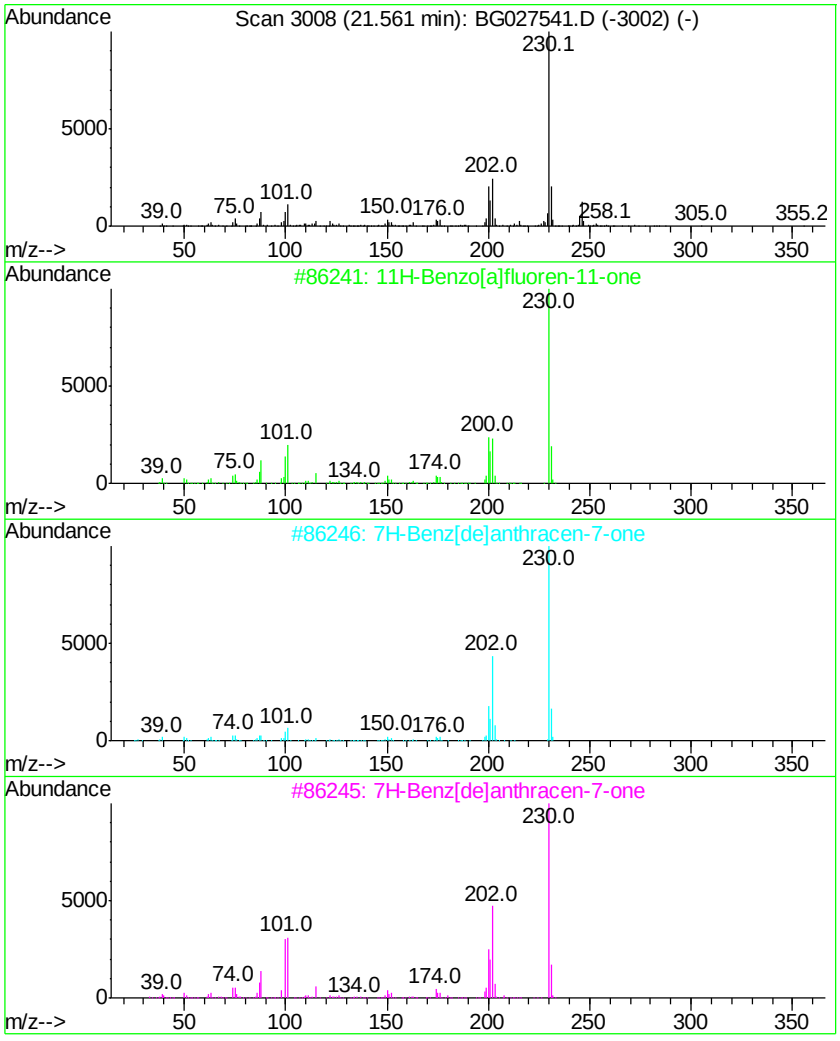
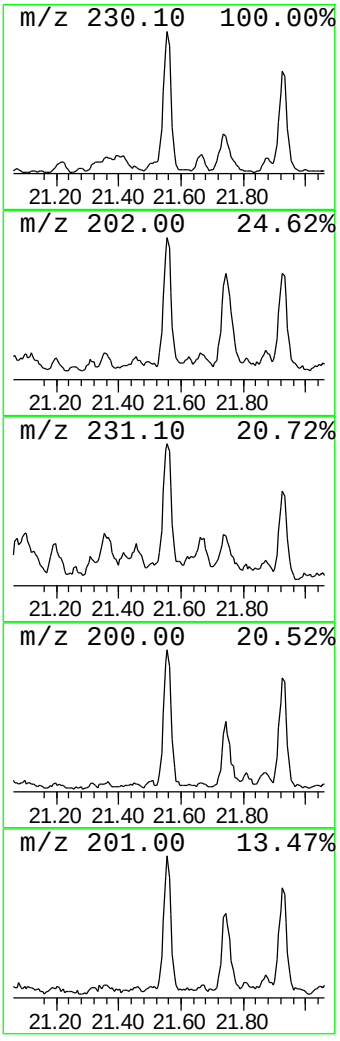
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	3.47 ng/ul	542906	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	70
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70





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Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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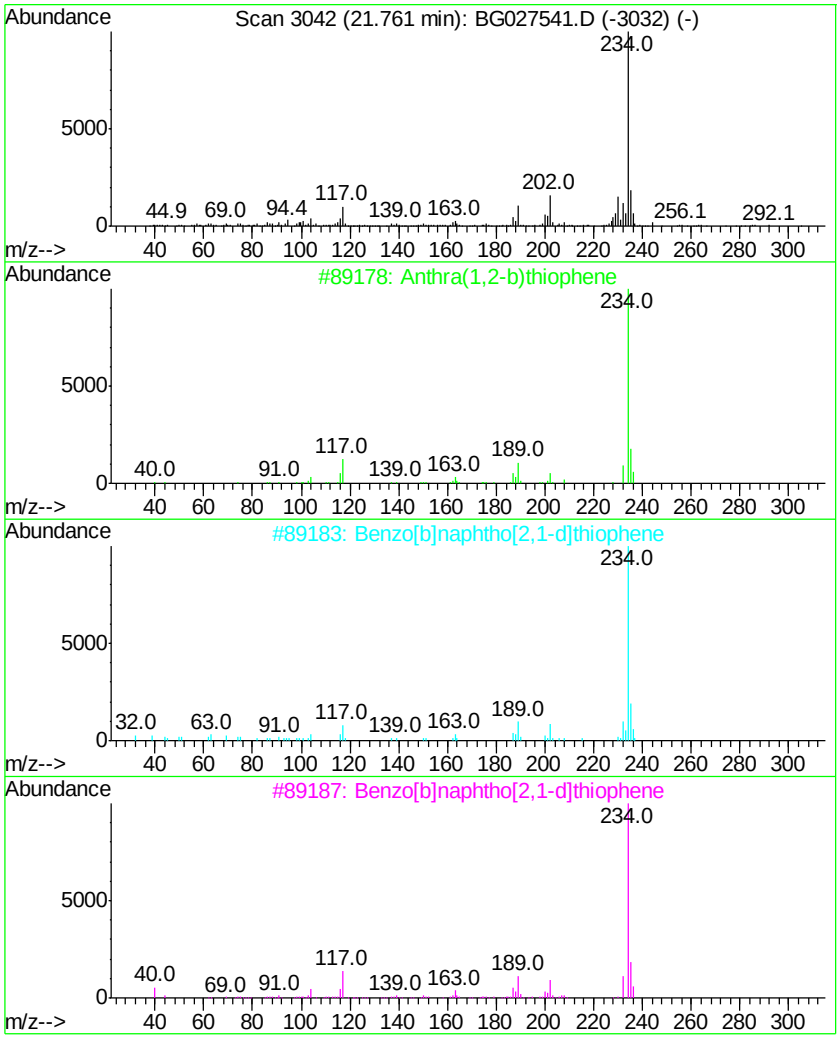
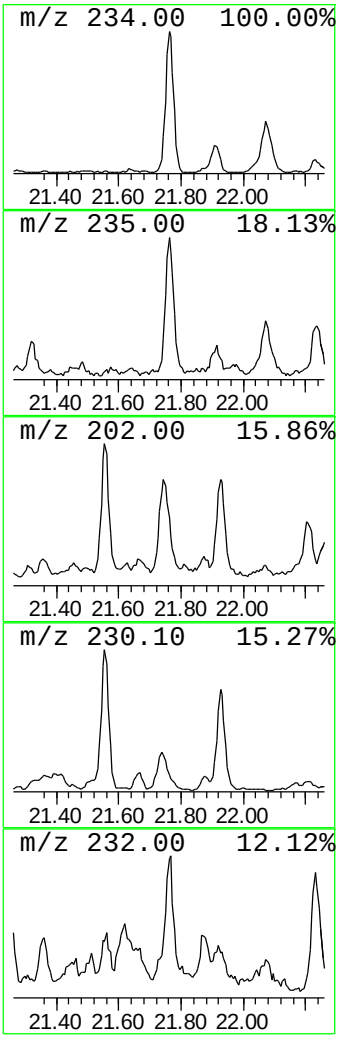
Peak Number 14 Anthra(1,2-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	3.89 ng/ul	609689	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83





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Sample : I3599-07
Misc :
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Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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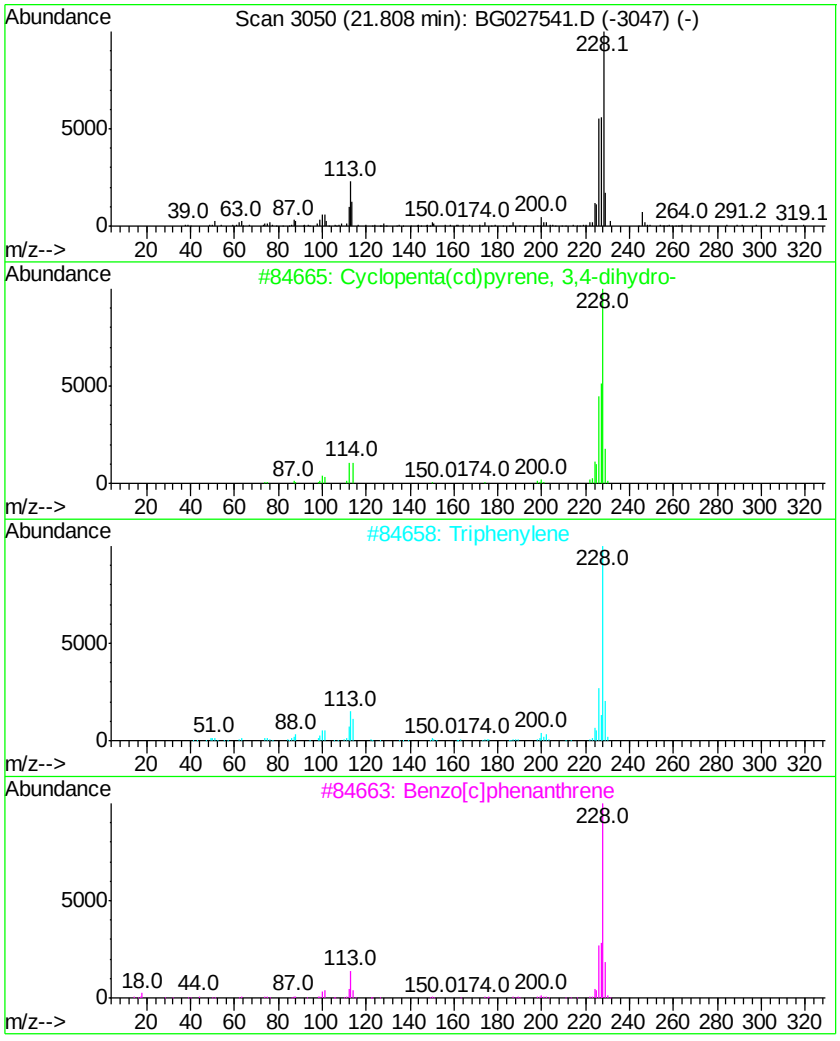
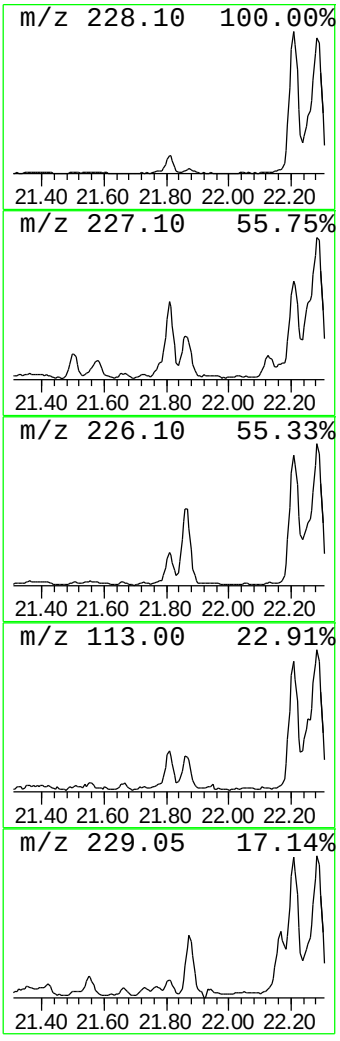
Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.09 ng/ul	327422	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Triphenylene	228	C18H12	000217-59-4	60
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
4	Triphenylene	228	C18H12	000217-59-4	55
5	Benz[a]anthracene	228	C18H12	000056-55-3	55





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Quant Title : SVOA CALIBRATION

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

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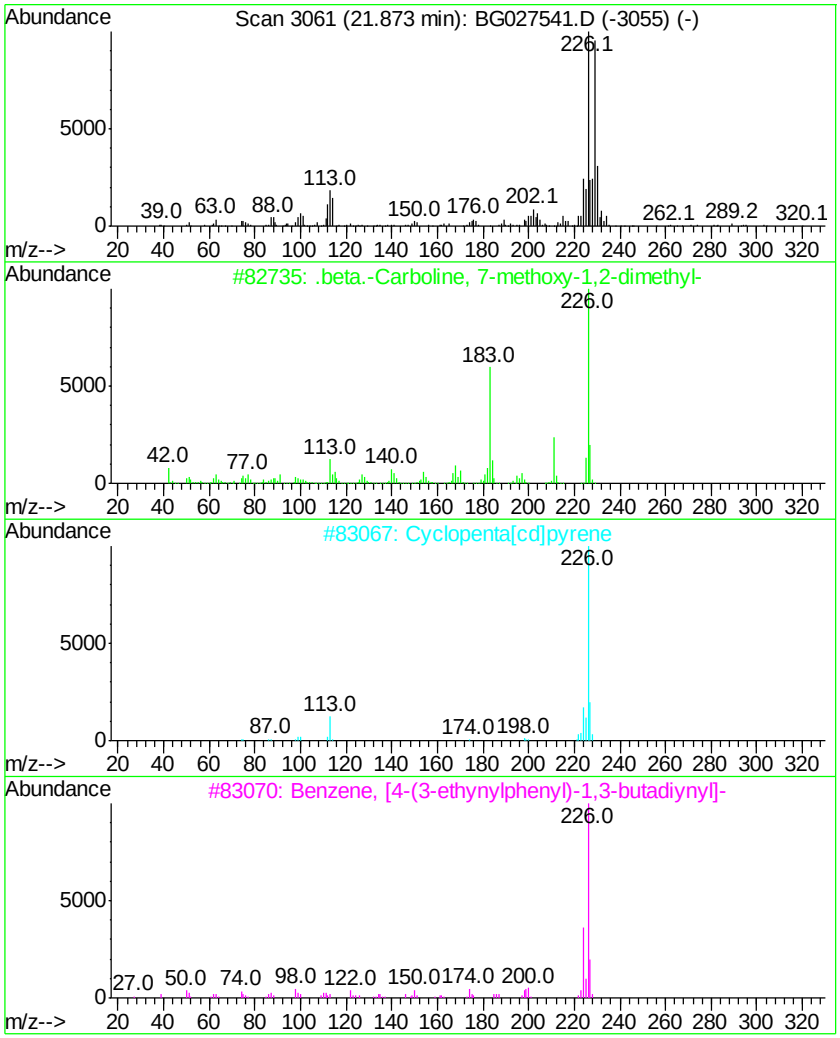
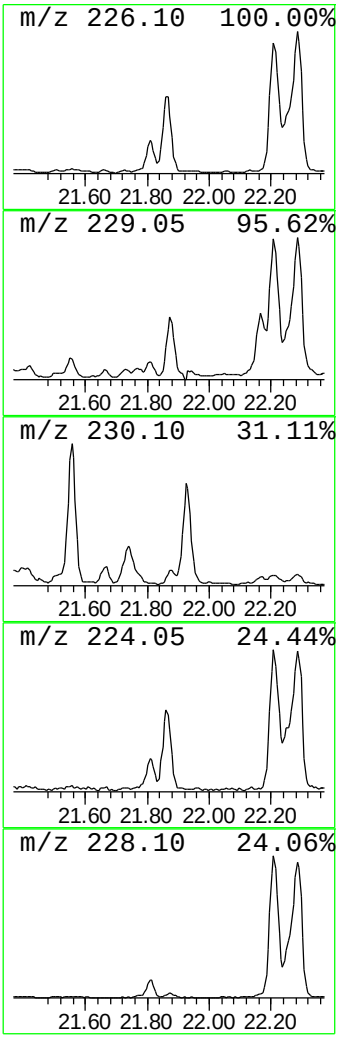
Peak Number 16 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.73 ng/ul	428286	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
4	Pentanedioic acid, 1-(6-bromo-9-...	625	C35H48BrNO4	049646-95-9	32
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	27





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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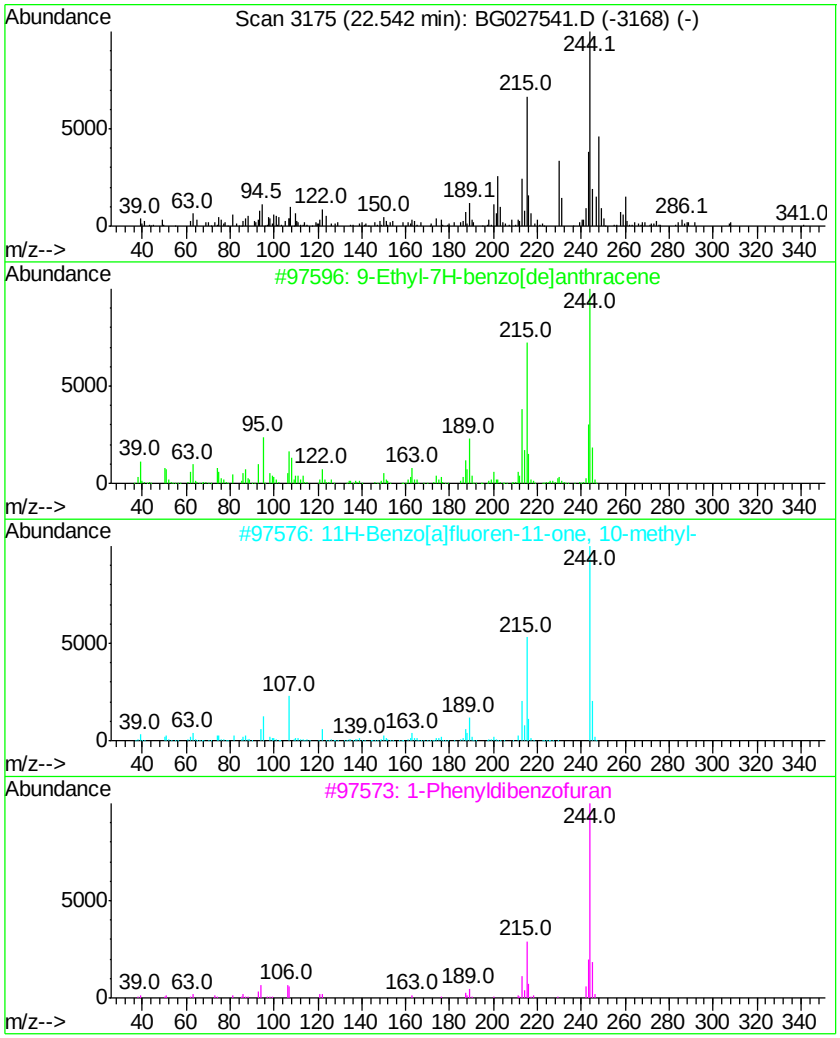
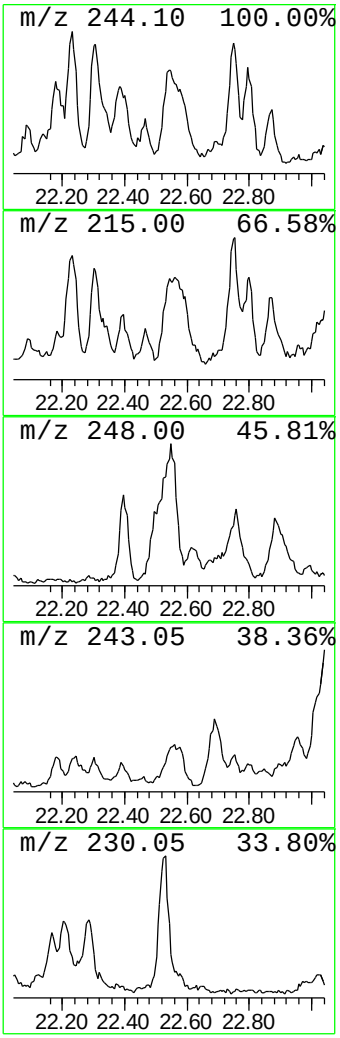
Peak Number 18 9-Ethyl-7H-benzo[de]anthracene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	3.11 ng/ul	486624	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Ethyl-7H-benzo[de]anthracene	244	C19H16	1000262-29-1	64
2	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	55
3	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	46
4	5,6,7-Trimethyl-5H-1,2,4-triazin...	244	C12H12N4S	1000227-31-5	38
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	35





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Quant Title : SVOA CALIBRATION

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

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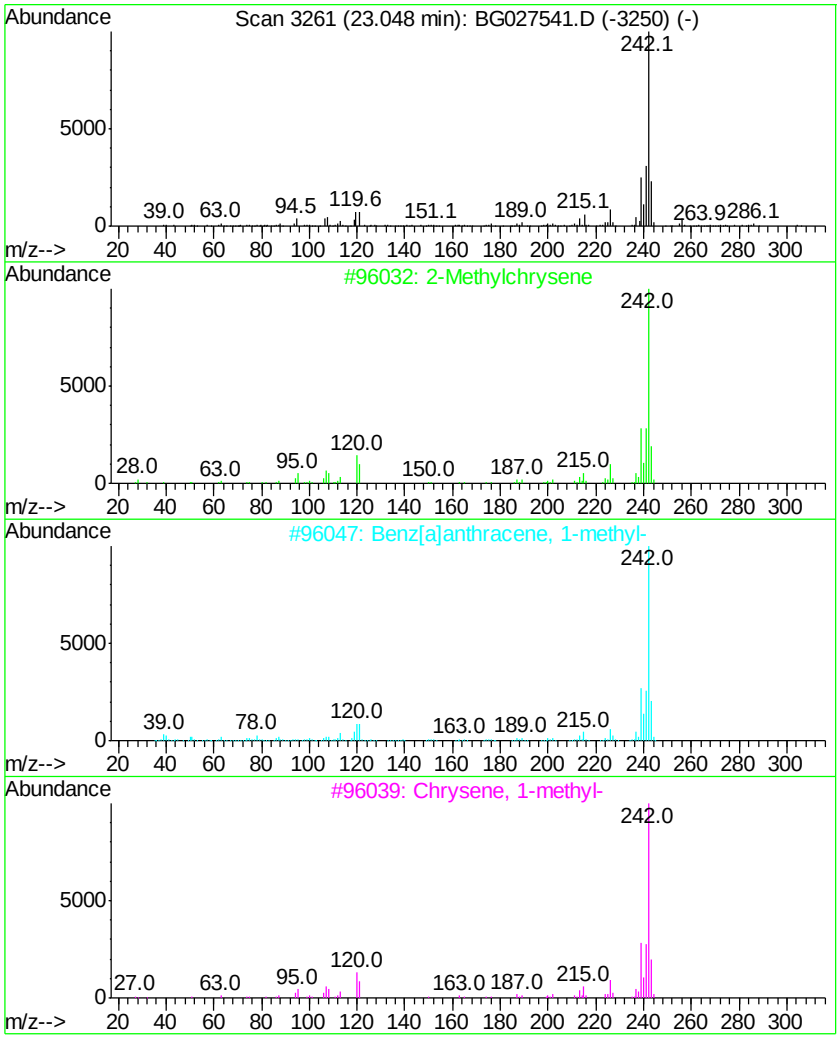
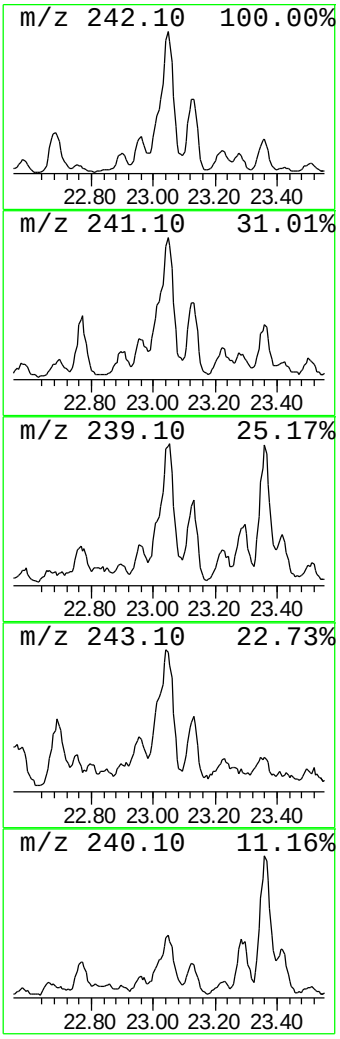
Peak Number 19 2-Methylchrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.05	4.68 ng/ul	732836	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	96
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





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Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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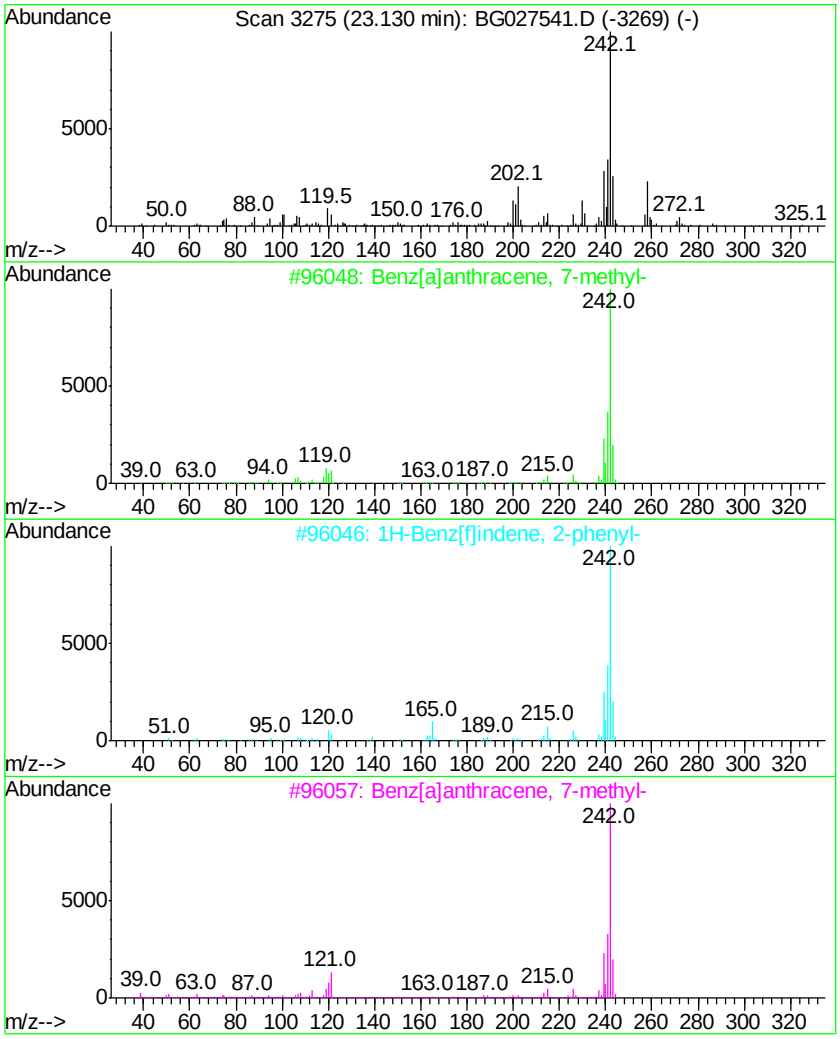
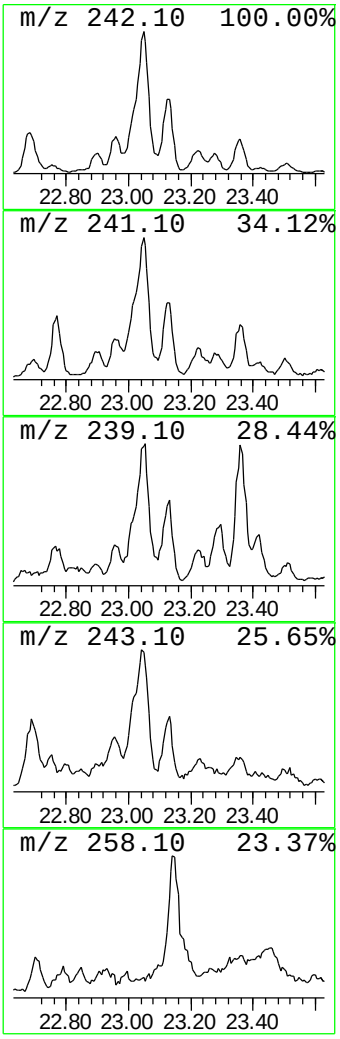
Peak Number 20 Benz[a]anthracene, 7-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.13	2.51 ng/ul	393222	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	83
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	83
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	64
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	64





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Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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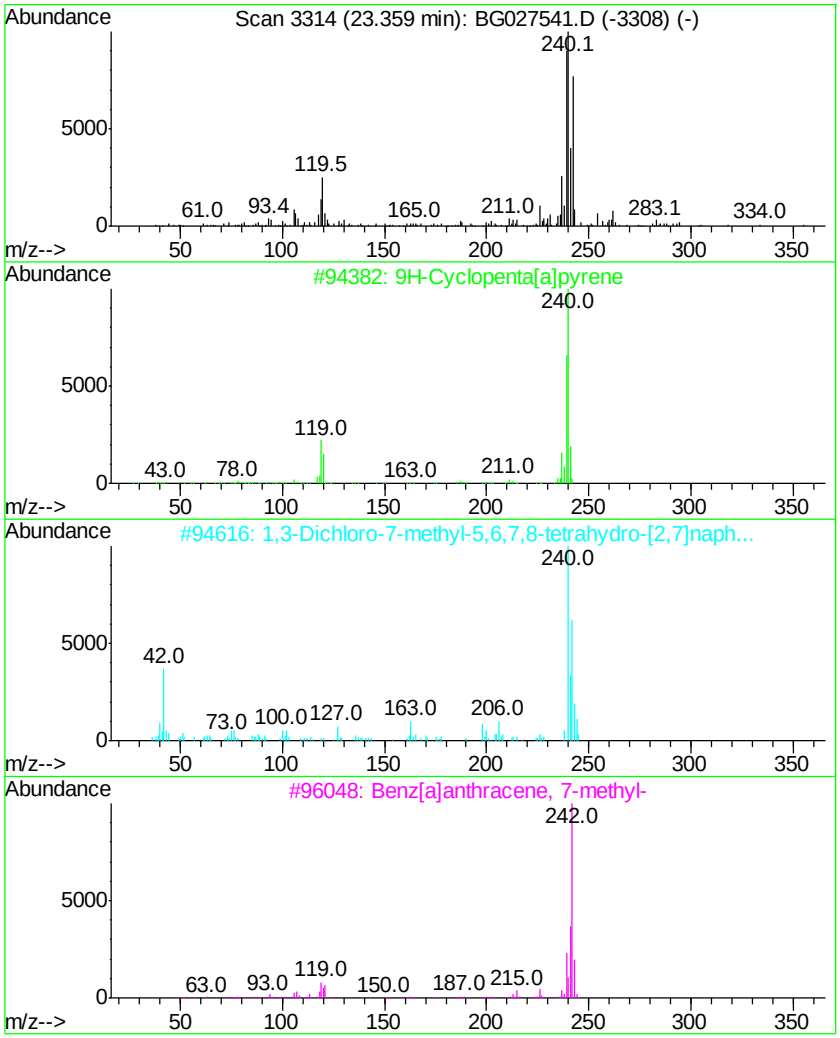
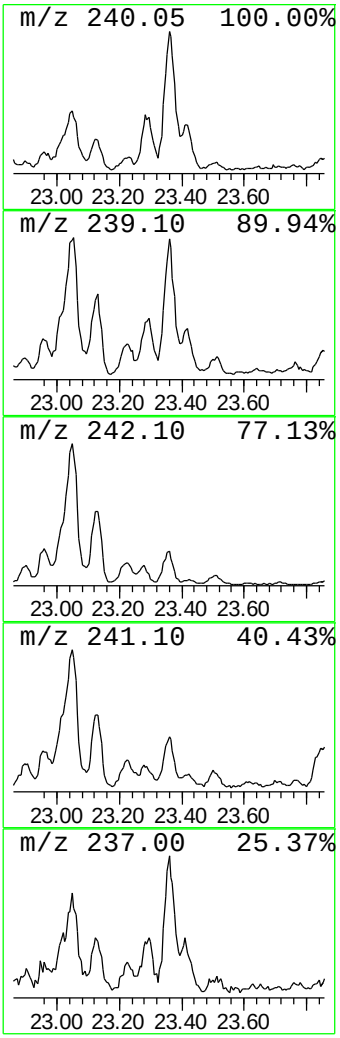
Peak Number 21 9H-Cyclopenta[a]pyrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.36	3.10 ng/ul	485691	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	64
2	1,3-Dichloro-7-methyl-5,6,7,8-te...	241	C10H9Cl2N3	1000274-39-1	47
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	30
4	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	25
5	3,5-Diethyl-2-(4-methoxyphenyl)p...	241	C16H19NO	070928-38-0	25





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Sample : I3599-07
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ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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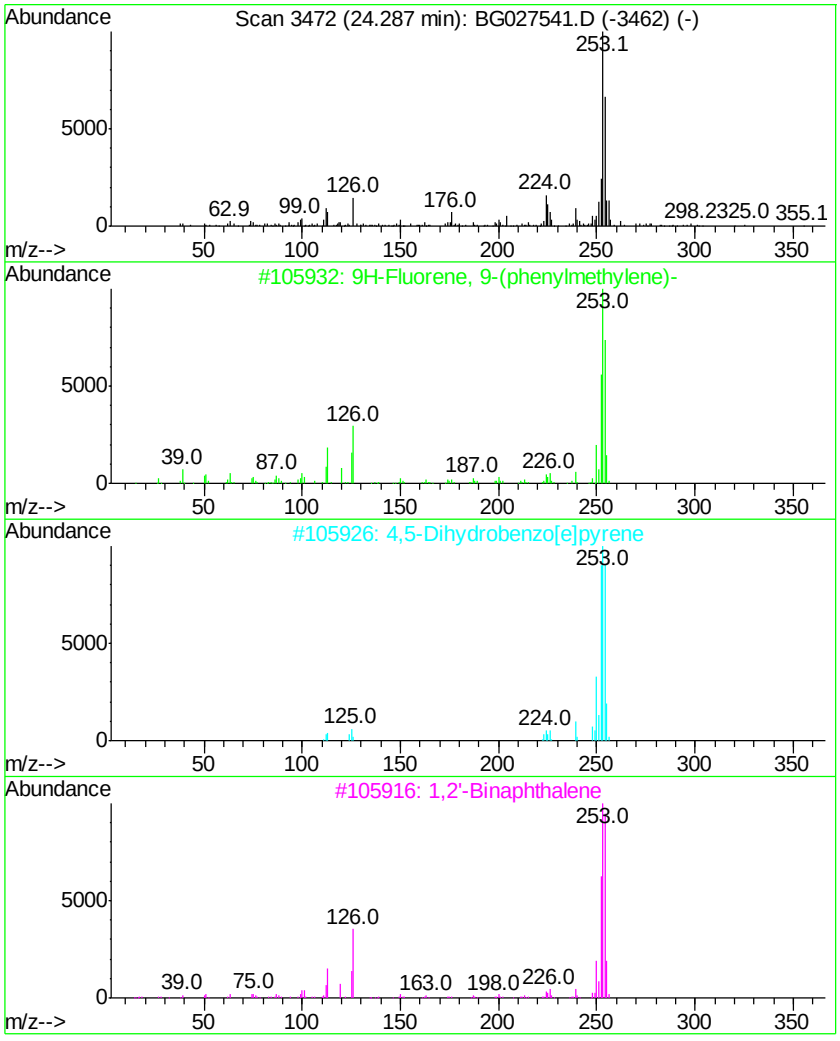
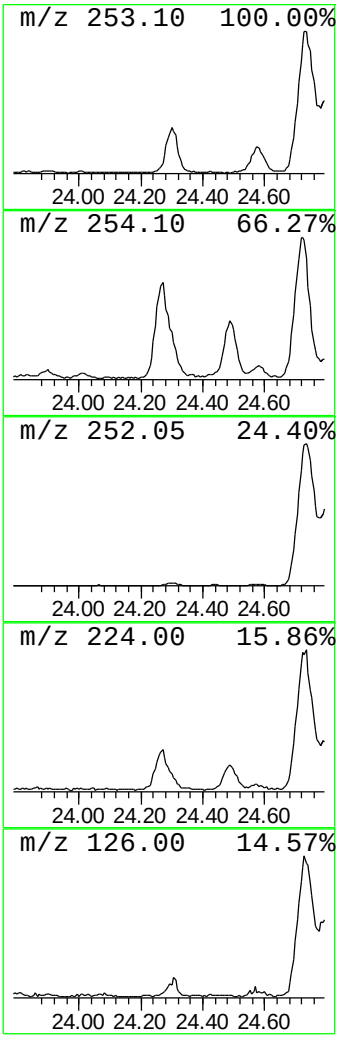
Peak Number 22 9H-Fluorene, 9-(phenylmethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.29	12.41 ng/ul	540512	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	62





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Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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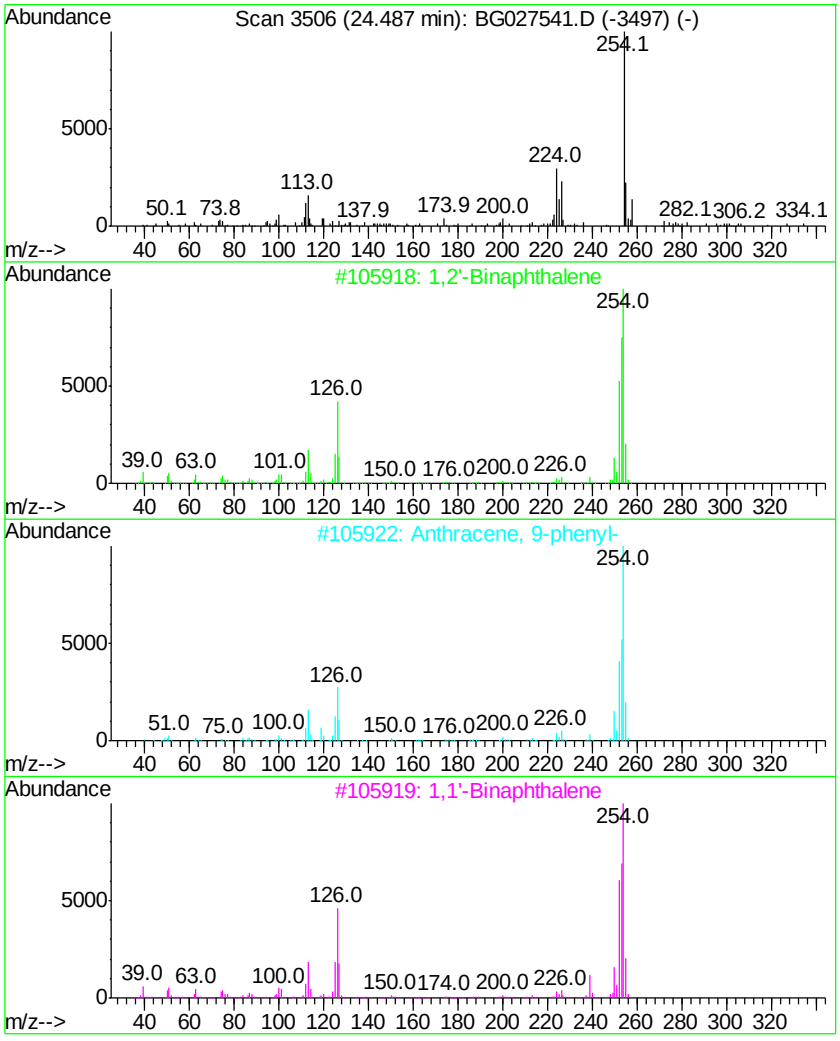
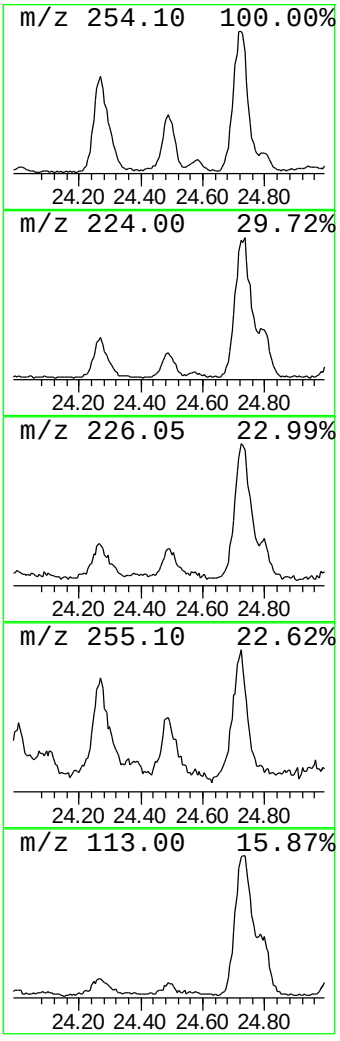
Peak Number 23 1,2'-Binaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.49	4.13 ng/ul	180121	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	52
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52





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Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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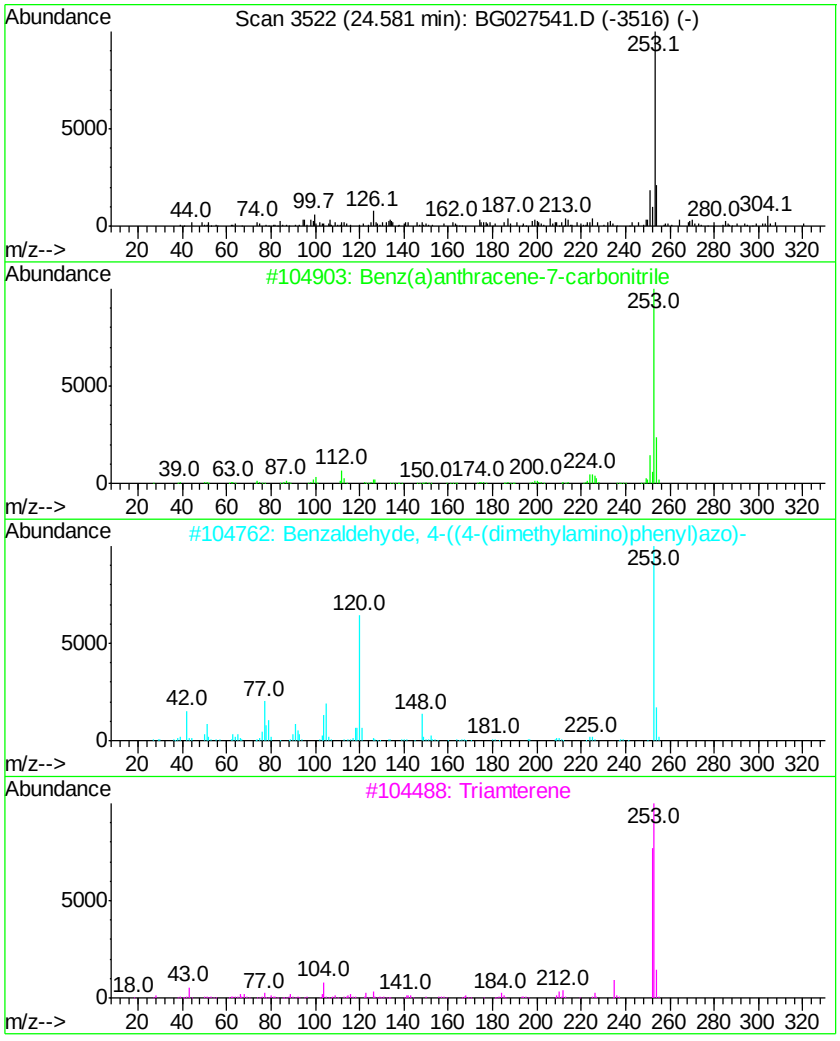
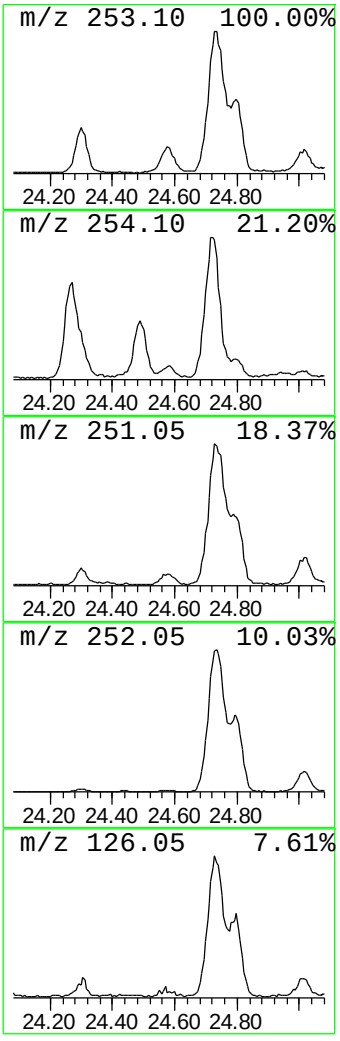
Peak Number 24 Benz(a)anthracene-7-carboni... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.58	2.36 ng/ul	102656	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	Benzaldehyde, 4-((4-(dimethylami...	253	C15H15N3O	039208-00-9	50
3	Triamterene	253	C12H11N7	000396-01-0	50
4	2-Amino-7-benzyl-4-hydroxypteridine	253	C13H11N5O	049647-55-4	47
5	Benzo[5,6][1,4]dioxino[2,3-c]pyr...	253	C11H5ClFNO3	1000302-85-2	47





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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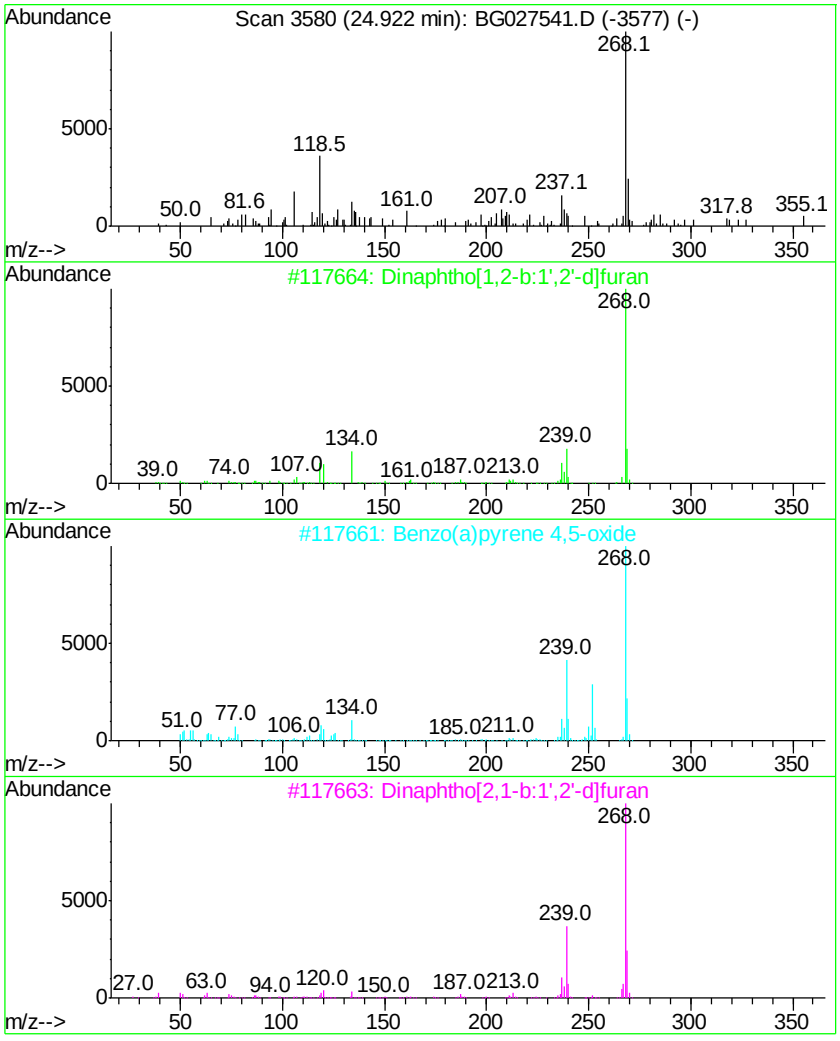
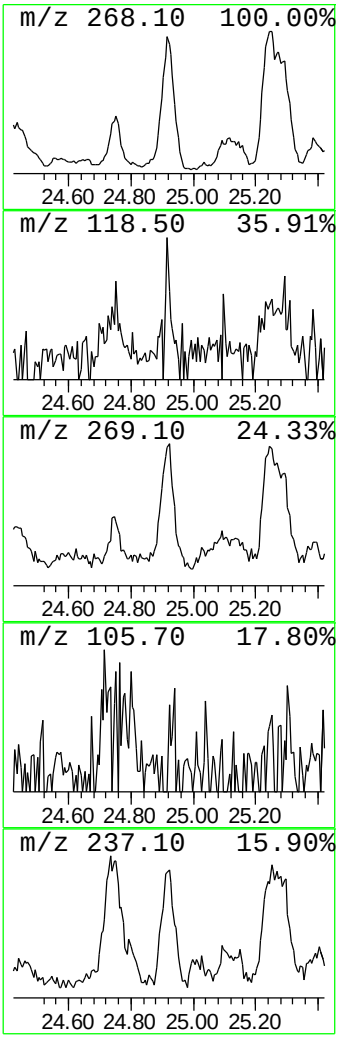
Peak Number 25 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.92	2.12 ng/ul	92537	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
4	1H-Cyclopenta[b]indol-3(2H)-one,...	268	C17H20N2O	339284-85-4	47
5	3H-1,2,4-Triazole-3-thione, 2,4-...	268	C14H12N4S	014132-84-4	47





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Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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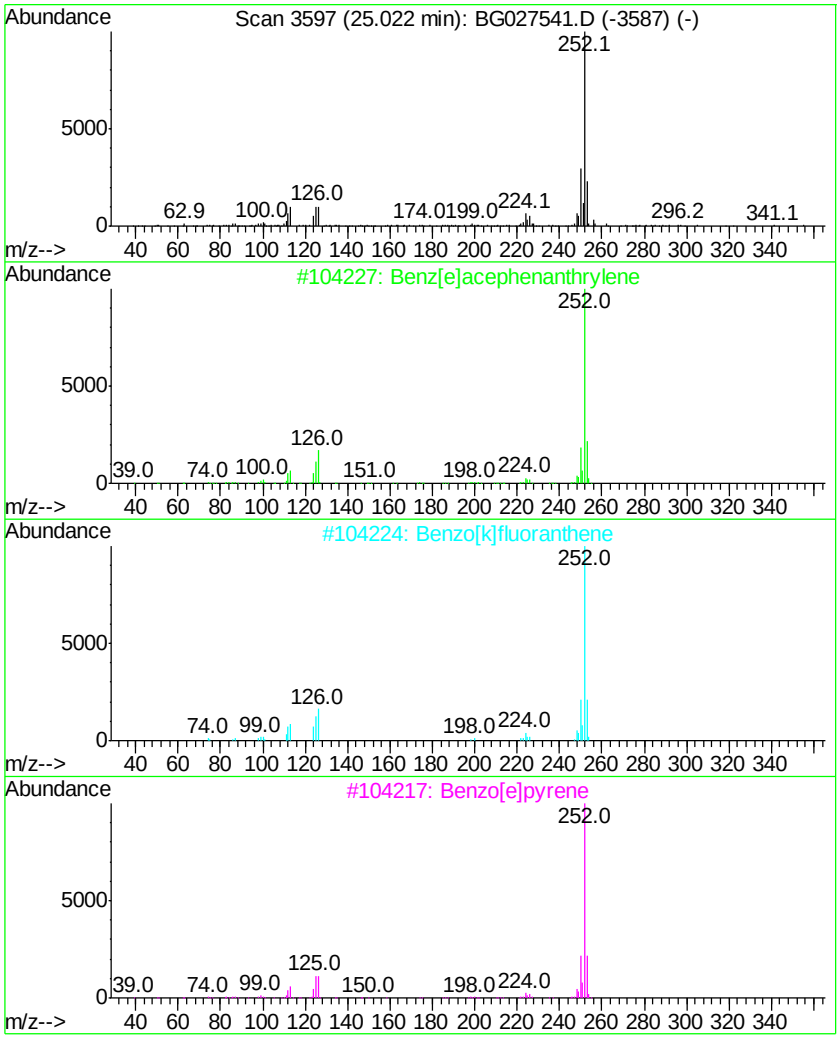
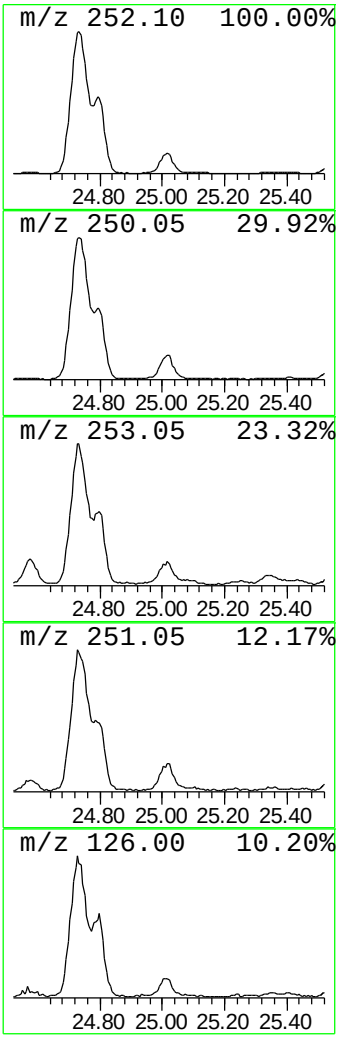
Peak Number 26 Benz[e]acephenanthrylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.02	9.98 ng/ul	434644	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





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Sample : I3599-07
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Instrument : BNA_G
ClientSampleId : F5C97

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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 28 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.55	6.68 ng/ul	291037	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	72
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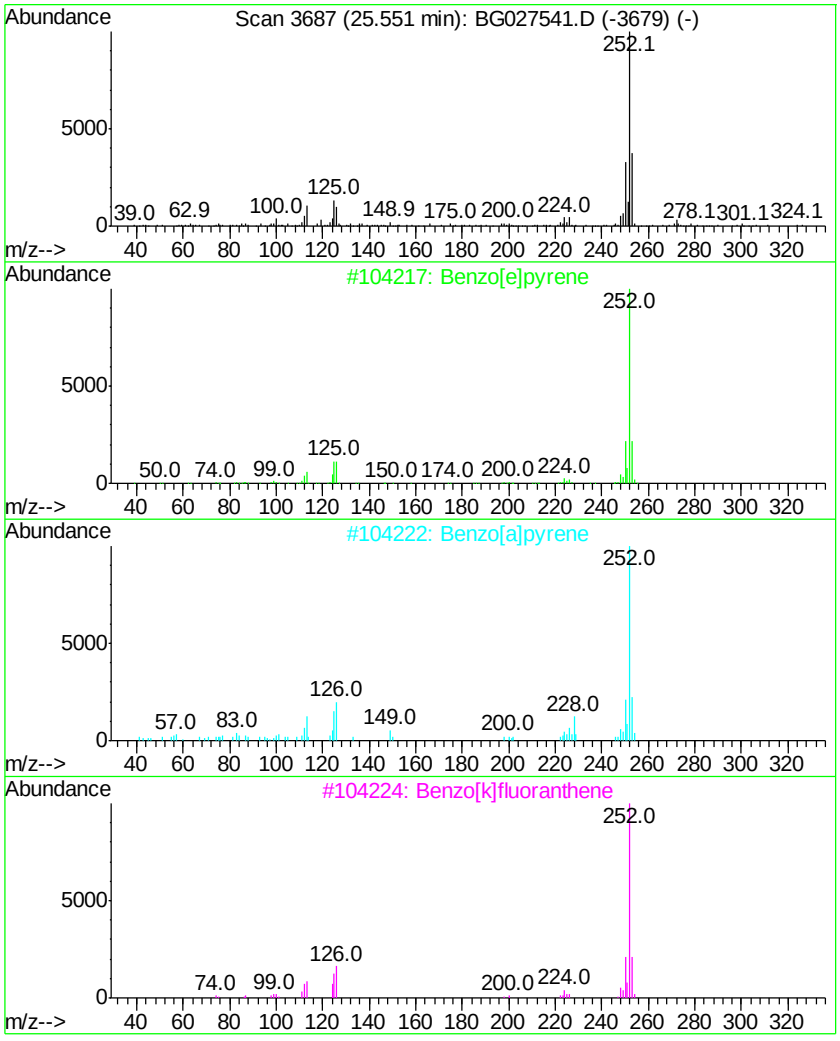

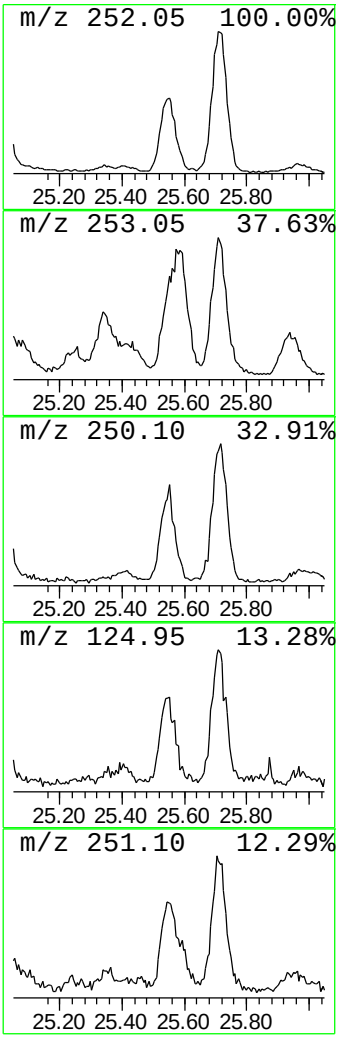

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Instrument : BNA_G
ClientSampleId : F5C97

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Quant Title : SVOA CALIBRATION

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

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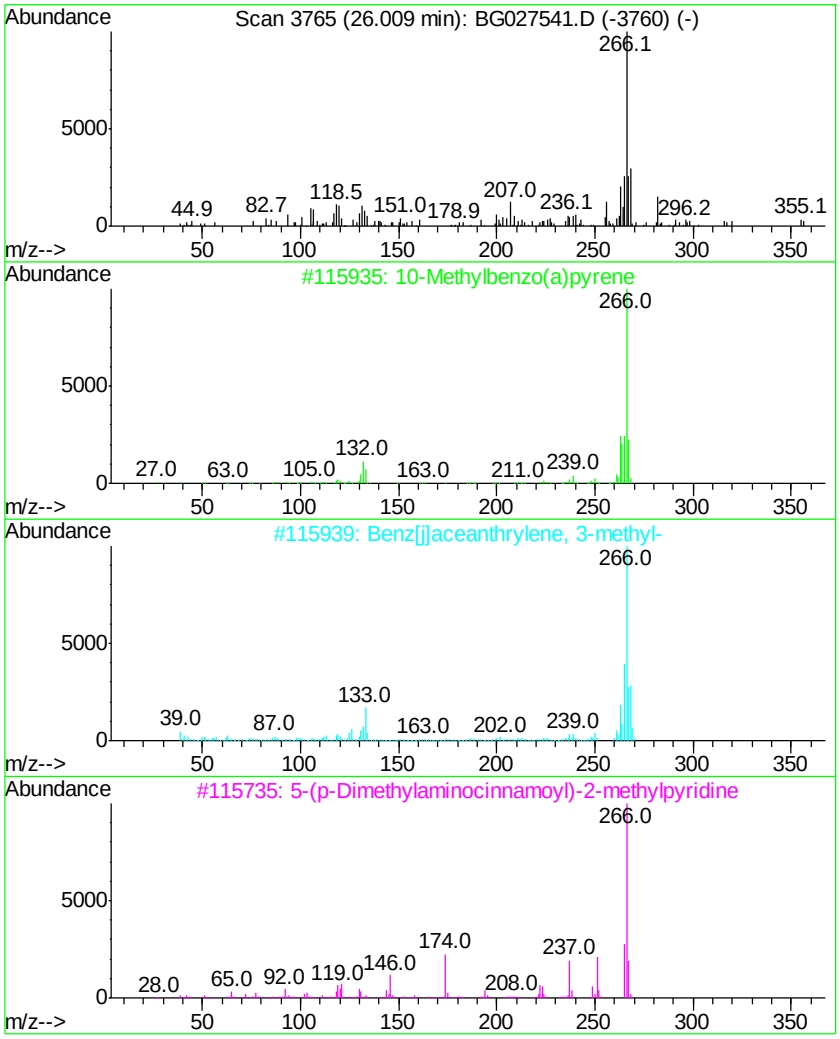
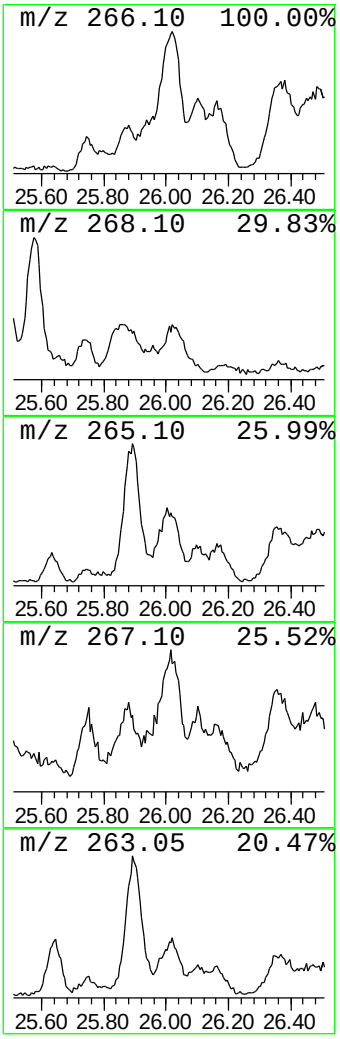
Peak Number 29 10-Methylbenzo(a)pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.01	4.80 ng/ul	209160	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	74
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	52
3	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	43
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	43
5	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	43





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Quant Title : SVOA CALIBRATION

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

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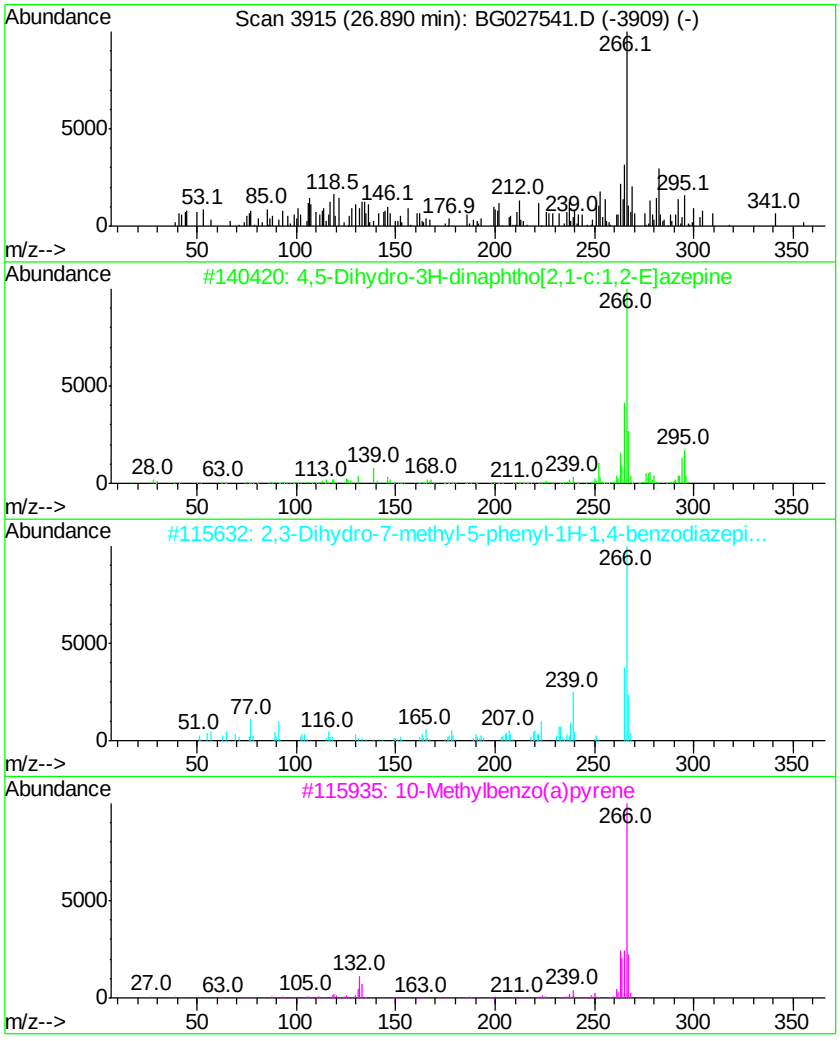
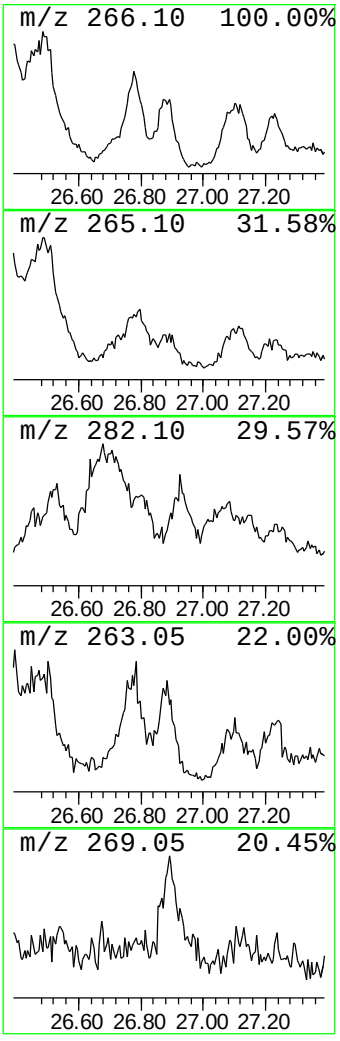
Peak Number 30 unknown-03 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.89	2.61 ng/ul	113802	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	47
2	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	35
3	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	35
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	35
5	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	35





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Quant Title : SVOA CALIBRATION

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

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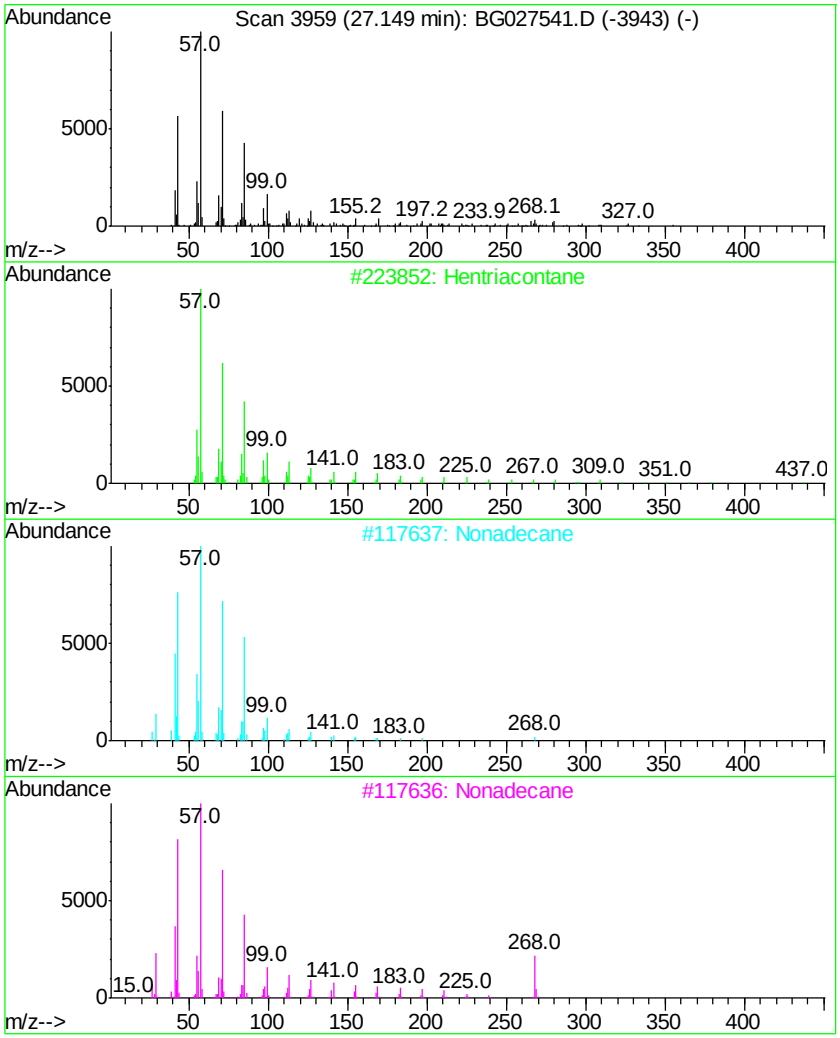
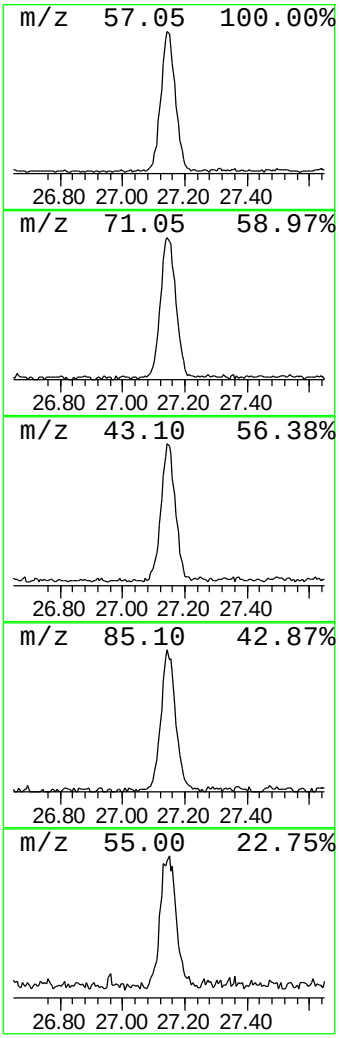
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.15	7.73 ng/ul	336898	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	87
2	Nonadecane	268	C19H40	000629-92-5	87
3	Nonadecane	268	C19H40	000629-92-5	87
4	Octacosane	394	C28H58	000630-02-4	83
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83





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Quant Title : SVOA CALIBRATION

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

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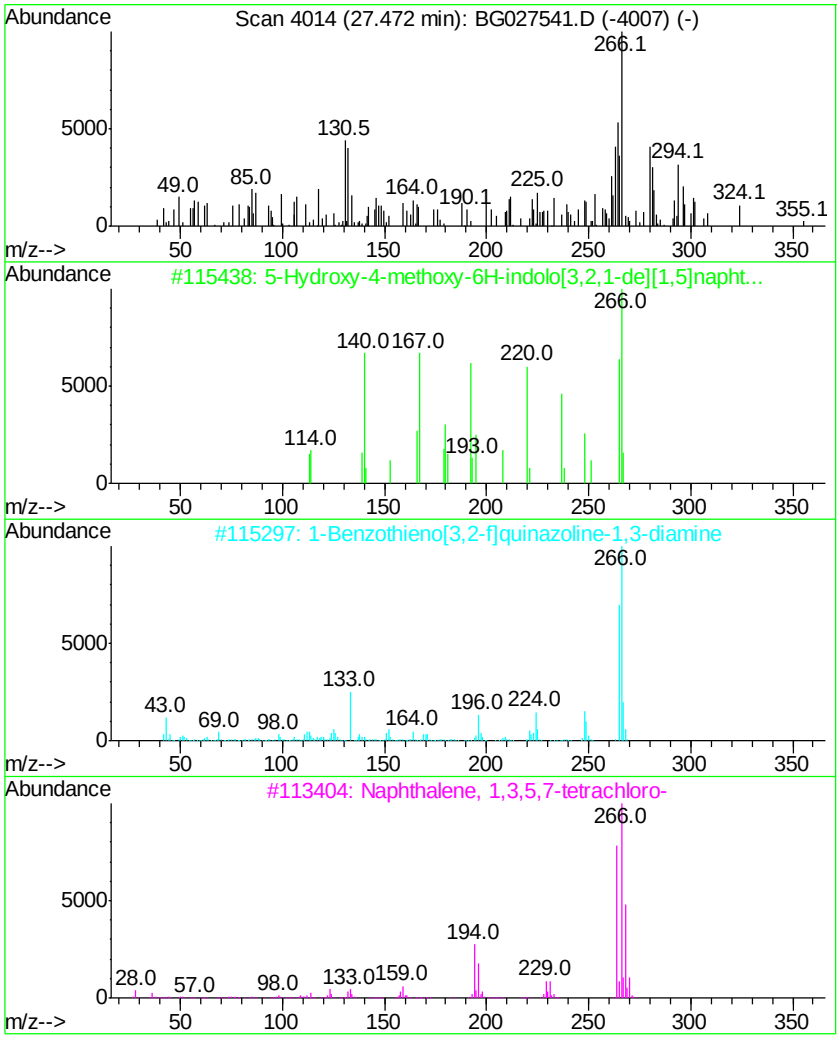
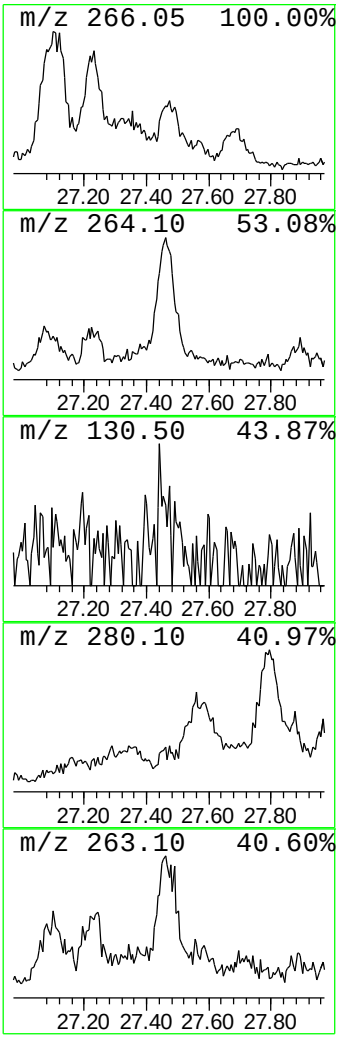
Peak Number 32 unknown-04 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.47	3.20 ng/ul	139576	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	30
2	1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	25
3	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	25
4	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	25
5	Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C97

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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
1H-Indene, 2-phenyl-	18.72	3.0	ng/ul	111564	4	17.85	735997	20.0
Phenanthrene, 2-m...	18.77	3.4	ng/ul	125515	4	17.85	735997	20.0
Anthracene, 1-met...	18.91	5.4	ng/ul	199805	4	17.85	735997	20.0
Naphthalene, 2-ph...	19.21	2.8	ng/ul	103641	4	17.85	735997	20.0
9,10-Anthracenedione	19.25	3.9	ng/ul	142722	4	17.85	735997	20.0
Phenanthrene, 2,5...	19.62	4.9	ng/ul	179413	4	17.85	735997	20.0
Cyclopenta(def)ph...	19.76	6.1	ng/ul	224002	4	17.85	735997	20.0
unknown-01	19.94	2.1	ng/ul	78169	4	17.85	735997	20.0
4-Azapyrene	19.97	2.1	ng/ul	78970	4	17.85	735997	20.0
Pyrene, 1-methyl-	20.57	3.0	ng/ul	461738	5	22.23	3132200	20.0
11H-Benzo[a]fluor...	21.56	3.5	ng/ul	542906	5	22.23	3132200	20.0
Anthra(1,2-b)thio...	21.76	3.9	ng/ul	609689	5	22.23	3132200	20.0
Cyclopenta(cd)pyr...	21.81	2.1	ng/ul	327422	5	22.23	3132200	20.0
unknown-02	21.87	2.7	ng/ul	428286	5	22.23	3132200	20.0
9-Ethyl-7H-benzo[...	22.54	3.1	ng/ul	486624	5	22.23	3132200	20.0
2-Methylchrysene	23.05	4.7	ng/ul	732836	5	22.23	3132200	20.0
Benz[a]anthracene...	23.13	2.5	ng/ul	393222	5	22.23	3132200	20.0
9H-Cyclopenta[a]p...	23.36	3.1	ng/ul	485691	5	22.23	3132200	20.0
9H-Fluorene, 9-(p...	24.29	12.4	ng/ul	540512	6	25.89	871265	20.0
1,2'-Binaphthalene	24.49	4.1	ng/ul	180121	6	25.89	871265	20.0
Benz(a)anthracene...	24.58	2.4	ng/ul	102656	6	25.89	871265	20.0
Dinaphtho[1,2-b:1...	24.92	2.1	ng/ul	92537	6	25.89	871265	20.0
Benz[e]acephenant...	25.02	10.0	ng/ul	434644	6	25.89	871265	20.0
Benzo[e]pyrene	25.55	6.7	ng/ul	291037	6	25.89	871265	20.0
10-Methylbenzo(a)...	26.01	4.8	ng/ul	209160	6	25.89	871265	20.0
unknown-03	26.89	2.6	ng/ul	113802	6	25.89	871265	20.0
(DEL) Alkane: Str...	27.15	7.7	ng/ul	336898	6	25.89	871265	20.0
unknown-04	27.47	3.2	ng/ul	139576	6	25.89	871265	20.0