LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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_N\METHODS\SOM-EPA-BN012220MA.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	6.652	612	623	635	rBV2	448285	839015	3.88%	0.454%
2	6.811	644	650	662	rBV	342767	552686	2.56%	0.299%
3	6.993	674	681	696	rVB	441825	698037	3.23%	0.378%
4	7.452	752	759	767	rBV	737813	1118058	5.17%	0.606%
5	7.981	841	849	859	rBV	227639	402191	1.86%	0.218%
6	8.163	872	880	892	rBV	532971	835992	3.87%	0.453%
7	8.593	947	953	964	rVB	470014	747487	3.46%	0.405%
8	9.305	1068	1074	1081	rVB	376787	598243	2.77%	0.324%
9	9.840	1160	1165	1175	rVB	500748	849962	3.93%	0.460%
10	10.204	1218	1227	1232	rBV	1007753	1690761	7.82%	0.916%
11	10.352	1246	1252	1264	rBV	243981	464230	2.15%	0.251%
12	11.728	1478	1486	1494	rVV2	252023	754768	3.49%	0.409%
13	11.875	1505	1511	1520	rVB2	229671	446202	2.06%	0.242%
14	12.934	1681	1691	1698	rBV	407100	702364	3.25%	0.380%
15	13.510	1784	1789	1792	rVV	1082212	1626076	7.52%	0.881%
16	13.540	1792	1794	1801	rVV2	772010	1242694	5.75%	0.673%
17	13.775	1828	1834	1836	rBV	961044	1504550	6.96%	0.815%
18	13.804	1836	1839	1854	rVB	2147875	3039988	14.06%	1.646%
19	14.022	1871	1876	1881	rBV	635908	797510	3.69%	0.432%
20	14.087	1881	1887	1894	rBV	1390584	2022443	9.35%	1.095%
21	14.316	1920	1926	1935	rBV2	344120	623124	2.88%	0.337%
22	14.704	1986	1992	1998	rBV2	254561	565303	2.61%	0.306%
23	14.981	2032	2039	2044	rVB2	542785	927123	4.29%	0.502%
24	15.087	2044	2057	2063	rBV	1451861	2237674	10.35%	1.212%
25	15.234	2077	2082	2085	rBV2	411700	625938	2.89%	0.339%
26	15.845	2178	2186	2189	rBV3	454902	906525	4.19%	0.491%
27	16.422	2276	2284	2290	rBV2	366343	618222	2.86%	0.335%
28	16.839	2350	2355	2359	rBV	1669058	2181593	10.09%	1.182%
29	16.881	2359	2362	2366	rVV	449353	592740	2.74%	0.321%
30	16.939	2367	2372	2375	rVV	1315108	1843735	8.53%	0.999%
31	16.975	2375	2378	2383	rVB	777958	973684	4.50%	0.527%
32	17.034	2383	2388	2394	rBV5	294926	647239	2.99%	0.351%
33	17.257	2422	2426	2430	rBV3	257992	387871	1.79%	0.210%
34	17.369	2441	2445	2452	rVB2	529195	797349	3.69%	0.432%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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_N\METHODS\SOM-EPA-BN012220MA.M
Title : SVOA CALIBRATION

35	17.534	2467	2473	2483	rVB2	633613	1256969	5.81%	0.681%
36	17.657	2488	2494	2497	rBV2	223610	381190	1.76%	0.206%
37	17.769	2508	2513	2520	rVB3	579089	904570	4.18%	0.490%
38	17.845	2522	2526	2530	rBV2	279089	365147	1.69%	0.198%
39	17.904	2531	2536	2546	rVB2	1192645	2298087	10.63%	1.245%
40	18.039	2555	2559	2562	rBV	306824	426625	1.97%	0.231%
41	18.192	2580	2585	2586	rVV3	228234	388396	1.80%	0.210%
42	18.222	2587	2590	2595	rVV2	549487	844505	3.91%	0.457%
43	18.475	2630	2633	2637	rVV2	398551	568800	2.63%	0.308%
44	18.528	2637	2642	2645	rVB	458016	610062	2.82%	0.330%
45	18.563	2645	2648	2653	rVB	395824	517133	2.39%	0.280%
46	18.645	2653	2662	2668	rBV3	1695449	3476111	16.08%	1.883%
47	18.710	2668	2673	2677	rVV2	989103	1563385	7.23%	0.847%
48	18.792	2682	2687	2694	rBV	2974071	4783438	22.12%	2.591%
49	18.910	2700	2707	2714	rBV	5176856	7334949	33.92%	3.972%
50	18.986	2714	2720	2723	rVV	582946	891084	4.12%	0.483%
51	19.022	2723	2726	2730	rVV3	310614	567690	2.63%	0.307%
52	19.063	2730	2733	2737	rVB	868809	1009271	4.67%	0.547%
53	19.180	2746	2753	2760	rVB	785177	1393806	6.45%	0.755%
54	19.281	2760	2770	2778	rBV	13838544	21622279	100.00%	11.710%
55	19.363	2780	2784	2789	rVB3	414519	640593	2.96%	0.347%
56	19.516	2806	2810	2817	rVB6	493348	917952	4.25%	0.497%
57	19.610	2821	2826	2836	rVV3	1546807	2935903	13.58%	1.590%
58	19.692	2837	2840	2844	rVV3	283378	455219	2.11%	0.247%
59	19.751	2844	2850	2851	rVV3	1579490	2520929	11.66%	1.365%
60	19.780	2852	2855	2861	rVV	2087653	3087029	14.28%	1.672%
61	19.839	2862	2865	2868	rVV4	390349	576898	2.67%	0.312%
62	19.880	2868	2872	2878	rVV	1795785	2568372	11.88%	1.391%
63	19.939	2878	2882	2886	rVV	2369669	3136590	14.51%	1.699%
64	20.033	2894	2898	2901	rVV4	341464	607059	2.81%	0.329%
65	20.075	2901	2905	2909	rVV	1827759	2499025	11.56%	1.353%
66	20.122	2909	2913	2919	rVV2	2281369	3060928	14.16%	1.658%
67	20.257	2933	2936	2940	rVB3	287894	378088	1.75%	0.205%
68	20.333	2946	2949	2952	rBV3	378408	479489	2.22%	0.260%
69	20.380	2954	2957	2960	rBV	329221	483751	2.24%	0.262%
70	20.498	2972	2977	2980	rBV3	536185	1049416	4.85%	0.568%
71	20.663	3001	3005	3008	rBV4	447625	744527	3.44%	0.403%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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_N\METHODS\SOM-EPA-BN012220MA.M
Title : SVOA CALIBRATION

72	20.733	3014	3017	3021	rBV	1263587	1481199	6.85%	0.802%
73	20.769	3021	3023	3026	rBV	631246	723184	3.34%	0.392%
74	21.039	3064	3069	3075	rBV3	6675563	12648996	58.50%	6.850%
75	21.086	3075	3077	3084	rVB	3857044	5370726	24.84%	2.909%
76	21.257	3102	3106	3111	rVB	1184930	1626257	7.52%	0.881%
77	21.410	3129	3132	3136	rVB3	327932	433857	2.01%	0.235%
78	21.539	3150	3154	3157	rBV	644471	838153	3.88%	0.454%
79	21.592	3157	3163	3167	rVV2	2128266	3495542	16.17%	1.893%
80	21.639	3168	3171	3177	rVV2	1174637	1947169	9.01%	1.055%
81	21.704	3177	3182	3184	rVV2	856519	1455377	6.73%	0.788%
82	21.733	3185	3187	3190	rVV2	961064	1149634	5.32%	0.623%
83	21.774	3190	3194	3196	rVV2	1293021	1814785	8.39%	0.983%
84	21.804	3196	3199	3204	rVV2	1805365	2448723	11.32%	1.326%
85	21.874	3207	3211	3217	rVB	612606	825513	3.82%	0.447%
86	22.098	3246	3249	3255	rVB2	515377	760907	3.52%	0.412%
87	22.210	3265	3268	3272	rVB2	417080	572322	2.65%	0.310%
88	22.386	3295	3298	3316	rVB3	422386	1266722	5.86%	0.686%
89	22.557	3320	3327	3338	rVB3	2949534	8925824	41.28%	4.834%
90	22.710	3347	3353	3368	rVB	1451847	2660559	12.30%	1.441%
91	22.992	3395	3401	3405	rBV	1877714	3133768	14.49%	1.697%
92	23.033	3405	3408	3411	rVV	844889	1362771	6.30%	0.738%
93	23.080	3411	3416	3423	rVV	3632282	6556763	30.32%	3.551%
94	23.169	3426	3431	3435	rVV	1235152	2253580	10.42%	1.221%
95	23.216	3436	3439	3447	rVB3	481903	1011523	4.68%	0.548%
96	23.410	3468	3472	3477	rBV4	272934	643888	2.98%	0.349%
97	23.968	3562	3567	3580	rVB2	551940	1177101	5.44%	0.637%
98	25.233	3775	3782	3792	rVB	1284407	3290987	15.22%	1.782%
99	25.474	3817	3823	3830	rVB	390637	845693	3.91%	0.458%
100	25.863	3883	3889	3899	rVB	680013	1715328	7.93%	0.929%

Sum of corrected areas: 184643493

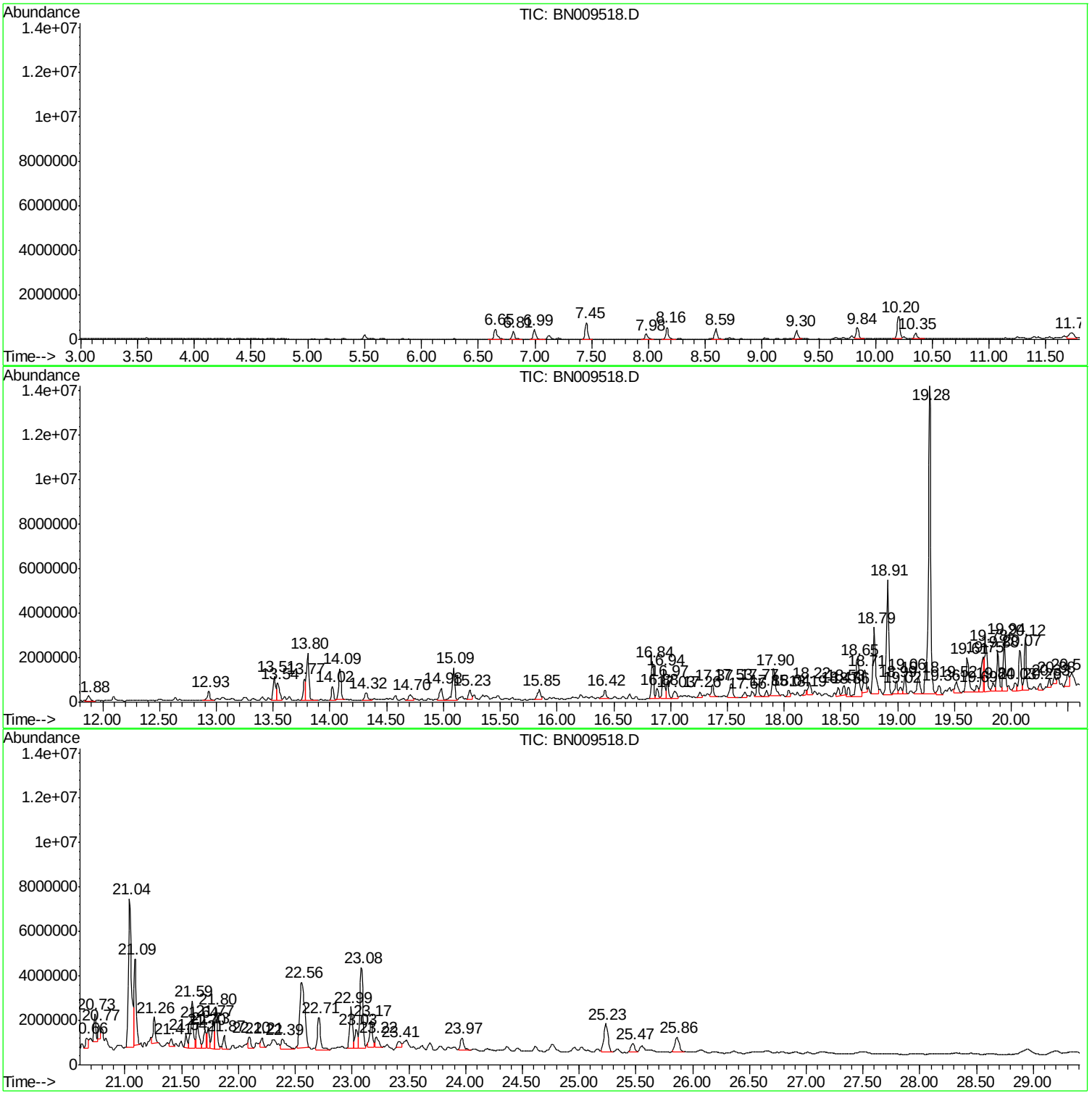
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.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 N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

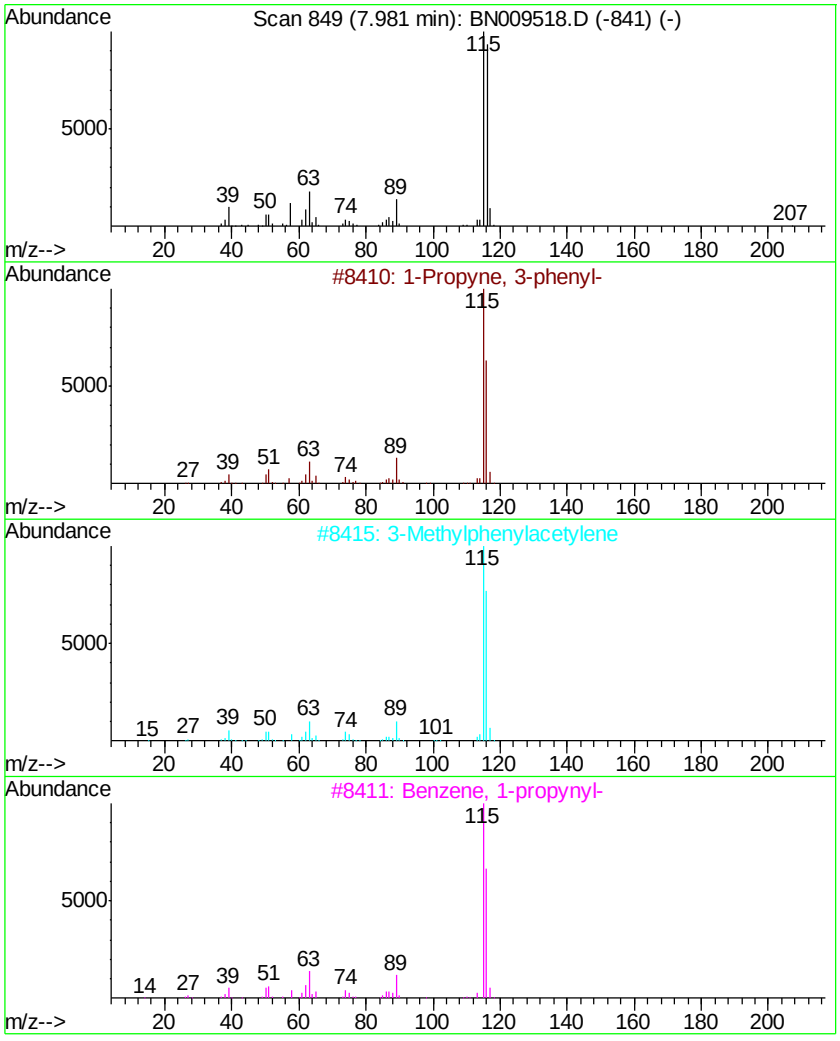
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

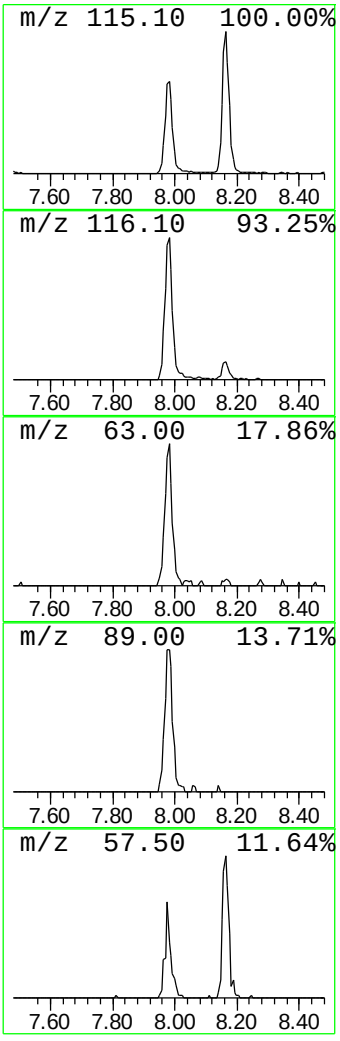
****

Peak Number 1 1-Propyne, 3-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	7.19 ng/ul	402191	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

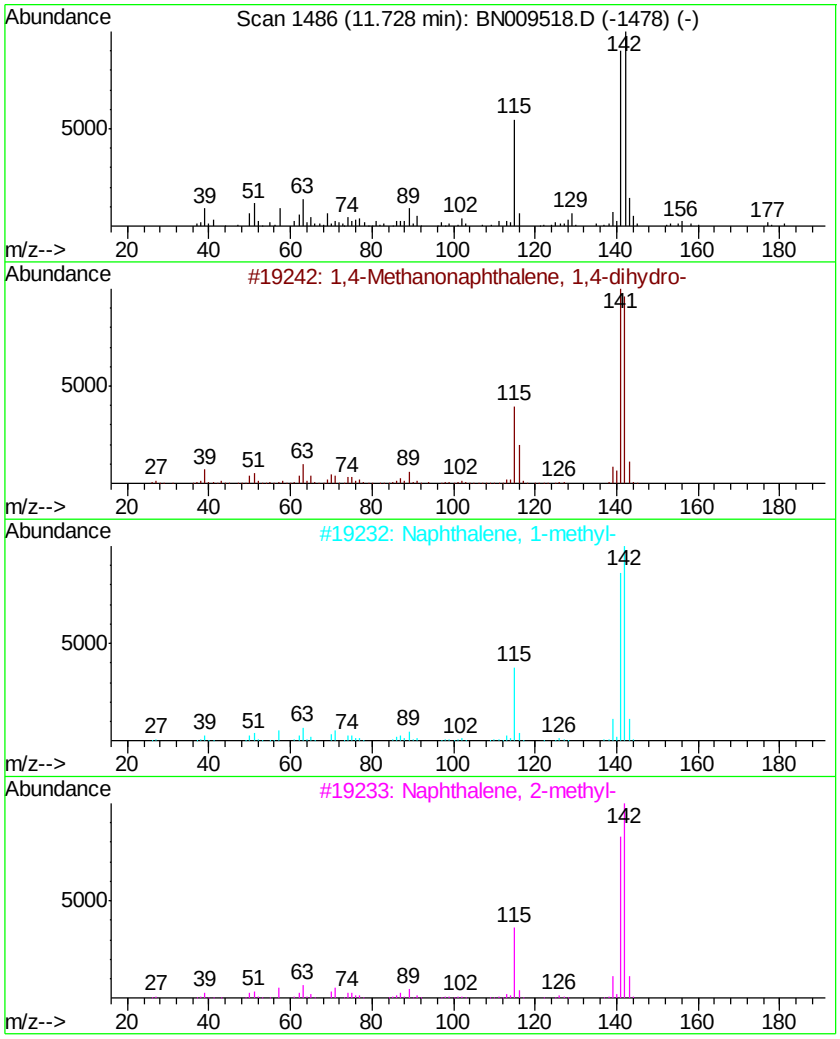
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

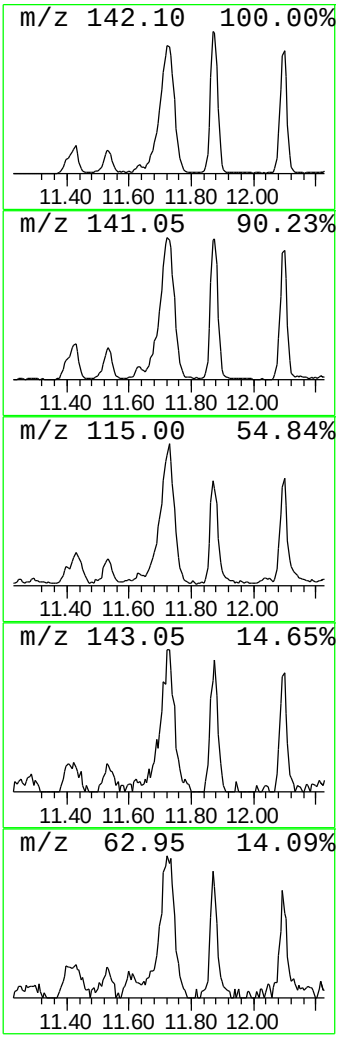
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,4-Methanonaphthalene, 1,4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	8.93 ng/ul	754768	Naphthalene-d8	10.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86
5	Benzocycloheptatriene	142	C11H10	000264-09-5	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

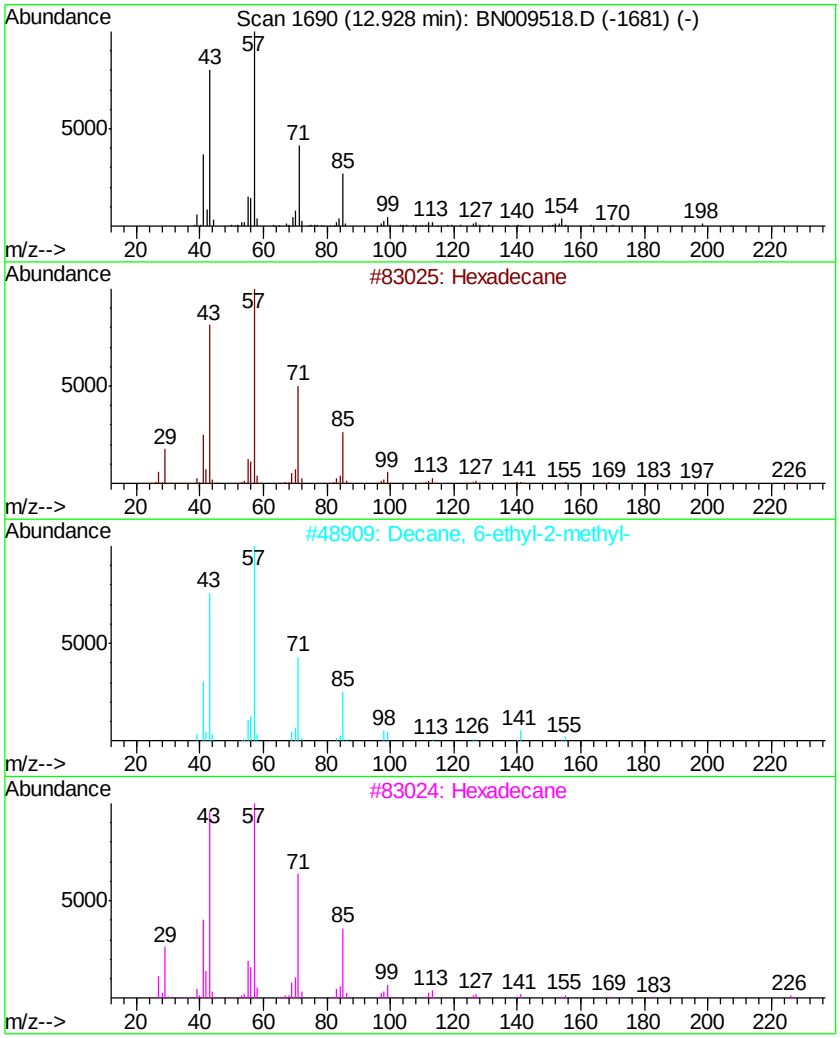
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

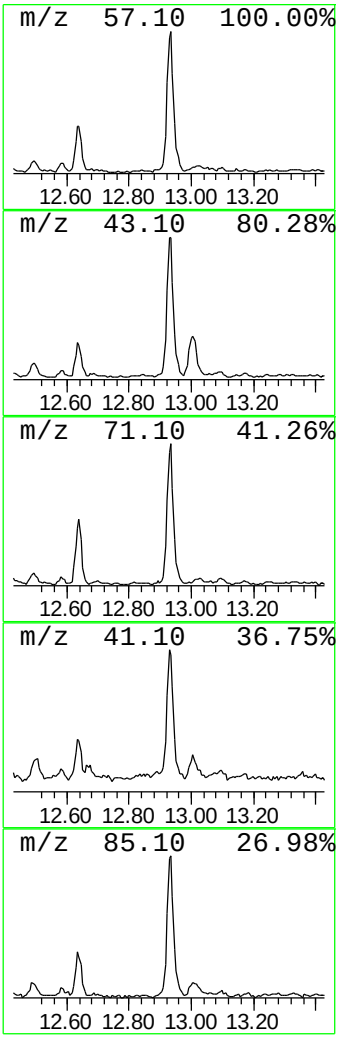
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	6.95 ng/ul	702364	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83
3	Hexadecane	226	C16H34	000544-76-3	80
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

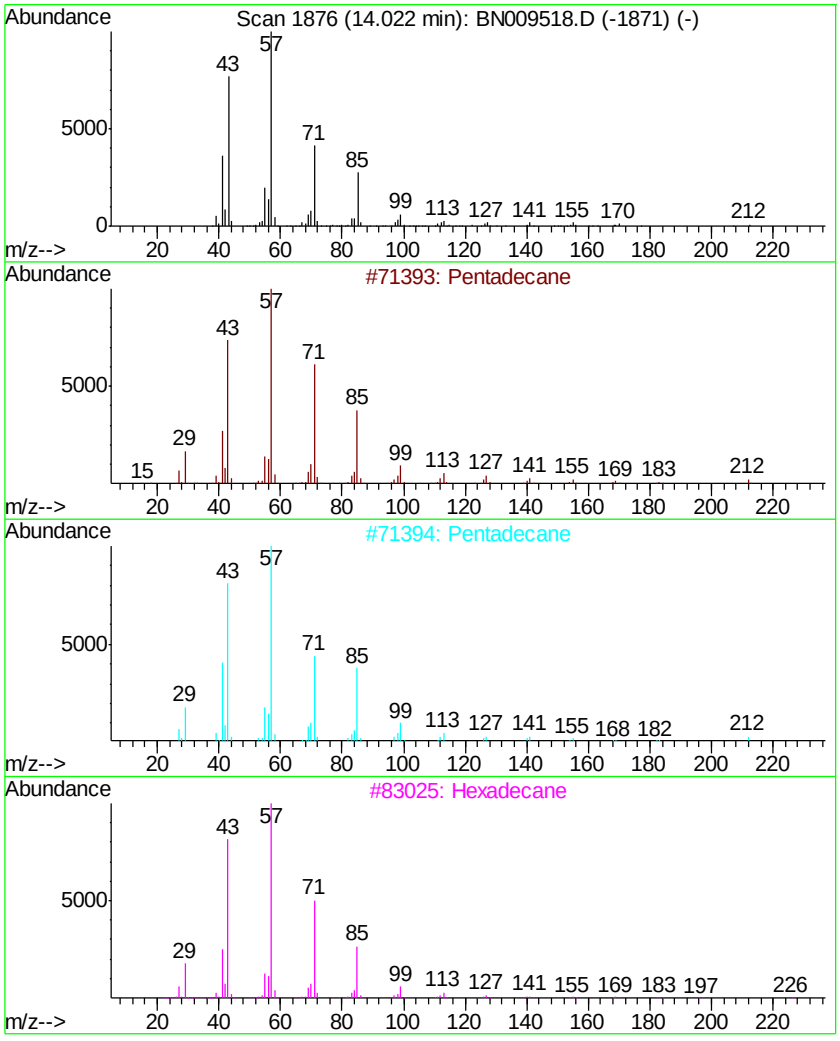
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

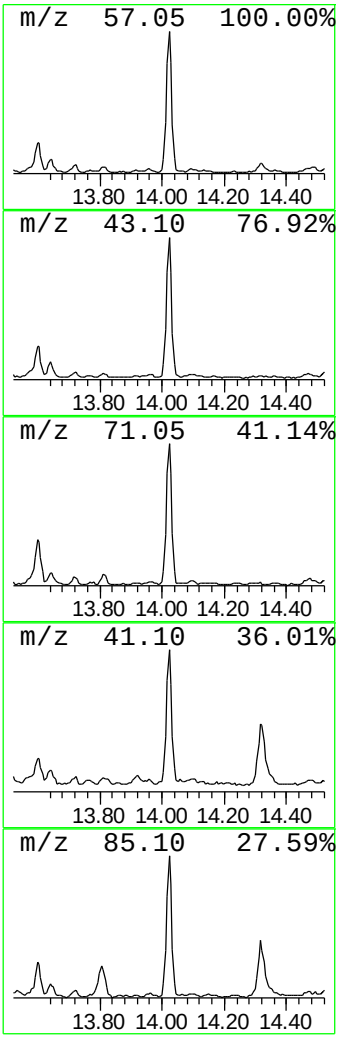
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	7.89 ng/ul	797510	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Pentadecane	212	C15H32	000629-62-9	94
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tridecane	184	C13H28	000629-50-5	90
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

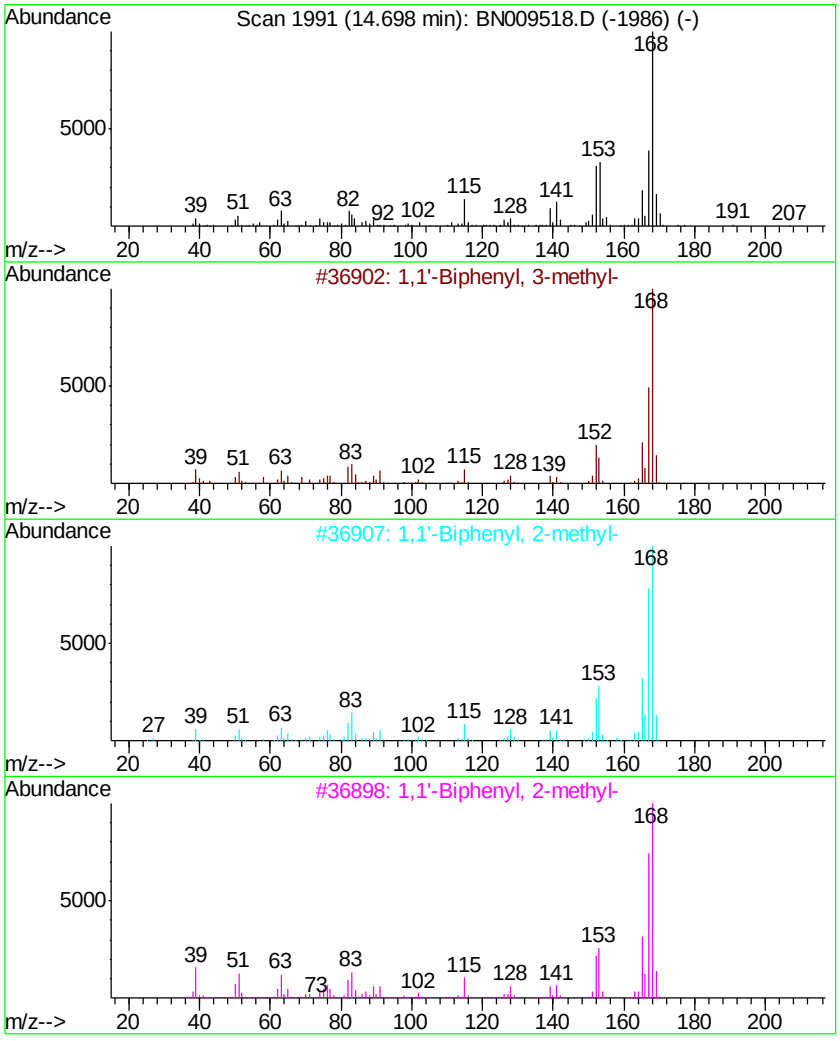
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

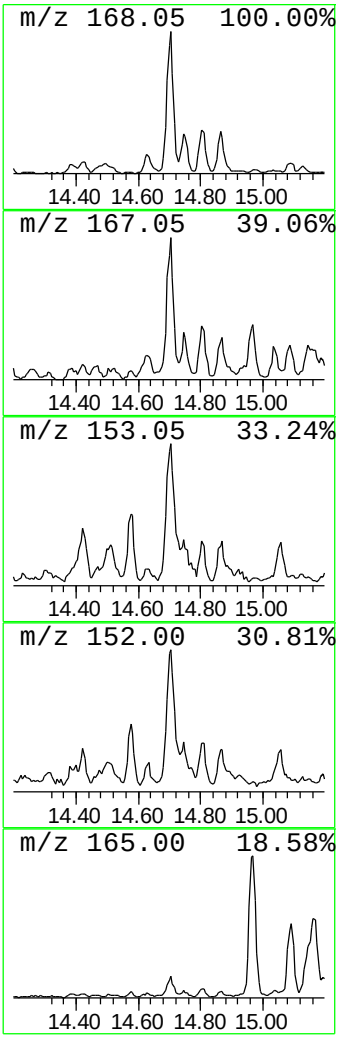
****

Peak Number 5 1,1'-Biphenyl, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	5.59 ng/ul	565303	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	70
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	47





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Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

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

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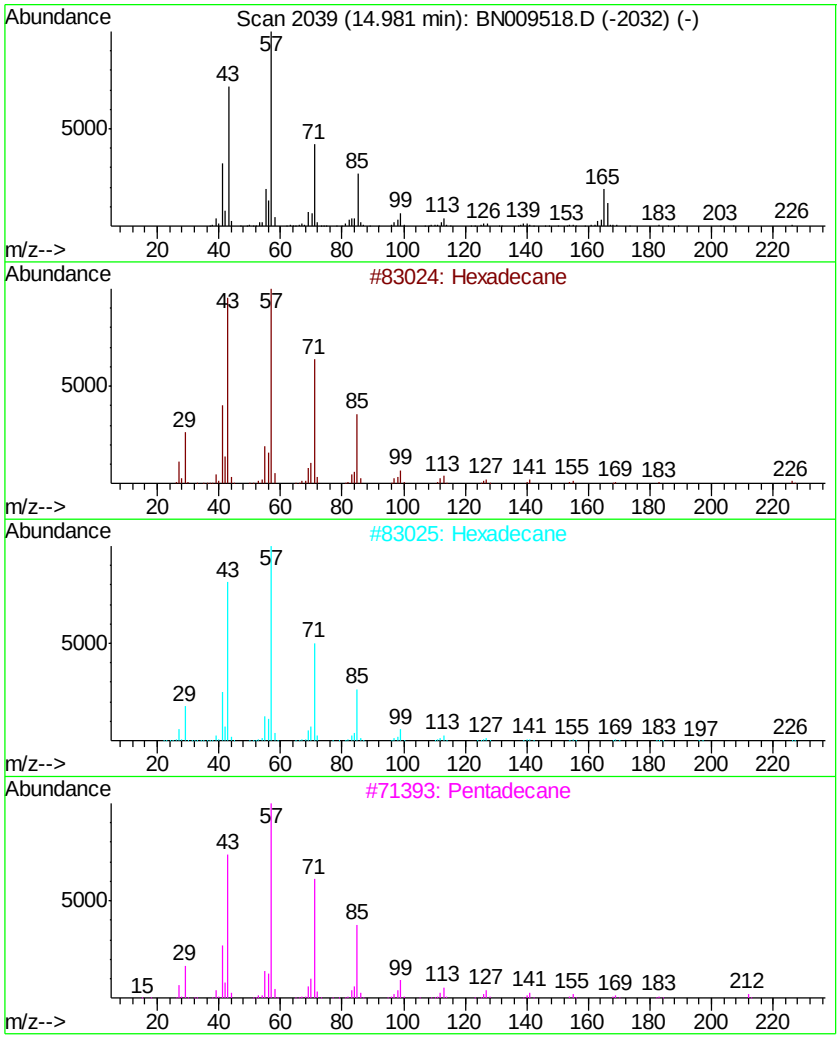
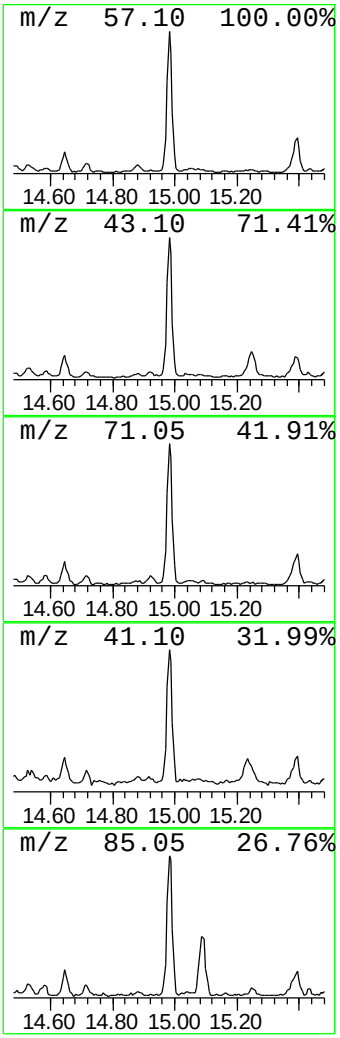
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	9.17 ng/ul	927123	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexadecane	226	C16H34	000544-76-3	68
3	Pentadecane	212	C15H32	000629-62-9	64
4	Decane, 3-methyl-	156	C11H24	013151-34-3	60
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	53





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Operator : CG/JU
Sample : L1271-12
Misc :
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Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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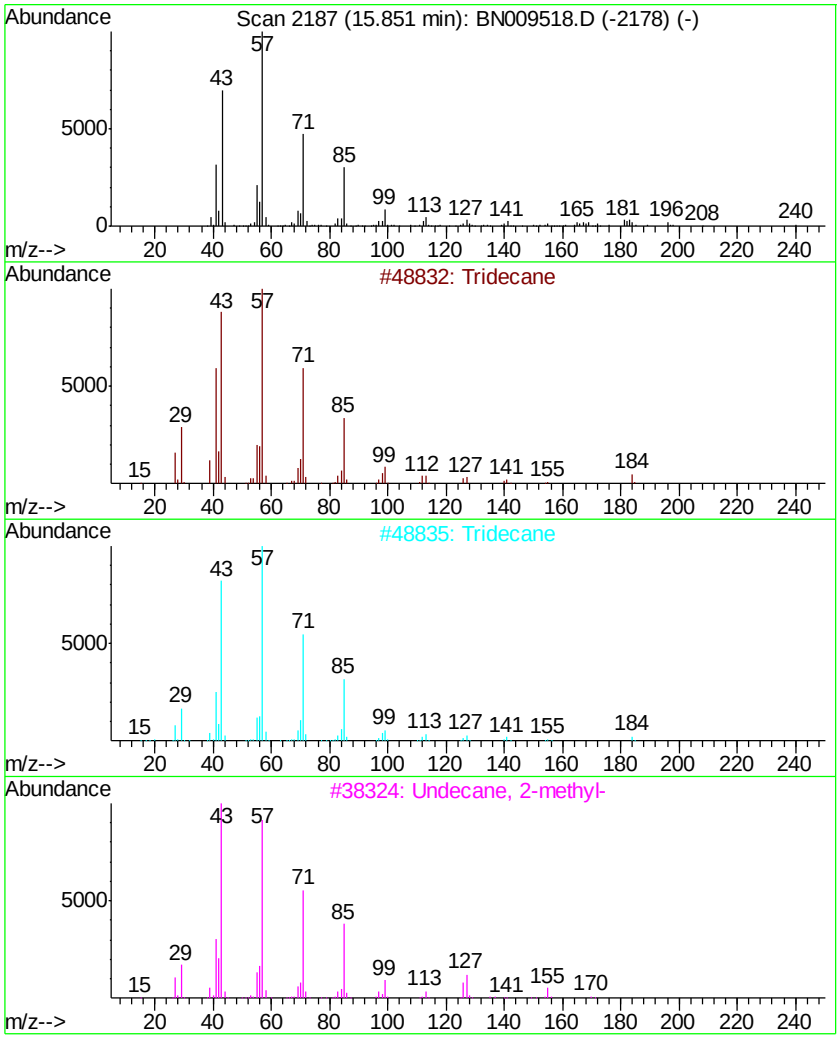
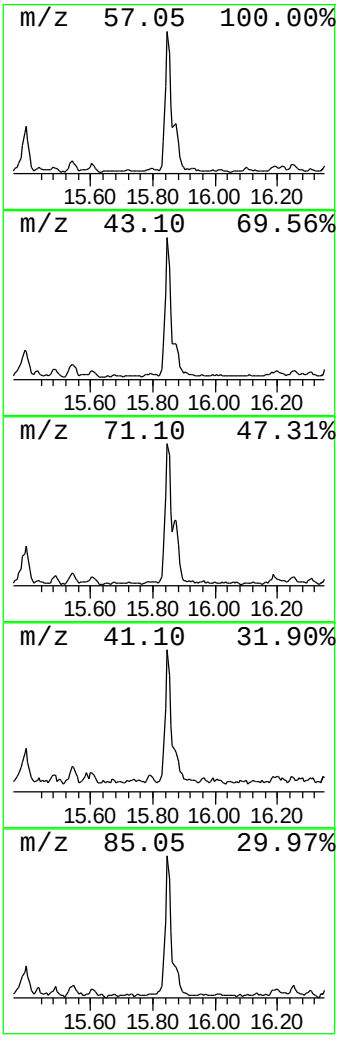
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	8.31 ng/ul	906525	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	72
2	Tridecane	184	C13H28	000629-50-5	72
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	68
4	Heptacosane	380	C27H56	000593-49-7	68
5	Hexadecane	226	C16H34	000544-76-3	68





Library Search Compound Report

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Sample : L1271-12
Misc :
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Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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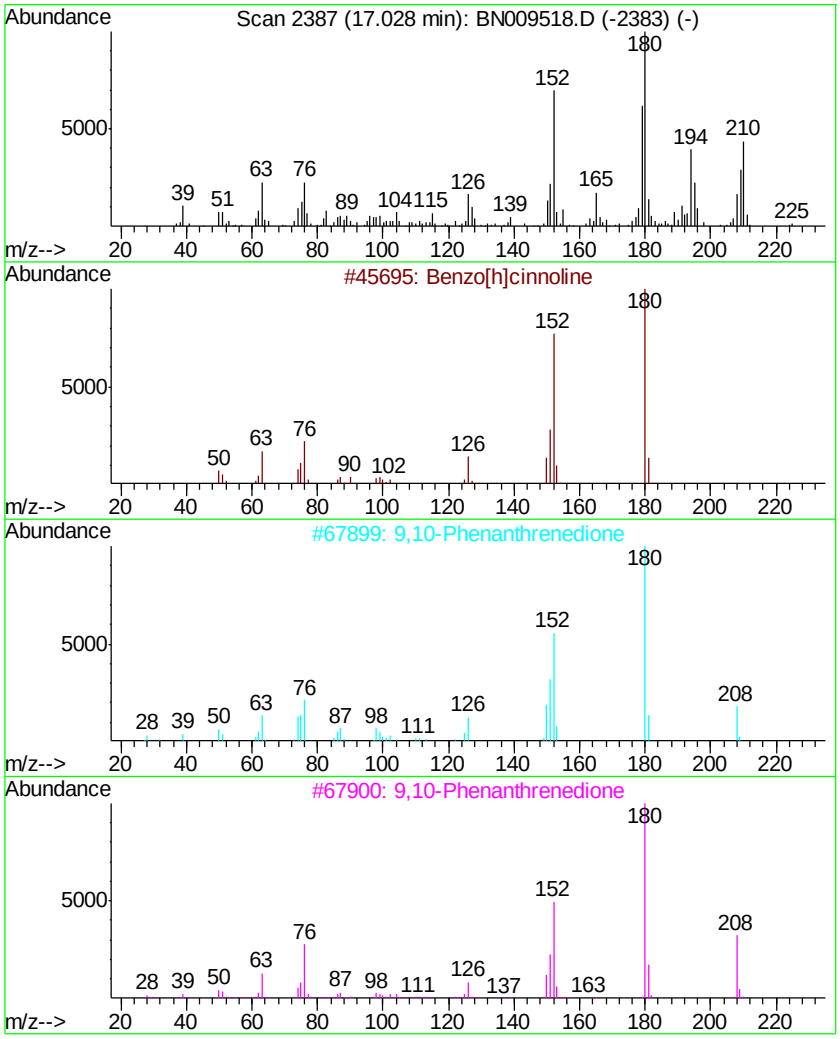
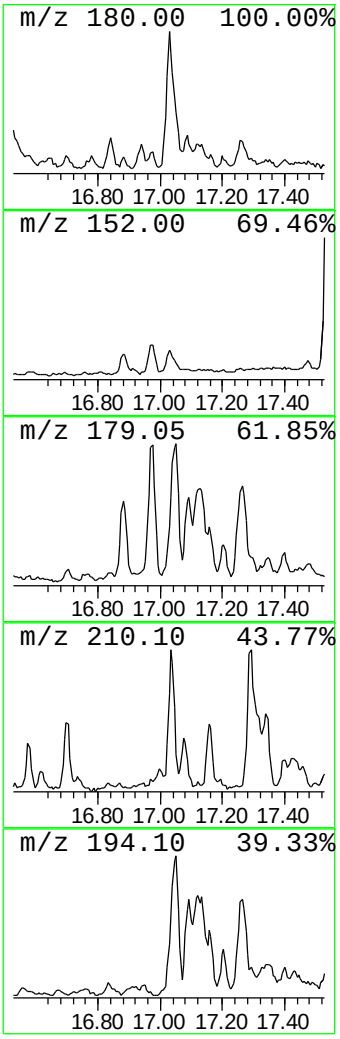
Peak Number 9 Benzo[h]cinnoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	5.93 ng/ul	647239	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	44





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Acq On : 31 Jan 2020 19:24
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Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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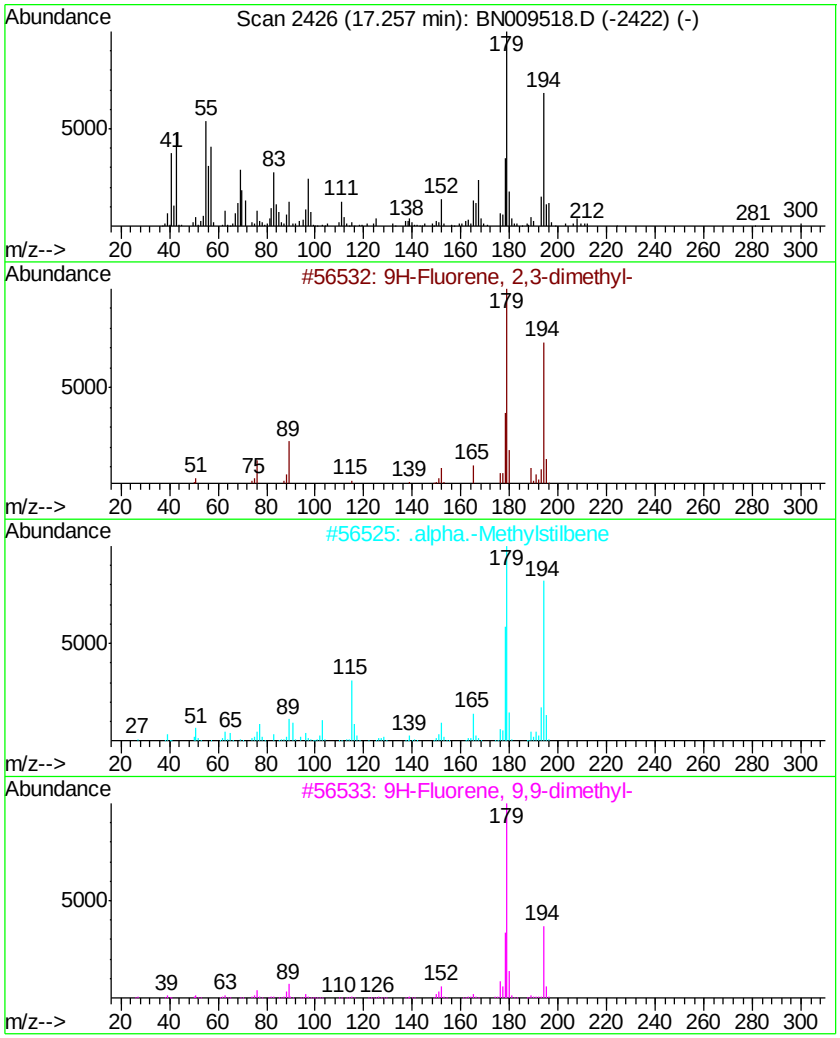
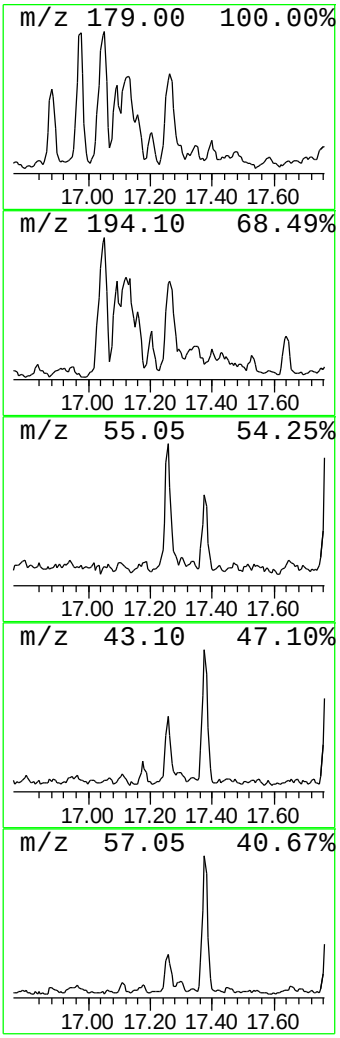
Peak Number 10 9H-Fluorene, 2,3-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	3.56 ng/ul	387871	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	89
2	.alpha.-Methylstilbene	194	C15H14	000779-51-1	83
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	62
4	Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	58
5	.alpha.-Methylstilbene	194	C15H14	000779-51-1	58





Library Search Compound Report

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Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

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

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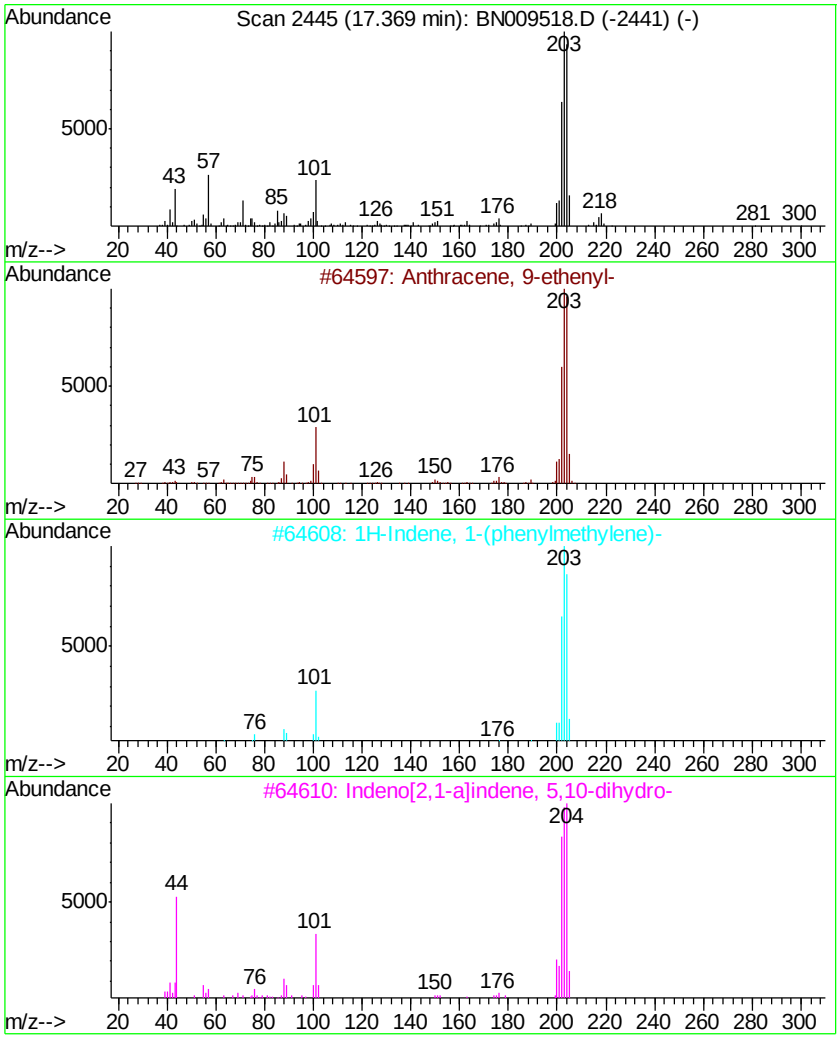
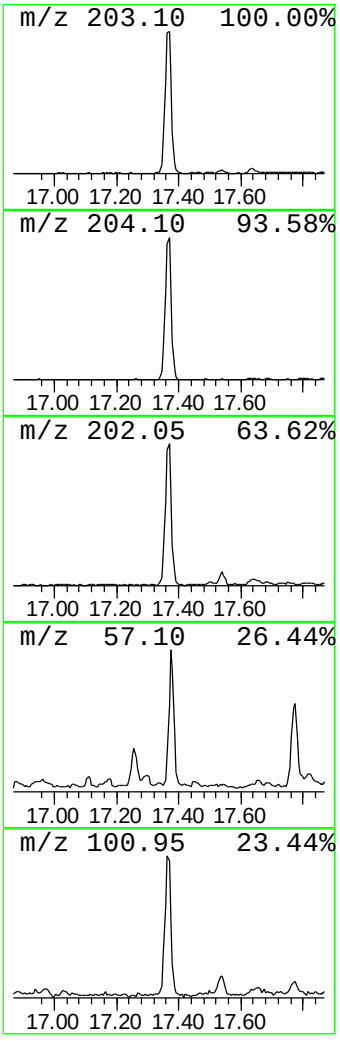
Peak Number 11 Anthracene, 9-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	7.31 ng/ul	797349	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	68
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	64
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	64





Library Search Compound Report

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Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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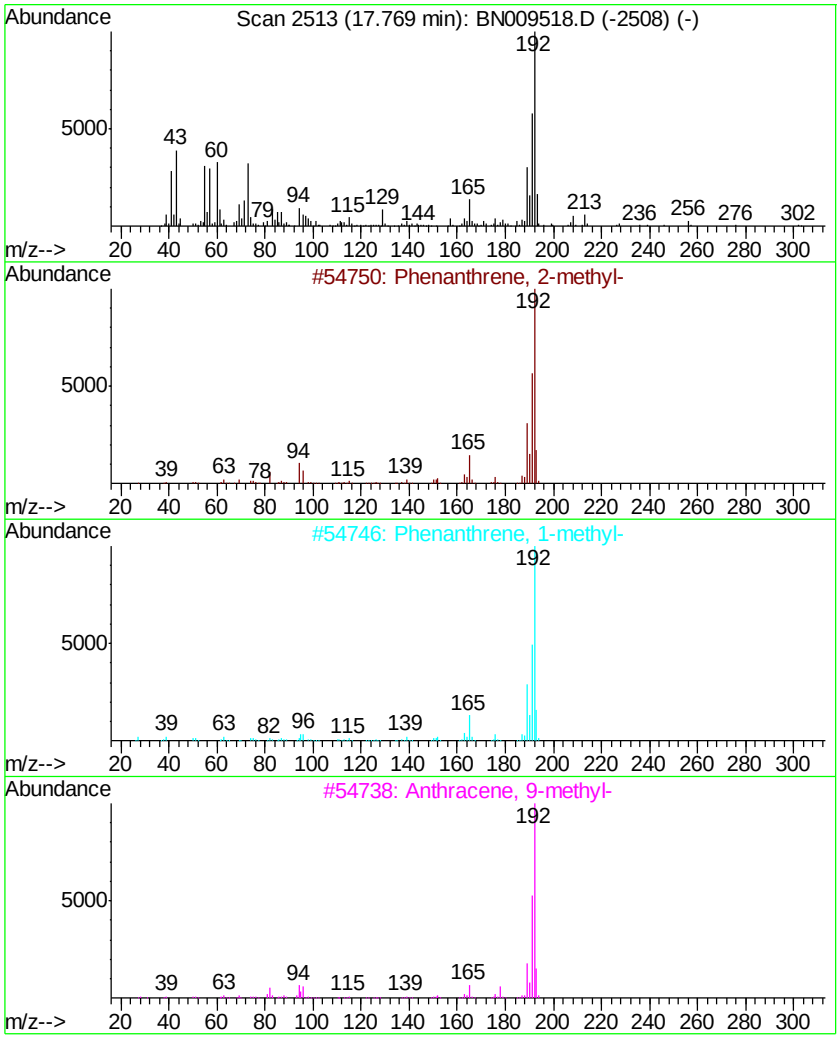
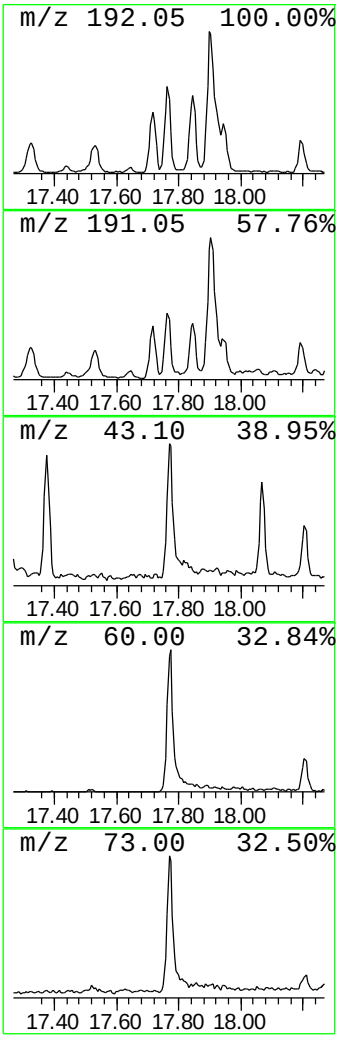
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	8.29 ng/ul	904570	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





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Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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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 Anthracene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	3.35 ng/ul	365147	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
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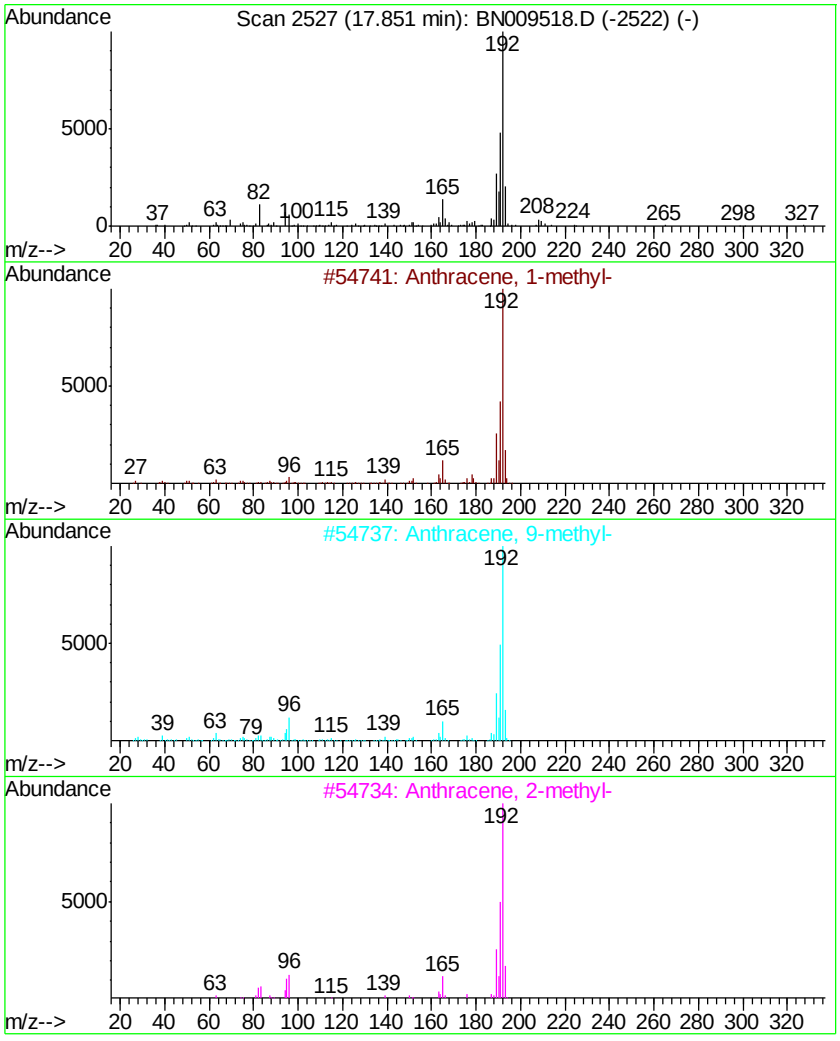

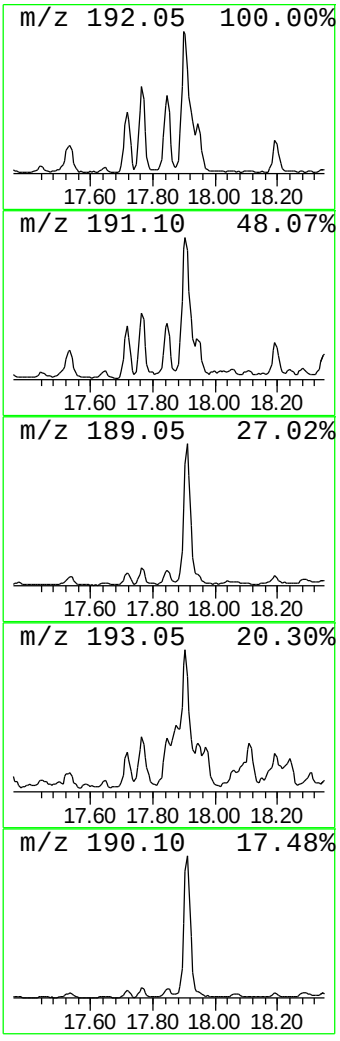

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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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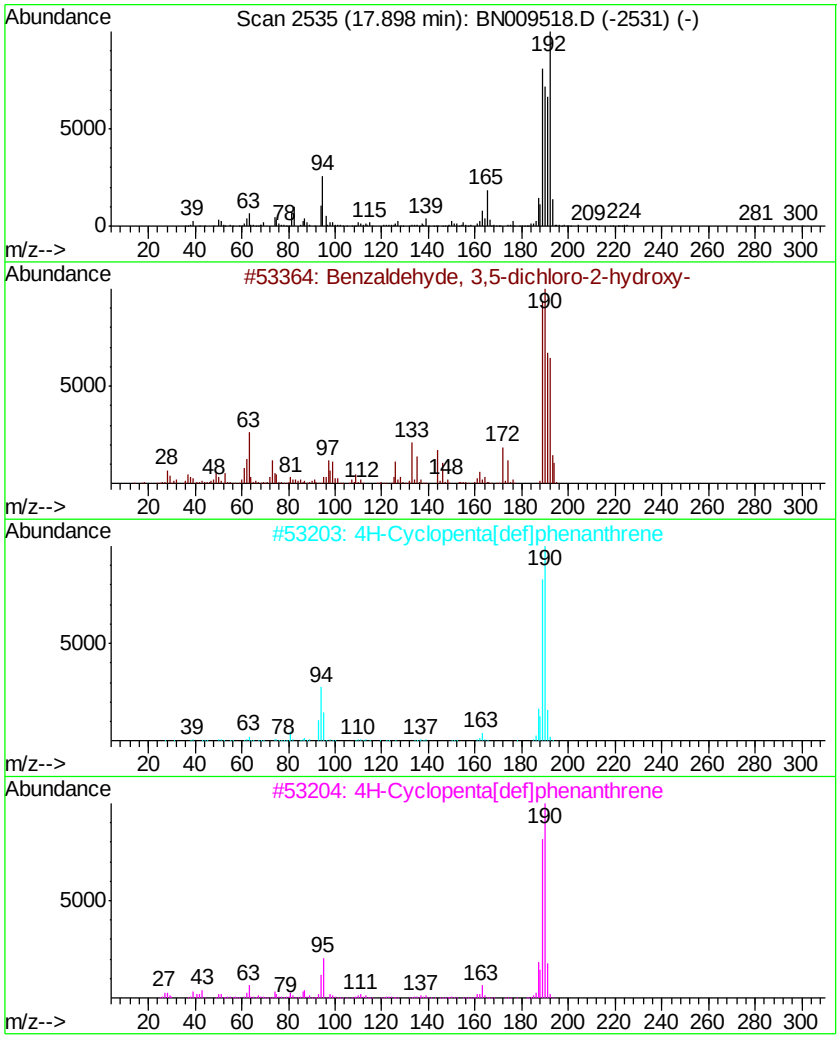
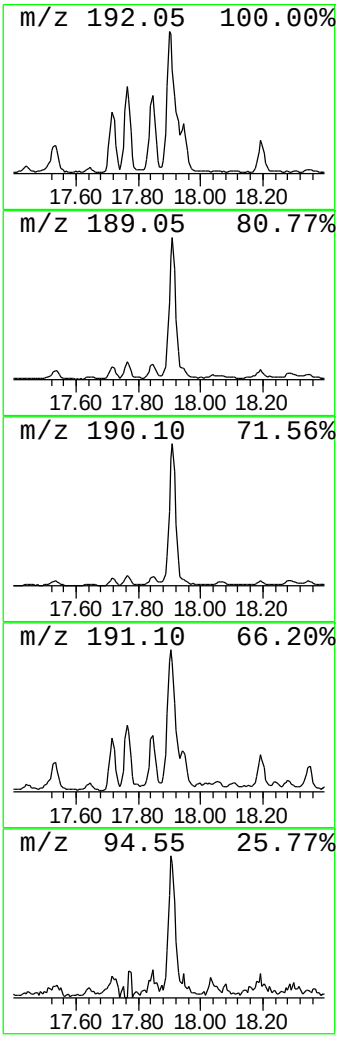
Peak Number 16 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	21.07 ng/ul	2298090	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42





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Sample : L1271-12
Misc :
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Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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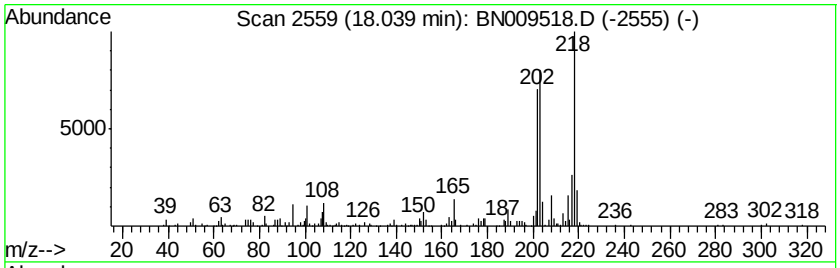
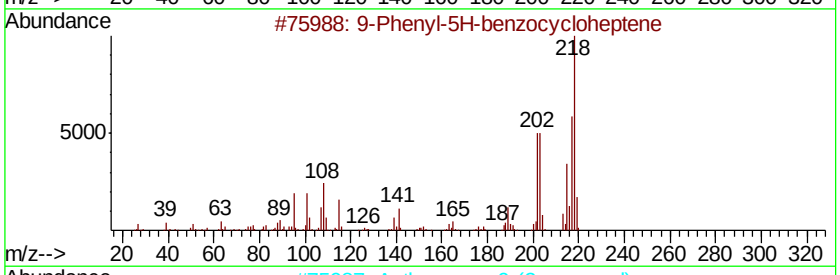
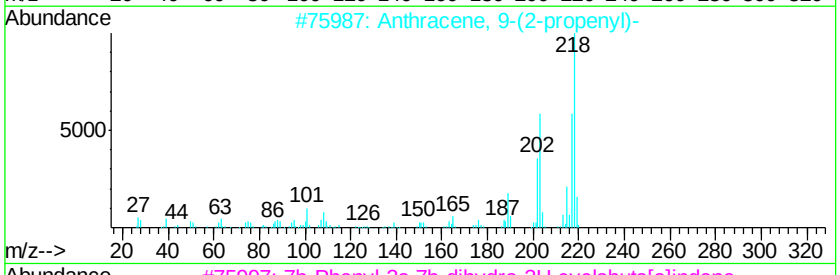
Peak Number 17 9-Phenyl-5H-benzocycloheptene Concentration Rank 35

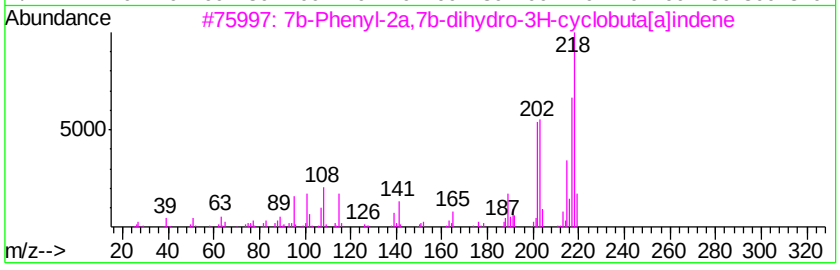
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.91 ng/ul	426625	Phenanthrene-d10	16.84

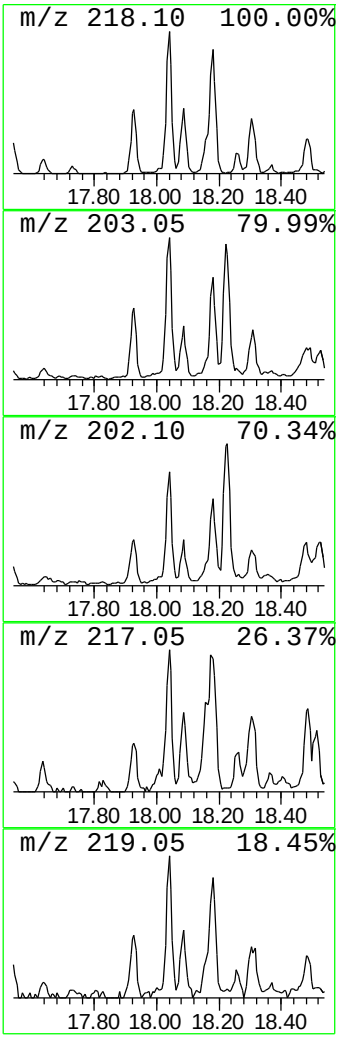
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	81
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	76
3	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	74
4	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	74
5	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	58











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Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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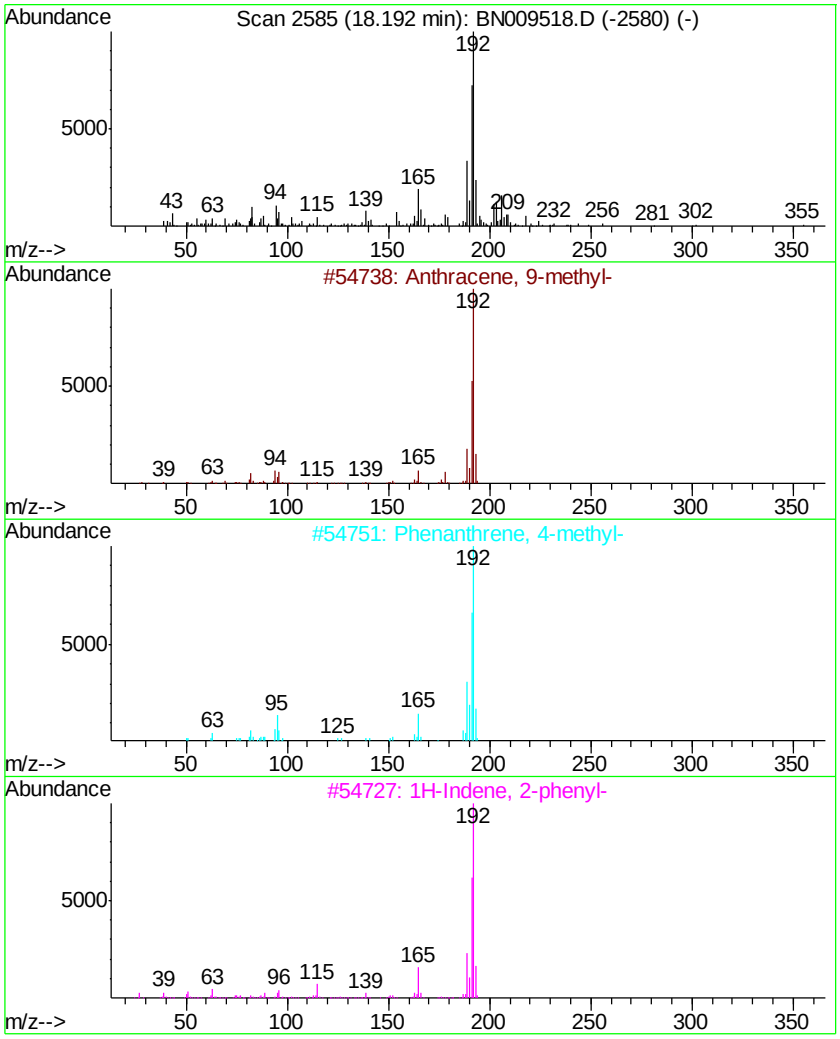
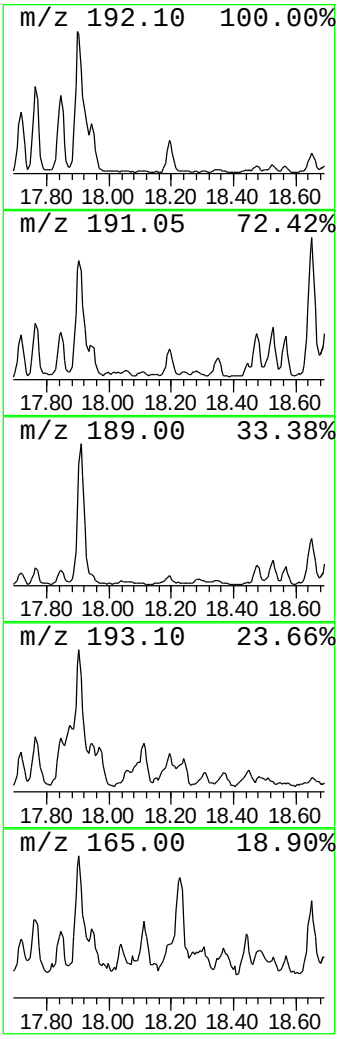
Peak Number 18 Anthracene, 9-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.56 ng/ul	388396	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	68
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	62





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Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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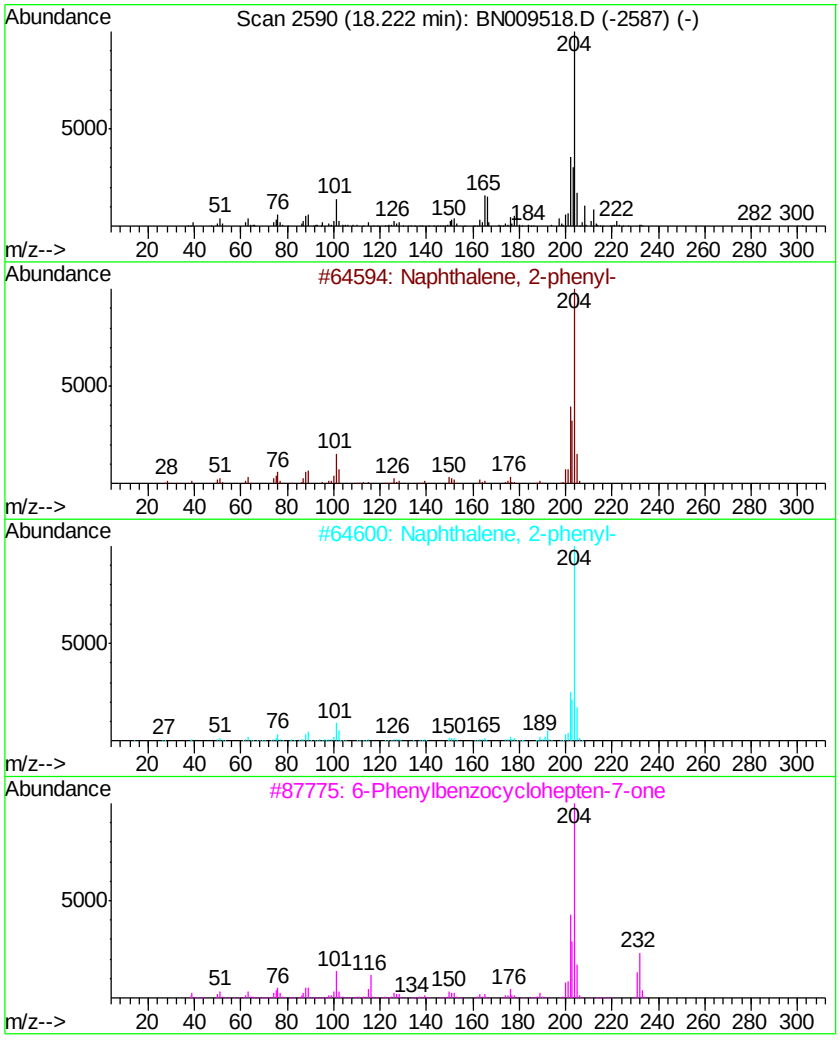
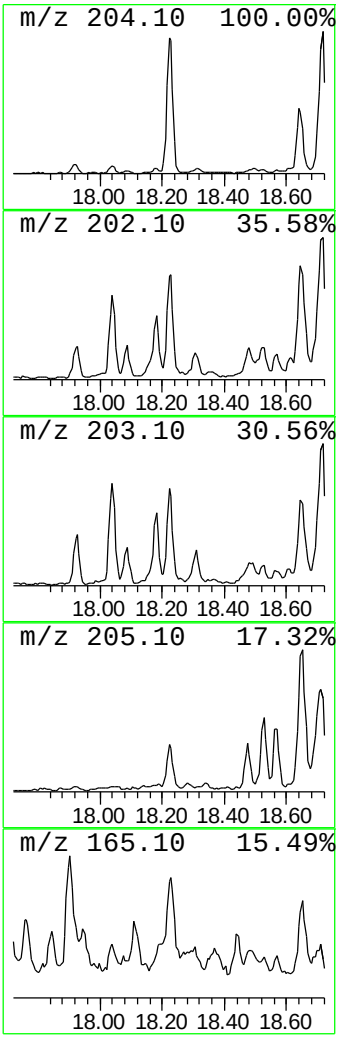
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	7.74 ng/ul	844505	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59





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Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION

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

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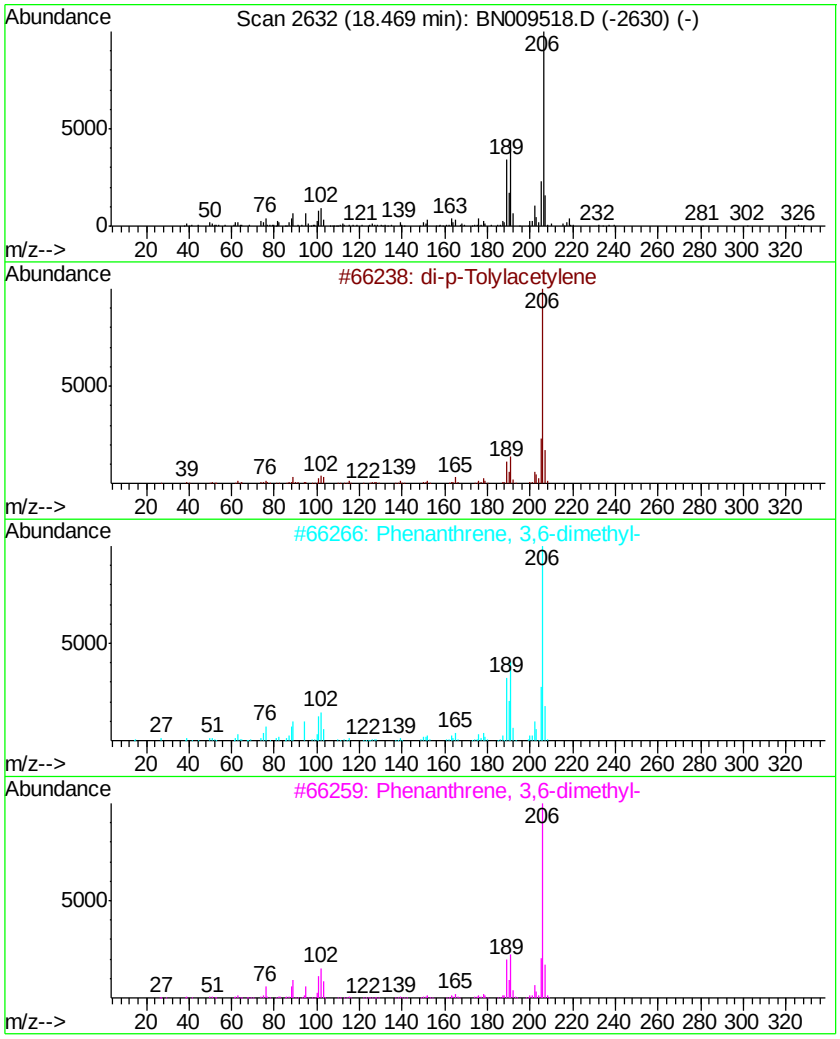
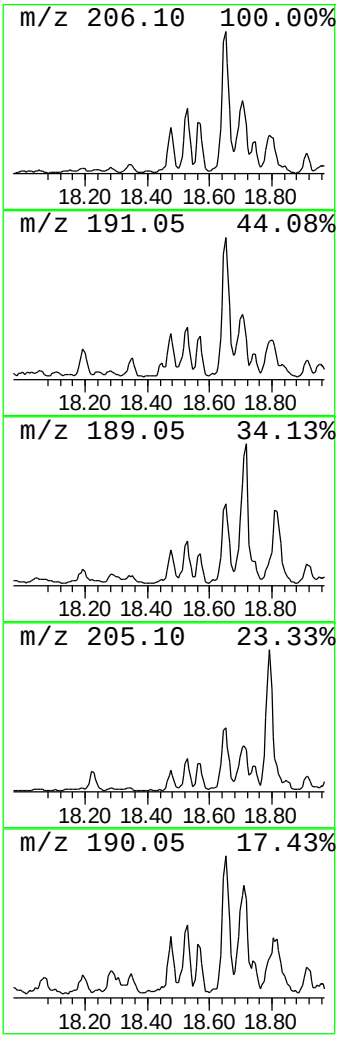
Peak Number 20 di-p-Tolylacetylene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	5.21 ng/ul	568800	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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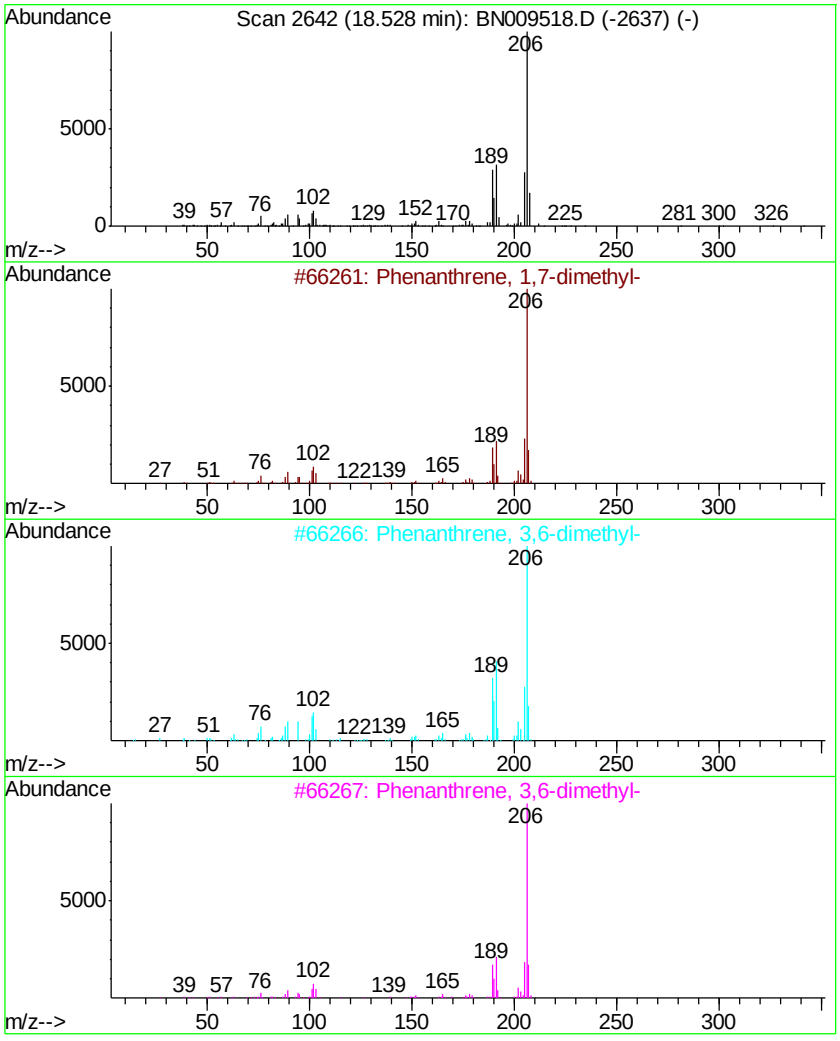
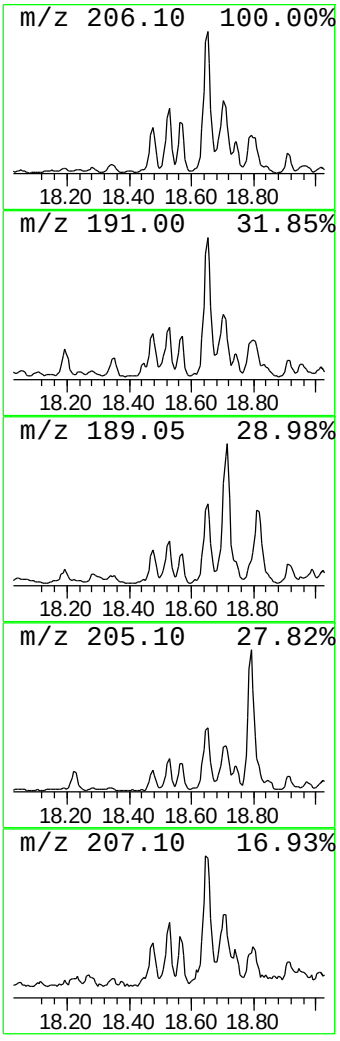
Peak Number 21 Phenanthrene, 1,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	5.59 ng/ul	610062	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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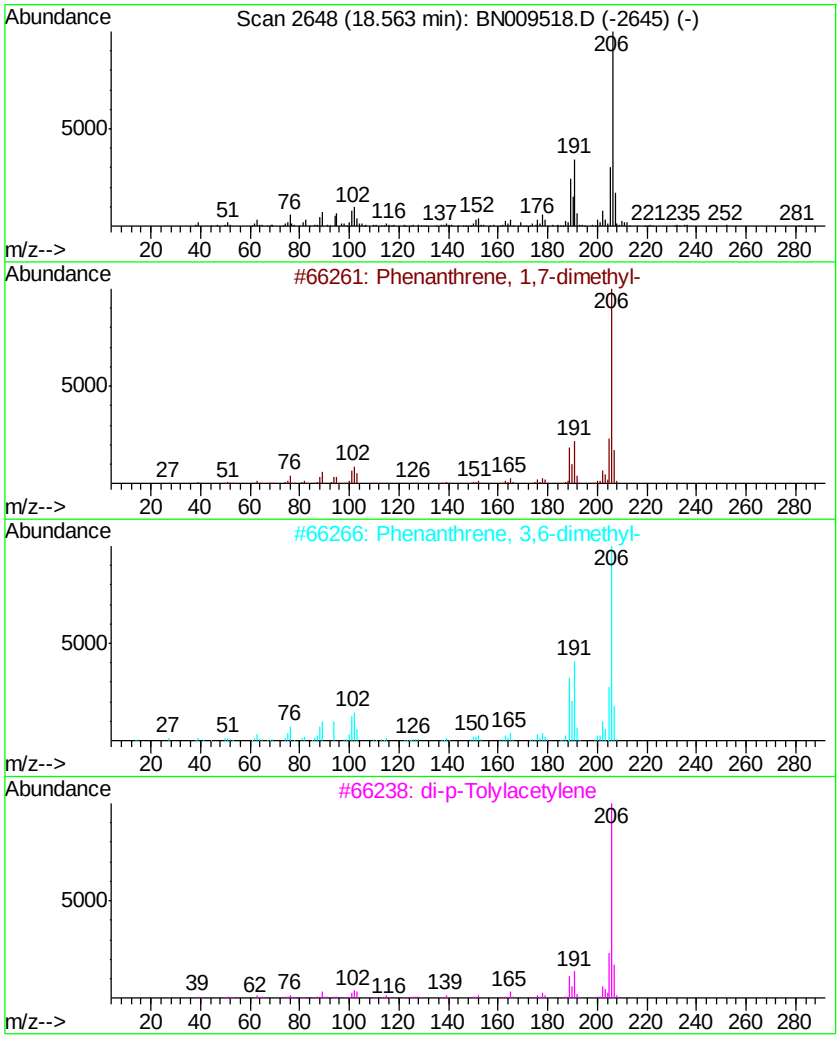
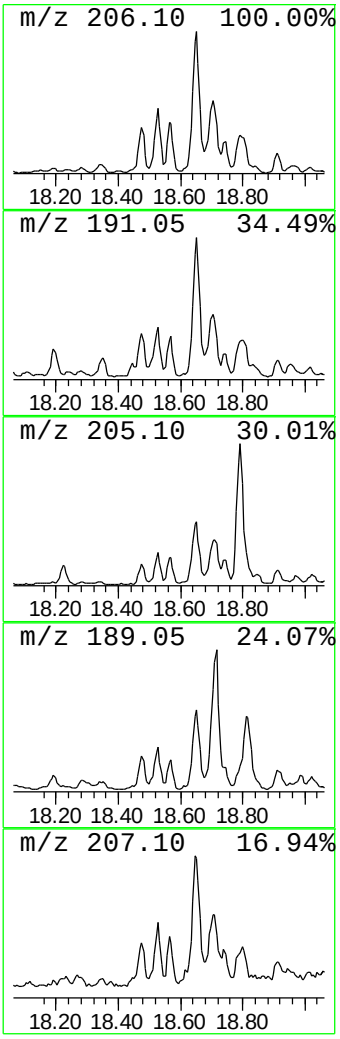
Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.74 ng/ul	517133	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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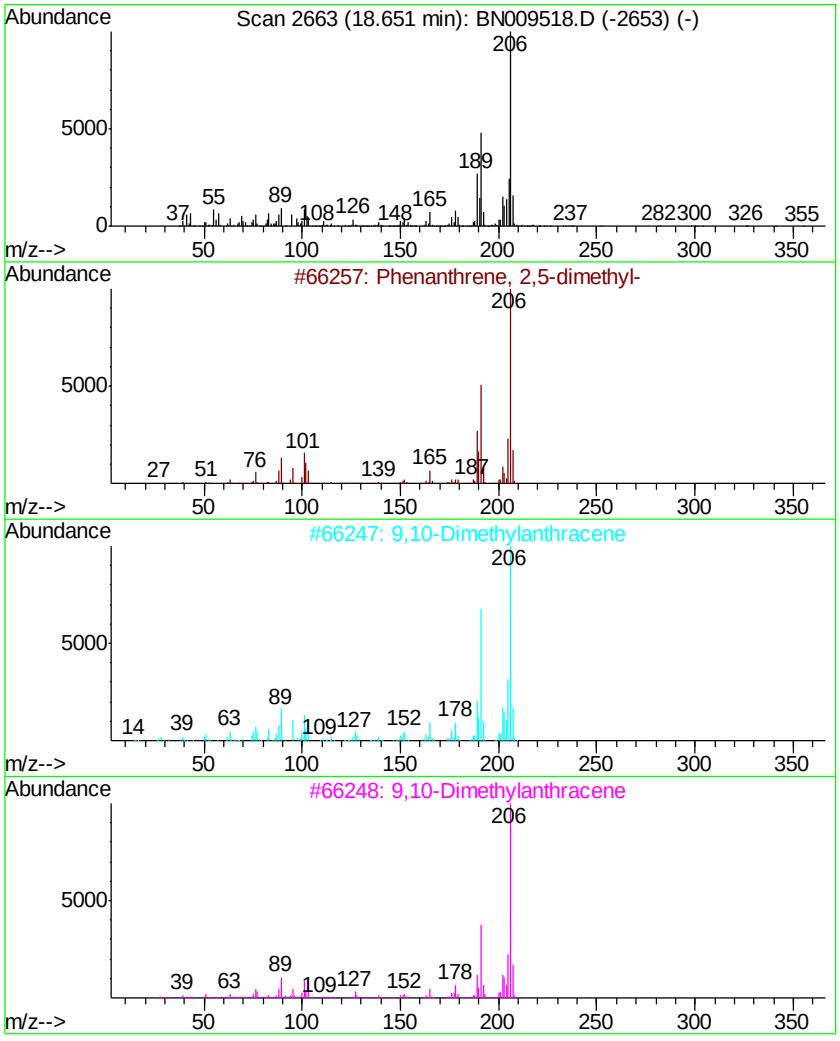
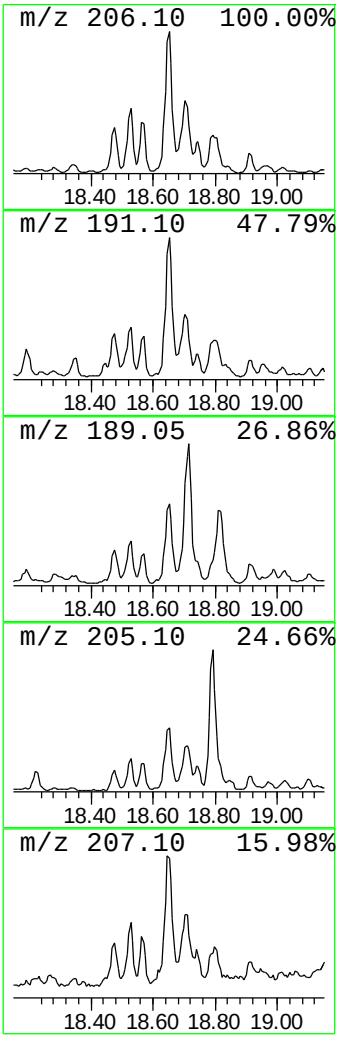
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	31.87 ng/ul	3476110	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Sample : L1271-12
Misc :
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Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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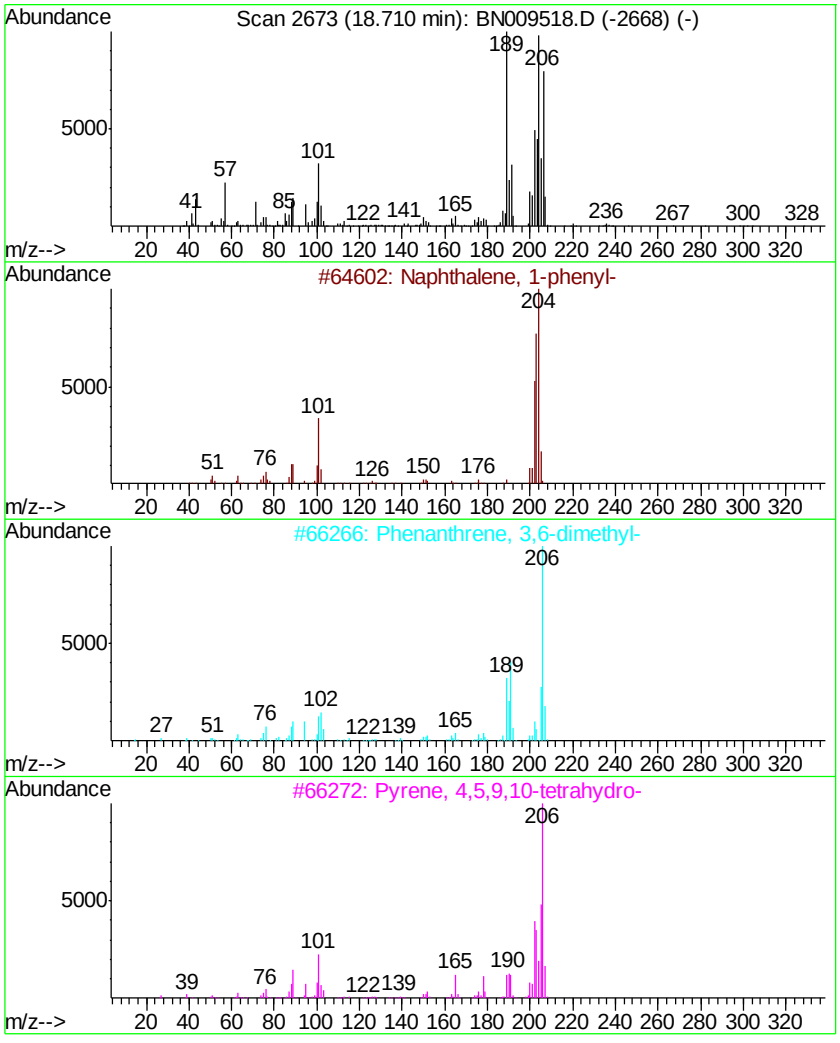
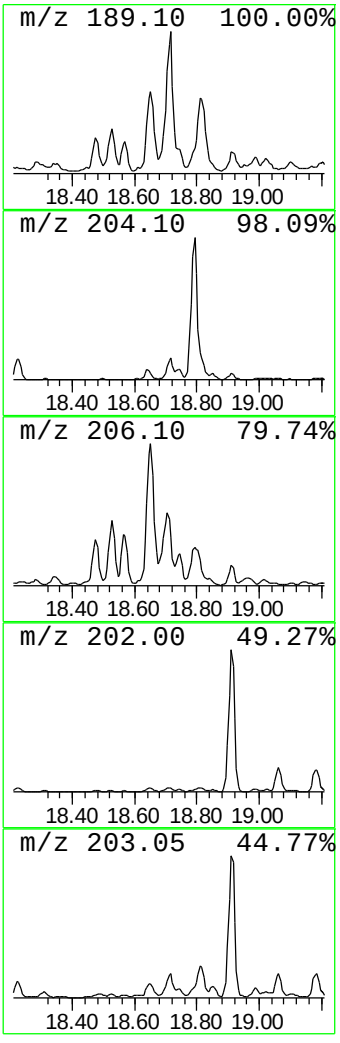
Peak Number 24 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	14.33 ng/ul	1563390	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38





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Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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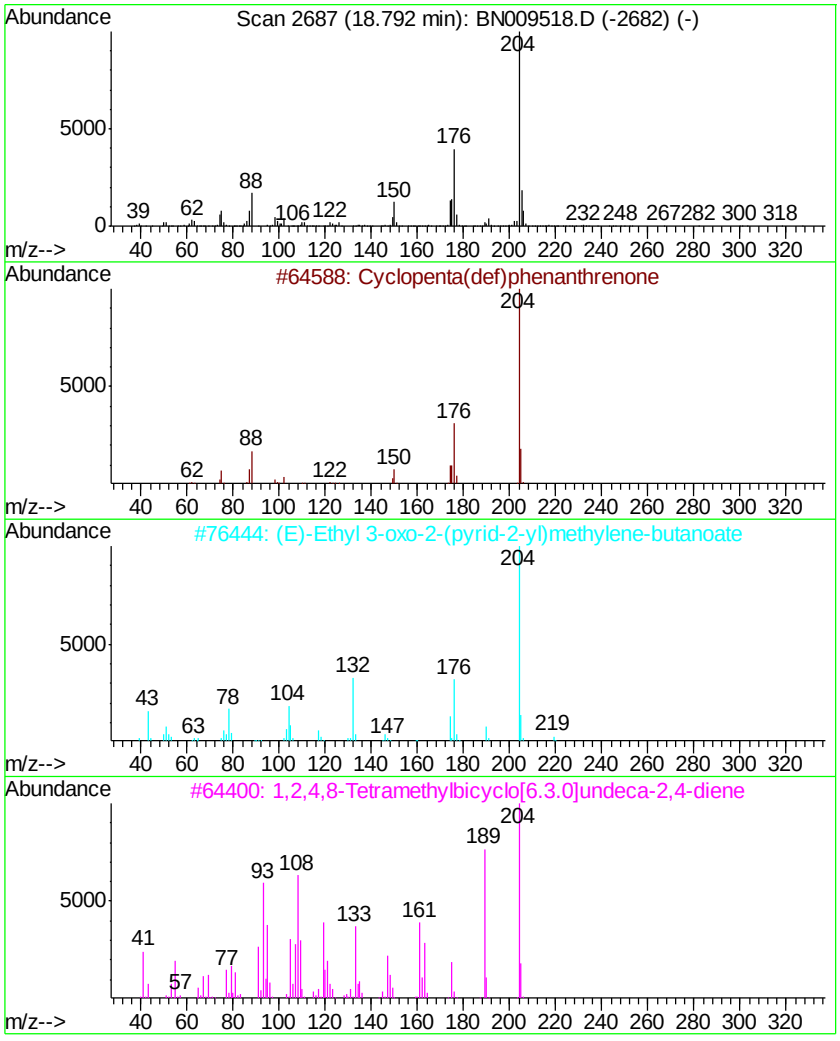
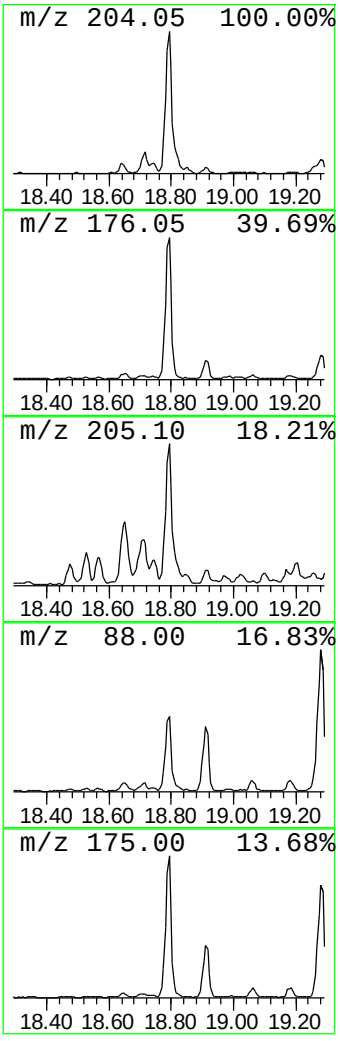
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	43.85 ng/ul	4783440	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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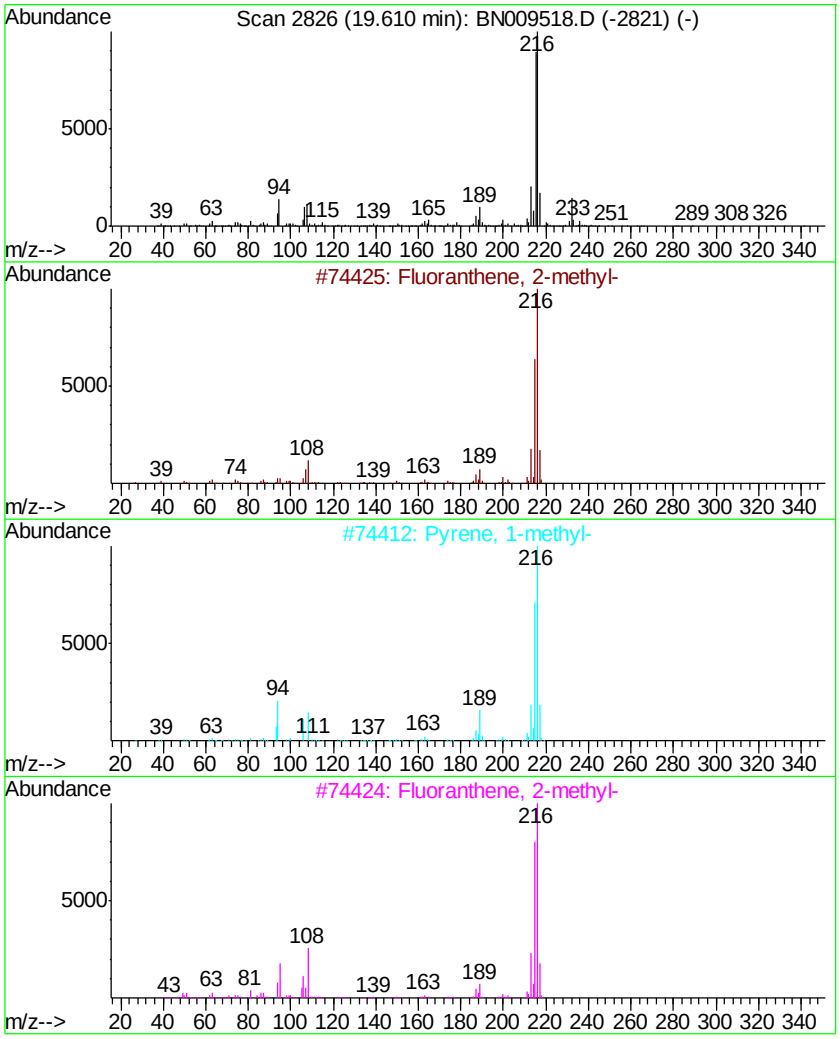
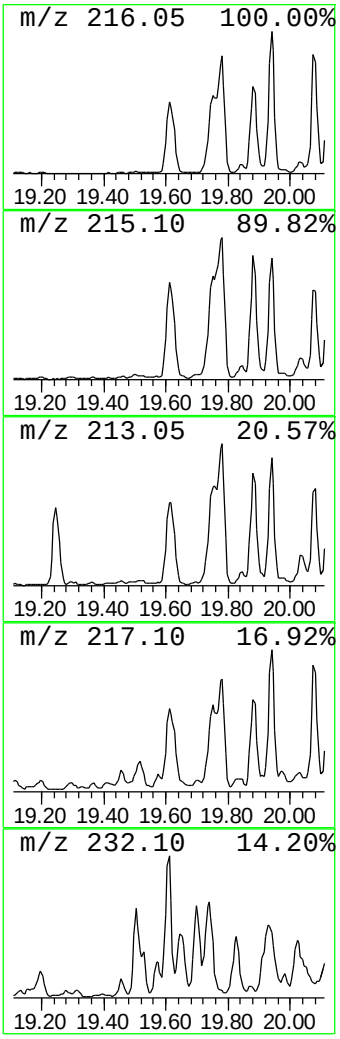
Peak Number 27 Fluoranthene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	4.64 ng/ul	2935900	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92





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Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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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 Pyrene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	3.99 ng/ul	2520930	Chrysene-d12	21.05

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	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
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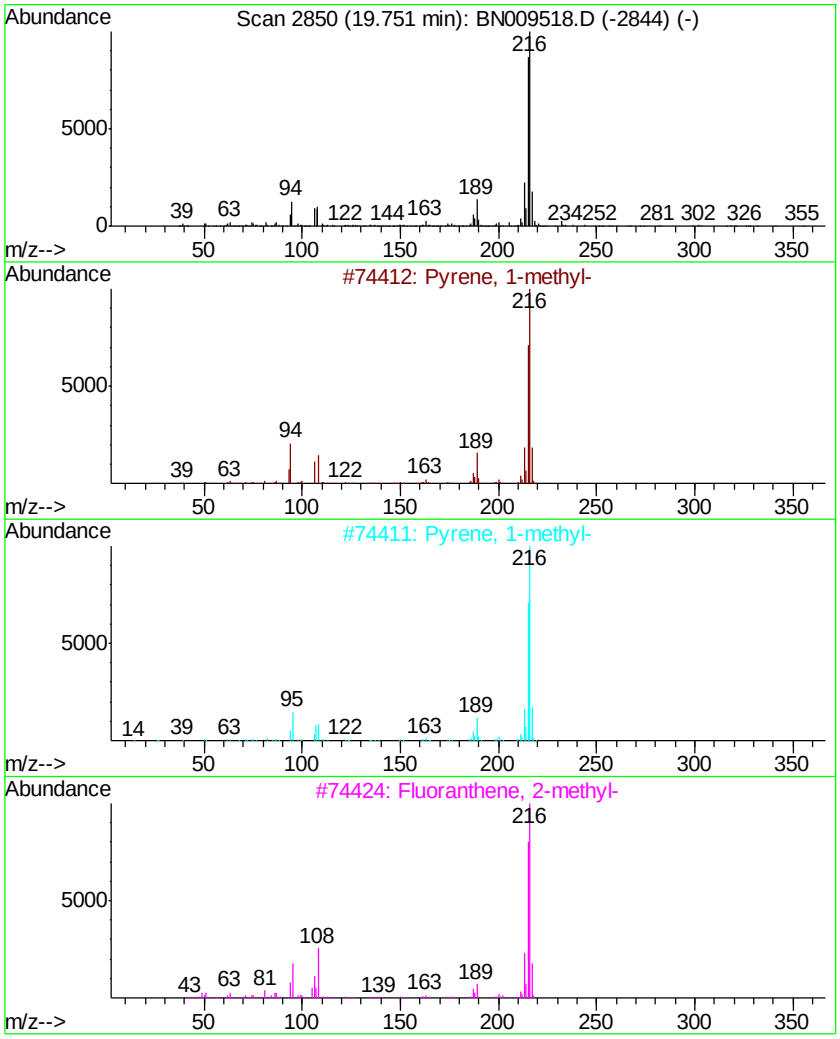

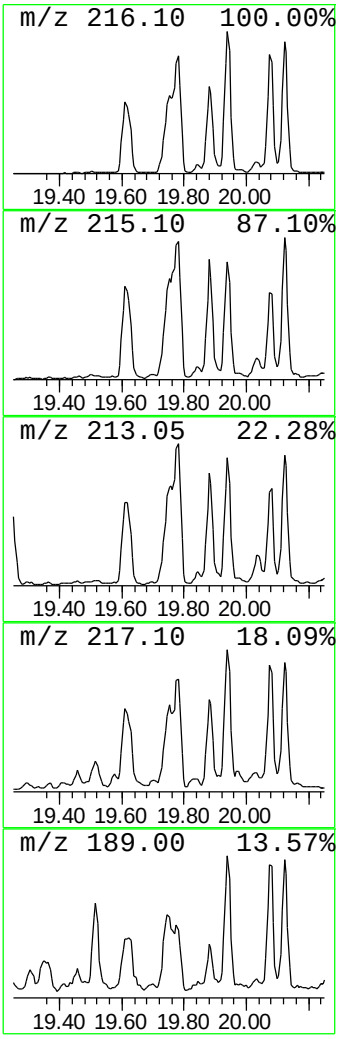

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Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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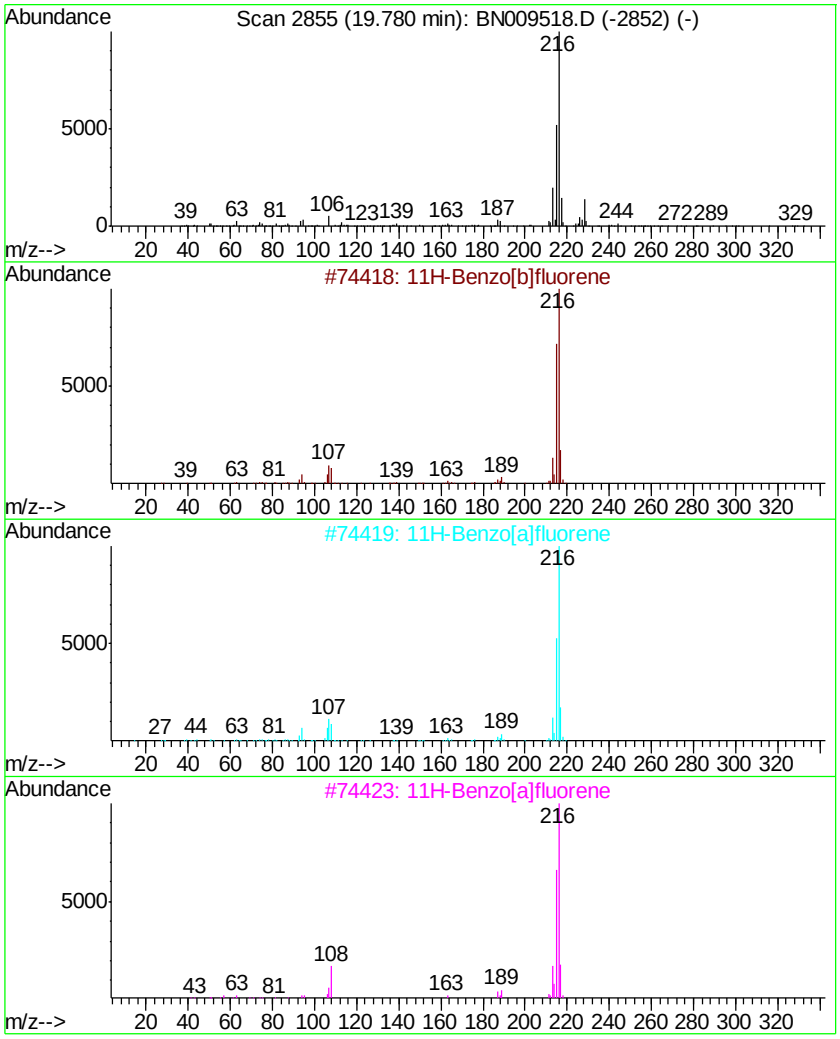
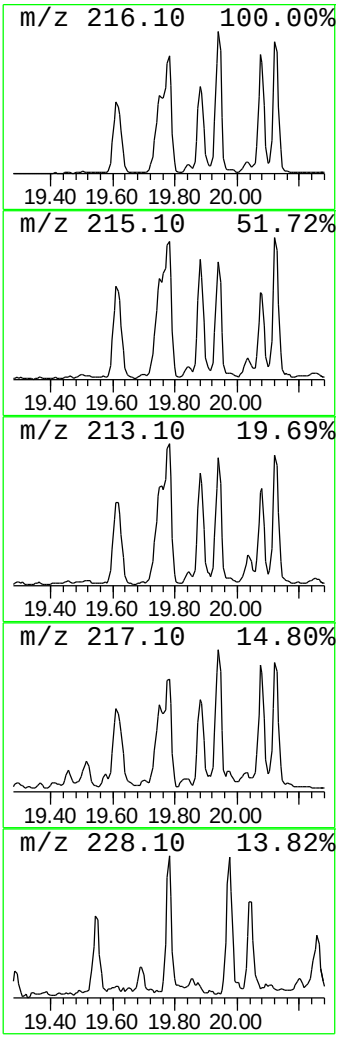
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	4.88 ng/ul	3087030	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	62





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Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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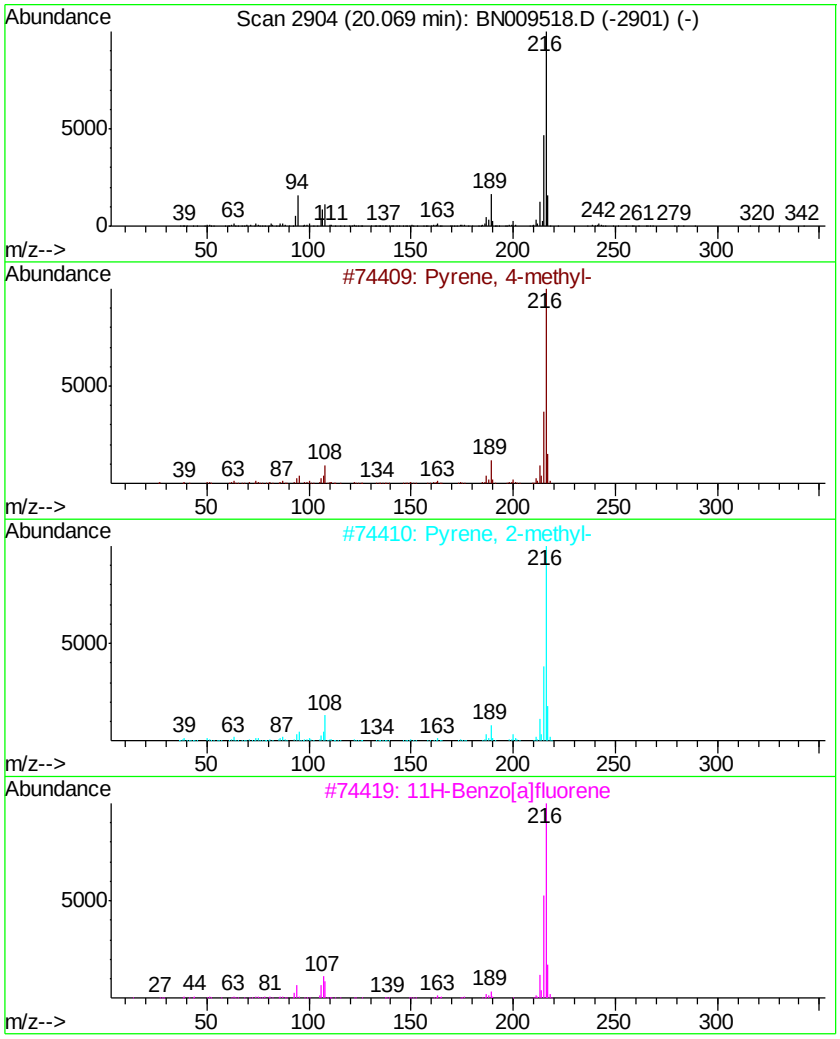
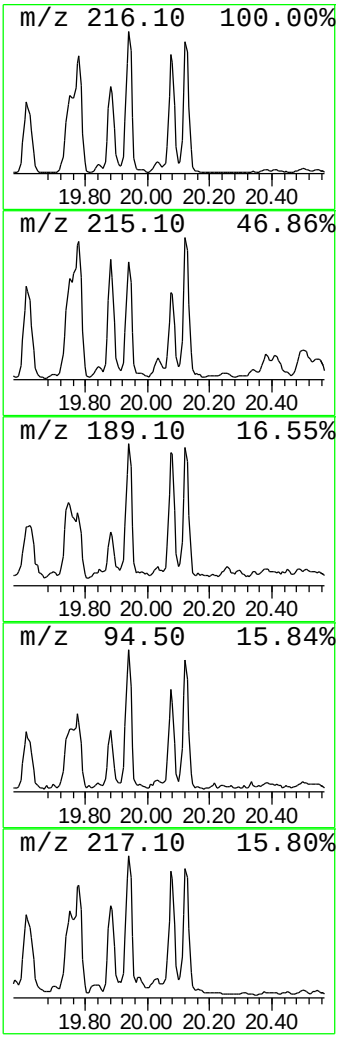
Peak Number 32 Pyrene, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	3.95 ng/ul	2499030	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Misc :
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ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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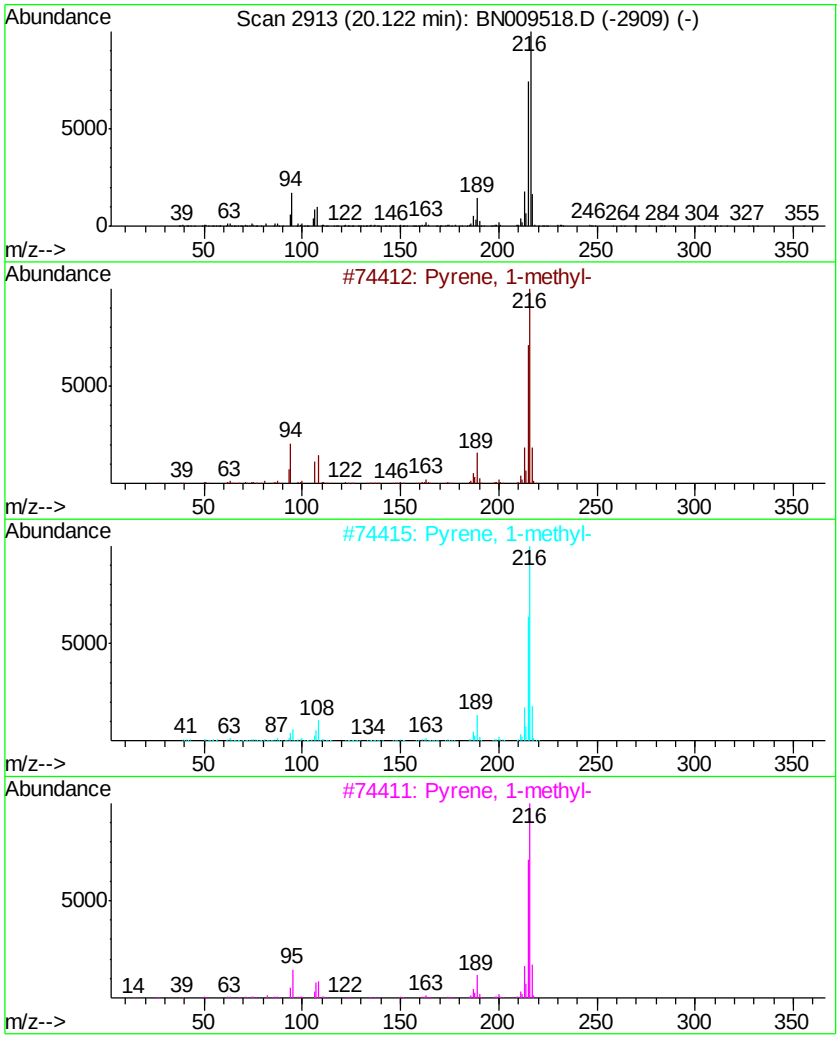
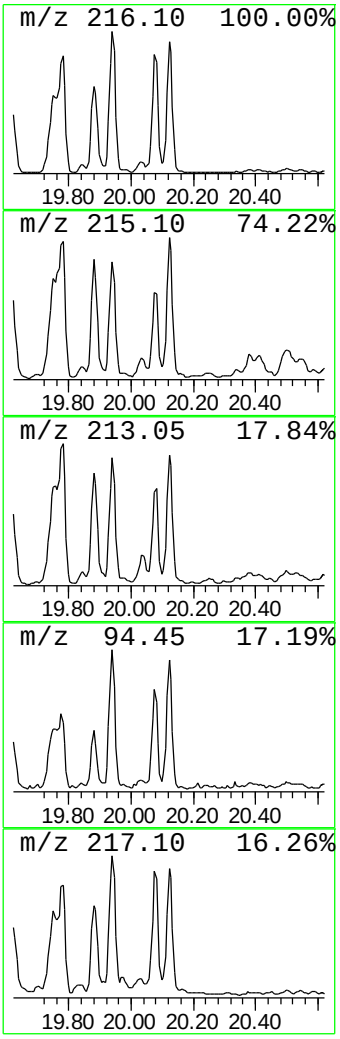
Peak Number 33 11H-Benzo[a]fluorene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	4.84 ng/ul	3060930	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





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Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

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Quant Title : SVOA CALIBRATION

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

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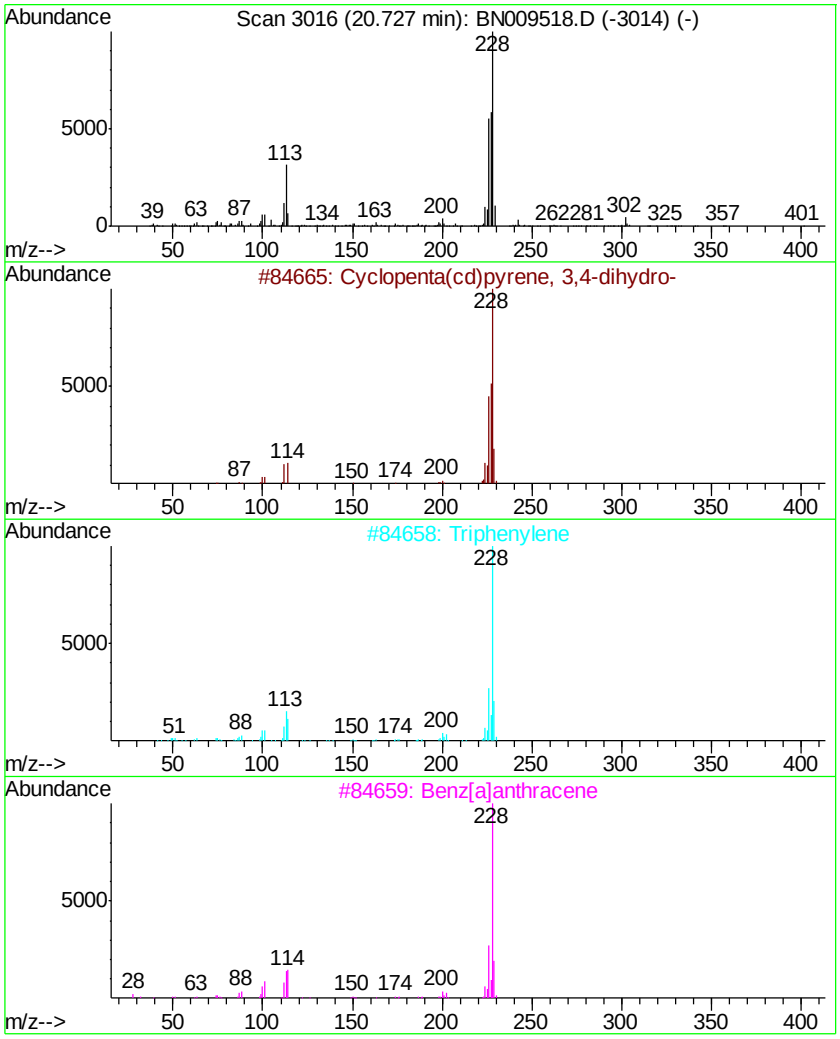
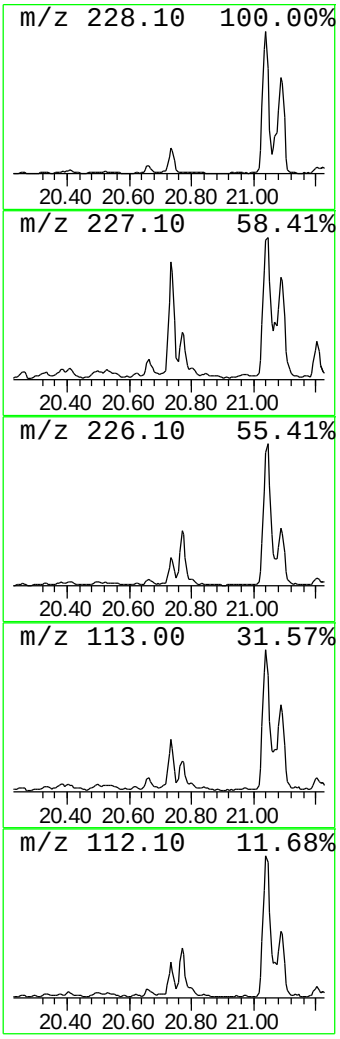
Peak Number 34 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.34 ng/ul	1481200	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benz[a]anthracene	228	C18H12	000056-55-3	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Chrysene	228	C18H12	000218-01-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN013020\
Data File : BN009518.D
Acq On : 31 Jan 2020 19:24
Operator : CG/JU
Sample : L1271-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.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
1-Propyne, 3-phenyl-	7.98	7.2	ng/ul	402191	1	7.45	1118060	20.0
1,4-Methanonaphth...	11.73	8.9	ng/ul	754768	2	10.20	1690760	20.0
(DEL) Alkane: Str...	12.93	7.0	ng/ul	702364	3	14.09	2022440	20.0
(DEL) Alkane: Str...	14.02	7.9	ng/ul	797510	3	14.09	2022440	20.0
1,1'-Biphenyl, 3-...	14.70	5.6	ng/ul	565303	3	14.09	2022440	20.0
(DEL) Alkane: Str...	14.98	9.2	ng/ul	927123	3	14.09	2022440	20.0
(DEL) Alkane: Str...	15.85	8.3	ng/ul	906525	4	16.84	2181590	20.0
Benzo[h]cinnoline	17.03	5.9	ng/ul	647239	4	16.84	2181590	20.0
9H-Fluorene, 2,3-...	17.26	3.6	ng/ul	387871	4	16.84	2181590	20.0
Anthracene, 9-eth...	17.37	7.3	ng/ul	797349	4	16.84	2181590	20.0
Phenanthrene, 2-m...	17.77	8.3	ng/ul	904570	4	16.84	2181590	20.0
Anthracene, 1-met...	17.85	3.4	ng/ul	365147	4	16.84	2181590	20.0
Benzaldehyde, 3,5...	17.90	21.1	ng/ul	2298090	4	16.84	2181590	20.0
9-Phenyl-5H-benzo...	18.04	3.9	ng/ul	426625	4	16.84	2181590	20.0
Anthracene, 9-met...	18.19	3.6	ng/ul	388396	4	16.84	2181590	20.0
Naphthalene, 2-ph...	18.22	7.7	ng/ul	844505	4	16.84	2181590	20.0
di-p-Tolylacetylene	18.47	5.2	ng/ul	568800	4	16.84	2181590	20.0
Phenanthrene, 1,7...	18.53	5.6	ng/ul	610062	4	16.84	2181590	20.0
Phenanthrene, 3,6...	18.56	4.7	ng/ul	517133	4	16.84	2181590	20.0
Phenanthrene, 2,5...	18.65	31.9	ng/ul	3476110	4	16.84	2181590	20.0
unknown-01	18.71	14.3	ng/ul	1563390	4	16.84	2181590	20.0
Cyclopenta(def)ph...	18.79	43.9	ng/ul	4783440	4	16.84	2181590	20.0
Fluoranthene, 2-m...	19.61	4.6	ng/ul	2935900	5	21.05	12649000	20.0
Pyrene, 1-methyl-	19.75	4.0	ng/ul	2520930	5	21.05	12649000	20.0
11H-Benzo[b]fluorene	19.78	4.9	ng/ul	3087030	5	21.05	12649000	20.0
Pyrene, 4-methyl-	20.07	4.0	ng/ul	2499030	5	21.05	12649000	20.0
11H-Benzo[a]fluorene	20.12	4.8	ng/ul	3060930	5	21.05	12649000	20.0
Cyclopenta(cd)pyr...	20.73	2.3	ng/ul	1481200	5	21.05	12649000	20.0