LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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-BN041919MA.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	6.775	637	644	650	rVV	145471	241175	1.71%	0.197%
2	6.946	668	673	679	rBV	115758	177621	1.26%	0.145%
3	7.134	696	705	713	rBV	150390	241324	1.71%	0.197%
4	7.257	720	726	734	rVB2	161006	264629	1.87%	0.216%
5	7.599	776	784	791	rBV	1735883	2656136	18.81%	2.167%
6	8.122	864	873	881	rBV	477374	793282	5.62%	0.647%
7	8.293	896	902	913	rVB	104529	180288	1.28%	0.147%
8	8.734	973	977	983	rVB	128543	207088	1.47%	0.169%
9	9.451	1089	1099	1105	rBV3	92397	183398	1.30%	0.150%
10	9.799	1148	1158	1164	rBV3	194085	464250	3.29%	0.379%
11	9.863	1164	1169	1175	rBV	157366	341943	2.42%	0.279%
12	9.981	1184	1189	1197	rVB	160250	283943	2.01%	0.232%
13	10.363	1246	1254	1257	rBV	2195716	3730366	26.41%	3.043%
14	10.410	1257	1262	1270	rVB	8439045	14123215	100.00%	11.522%
15	10.498	1270	1277	1279	rBV2	129837	224947	1.59%	0.184%
16	12.028	1529	1537	1546	rBV	4321565	6738641	47.71%	5.498%
17	12.251	1564	1575	1586	rBV	2681677	4267184	30.21%	3.481%
18	13.057	1705	1712	1721	rBV	766322	1199358	8.49%	0.978%
19	13.257	1739	1746	1759	rVB3	172394	413815	2.93%	0.338%
20	13.392	1761	1769	1770	rBV	532607	806182	5.71%	0.658%
21	13.551	1787	1796	1801	rBV	1045451	1795112	12.71%	1.465%
22	13.604	1801	1805	1809	rVV	621270	919647	6.51%	0.750%
23	13.645	1809	1812	1815	rVV	352644	506160	3.58%	0.413%
24	13.681	1815	1818	1825	rVV3	382020	625587	4.43%	0.510%
25	13.787	1831	1836	1840	rVV	498522	744174	5.27%	0.607%
26	13.822	1840	1842	1847	rVB	131603	145708	1.03%	0.119%
27	13.922	1852	1859	1860	rBV	383608	529919	3.75%	0.432%
28	13.951	1860	1864	1876	rVB2	1299400	1988790	14.08%	1.623%
29	14.234	1903	1912	1918	rBV2	2958794	5060884	35.83%	4.129%
30	14.292	1918	1922	1926	rVV	285866	436042	3.09%	0.356%
31	14.322	1926	1927	1932	rVB	145880	154147	1.09%	0.126%
32	14.445	1941	1948	1957	rBV2	112187	275944	1.95%	0.225%
33	14.634	1970	1980	1988	rBV3	358554	715600	5.07%	0.584%
34	14.716	1989	1994	1999	rVB	217326	292648	2.07%	0.239%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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-BN041919MA.M
Title : SVOA CALIBRATION

35	14.845	2010	2016	2023	rBV4	219039	540892	3.83%	0.441%
36	14.910	2023	2027	2031	rVB	143416	179892	1.27%	0.147%
37	15.010	2038	2044	2045	rBV3	89817	129830	0.92%	0.106%
38	15.028	2045	2047	2050	rVV	117215	156667	1.11%	0.128%
39	15.110	2056	2061	2068	rVB3	203890	333626	2.36%	0.272%
40	15.181	2068	2073	2076	rBV3	72191	145079	1.03%	0.118%
41	15.228	2076	2081	2086	rVV	644338	942360	6.67%	0.769%
42	15.286	2086	2091	2104	rVB	1842904	2753517	19.50%	2.246%
43	15.410	2109	2112	2116	rVV4	103453	142915	1.01%	0.117%
44	15.498	2122	2127	2131	rBV4	53599	115863	0.82%	0.095%
45	15.581	2136	2141	2145	rBV	172509	271717	1.92%	0.222%
46	15.698	2155	2161	2164	rBV	321747	438537	3.11%	0.358%
47	15.728	2164	2166	2176	rVB2	112433	237697	1.68%	0.194%
48	15.975	2202	2208	2213	rBV4	86286	184980	1.31%	0.151%
49	16.292	2254	2262	2267	rBV2	328463	711762	5.04%	0.581%
50	16.345	2267	2271	2276	rVV	219450	323031	2.29%	0.264%
51	16.439	2283	2287	2293	rVB	210494	310144	2.20%	0.253%
52	16.569	2305	2309	2312	rVV4	83747	125610	0.89%	0.102%
53	16.651	2319	2323	2329	rVB4	109447	189504	1.34%	0.155%
54	16.804	2341	2349	2354	rBV	566618	892038	6.32%	0.728%
55	16.986	2374	2380	2383	rBV	3593525	5263788	37.27%	4.294%
56	17.028	2383	2387	2393	rVV	6705109	9416056	66.67%	7.682%
57	17.081	2393	2396	2399	rVV	506334	783169	5.55%	0.639%
58	17.116	2399	2402	2408	rVV	1686099	2249825	15.93%	1.835%
59	17.180	2408	2413	2418	rVV2	113771	217713	1.54%	0.178%
60	17.516	2465	2470	2474	rVV2	198389	260716	1.85%	0.213%
61	17.569	2474	2479	2485	rVB2	264921	413404	2.93%	0.337%
62	17.710	2495	2503	2510	rVB2	195363	412059	2.92%	0.336%
63	17.863	2524	2529	2533	rVV	1080119	1554816	11.01%	1.268%
64	17.910	2533	2537	2545	rVV	1194868	1689118	11.96%	1.378%
65	17.992	2545	2551	2556	rVV	406410	599320	4.24%	0.489%
66	18.057	2556	2562	2566	rVV2	1486387	2639694	18.69%	2.154%
67	18.098	2566	2569	2579	rVB	673582	934569	6.62%	0.762%
68	18.375	2611	2616	2620	rBV	596893	746625	5.29%	0.609%
69	18.627	2655	2659	2663	rVV2	114998	155331	1.10%	0.127%
70	18.675	2663	2667	2670	rVV	130862	168858	1.20%	0.138%
71	18.716	2670	2674	2678	rVB2	117759	171904	1.22%	0.140%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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-BN041919MA.M
Title : SVOA CALIBRATION

72	18.798	2679	2688	2692	rBV3	469942	876055	6.20%	0.715%
73	18.857	2692	2698	2701	rBV3	292414	482422	3.42%	0.394%
74	18.886	2701	2703	2707	rVB	201051	231641	1.64%	0.189%
75	18.933	2707	2711	2713	rBV2	128678	164686	1.17%	0.134%
76	19.057	2727	2732	2738	rBV	2559600	3604059	25.52%	2.940%
77	19.133	2741	2745	2748	rBV2	100099	142398	1.01%	0.116%
78	19.210	2754	2758	2765	rVB	579735	753204	5.33%	0.614%
79	19.304	2771	2774	2776	rBV2	95768	125992	0.89%	0.103%
80	19.427	2785	2795	2805	rBV	3536952	5807938	41.12%	4.738%
81	19.510	2805	2809	2816	rVB3	98762	193902	1.37%	0.158%
82	19.763	2847	2852	2859	rBV	270654	526342	3.73%	0.429%
83	19.898	2870	2875	2877	rVV2	270807	448956	3.18%	0.366%
84	19.933	2877	2881	2887	rVB	624216	924403	6.55%	0.754%
85	20.033	2894	2898	2902	rBV	609278	723490	5.12%	0.590%
86	20.092	2903	2908	2912	rBV2	414649	534545	3.78%	0.436%
87	20.233	2928	2932	2935	rBV	284457	348552	2.47%	0.284%
88	20.280	2935	2940	2947	rVB	388894	587793	4.16%	0.480%
89	20.857	3035	3038	3041	rVB	174159	192126	1.36%	0.157%
90	20.898	3041	3045	3048	rBV	260589	304686	2.16%	0.249%
91	20.927	3048	3050	3054	rVV	122087	139242	0.99%	0.114%
92	21.216	3092	3099	3103	rBV2	4365289	7443880	52.71%	6.073%
93	21.251	3103	3105	3111	rVB	1079596	1263286	8.94%	1.031%
94	21.768	3191	3193	3198	rVB2	264766	294659	2.09%	0.240%
95	22.768	3358	3363	3367	rBV	417011	977734	6.92%	0.798%
96	23.227	3437	3441	3445	rBV2	341721	550825	3.90%	0.449%
97	23.274	3446	3449	3453	rVV2	284216	457709	3.24%	0.373%
98	23.321	3453	3457	3461	rVB	602394	914107	6.47%	0.746%
99	23.415	3467	3473	3479	rBV	2652439	4631608	32.79%	3.779%
100	23.998	3569	3572	3577	rVB	247078	395447	2.80%	0.323%

Sum of corrected areas: 122573460

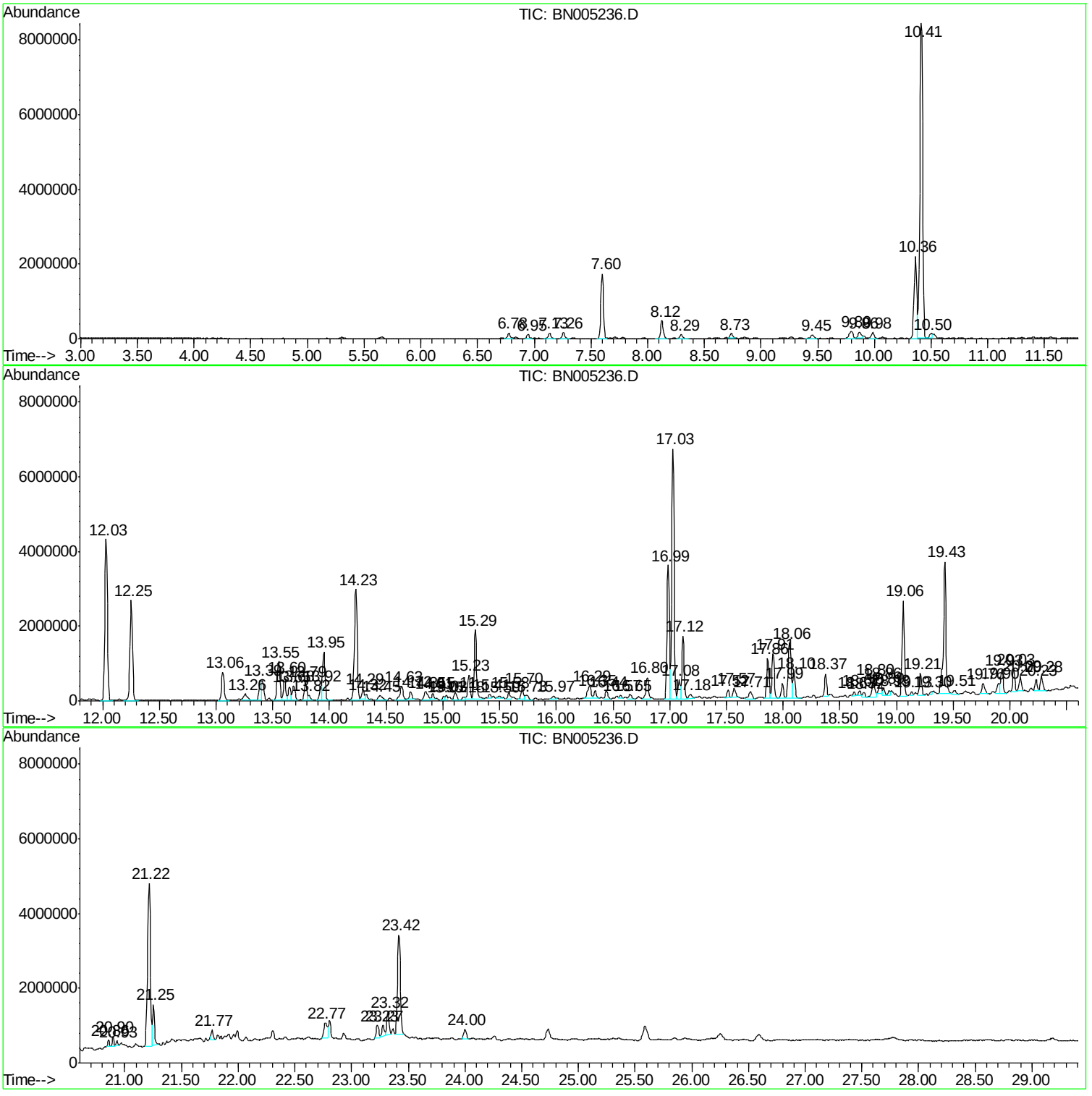
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

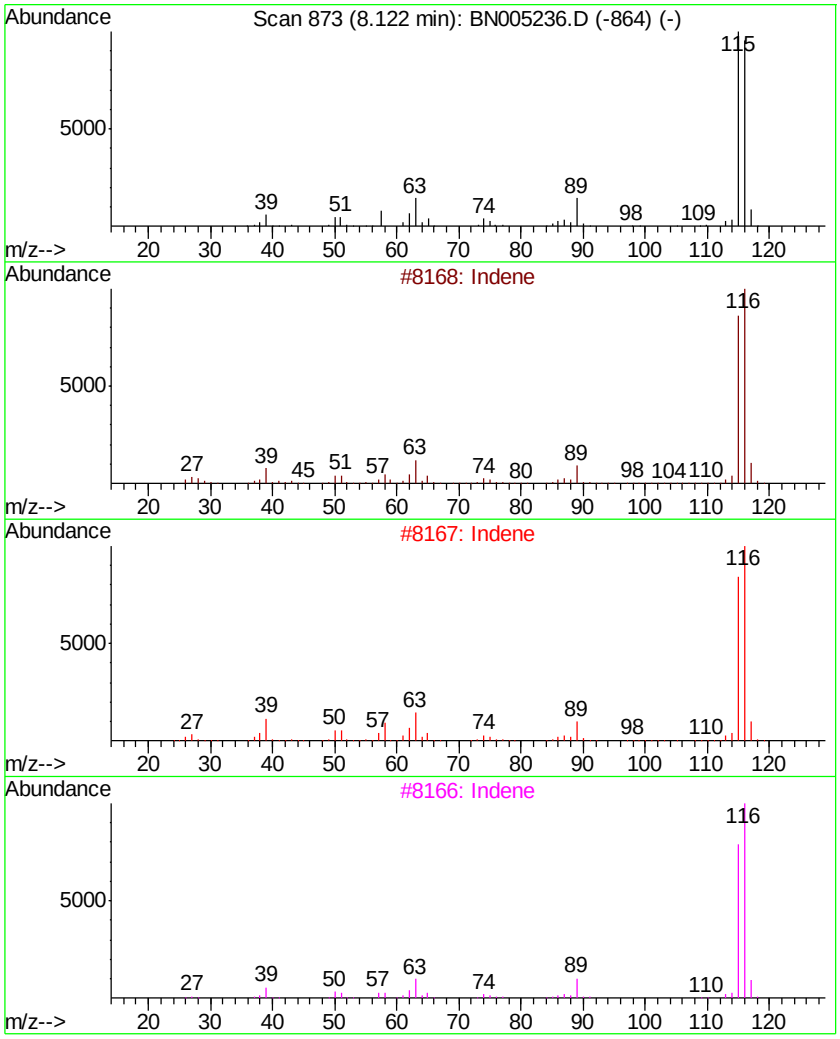
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

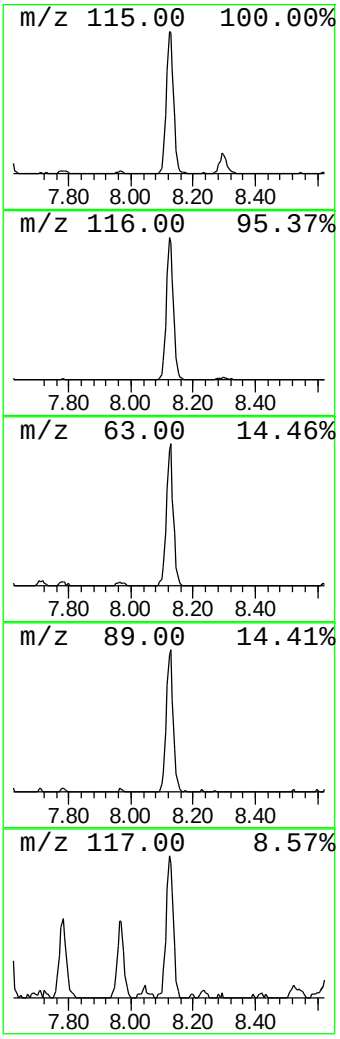
****

Peak Number 1 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	5.97 ng/ul	793282	1,4-Dichlorobenzene-d4	7.60

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

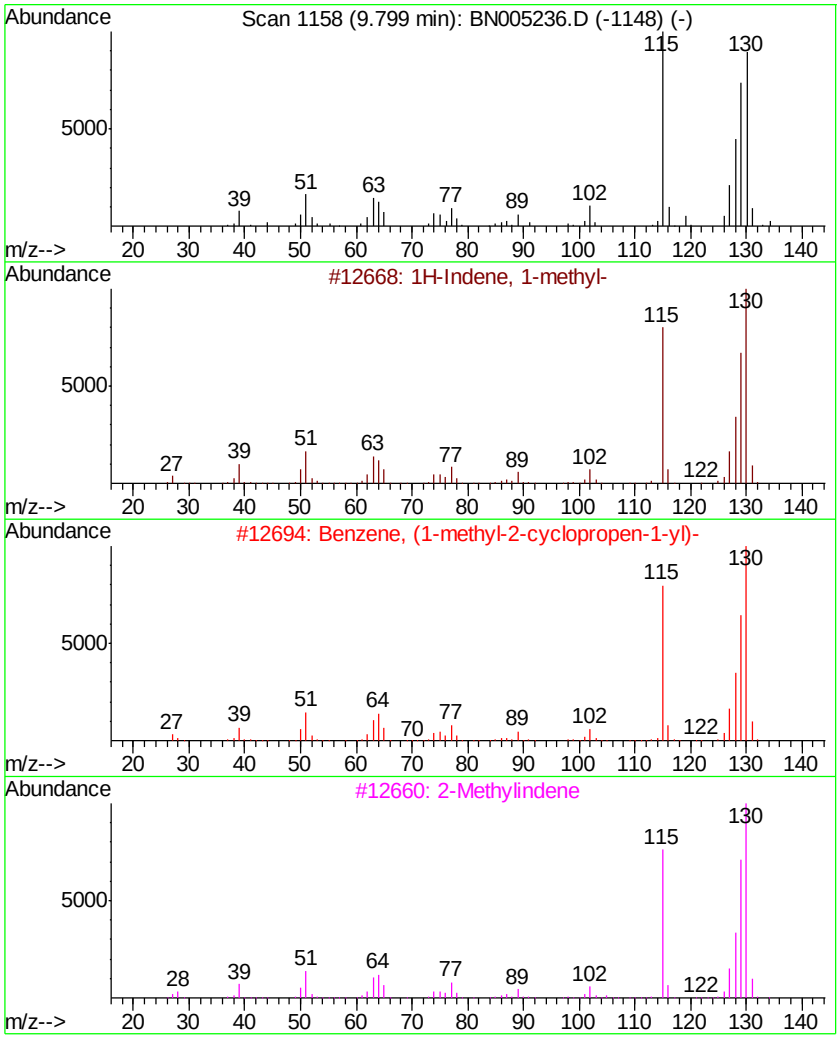
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

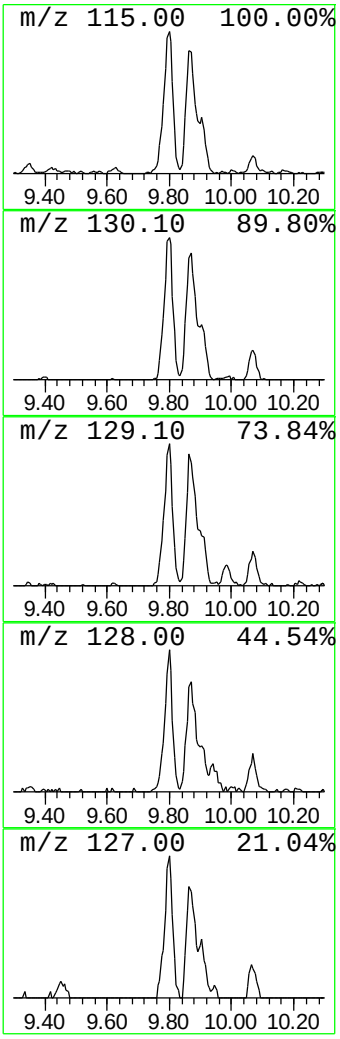
****

Peak Number 2 1H-Indene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	2.49 ng/ul	464250	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	2-Methylindene	130	C10H10	002177-47-1	95
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	2-Methylindene	130	C10H10	002177-47-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

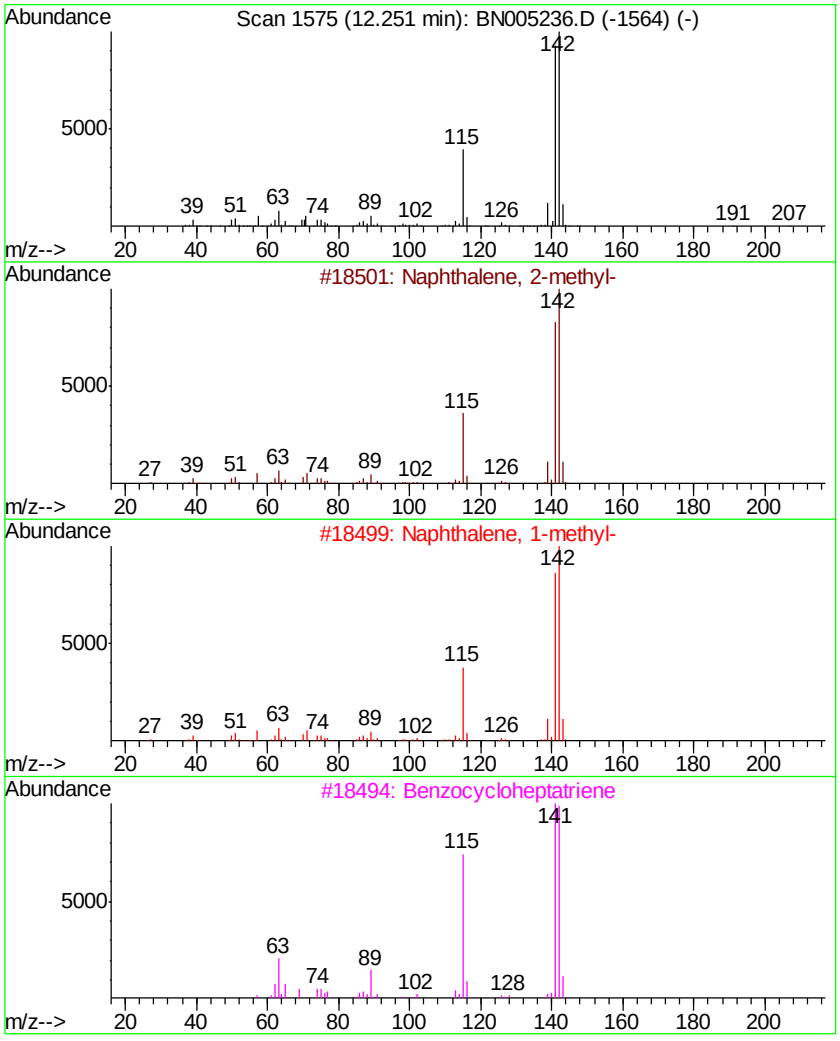
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

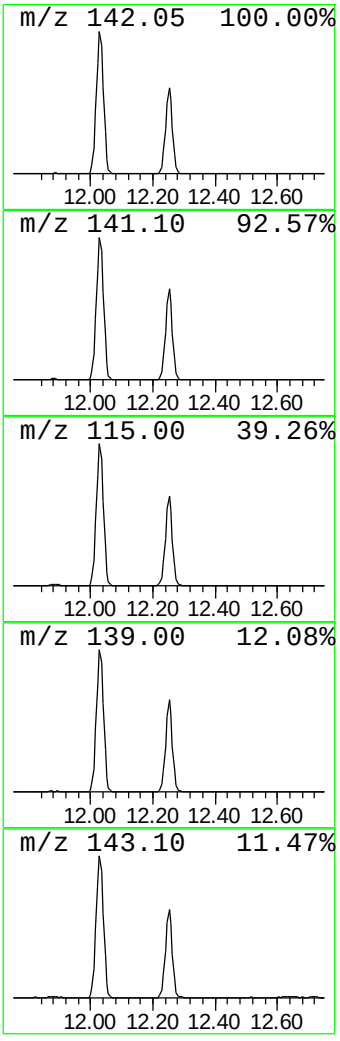
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	22.88 ng/ul	4267180	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

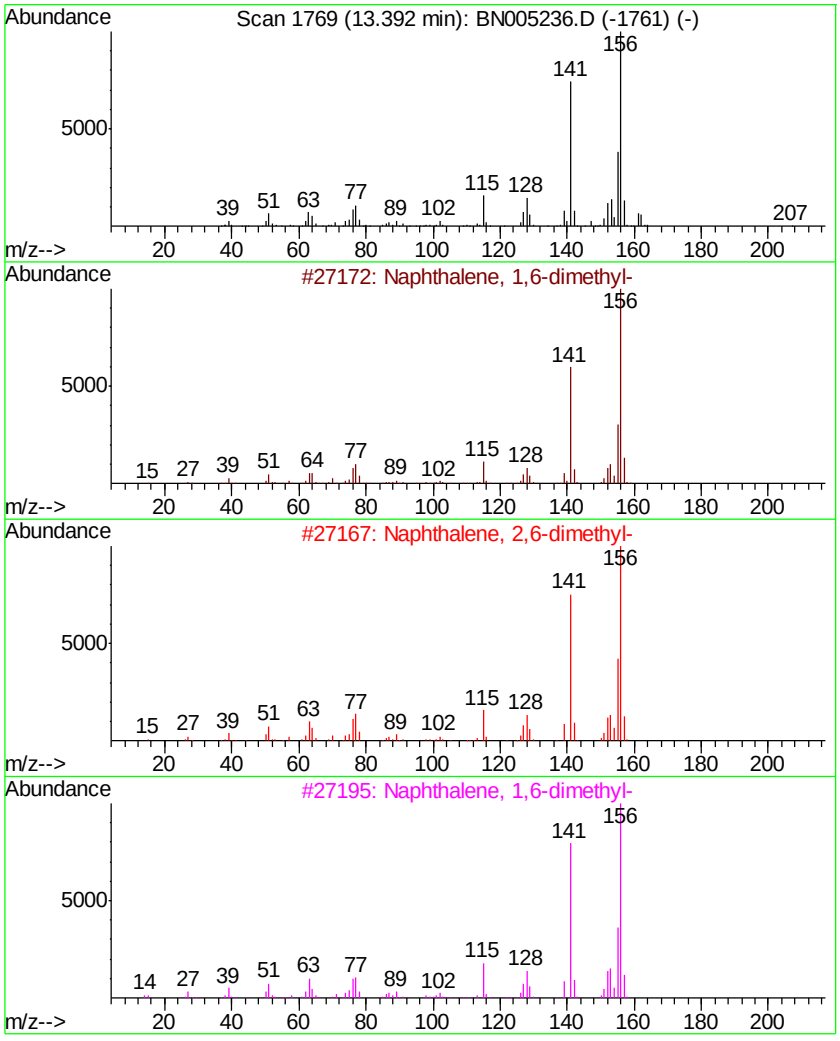
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

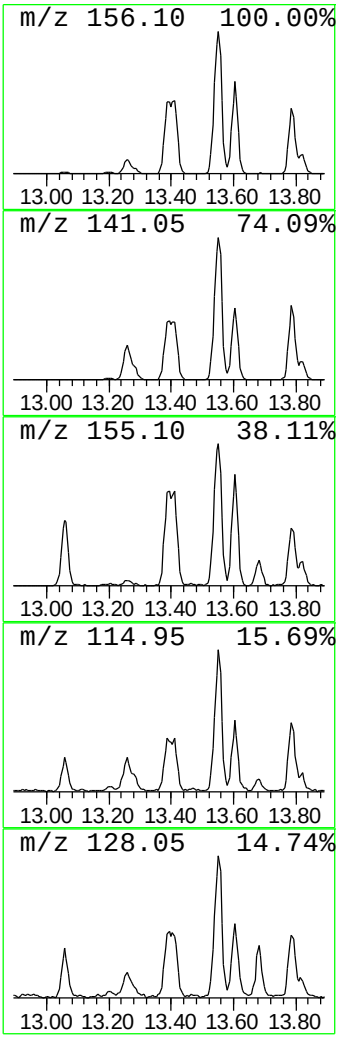
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.19 ng/ul	806182	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

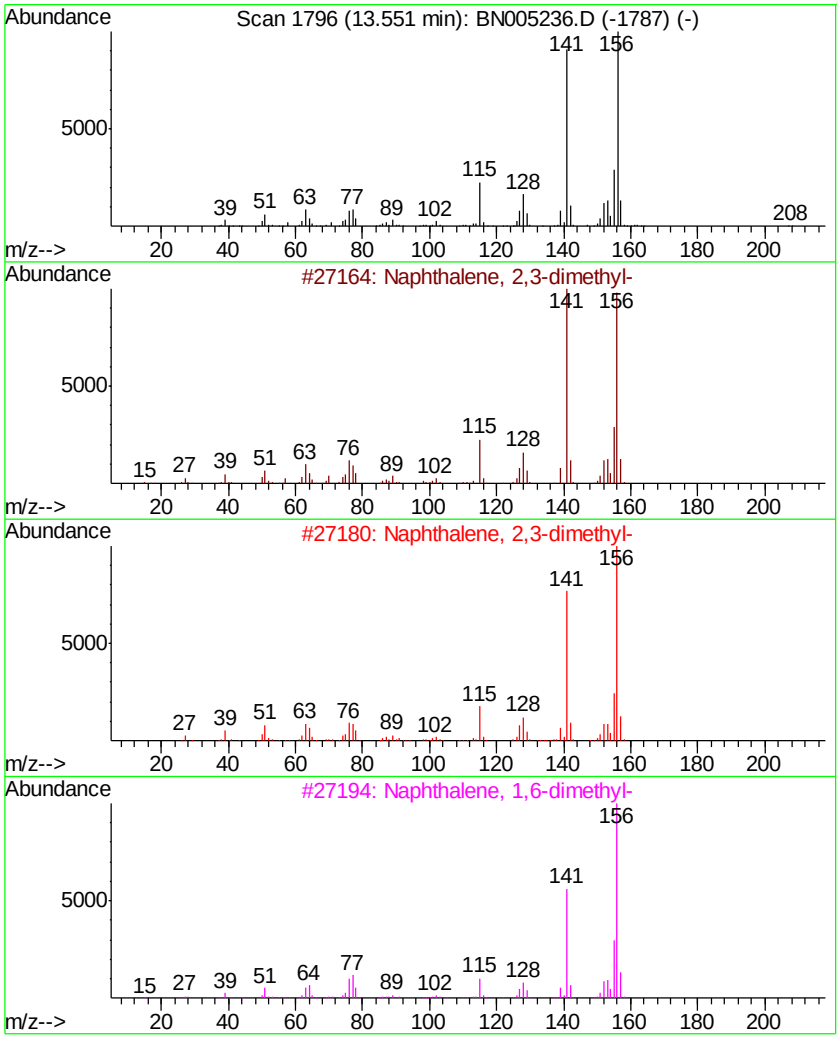
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

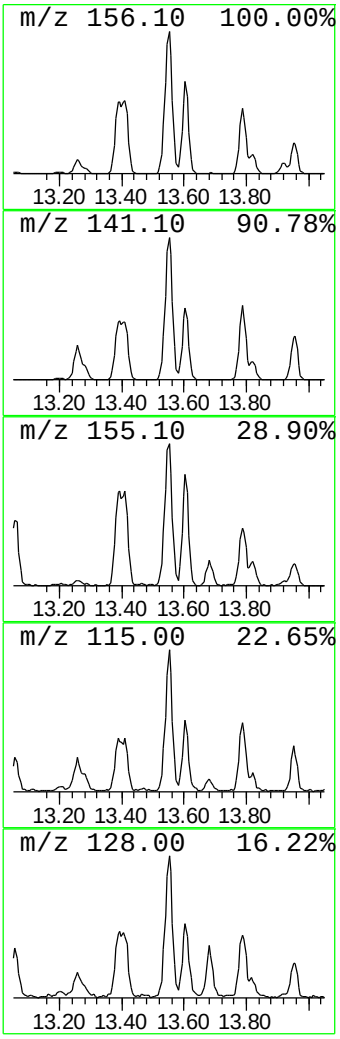
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	7.09 ng/ul	1795110	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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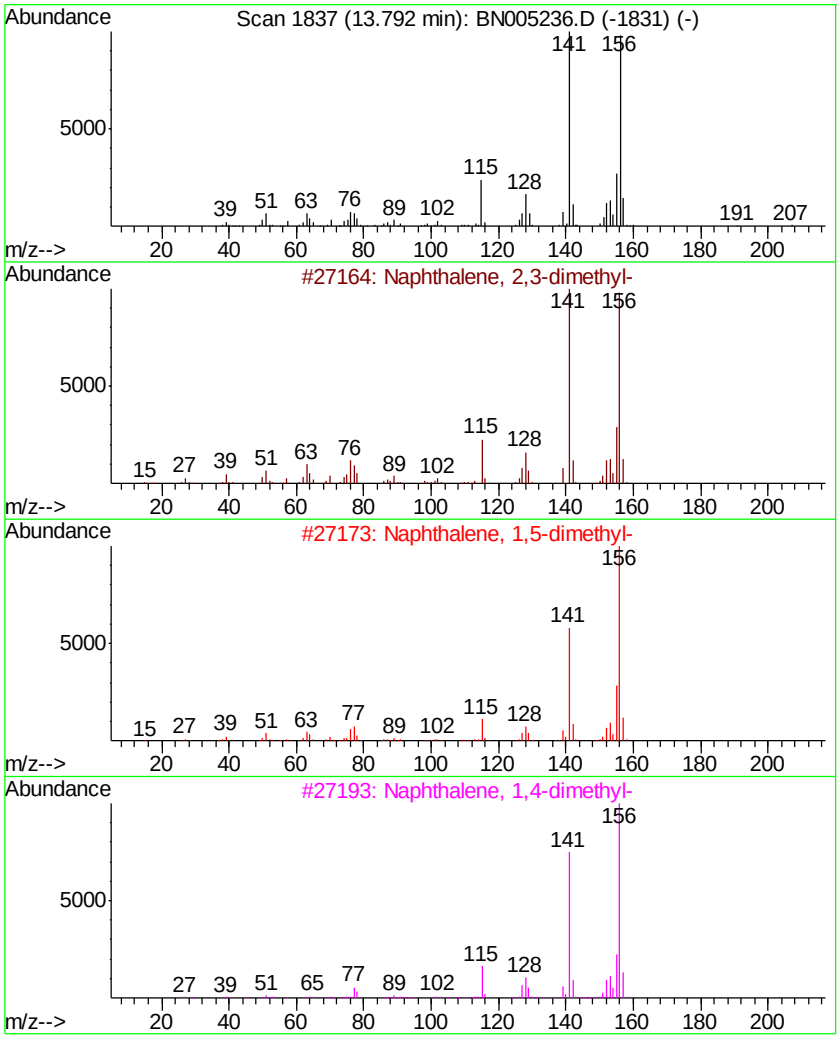
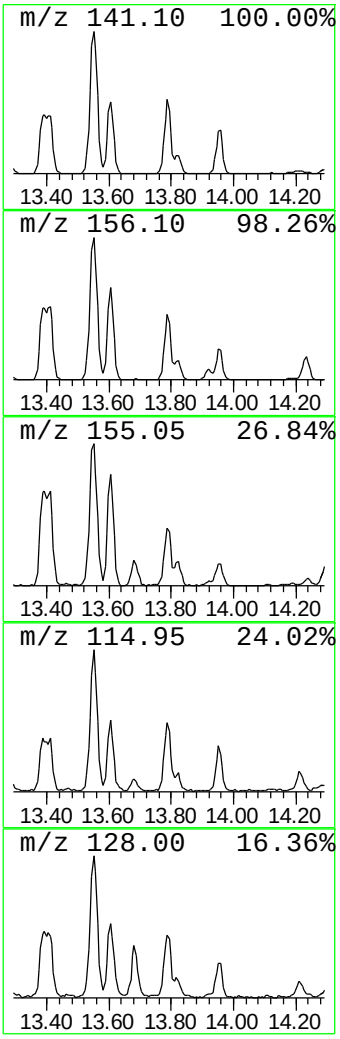
Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.94 ng/ul	744174	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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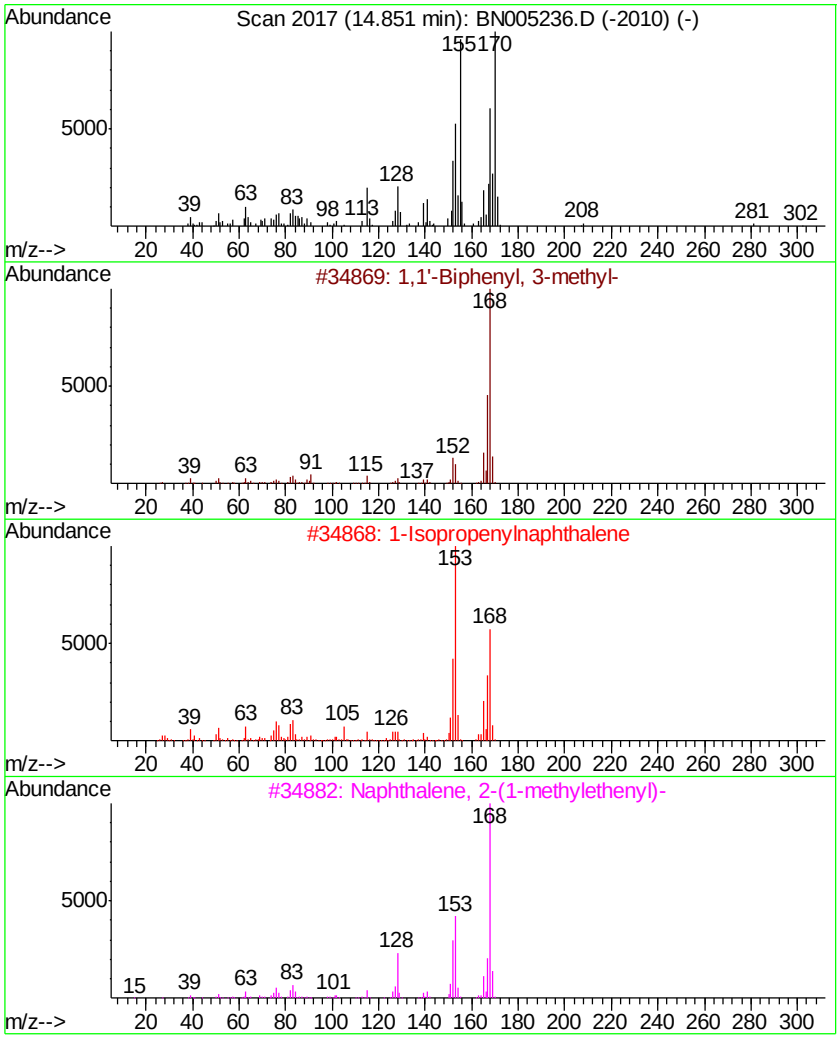
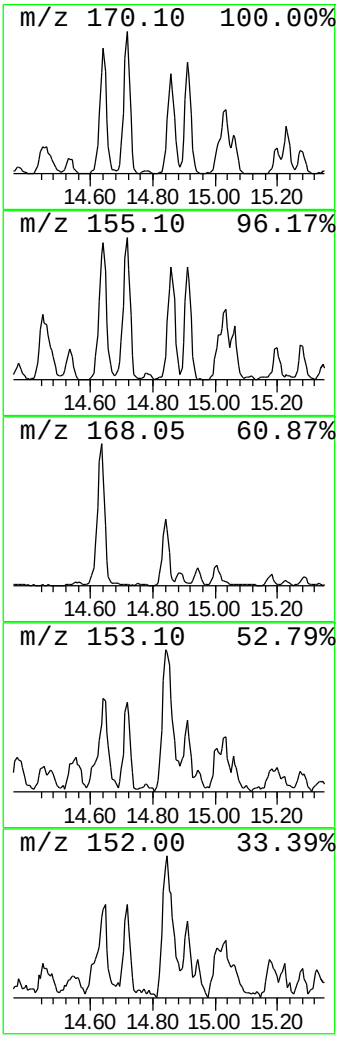
Peak Number 7 1,1'-Biphenyl, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.14 ng/ul	540892	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	53
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	49
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	45
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43





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Sample : K2402-05DL 10X
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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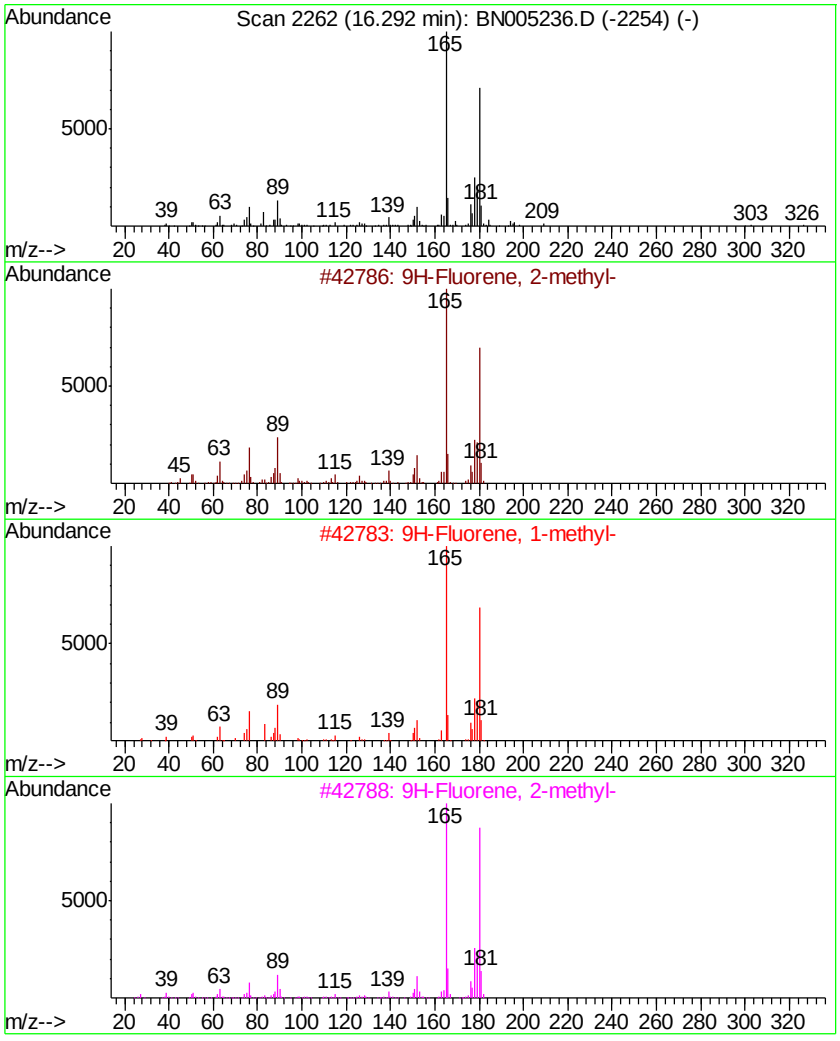
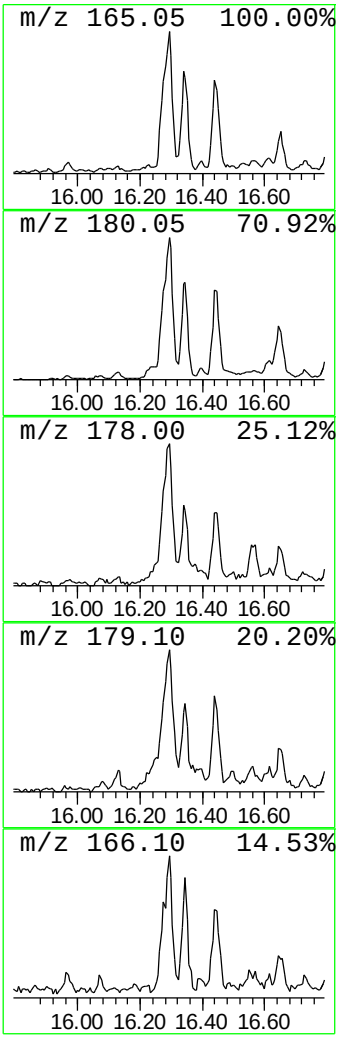
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.70 ng/ul	711762	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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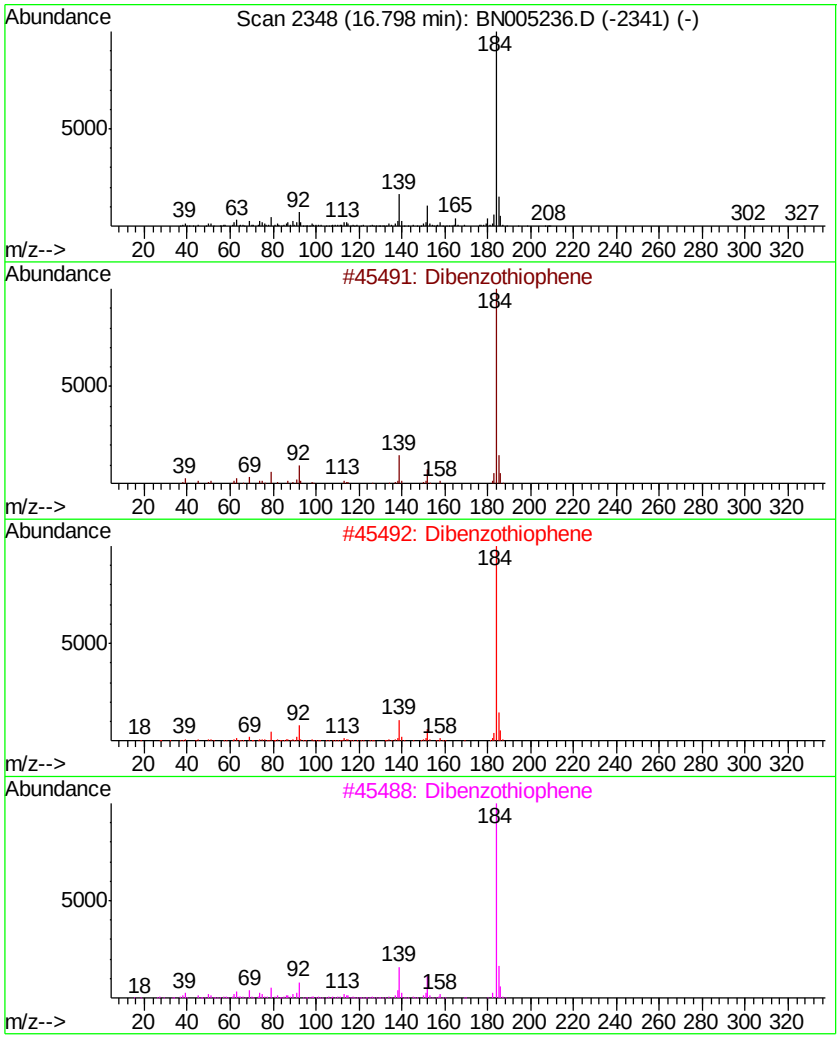
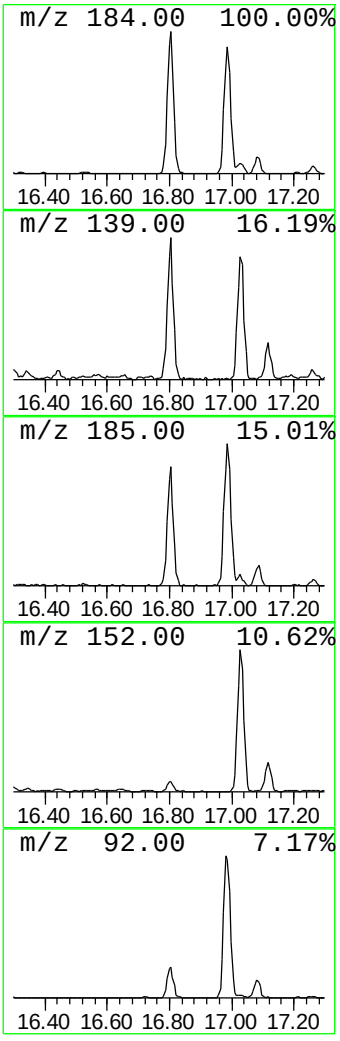
Peak Number 9 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.39 ng/ul	892038	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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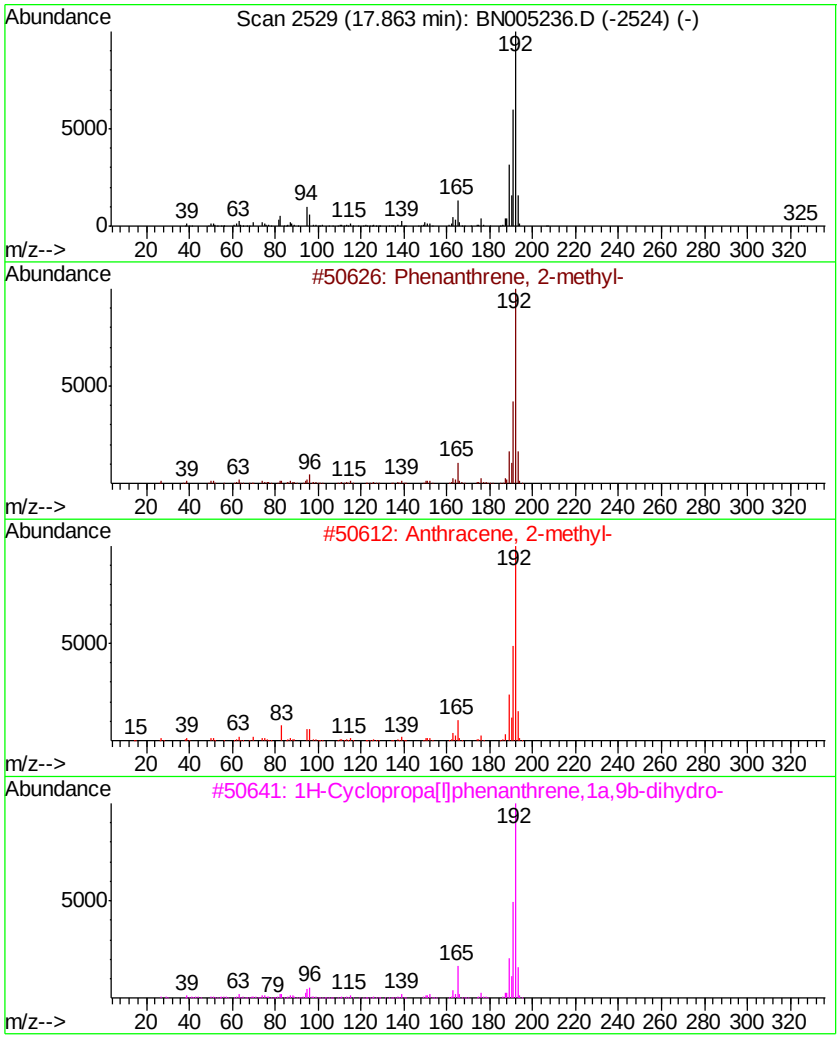
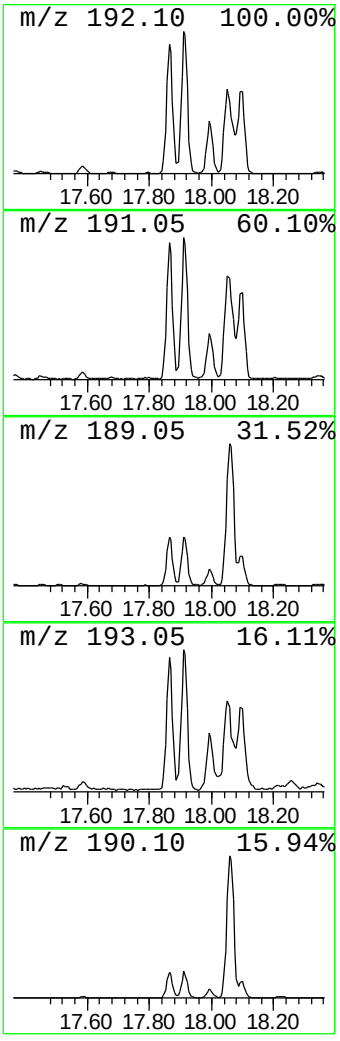
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	5.91 ng/ul	1554820	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	6.42 ng/ul	1689120	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
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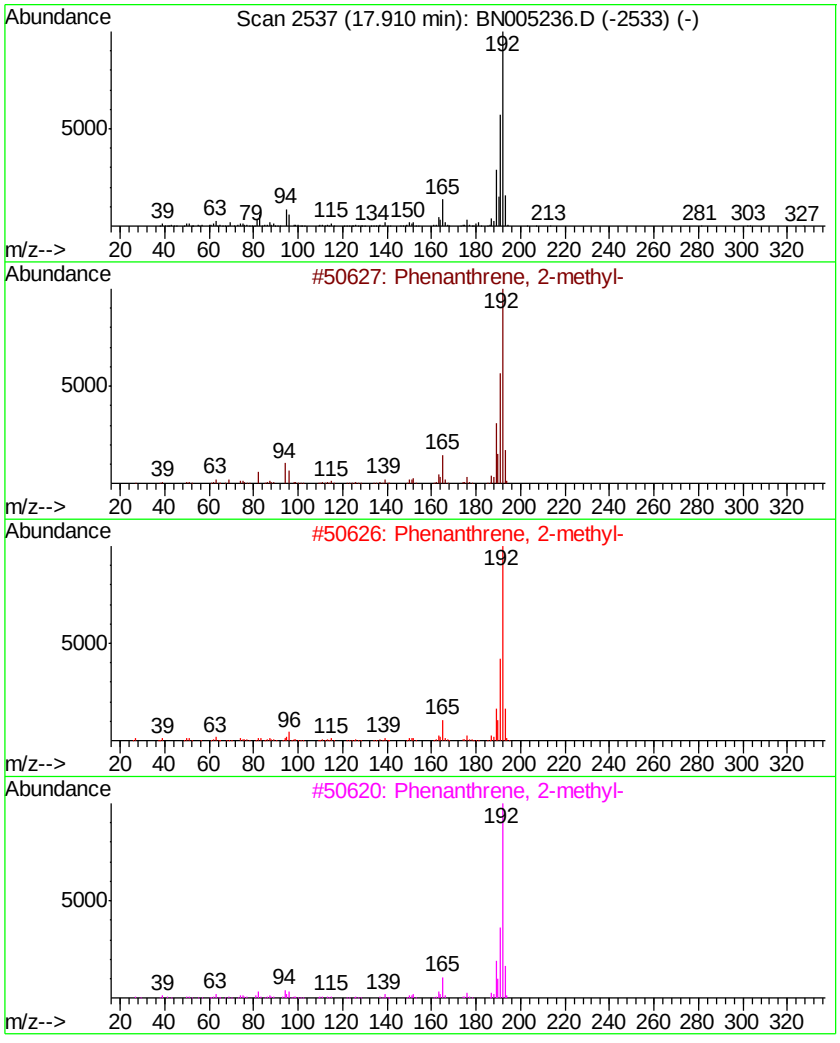

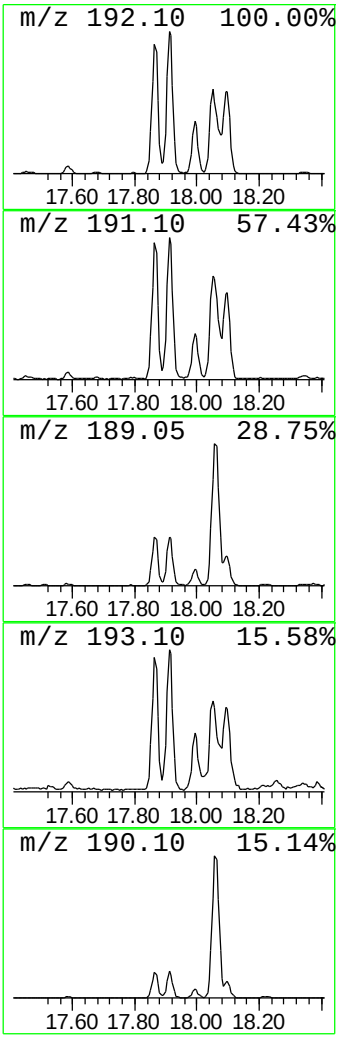

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Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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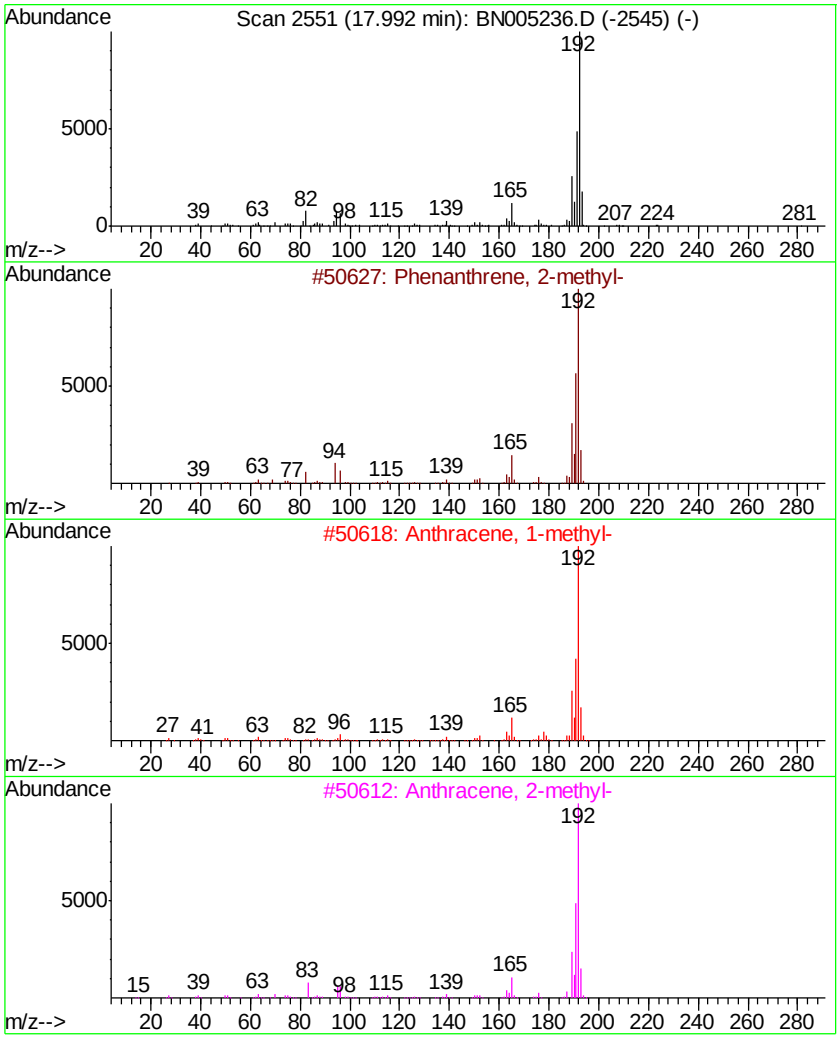
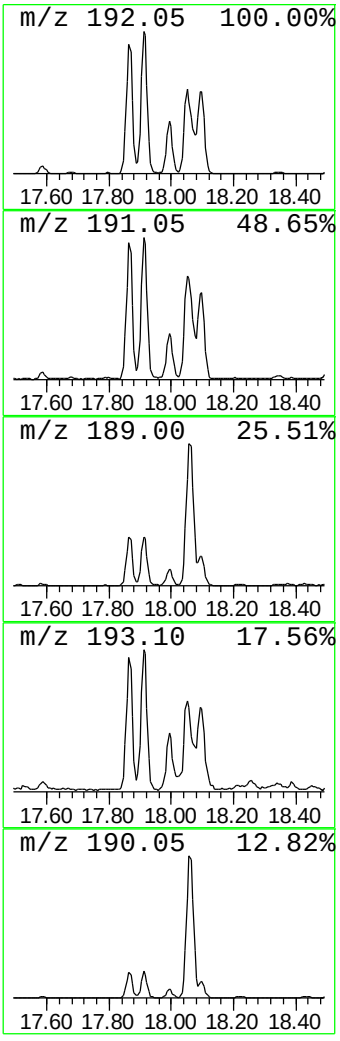
Peak Number 12 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.28 ng/ul	599320	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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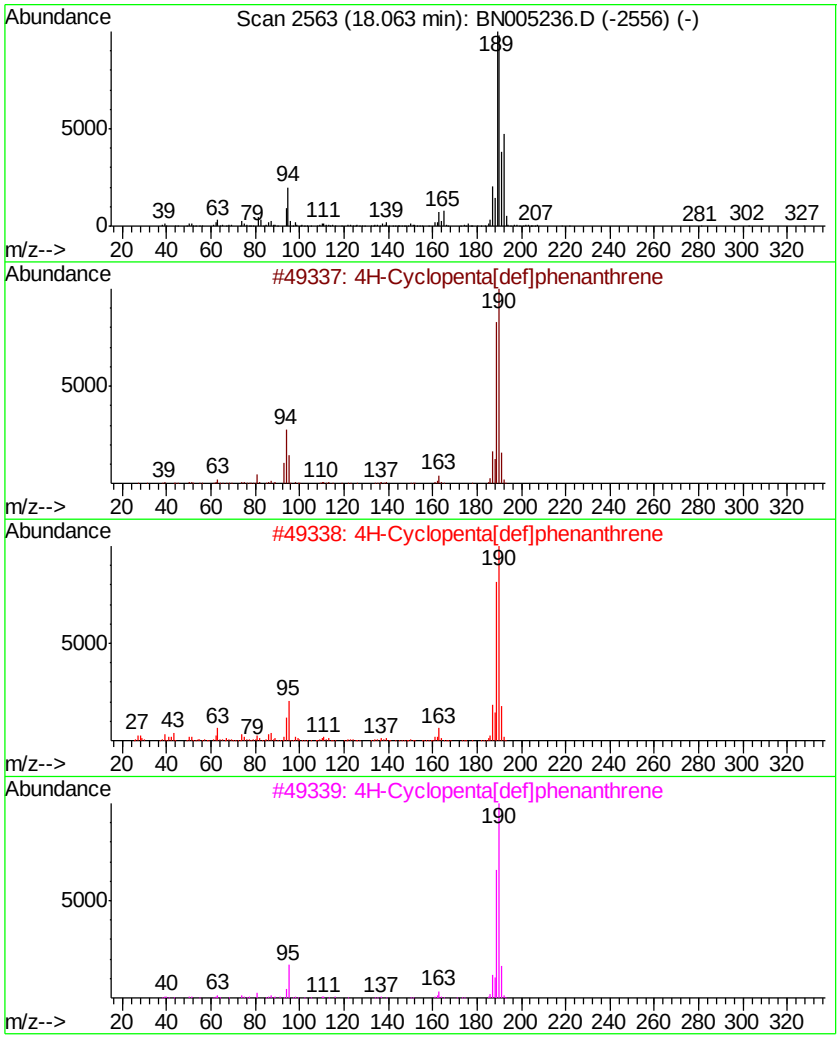
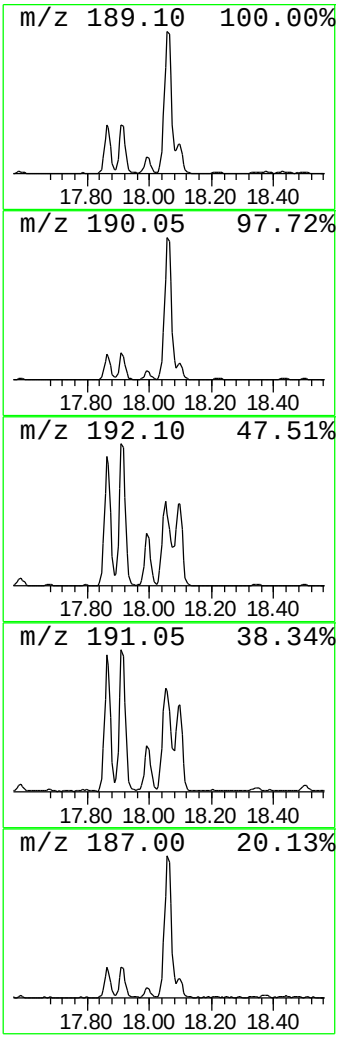
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	10.03 ng/ul	2639690	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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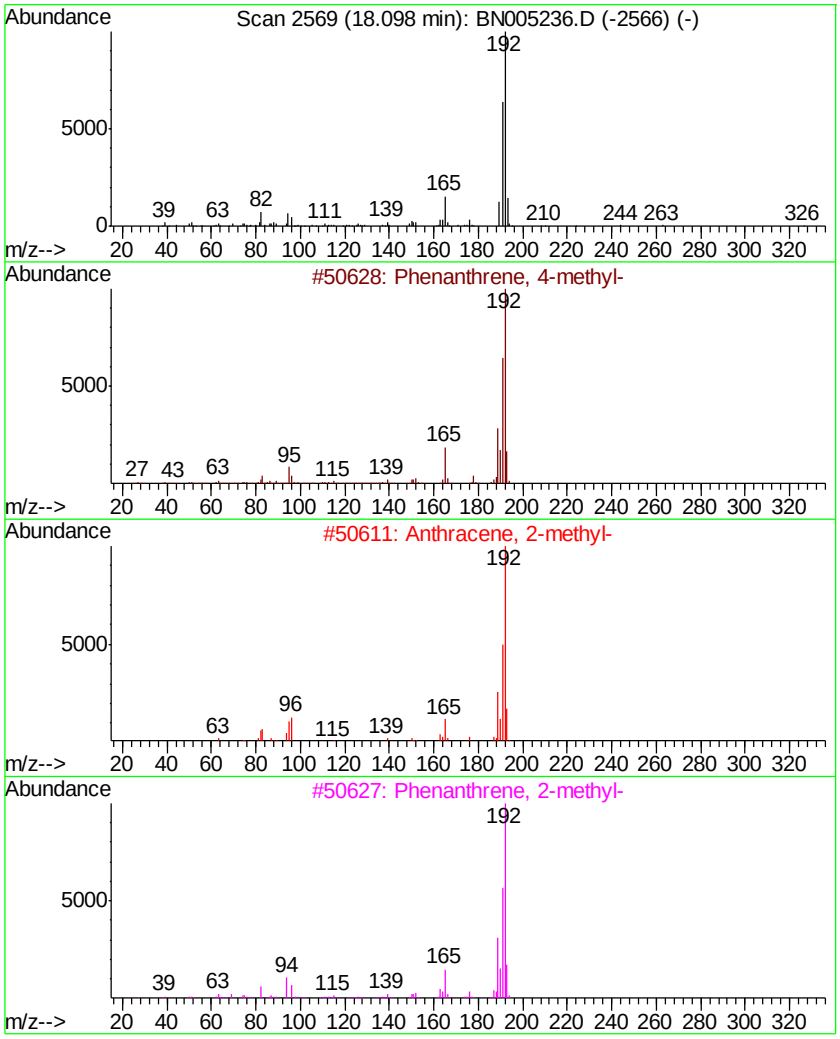
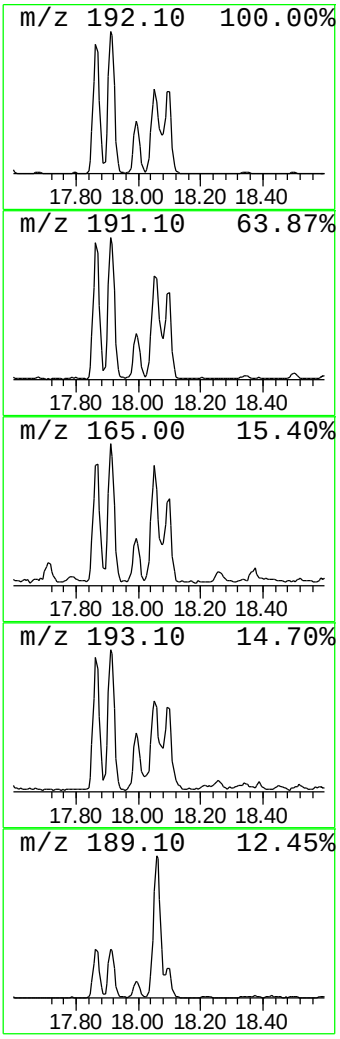
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	3.55 ng/ul	934569	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





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Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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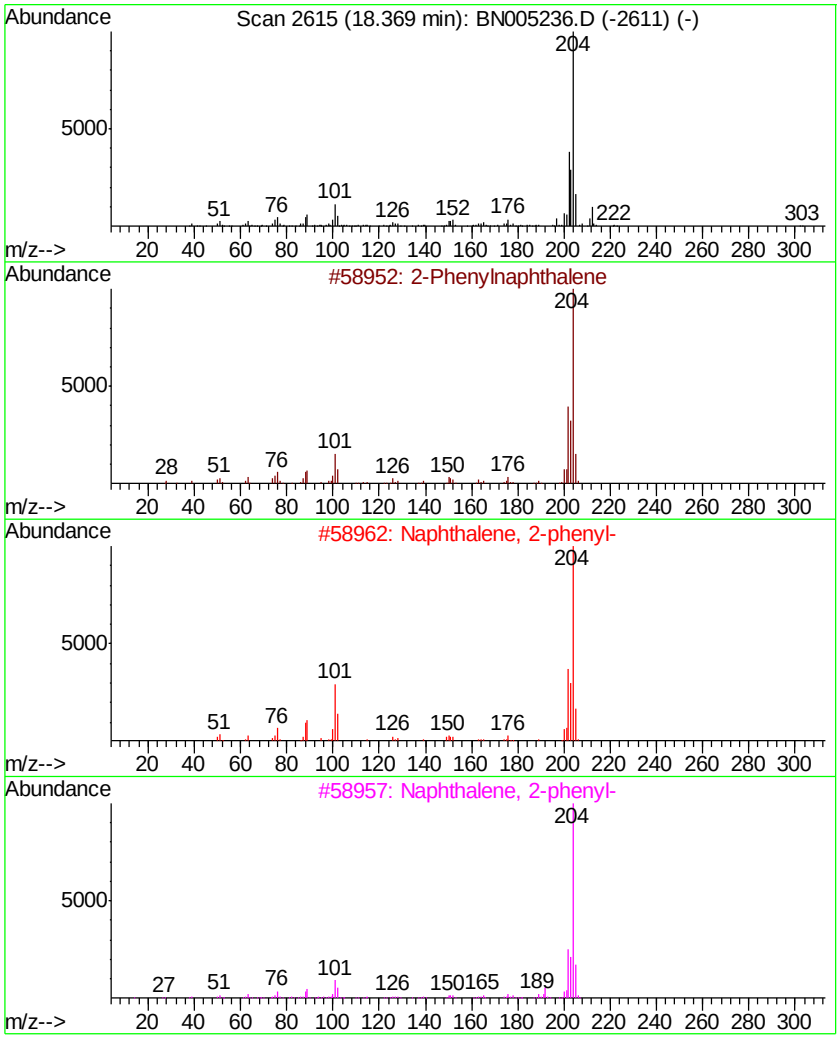
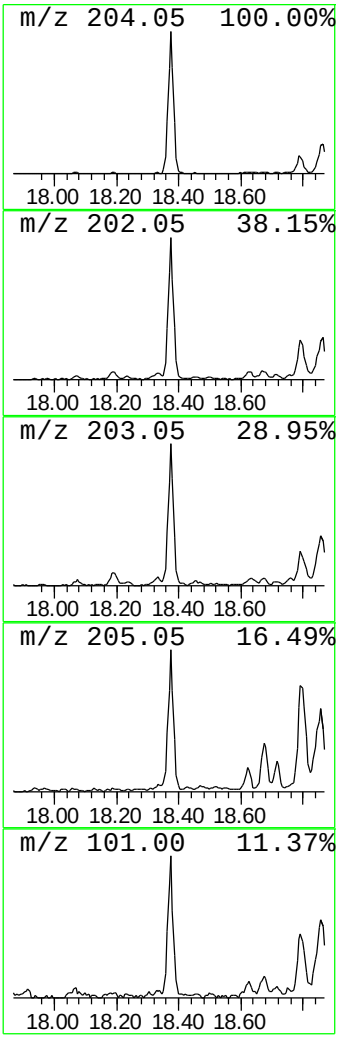
Peak Number 15 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.84 ng/ul	746625	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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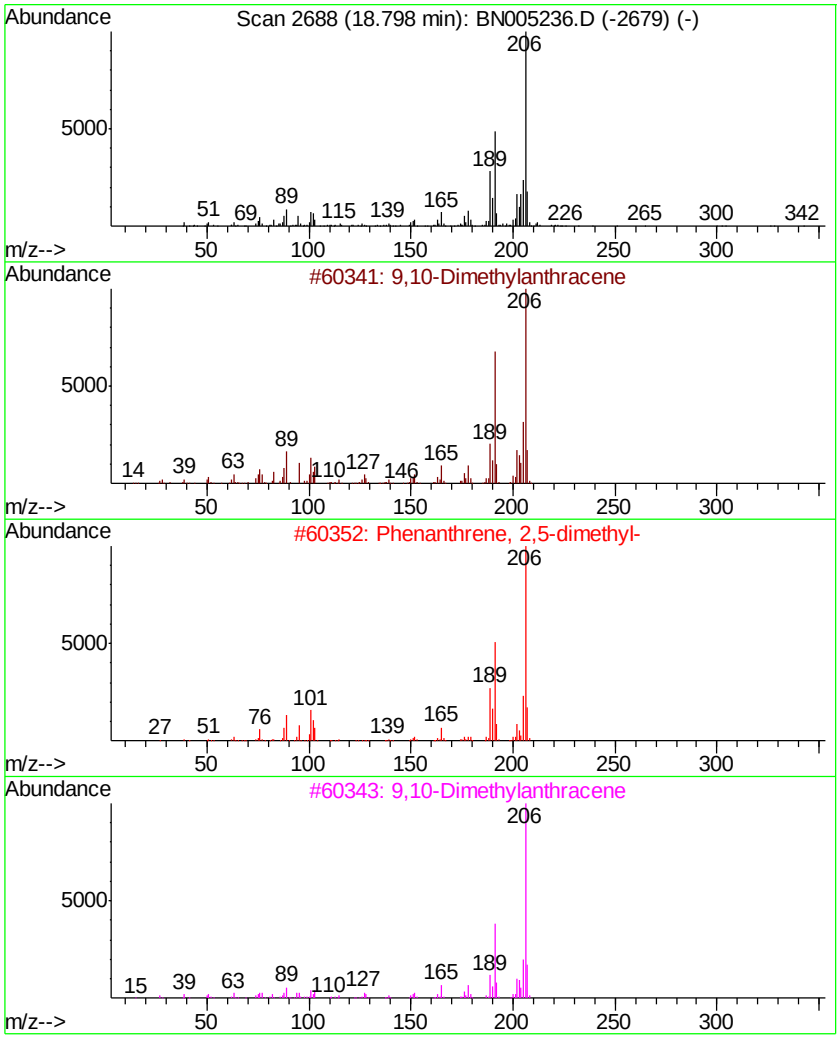
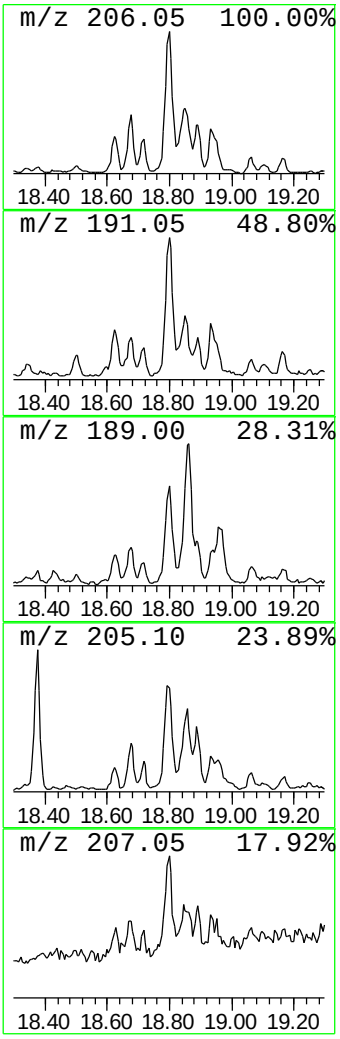
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.33 ng/ul	876055	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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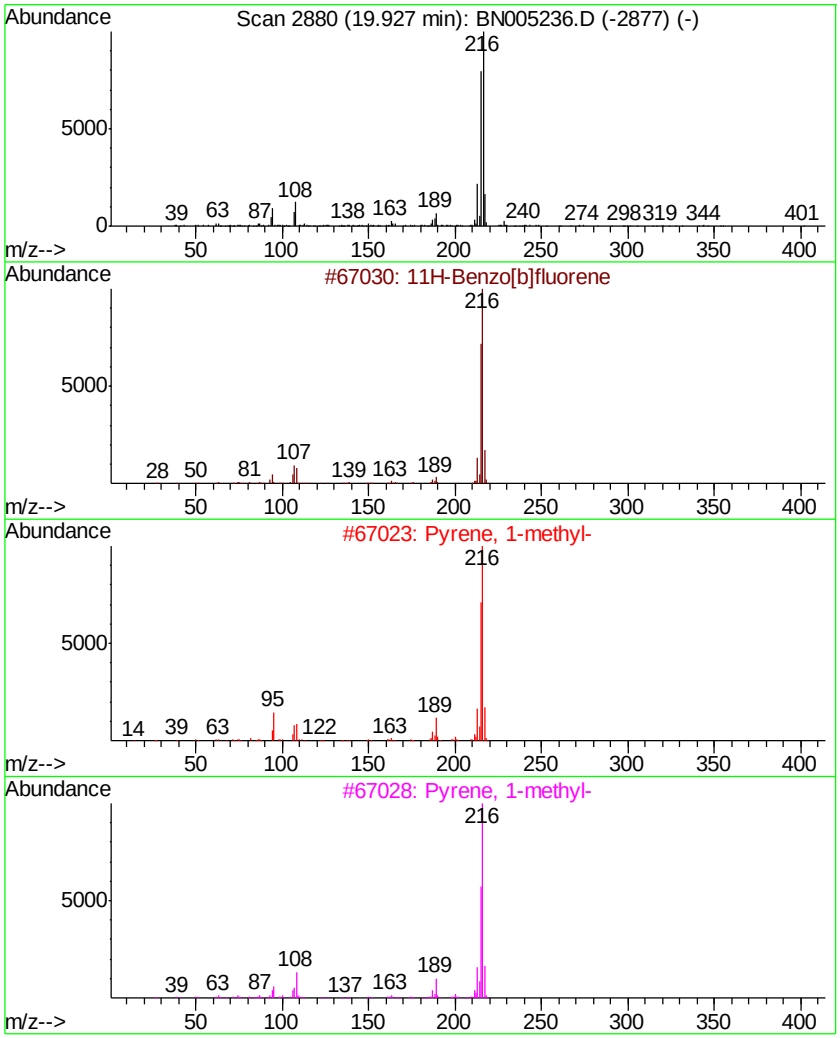
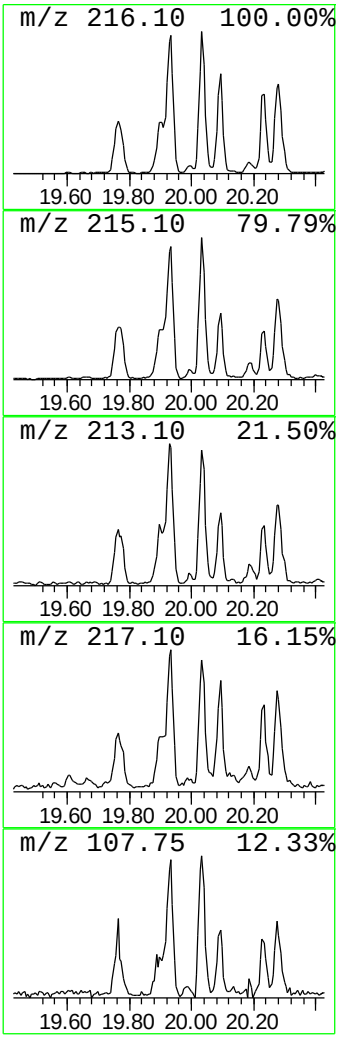
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.48 ng/ul	924403	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
Data File : BN005236.D
Acq On : 24 Apr 2019 04:15
Operator : JU/SJ
Sample : K2402-05DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHH7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indene	8.12	6.0	ng/ul	793282	1	7.60	2656140	20.0
1H-Indene, 1-methyl-	9.80	2.5	ng/ul	464250	2	10.36	3730370	20.0
Naphthalene, 1-me...	12.25	22.9	ng/ul	4267180	2	10.36	3730370	20.0
Naphthalene, 1,6-...	13.39	3.2	ng/ul	806182	3	14.23	5060880	20.0
Naphthalene, 2,3-...	13.55	7.1	ng/ul	1795110	3	14.23	5060880	20.0
Naphthalene, 1,5-...	13.79	2.9	ng/ul	744174	3	14.23	5060880	20.0
1,1'-Biphenyl, 3-...	14.85	2.1	ng/ul	540892	3	14.23	5060880	20.0
9H-Fluorene, 2-me...	16.29	2.7	ng/ul	711762	4	16.99	5263790	20.0
Dibenzothiophene	16.80	3.4	ng/ul	892038	4	16.99	5263790	20.0
Phenanthrene, 2-m...	17.86	5.9	ng/ul	1554820	4	16.99	5263790	20.0
Anthracene, 2-met...	17.91	6.4	ng/ul	1689120	4	16.99	5263790	20.0
Anthracene, 1-met...	17.99	2.3	ng/ul	599320	4	16.99	5263790	20.0
4H-Cyclopenta[def...	18.06	10.0	ng/ul	2639690	4	16.99	5263790	20.0
Phenanthrene, 4-m...	18.10	3.5	ng/ul	934569	4	16.99	5263790	20.0
2-Phenylnaphthalene	18.37	2.8	ng/ul	746625	4	16.99	5263790	20.0
9,10-Dimethylanth...	18.80	3.3	ng/ul	876055	4	16.99	5263790	20.0
11H-Benzo[b]fluorene	19.93	2.5	ng/ul	924403	5	21.22	7443880	20.0