LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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	5.634	444	450	456	rVB	125595	188477	1.63%	0.177%
2	6.769	638	643	652	rVB	56204	101486	0.88%	0.095%
3	7.128	699	704	713	rVB2	61943	104438	0.91%	0.098%
4	7.258	719	726	735	rBV	198984	356446	3.09%	0.335%
5	7.340	735	740	747	rVB	80470	125781	1.09%	0.118%
6	7.593	776	783	792	rBV	1930982	3058881	26.51%	2.875%
7	8.293	895	902	908	rBV3	69516	122250	1.06%	0.115%
8	8.852	990	997	1005	rBV3	89712	177219	1.54%	0.167%
9	9.340	1075	1080	1086	rBV2	68226	112988	0.98%	0.106%
10	9.799	1151	1158	1165	rBV6	44303	101805	0.88%	0.096%
11	9.940	1172	1182	1186	rVV	171016	325445	2.82%	0.306%
12	9.981	1186	1189	1198	rVB2	61853	116148	1.01%	0.109%
13	10.357	1244	1253	1265	rVV	2685472	4599805	39.86%	4.323%
14	11.404	1426	1431	1434	rBV4	63326	110284	0.96%	0.104%
15	11.552	1450	1456	1458	rBV4	98151	170457	1.48%	0.160%
16	11.687	1475	1479	1484	rVB2	74999	127567	1.11%	0.120%
17	11.804	1492	1499	1502	rBV5	58991	126402	1.10%	0.119%
18	11.875	1504	1511	1518	rVB	168489	459196	3.98%	0.432%
19	12.022	1531	1536	1543	rVB2	91182	192903	1.67%	0.181%
20	12.240	1569	1573	1580	rBV2	51758	107716	0.93%	0.101%
21	12.657	1639	1644	1651	rVB7	63396	119762	1.04%	0.113%
22	12.775	1660	1664	1668	rVV	92249	120624	1.05%	0.113%
23	13.069	1711	1714	1722	rVB	87605	152093	1.32%	0.143%
24	13.199	1726	1736	1740	rBV2	128967	305238	2.65%	0.287%
25	13.463	1775	1781	1785	rBV	137514	240199	2.08%	0.226%
26	13.546	1791	1795	1799	rVB2	77227	124586	1.08%	0.117%
27	13.646	1807	1812	1813	rBV	237611	296376	2.57%	0.279%
28	13.675	1813	1817	1824	rVV	1027943	1633687	14.16%	1.535%
29	13.734	1824	1827	1832	rVV	92745	146217	1.27%	0.137%
30	13.946	1853	1863	1871	rBV2	1164373	2070390	17.94%	1.946%
31	14.151	1894	1898	1902	rBV	139753	182463	1.58%	0.171%
32	14.228	1903	1911	1919	rBV2	3921725	6037795	52.32%	5.674%
33	14.445	1943	1948	1957	rVB3	69982	150571	1.30%	0.141%
34	14.710	1990	1993	1997	rVB2	95215	130749	1.13%	0.123%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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	14.775	1999	2004	2008	rBV3	91666	171437	1.49%	0.161%
36	14.834	2009	2014	2019	rVV	570492	965454	8.37%	0.907%
37	14.881	2019	2022	2028	rVV2	158084	291126	2.52%	0.274%
38	14.940	2028	2032	2038	rVB	160506	239320	2.07%	0.225%
39	14.998	2038	2042	2051	rBV3	151422	322593	2.80%	0.303%
40	15.104	2055	2060	2066	rVB2	398054	626436	5.43%	0.589%
41	15.222	2076	2080	2086	rVB	358614	521008	4.52%	0.490%
42	15.298	2090	2093	2102	rVB2	126451	239409	2.07%	0.225%
43	15.404	2108	2111	2115	rVB2	117640	148720	1.29%	0.140%
44	15.504	2121	2128	2135	rVB4	191843	539968	4.68%	0.507%
45	15.734	2164	2167	2172	rVB4	81923	124175	1.08%	0.117%
46	15.898	2191	2195	2200	rBV5	76633	137737	1.19%	0.129%
47	15.975	2201	2208	2211	rBV3	262523	568989	4.93%	0.535%
48	16.557	2303	2307	2313	rBV	341986	491858	4.26%	0.462%
49	16.769	2341	2343	2346	rVB2	148456	159634	1.38%	0.150%
50	16.828	2350	2353	2357	rVB3	125245	174165	1.51%	0.164%
51	16.981	2373	2379	2384	rBV2	5008324	7186115	62.28%	6.753%
52	17.022	2384	2386	2390	rVV	454755	503820	4.37%	0.473%
53	17.075	2392	2395	2398	rVV2	228492	358699	3.11%	0.337%
54	17.110	2398	2401	2406	rVB	594283	805953	6.98%	0.757%
55	17.510	2465	2469	2473	rVB2	307678	397766	3.45%	0.374%
56	17.857	2524	2528	2532	rBV	487691	664700	5.76%	0.625%
57	17.904	2532	2536	2543	rVB	751965	1044590	9.05%	0.982%
58	17.986	2546	2550	2554	rBV2	285678	370783	3.21%	0.348%
59	18.045	2555	2560	2565	rBV2	693306	1408747	12.21%	1.324%
60	18.181	2581	2583	2585	rBV	102237	105373	0.91%	0.099%
61	18.369	2612	2615	2618	rVB	288058	333695	2.89%	0.314%
62	18.616	2654	2657	2661	rBV2	258337	366011	3.17%	0.344%
63	18.669	2663	2666	2670	rVV2	385625	508980	4.41%	0.478%
64	18.710	2670	2673	2677	rVB	183047	226291	1.96%	0.213%
65	18.792	2682	2687	2692	rBV2	871046	1313847	11.39%	1.235%
66	18.851	2692	2697	2700	rBV3	572869	925301	8.02%	0.870%
67	18.928	2706	2710	2718	rBV4	670776	1264129	10.96%	1.188%
68	19.057	2727	2732	2738	rVB2	1768268	2477576	21.47%	2.328%
69	19.128	2740	2744	2747	rBV	314254	449833	3.90%	0.423%
70	19.204	2754	2757	2761	rVB	431519	511191	4.43%	0.480%
71	19.328	2773	2778	2785	rBV2	515247	1132710	9.82%	1.064%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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	19.422	2786	2794	2802	rVV	3954321	6252756	54.19%	5.876%
73	19.757	2846	2851	2862	rVB3	859260	1835047	15.90%	1.724%
74	19.845	2862	2866	2868	rBV3	195397	288380	2.50%	0.271%
75	19.904	2869	2876	2878	rBV4	849462	1892087	16.40%	1.778%
76	19.980	2886	2889	2892	rBV4	234856	324308	2.81%	0.305%
77	20.028	2893	2897	2901	rVV	488147	615895	5.34%	0.579%
78	20.086	2903	2907	2911	rBV	1156546	1462456	12.67%	1.374%
79	20.228	2927	2931	2935	rBV	1160861	1493245	12.94%	1.403%
80	20.275	2935	2939	2944	rVB	999050	1343426	11.64%	1.262%
81	20.486	2973	2975	2977	rBV3	197549	175329	1.52%	0.165%
82	20.533	2980	2983	2985	rVV2	250837	309958	2.69%	0.291%
83	20.680	3005	3008	3016	rVB	586433	1158669	10.04%	1.089%
84	20.828	3030	3033	3037	rBV3	292115	425753	3.69%	0.400%
85	20.892	3041	3044	3047	rBV	512998	530095	4.59%	0.498%
86	20.928	3047	3050	3052	rBV	284483	347972	3.02%	0.327%
87	20.986	3057	3060	3072	rVB5	432617	1231564	10.67%	1.157%
88	21.210	3091	3098	3102	rBV2	6519628	11539160	100.00%	10.844%
89	21.245	3102	3104	3111	rVB2	1926170	2753465	23.86%	2.588%
90	21.416	3129	3133	3137	rVB	766673	986120	8.55%	0.927%
91	21.763	3189	3192	3196	rVB	1391040	1710670	14.82%	1.608%
92	21.810	3197	3200	3207	rVB3	759114	1121779	9.72%	1.054%
93	21.957	3221	3225	3227	rBV	560141	897315	7.78%	0.843%
94	21.986	3227	3230	3238	rVB2	1157996	1847002	16.01%	1.736%
95	22.763	3357	3362	3366	rBV2	988020	2225724	19.29%	2.092%
96	22.927	3386	3390	3394	rVB	394865	605026	5.24%	0.569%
97	23.222	3435	3440	3445	rBV	881664	1547022	13.41%	1.454%
98	23.316	3450	3456	3465	rVB2	1734422	3312912	28.71%	3.113%
99	23.410	3466	3472	3478	rBV	3188774	5803424	50.29%	5.454%
100	25.580	3835	3841	3853	rVB3	588245	1801729	15.61%	1.693%

Sum of corrected areas: 106412871

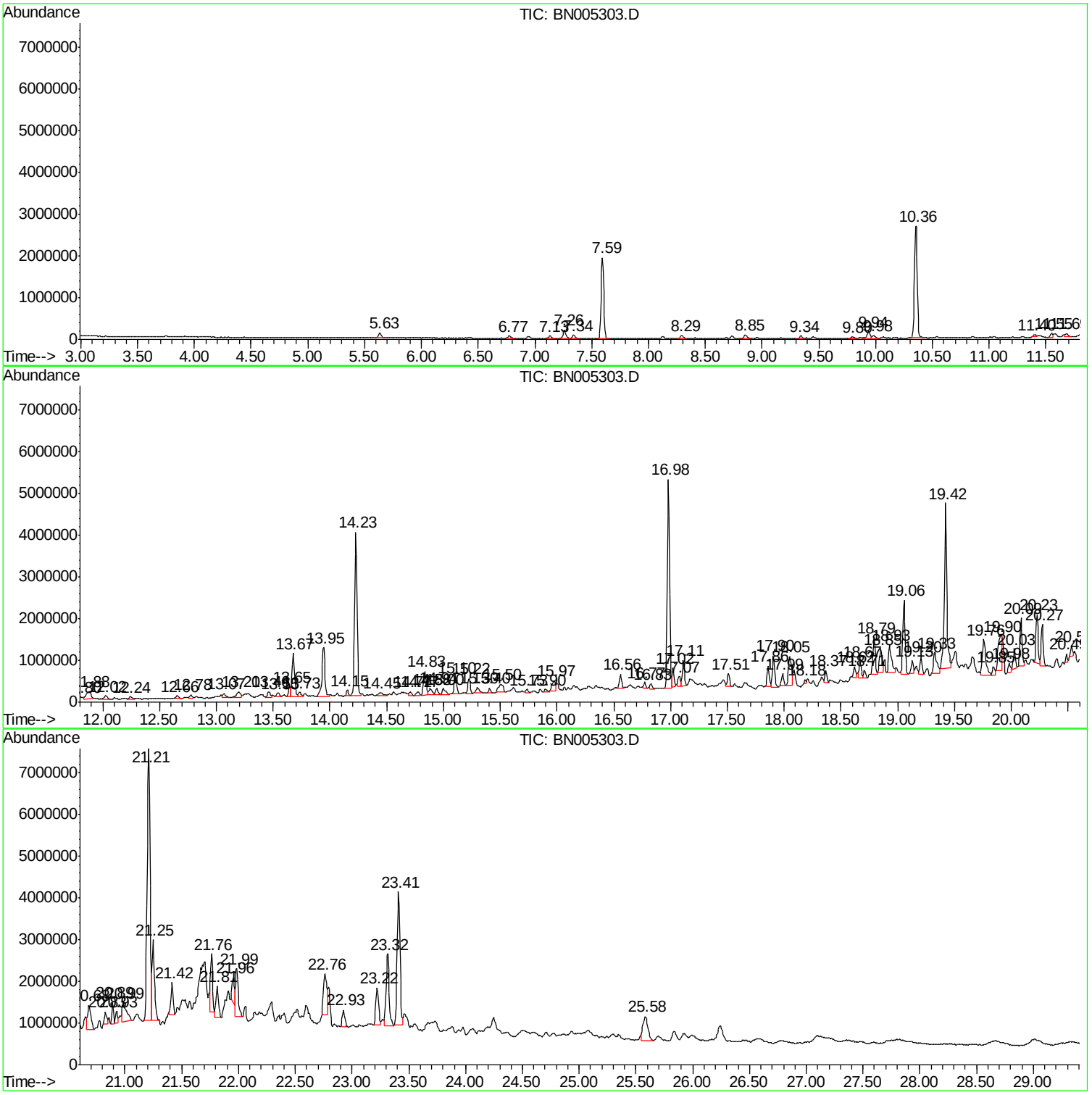
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHQ0

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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

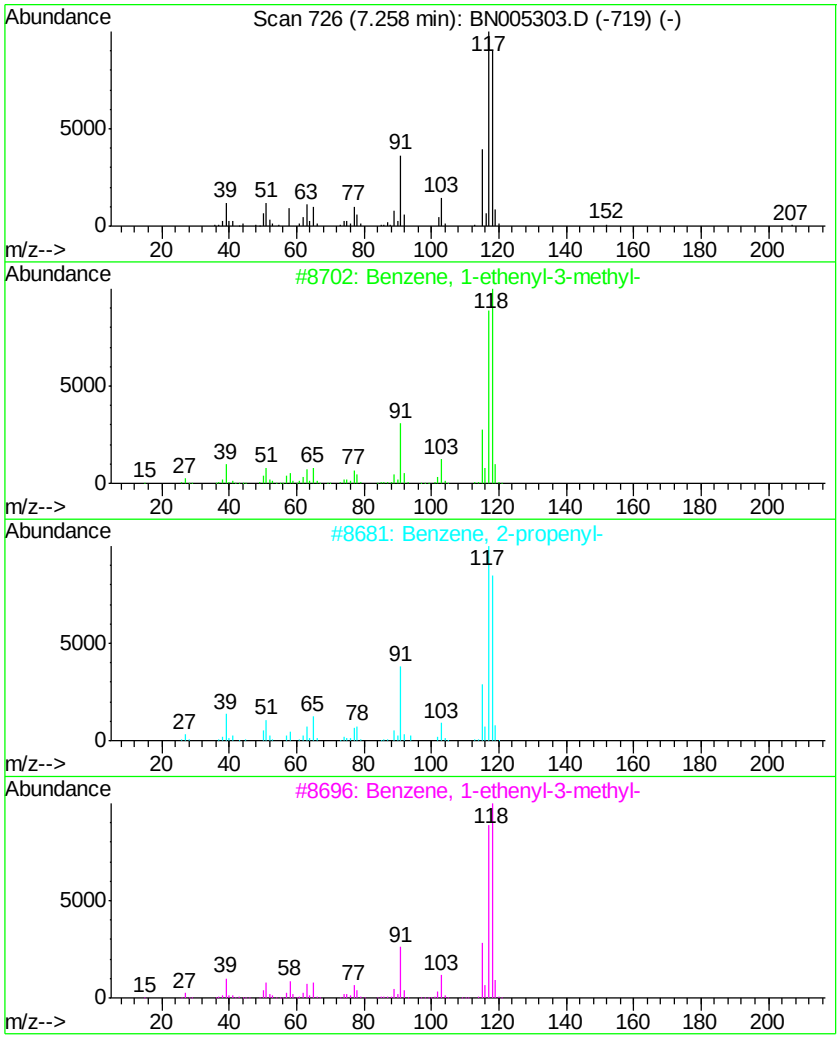
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

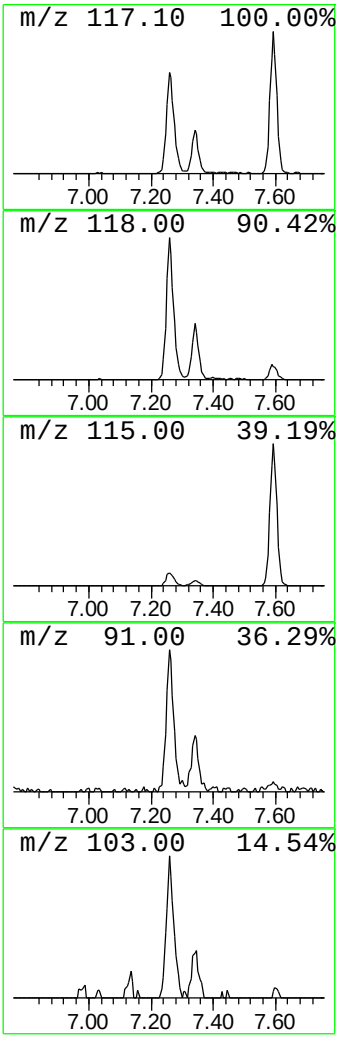
****

Peak Number 1 Benzene, 1-ethenyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	2.33 ng/ul	356446	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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

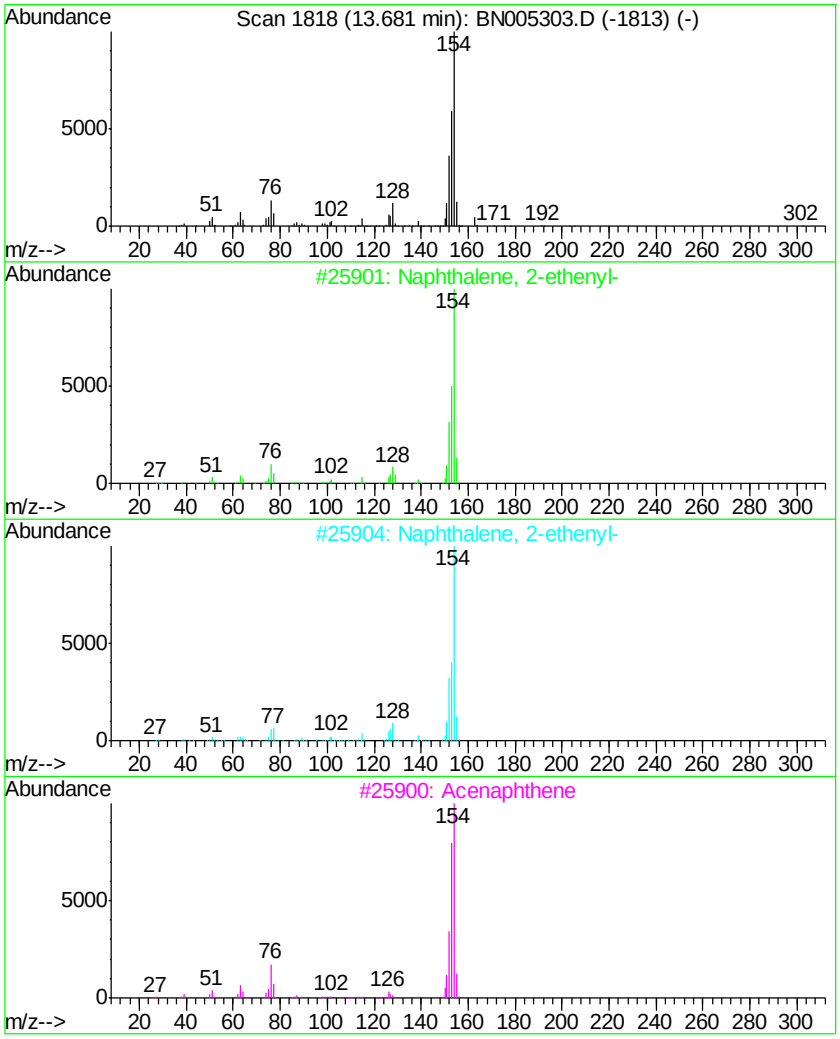
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

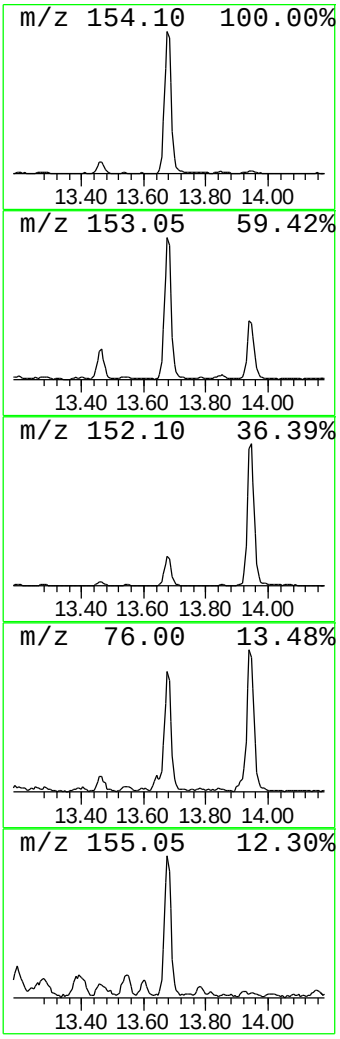
****

Peak Number 2 Naphthalene, 2-ethenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	5.41 ng/ul	1633690	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	96
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
3	Acenaphthene	154	C12H10	000083-32-9	93
4	Biphenyl	154	C12H10	000092-52-4	81
5	Biphenyl	154	C12H10	000092-52-4	70





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Instrument : BNA_N
ClientSampleId : GAHQ0

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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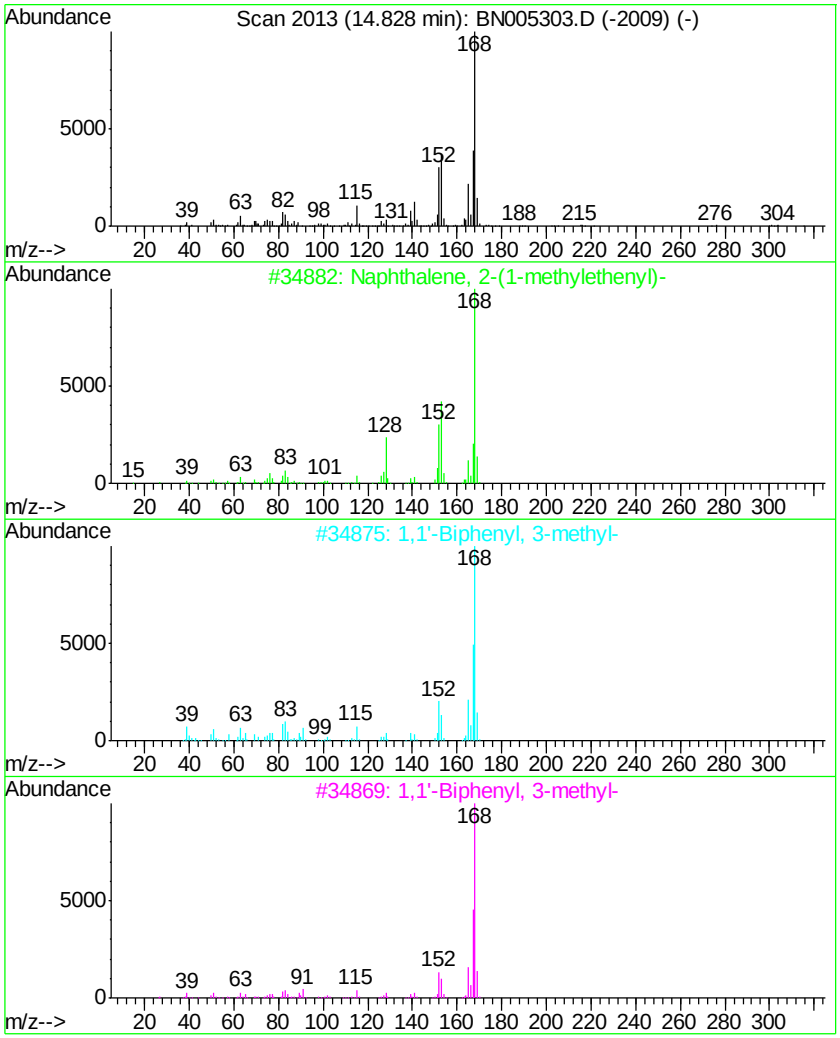
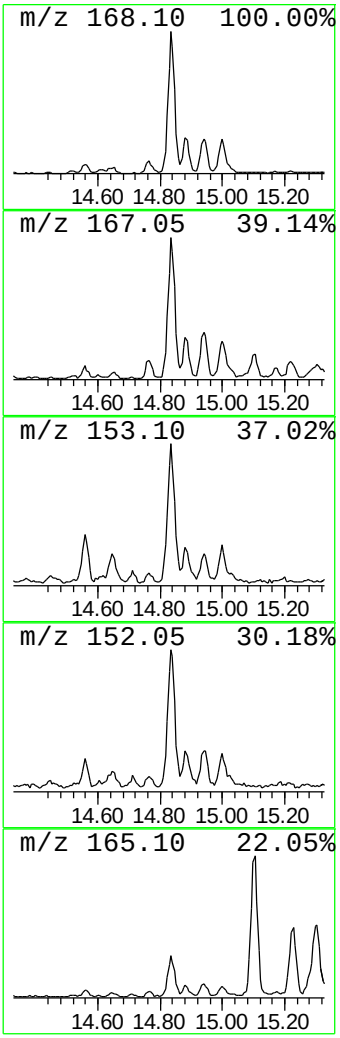
Peak Number 3 Naphthalene, 2-(1-methyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.20 ng/ul	965454	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	68
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	68
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHQ0

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

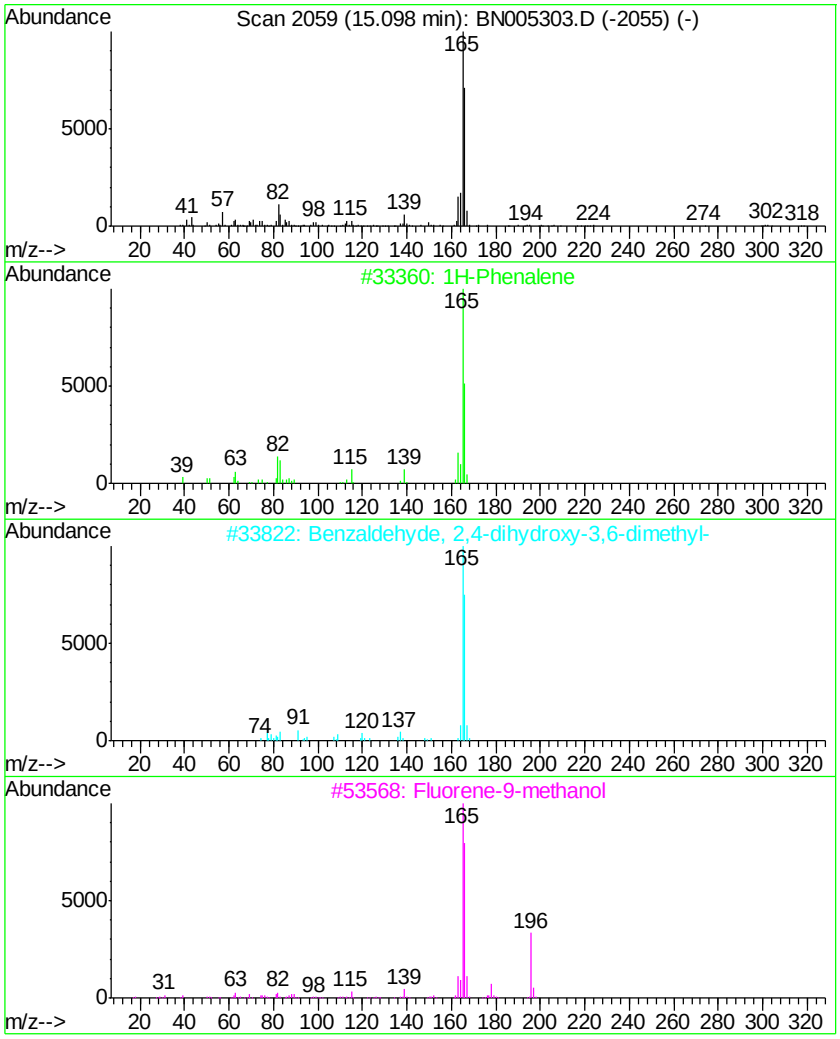
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

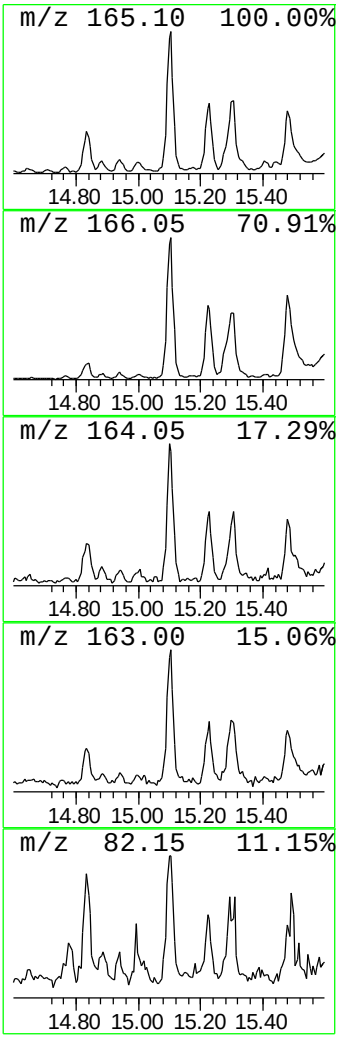
****

Peak Number 4 1H-Phenalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.08 ng/ul	626436	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	64
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
3	Fluorene-9-methanol	196	C14H12O	024324-17-2	64
4	Benzaldehyde, 2-hydroxy-4-methox...	166	C9H10O3	034883-08-4	58
5	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	58





Library Search Compound Report

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Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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

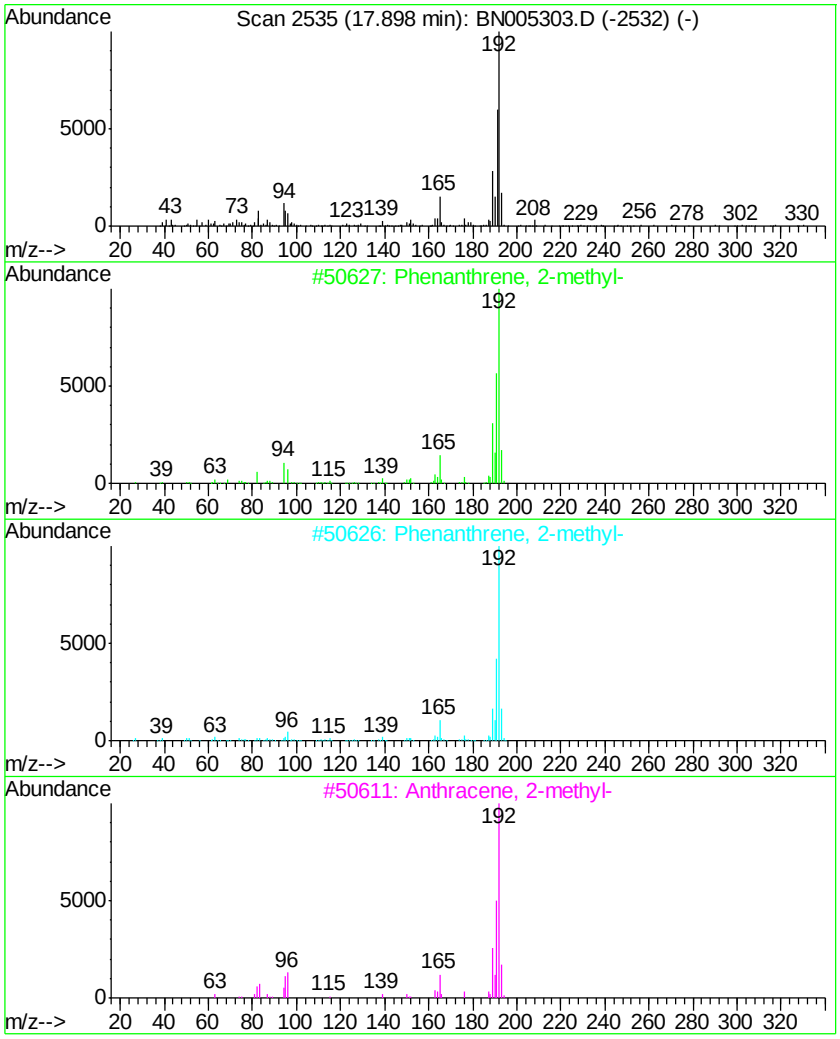
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

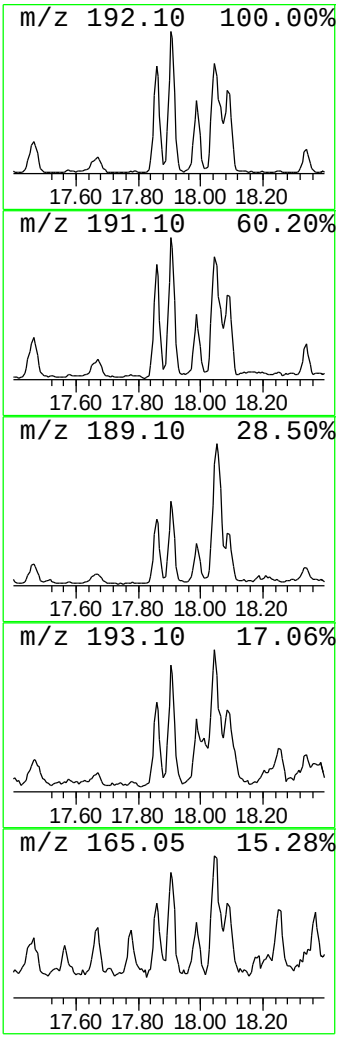
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	2.91 ng/ul	1044590	Phenanthrene-d10	16.98

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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Quant Title : SVOA CALIBRATION

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

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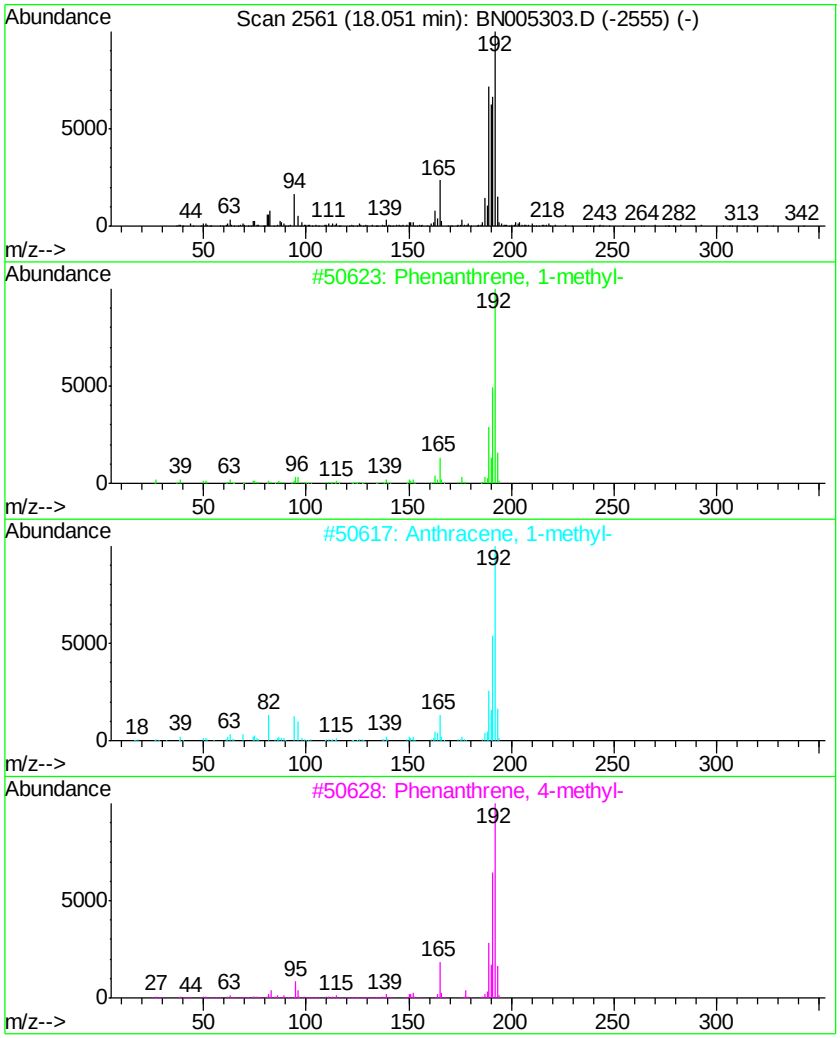
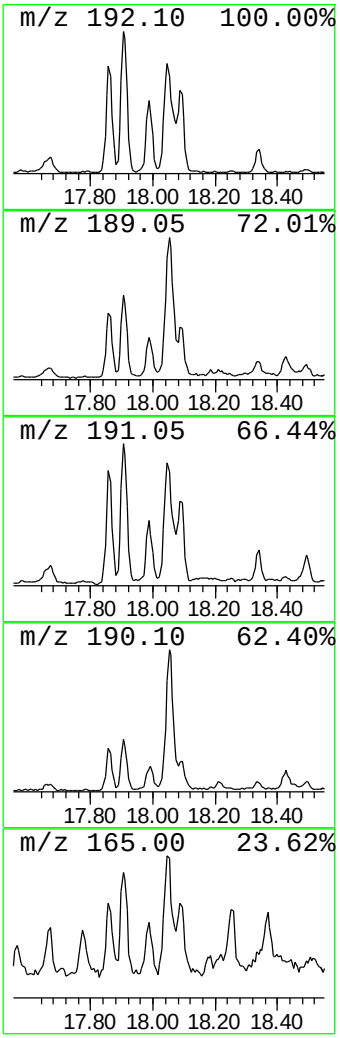
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.92 ng/ul	1408750	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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Quant Title : SVOA CALIBRATION

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

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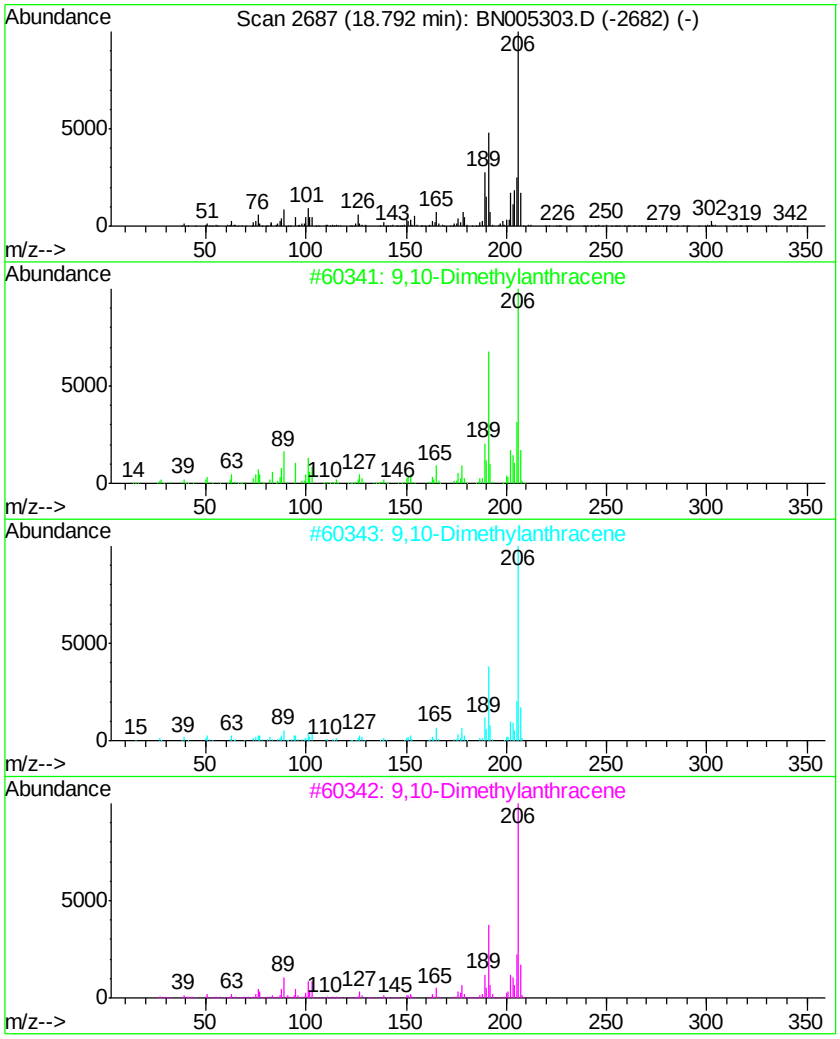
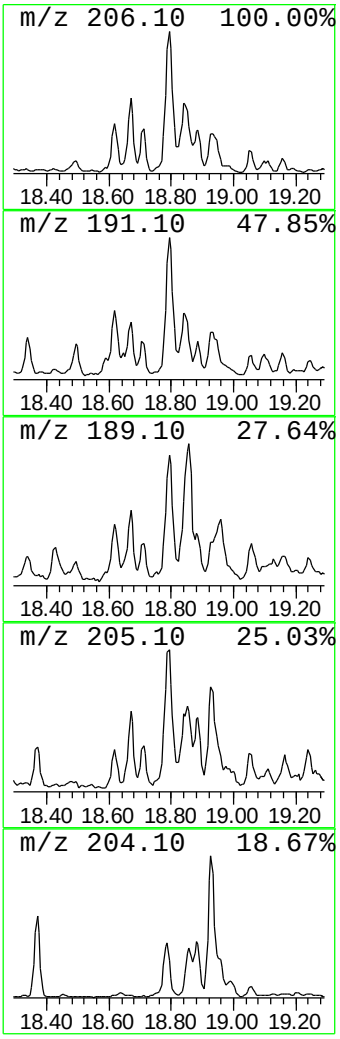
Peak Number 7 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.66 ng/ul	1313850	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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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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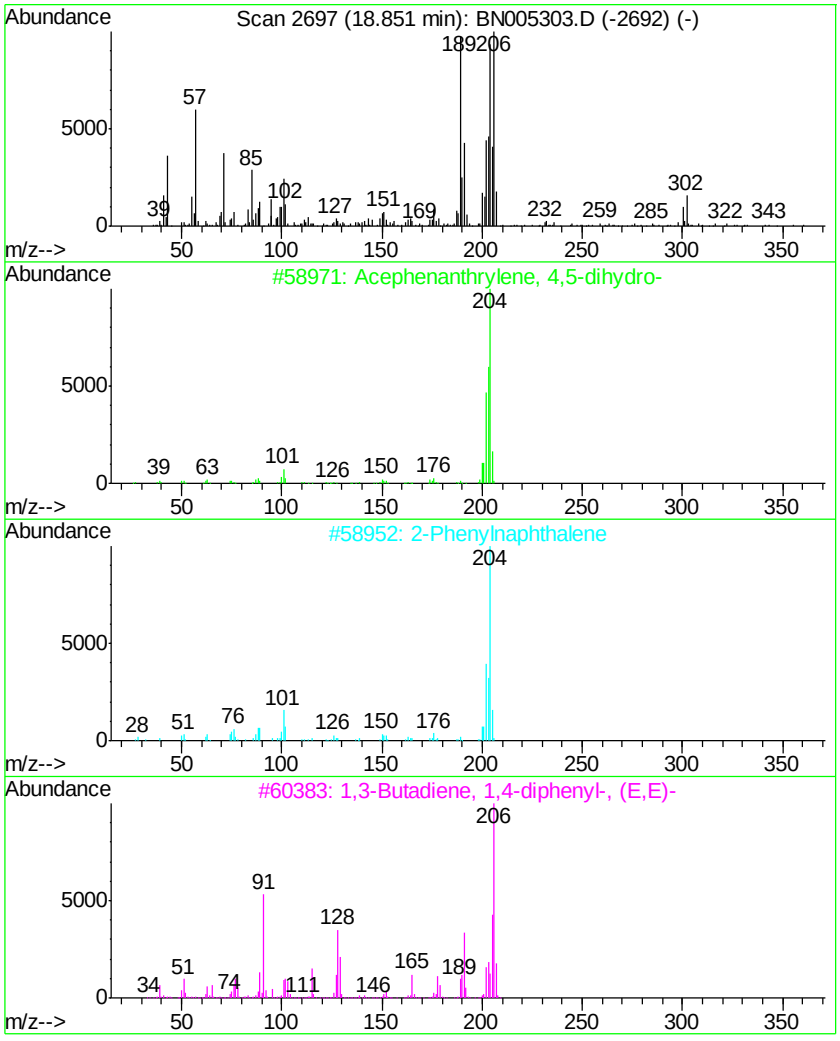
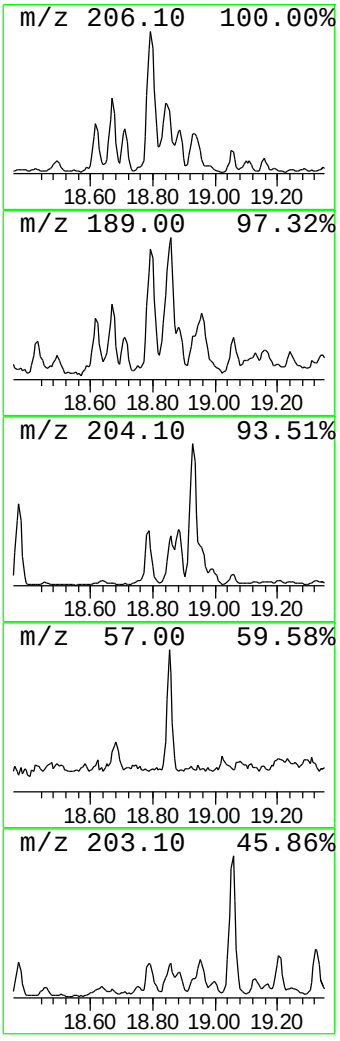
Peak Number 8 Acephenanthrylene, 4,5-dihy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.58 ng/ul	925301	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	62
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	43
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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Quant Title : SVOA CALIBRATION

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

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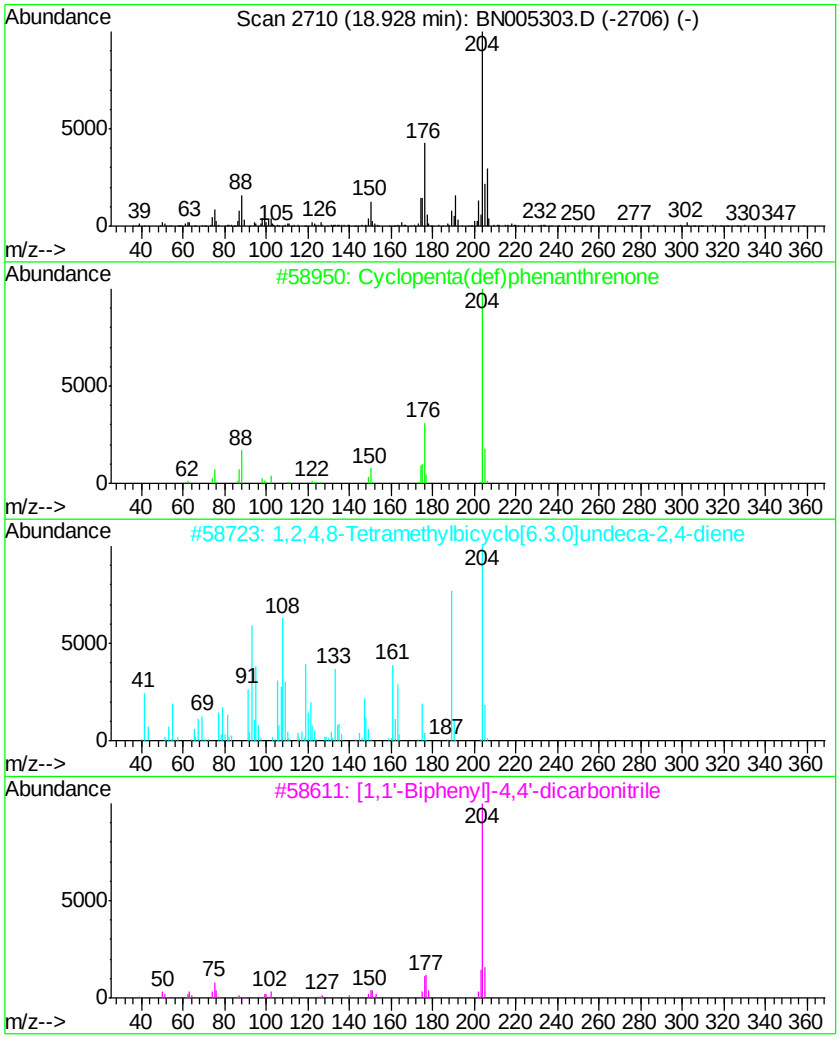
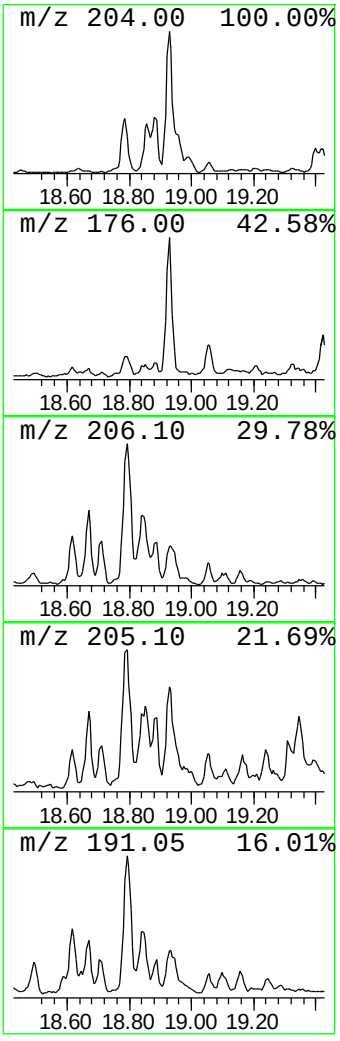
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.52 ng/ul	1264130	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43





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Quant Title : SVOA CALIBRATION

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

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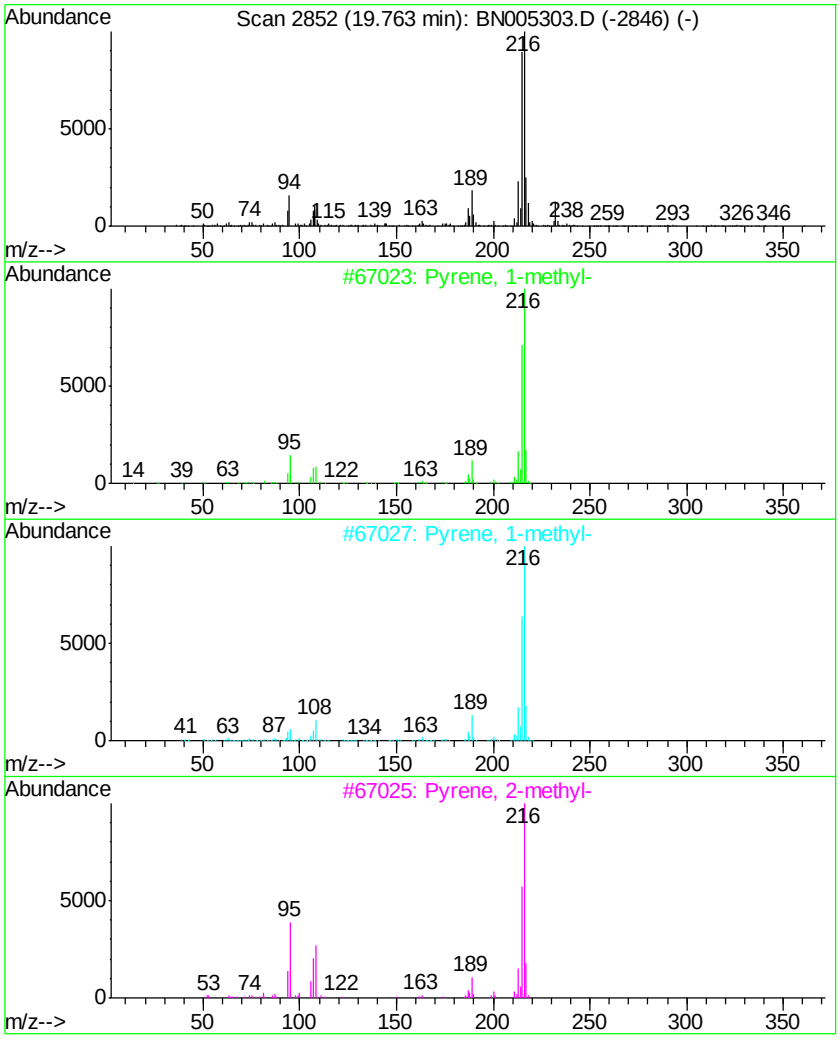
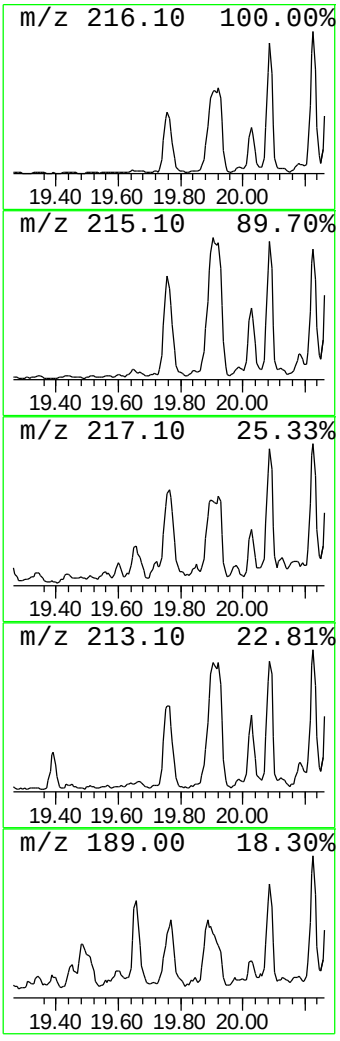
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.18 ng/ul	1835050	Chrysene-d12	21.21

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	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : GAHQ0

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Quant Title : SVOA CALIBRATION

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

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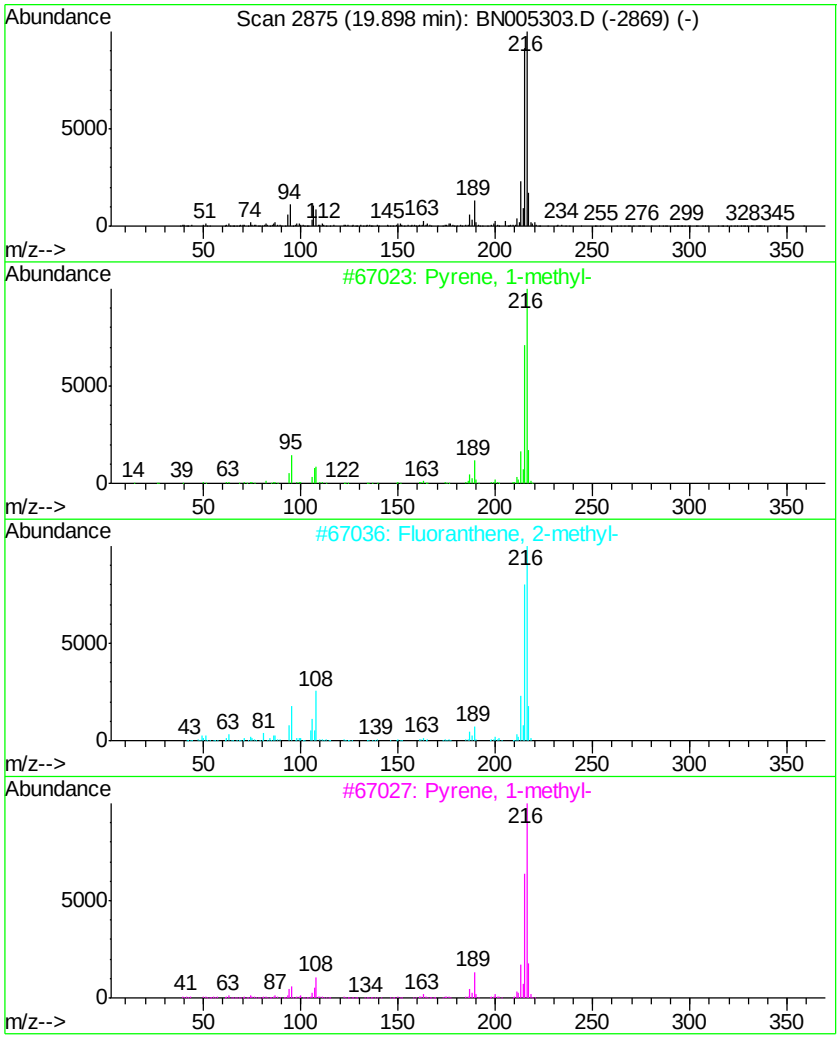
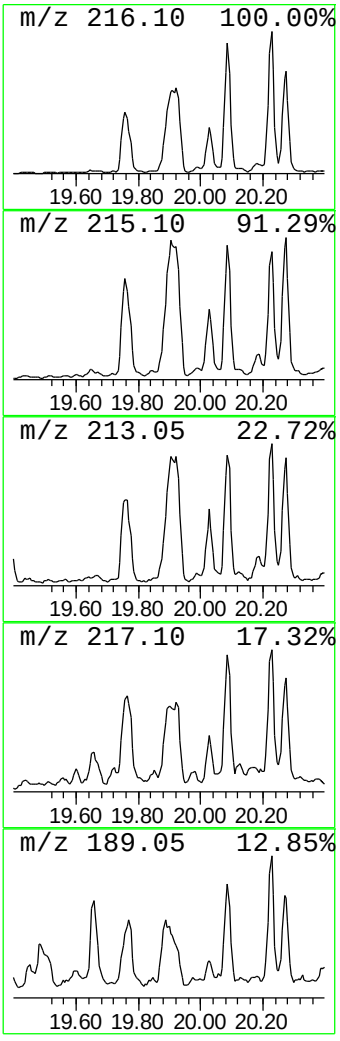
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.28 ng/ul	1892090	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

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Operator : JU/SJ
Sample : K2456-12 20X
Misc :
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ClientSampleId : GAHQ0

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Quant Title : SVOA CALIBRATION

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

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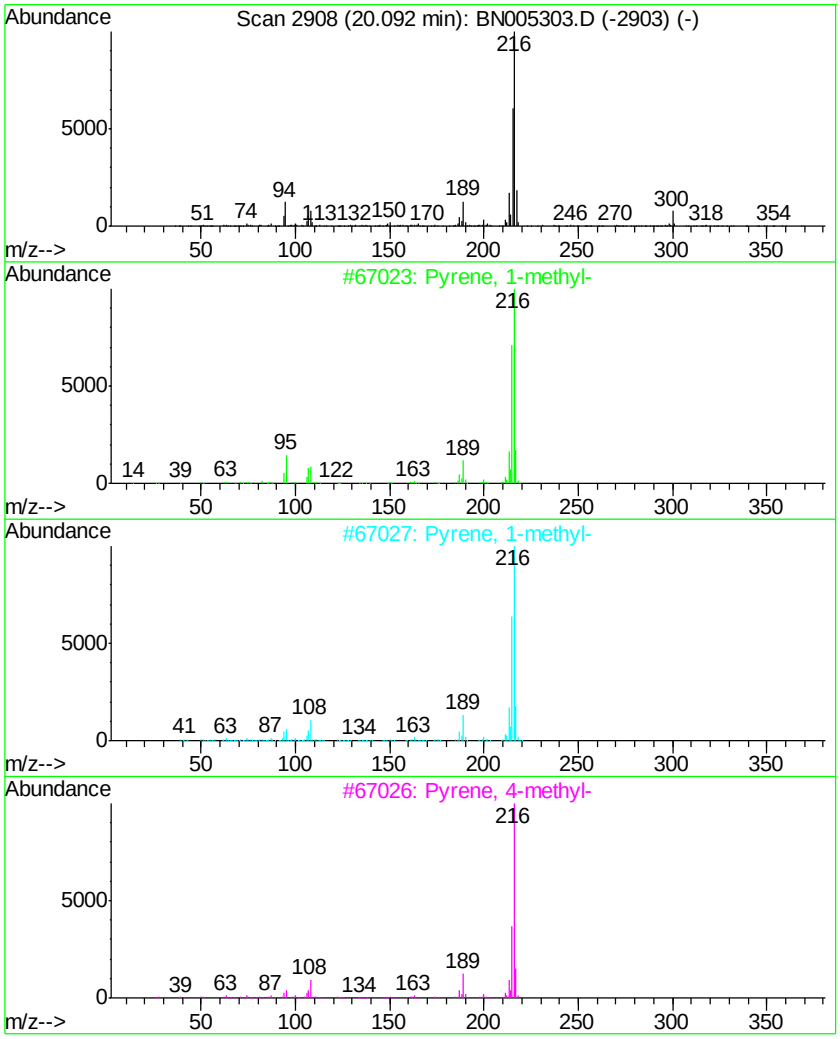
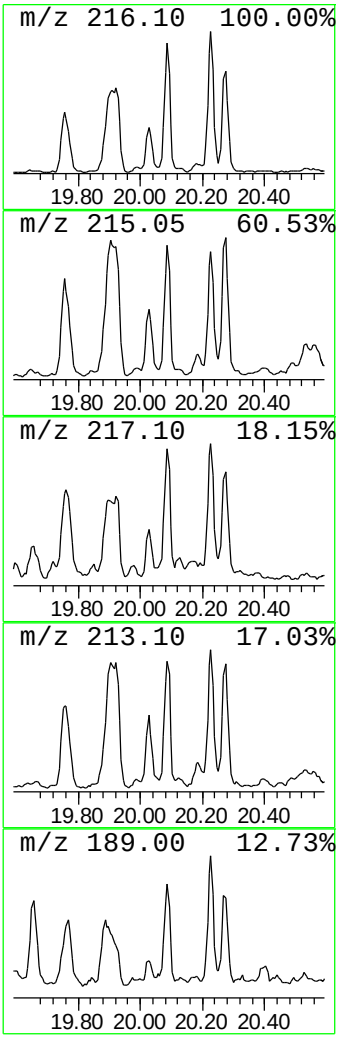
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.53 ng/ul	1462460	Chrysene-d12	21.21

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	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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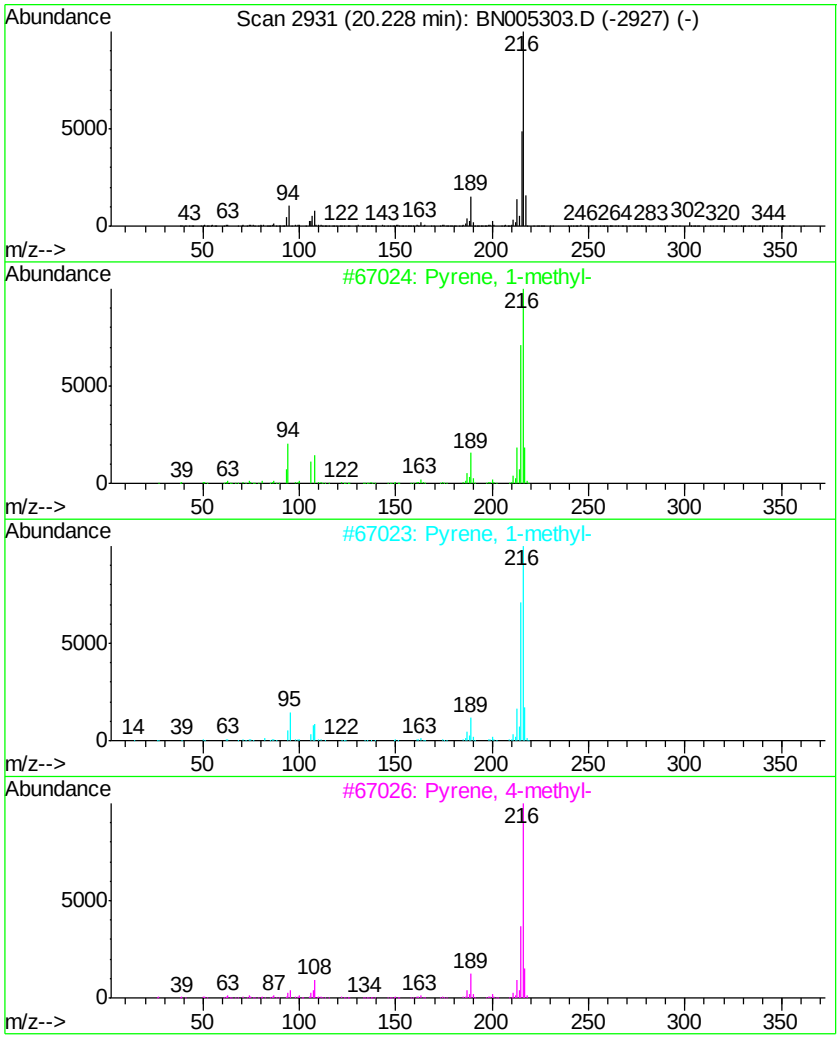
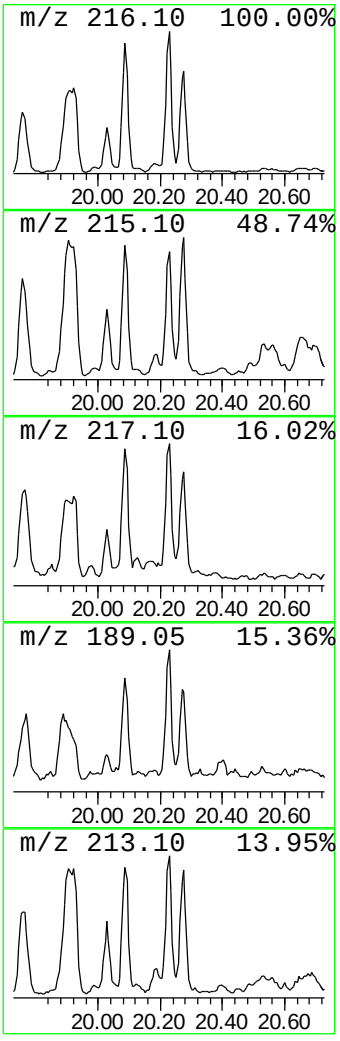
Peak Number 13 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	2.59 ng/ul	1493250	Chrysene-d12	21.21

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





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Quant Title : SVOA CALIBRATION

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

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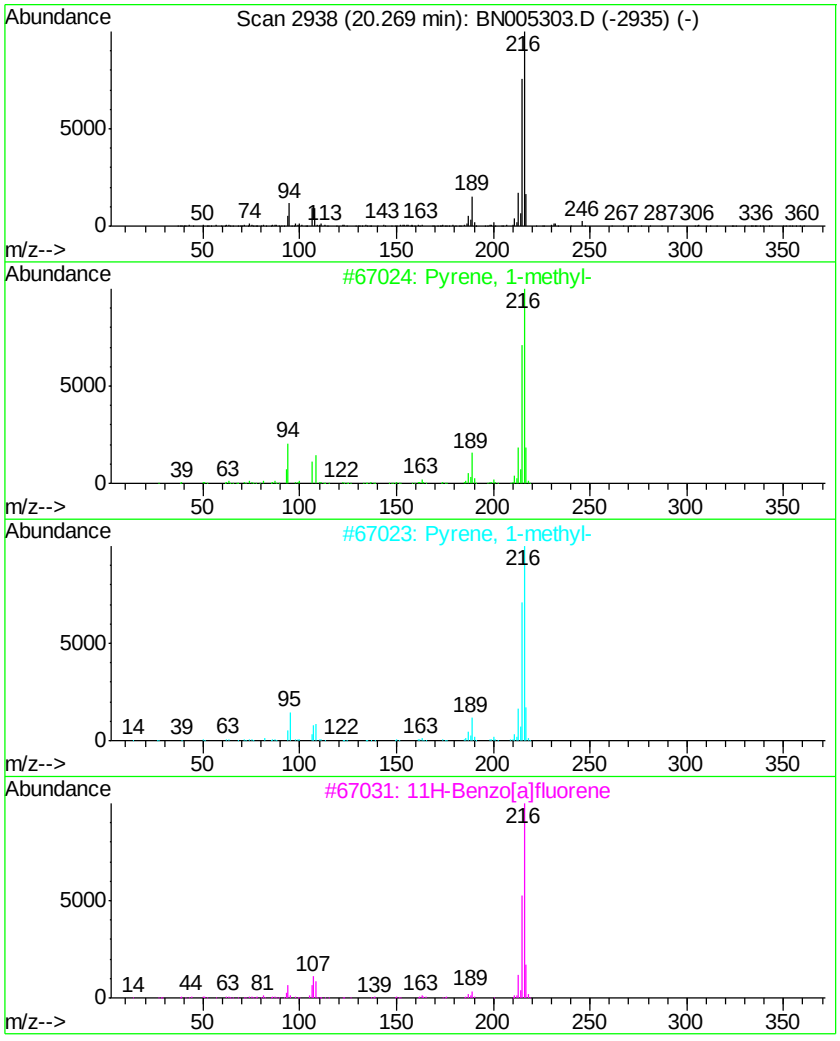
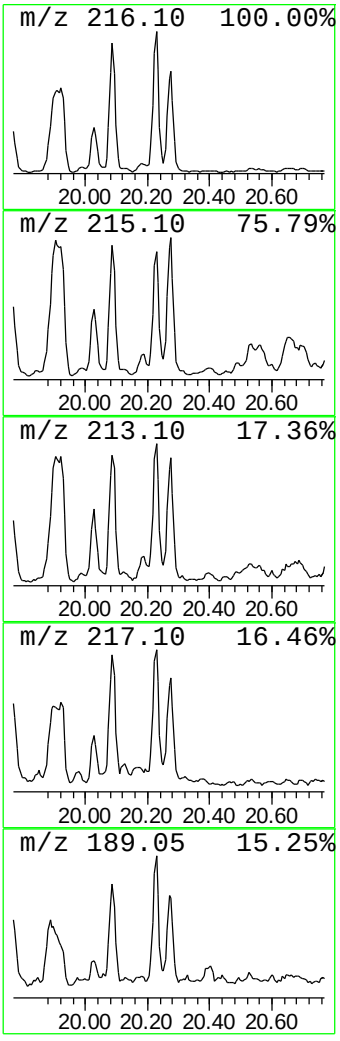
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.33 ng/ul	1343430	Chrysene-d12	21.21

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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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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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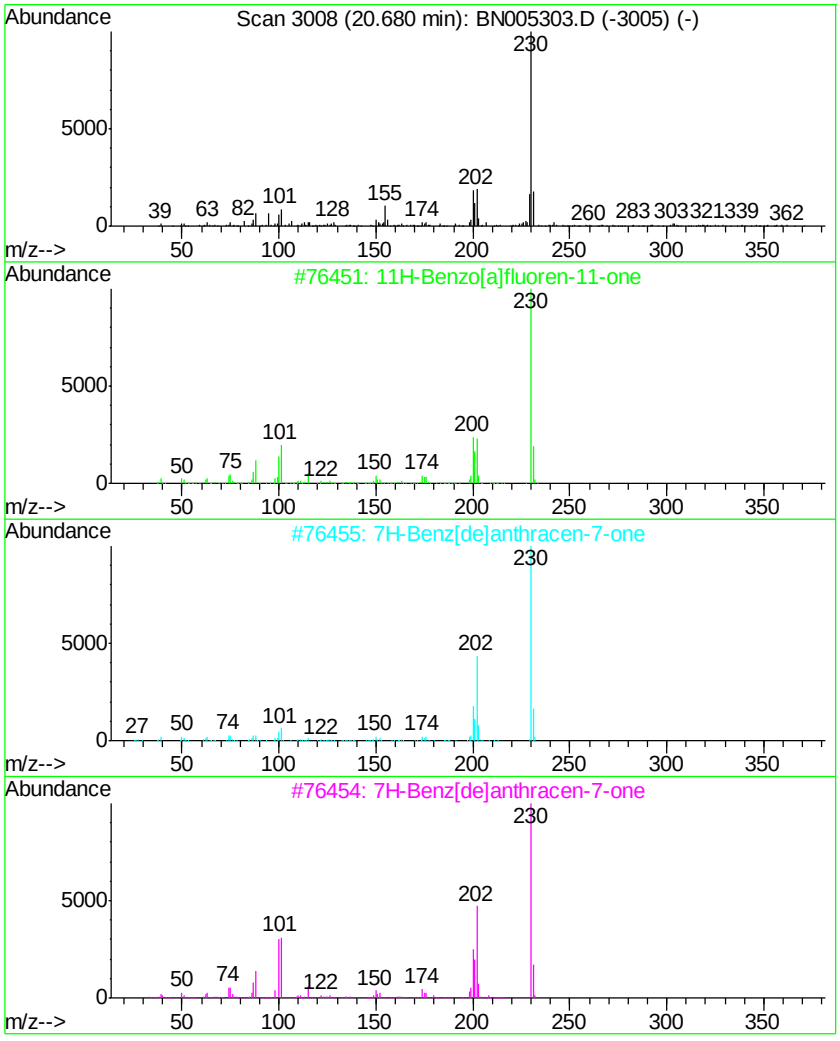
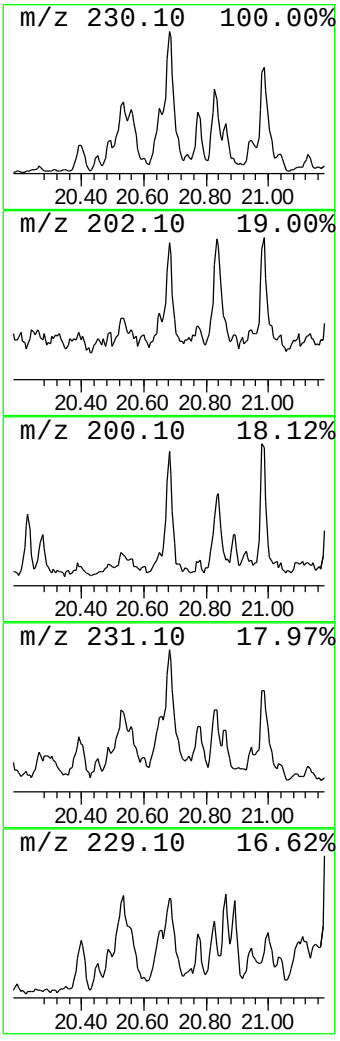
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	2.01 ng/ul	1158670	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	m-Terphenyl	230	C18H14	000092-06-8	59





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Quant Title : SVOA CALIBRATION

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

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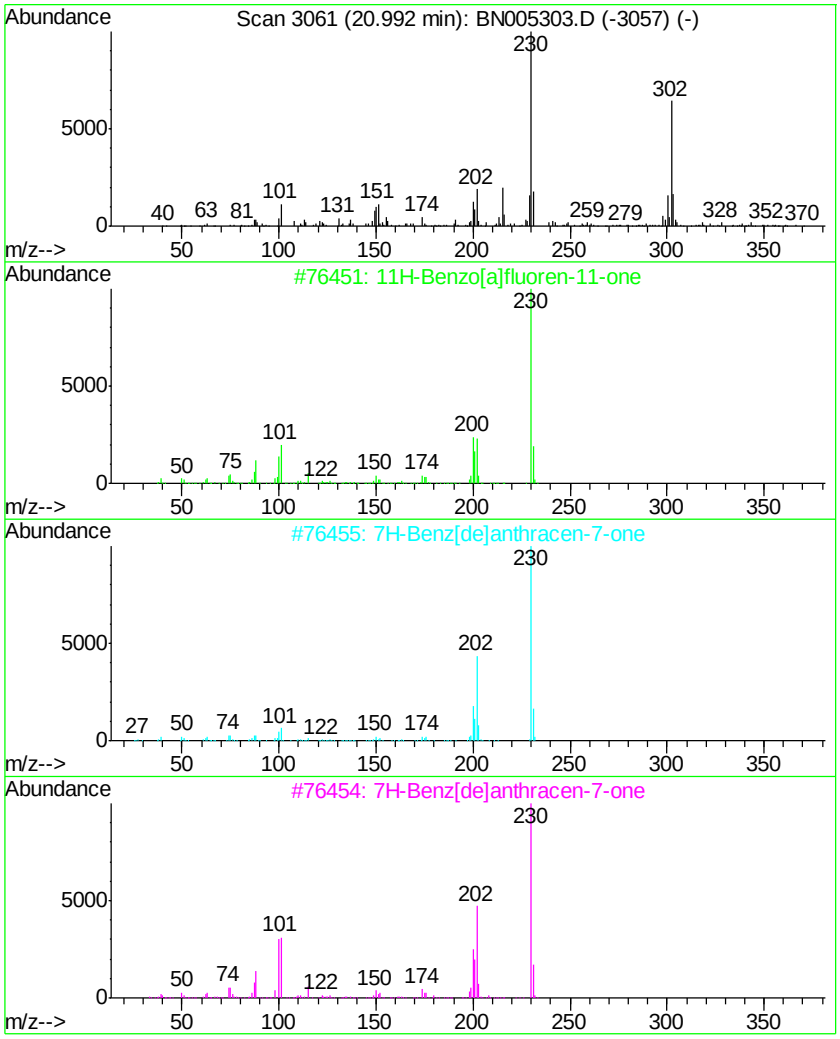
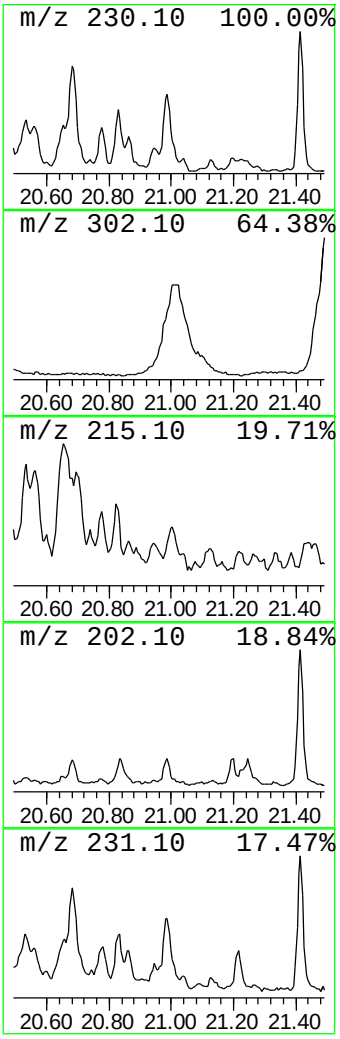
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.13 ng/ul	1231560	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	89
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
5	o-Terphenyl	230	C18H14	000084-15-1	47





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Misc :
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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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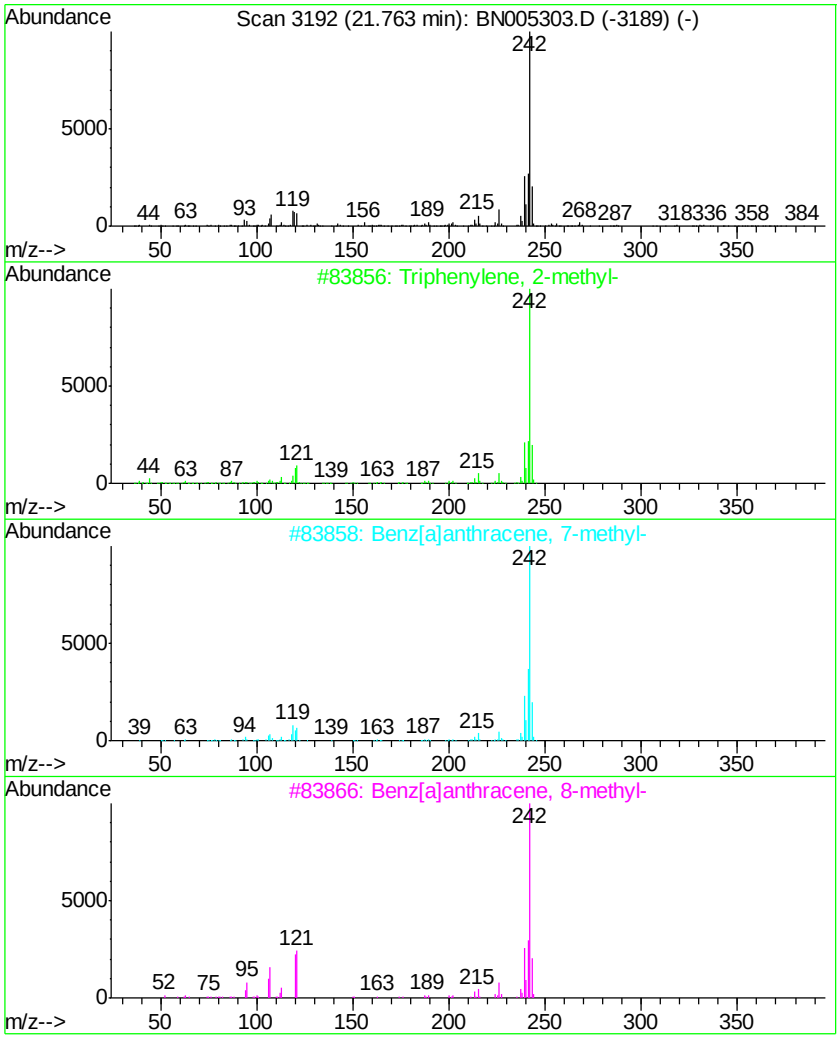
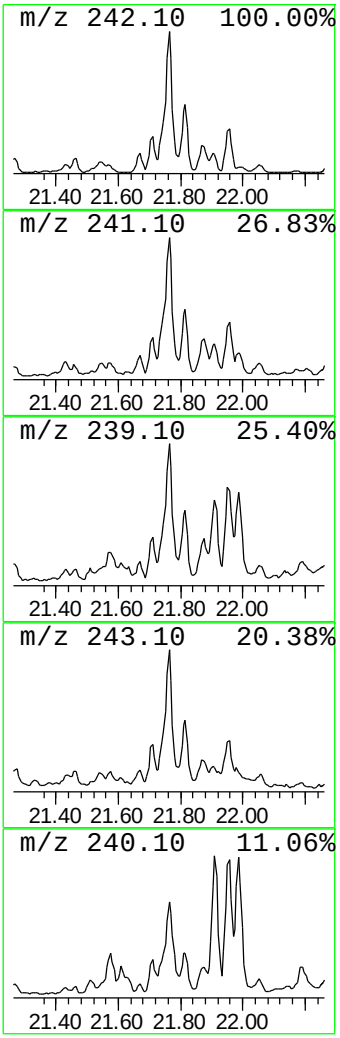
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.96 ng/ul	1710670	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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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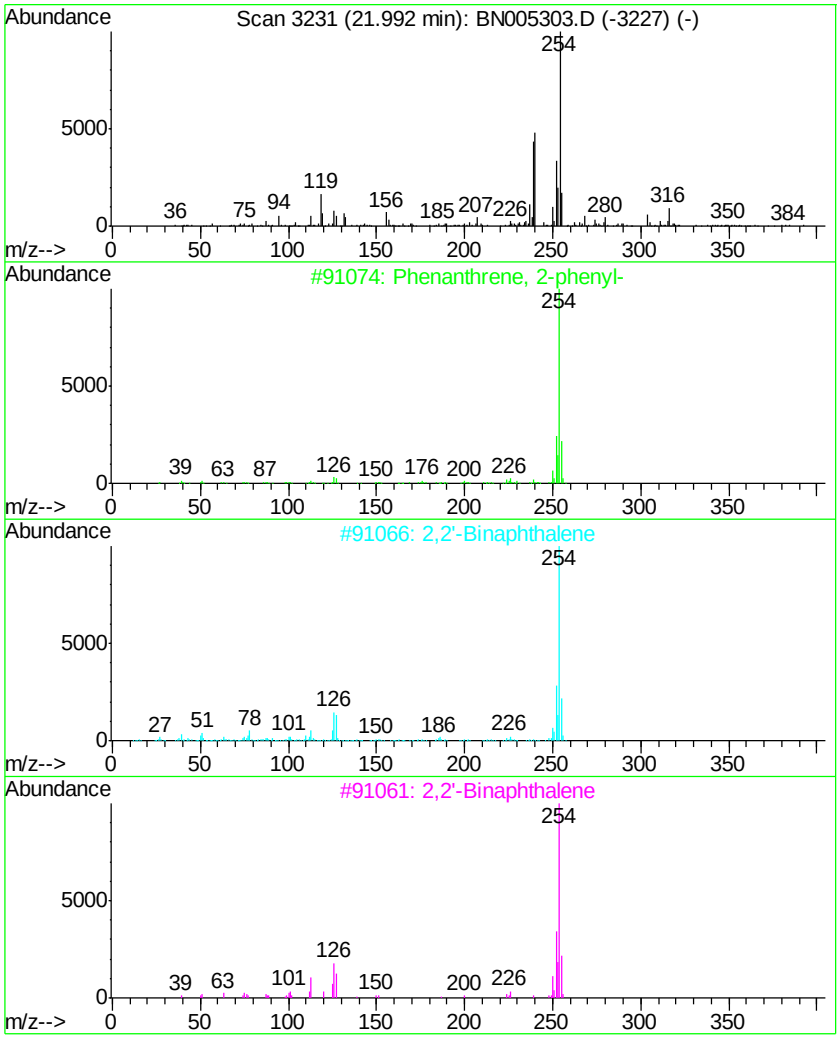
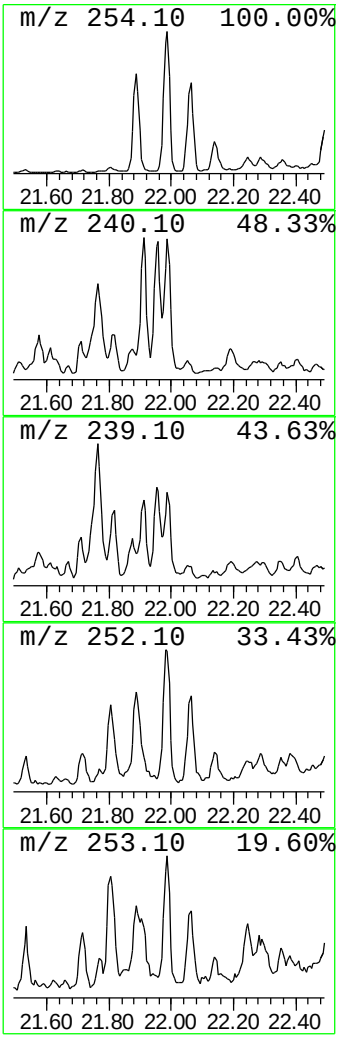
Peak Number 18 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	3.20 ng/ul	1847000	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	45
2	2,2'-Binaphthalene	254	C20H14	000612-78-2	43
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	43
4	trans-4-(Methylthio)chalcone	254	C16H14OS	079134-84-2	38
5	Acenaphtho(1,2-b)quinoxaline	254	C18H10N2	000207-11-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005303.D
Acq On : 26 Apr 2019 04:45
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHQ0

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
Benzene, 1-etheny...	7.26	2.3	ng/ul	356446	1	7.59	3058880	20.0
Naphthalene, 2-et...	13.68	5.4	ng/ul	1633690	3	14.23	6037800	20.0
Naphthalene, 2-(1...	14.83	3.2	ng/ul	965454	3	14.23	6037800	20.0
1H-Phenalene	15.10	2.1	ng/ul	626436	3	14.23	6037800	20.0
Phenanthrene, 2-m...	17.90	2.9	ng/ul	1044590	4	16.98	7186120	20.0
Phenanthrene, 1-m...	18.05	3.9	ng/ul	1408750	4	16.98	7186120	20.0
9,10-Dimethylanth...	18.79	3.7	ng/ul	1313850	4	16.98	7186120	20.0
Acephenanthrylene...	18.85	2.6	ng/ul	925301	4	16.98	7186120	20.0
Cyclopenta(def)ph...	18.93	3.5	ng/ul	1264130	4	16.98	7186120	20.0
Pyrene, 1-methyl-	19.76	3.2	ng/ul	1835050	5	21.21	11539200	20.0
Fluoranthene, 2-m...	19.90	3.3	ng/ul	1892090	5	21.21	11539200	20.0
Pyrene, 4-methyl-	20.09	2.5	ng/ul	1462460	5	21.21	11539200	20.0
unknown-01	20.23	2.6	ng/ul	1493250	5	21.21	11539200	20.0
11H-Benzo[a]fluorene	20.27	2.3	ng/ul	1343430	5	21.21	11539200	20.0
11H-Benzo[a]fluor...	20.68	2.0	ng/ul	1158670	5	21.21	11539200	20.0
7H-Benz[de]anthra...	20.99	2.1	ng/ul	1231560	5	21.21	11539200	20.0
Triphenylene, 2-m...	21.76	3.0	ng/ul	1710670	5	21.21	11539200	20.0
unknown-02	21.99	3.2	ng/ul	1847000	5	21.21	11539200	20.0