LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005979.D
Acq On : 31 May 2019 13:17
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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-BN052819MA.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	6.918	631	640	656	rVB	1952231	3294353	4.36%	0.437%
2	7.077	661	667	675	rVB	1599048	2440312	3.23%	0.323%
3	7.277	695	701	709	rVB	2067278	3213259	4.26%	0.426%
4	7.742	772	780	787	rBV	2033456	3210596	4.25%	0.426%
5	8.454	894	901	908	rBV	2124502	3461974	4.59%	0.459%
6	8.901	970	977	984	rBV	1732565	2802087	3.71%	0.371%
7	9.624	1091	1100	1112	rBV	1252637	2150518	2.85%	0.285%
8	10.159	1182	1191	1201	rVB	2097457	3469414	4.60%	0.460%
9	10.536	1246	1255	1260	rBV	2344168	4126516	5.47%	0.547%
10	10.589	1260	1264	1272	rVV	2190357	3494116	4.63%	0.463%
11	10.677	1272	1279	1299	rVB	736695	1609767	2.13%	0.213%
12	12.206	1533	1539	1546	rVB	1089535	1720505	2.28%	0.228%
13	12.430	1569	1577	1585	rVB	879385	1374411	1.82%	0.182%
14	13.230	1707	1713	1720	rVB	448935	703701	0.93%	0.093%
15	13.642	1778	1783	1791	rBV	783678	1299503	1.72%	0.172%
16	13.718	1791	1796	1802	rBV	668733	1180843	1.56%	0.157%
17	13.812	1808	1812	1816	rVV	2972657	3822644	5.06%	0.507%
18	13.859	1816	1820	1829	rVB	1193551	1602793	2.12%	0.212%
19	14.094	1854	1860	1876	rBV2	3462845	6396285	8.47%	0.848%
20	14.406	1903	1913	1918	rBV3	2699130	4683112	6.20%	0.621%
21	14.471	1918	1924	1931	rVB	4504630	6712059	8.89%	0.890%
22	14.541	1931	1936	1941	rVB2	391682	655530	0.87%	0.087%
23	14.618	1942	1949	1952	rBV	1219463	1964360	2.60%	0.260%
24	14.665	1952	1957	1964	rBV	6601873	10222334	13.54%	1.355%
25	14.806	1976	1981	1989	rVB	2892061	4324249	5.73%	0.573%
26	15.406	2074	2083	2087	rVV	4016780	7130487	9.45%	0.945%
27	15.459	2087	2092	2102	rVB	5737192	8357346	11.07%	1.108%
28	15.553	2103	2108	2110	rVV2	565602	847983	1.12%	0.112%
29	15.583	2110	2113	2116	rVV	702360	975661	1.29%	0.129%
30	15.624	2116	2120	2124	rVV	869277	1375101	1.82%	0.182%
31	15.706	2131	2134	2138	rVV2	528063	838849	1.11%	0.111%
32	15.753	2138	2142	2152	rVB	1197422	1823788	2.42%	0.242%
33	15.900	2162	2167	2175	rVB	1250131	2461046	3.26%	0.326%
34	16.136	2201	2207	2213	rVB3	736862	1329157	1.76%	0.176%

LSC Area Percent Report

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Sample : K2928-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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-BN052819MA.M
Title : SVOA CALIBRATION

35	16.465	2252	2263	2268	rBV4	1290527	3067378	4.06%	0.407%
36	16.518	2268	2272	2277	rVV2	680777	999781	1.32%	0.133%
37	16.618	2286	2289	2293	rVB	568797	743169	0.98%	0.099%
38	16.735	2306	2309	2313	rVB2	623925	771755	1.02%	0.102%
39	16.818	2319	2323	2330	rVB	1875045	2906107	3.85%	0.385%
40	16.894	2331	2336	2343	rBV3	772559	2009965	2.66%	0.266%
41	16.983	2346	2351	2361	rVB	3339306	4975518	6.59%	0.660%
42	17.165	2377	2382	2385	rVV	2609653	4368877	5.79%	0.579%
43	17.224	2385	2392	2396	rVV2	29875446	55920775	74.08%	7.413%
44	17.271	2396	2400	2402	rVV2	4737610	6894714	9.13%	0.914%
45	17.306	2402	2406	2411	rVV	13273630	19618473	25.99%	2.601%
46	17.359	2411	2415	2420	rVB	1926895	2860728	3.79%	0.379%
47	17.441	2425	2429	2432	rBV2	442557	681812	0.90%	0.090%
48	17.571	2441	2451	2463	rBV2	6861320	13043808	17.28%	1.729%
49	17.683	2464	2470	2474	rVV2	1125497	1960532	2.60%	0.260%
50	17.747	2475	2481	2489	rVB5	1103309	2536548	3.36%	0.336%
51	17.888	2501	2505	2514	rVB	583297	1044661	1.38%	0.138%
52	18.041	2522	2531	2536	rBV	5890827	11013778	14.59%	1.460%
53	18.094	2536	2540	2546	rVV	8546934	12606457	16.70%	1.671%
54	18.177	2549	2554	2559	rVB	3495514	5075837	6.72%	0.673%
55	18.247	2559	2566	2569	rBV3	10277285	18383974	24.35%	2.437%
56	18.277	2569	2571	2577	rVB	4025187	5147823	6.82%	0.682%
57	18.353	2580	2584	2587	rVV2	773089	1101405	1.46%	0.146%
58	18.394	2587	2591	2595	rVB2	973175	1241064	1.64%	0.165%
59	18.441	2595	2599	2603	rBV4	535224	947660	1.26%	0.126%
60	18.488	2604	2607	2612	rVV3	552354	1042726	1.38%	0.138%
61	18.547	2613	2617	2621	rVV	4760809	6500918	8.61%	0.862%
62	18.600	2621	2626	2634	rVV	4596313	6489438	8.60%	0.860%
63	18.794	2656	2659	2664	rVB3	1208237	1619252	2.15%	0.215%
64	18.847	2665	2668	2671	rVV	1300812	1474569	1.95%	0.195%
65	18.888	2671	2675	2678	rVB2	1112748	1363834	1.81%	0.181%
66	18.971	2684	2689	2696	rBV2	2455196	5546119	7.35%	0.735%
67	19.041	2698	2701	2703	rVB2	920969	1152719	1.53%	0.153%
68	19.124	2710	2715	2723	rVB3	2338112	4697832	6.22%	0.623%
69	19.259	2729	2738	2743	rBV2	29839323	63830518	84.56%	8.461%
70	19.306	2743	2746	2749	rVV	836162	1069405	1.42%	0.142%
71	19.341	2749	2752	2757	rVV	1663975	2426676	3.21%	0.322%

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Title : SVOA CALIBRATION

72	19.488	2774	2777	2781	rVB	1528589	1986889	2.63%	0.263%
73	19.624	2788	2800	2805	rBV5	27499615	75484793	100.00%	10.006%
74	19.677	2805	2809	2816	rVB2	3089191	4713824	6.24%	0.625%
75	19.788	2824	2828	2834	rVB	3507474	4773490	6.32%	0.633%
76	19.853	2834	2839	2844	rVB	3854628	5532262	7.33%	0.733%
77	19.947	2847	2855	2859	rBV2	3490915	9224262	12.22%	1.223%
78	19.988	2859	2862	2865	rBV	1531442	1770924	2.35%	0.235%
79	20.071	2871	2876	2878	rBV4	3095967	5170387	6.85%	0.685%
80	20.112	2879	2883	2888	rVB	9739865	13762590	18.23%	1.824%
81	20.212	2895	2900	2904	rBV	8871356	12365256	16.38%	1.639%
82	20.271	2904	2910	2913	rVV2	5240784	9558642	12.66%	1.267%
83	20.306	2913	2916	2920	rVB	2110220	2713290	3.59%	0.360%
84	20.347	2920	2923	2928	rBV3	1424124	1930665	2.56%	0.256%
85	20.412	2930	2934	2937	rVV	2678762	3170488	4.20%	0.420%
86	20.459	2938	2942	2946	rVB	2926686	3866029	5.12%	0.512%
87	20.871	3008	3012	3019	rVB	3446523	4764333	6.31%	0.632%
88	21.035	3036	3040	3043	rBV4	4052810	6380717	8.45%	0.846%
89	21.076	3043	3047	3050	rVV	4197312	4819612	6.38%	0.639%
90	21.176	3060	3064	3074	rVB	4263717	7895357	10.46%	1.047%
91	21.400	3094	3102	3106	rBV3	20786185	41993428	55.63%	5.567%
92	21.453	3107	3111	3119	rVB	19929506	30814338	40.82%	4.085%
93	21.565	3126	3130	3135	rBV	5649289	8707355	11.54%	1.154%
94	21.729	3154	3158	3163	rVB2	4321584	6091854	8.07%	0.808%
95	21.971	3197	3199	3203	rVB	3644111	4259431	5.64%	0.565%
96	23.053	3375	3383	3387	rBV	14175425	37280276	49.39%	4.942%
97	23.212	3407	3410	3416	rVB	4106883	6573976	8.71%	0.871%
98	23.541	3460	3466	3471	rBV	8393803	16858709	22.33%	2.235%
99	23.653	3478	3485	3490	rVB	13797800	29269703	38.78%	3.880%
100	23.788	3504	3508	3517	rVB2	5361753	10434752	13.82%	1.383%

Sum of corrected areas: 754378896

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005979.D
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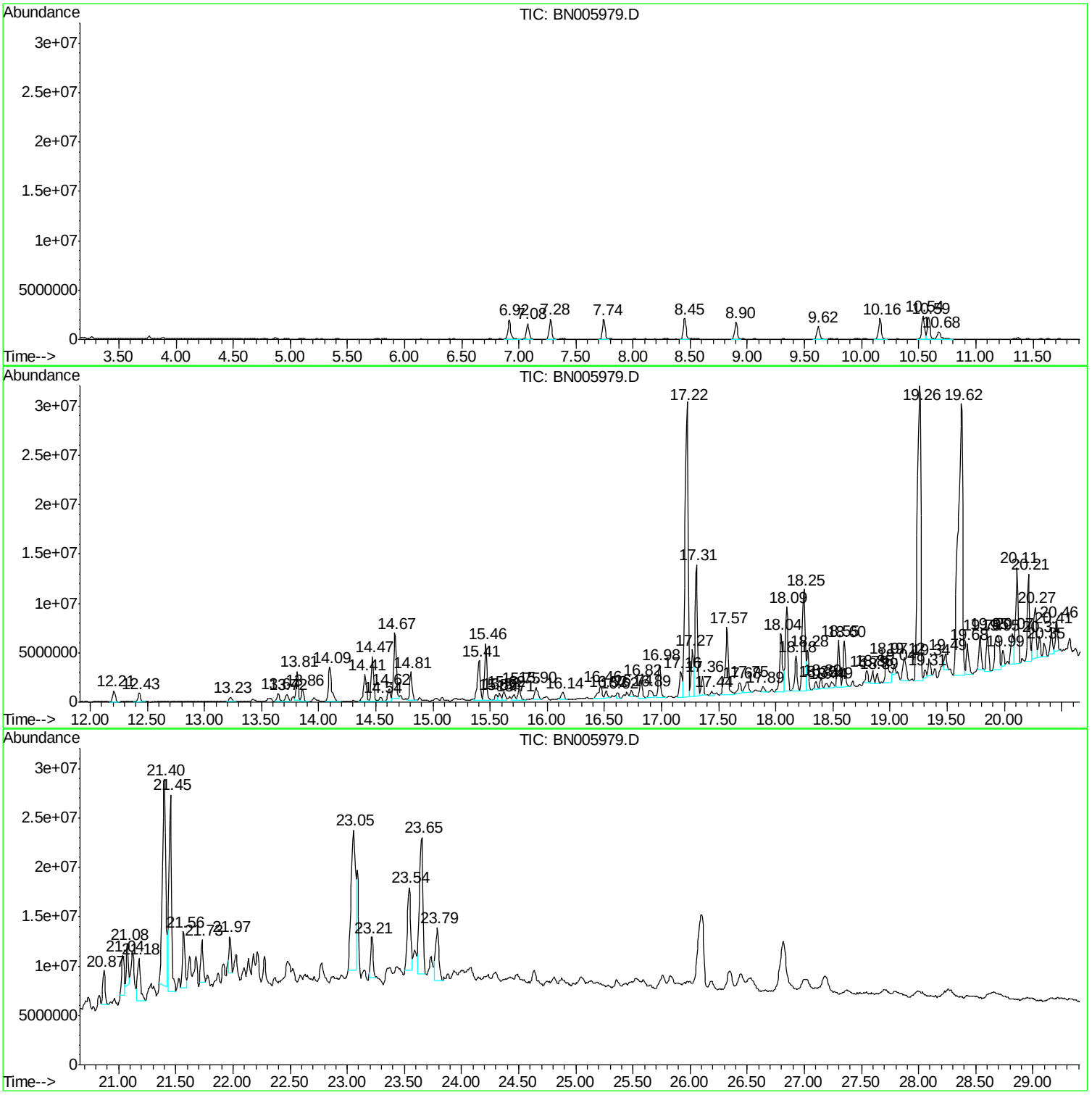
Sample : K2928-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
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Instrument : BNA_N
ClientSampleId : A42B8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

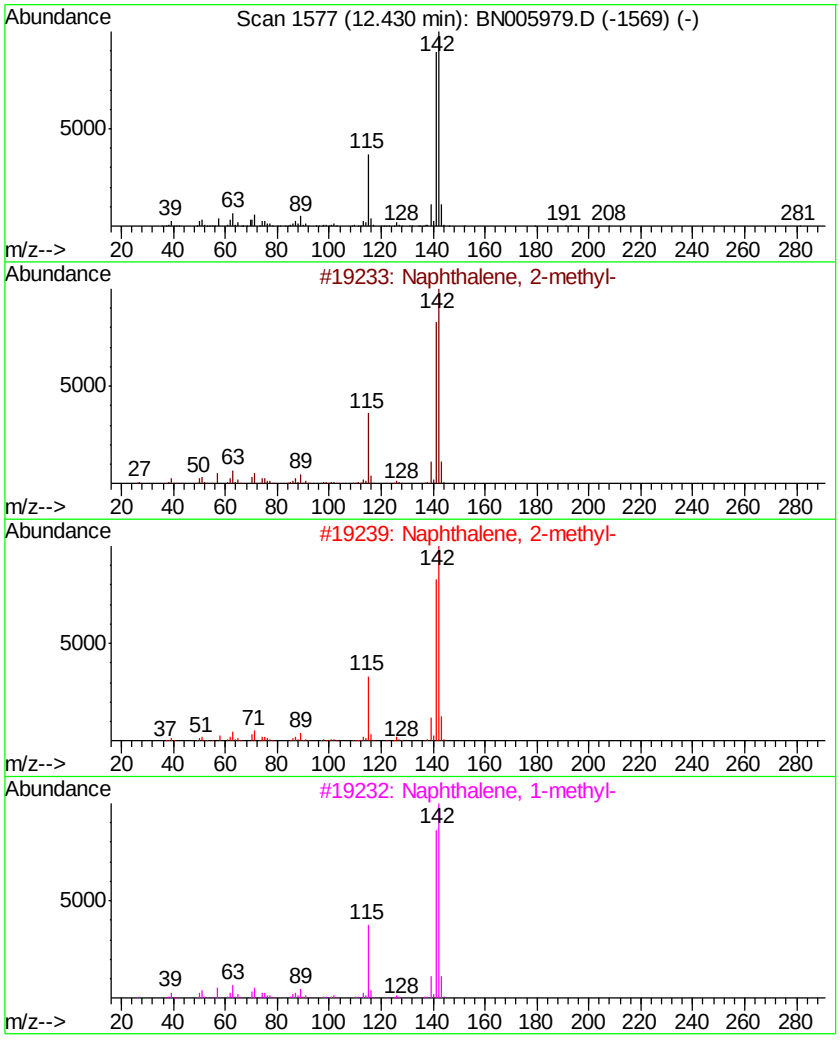
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

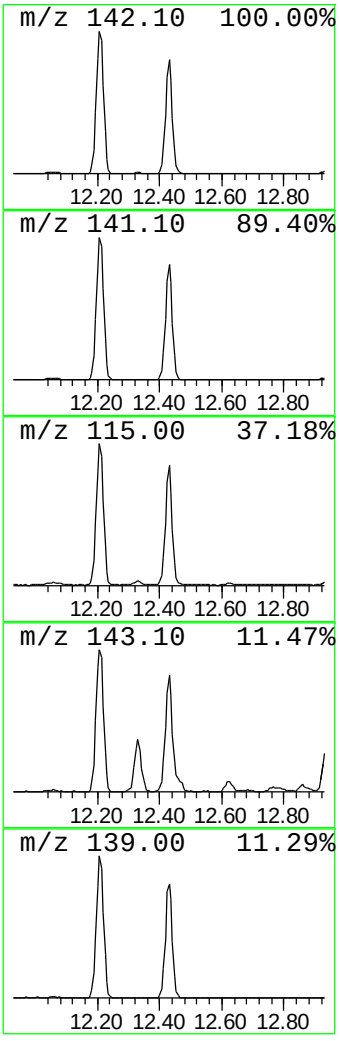
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	6.66 ng/ul	1374410	Naphthalene-d8	10.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005979.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

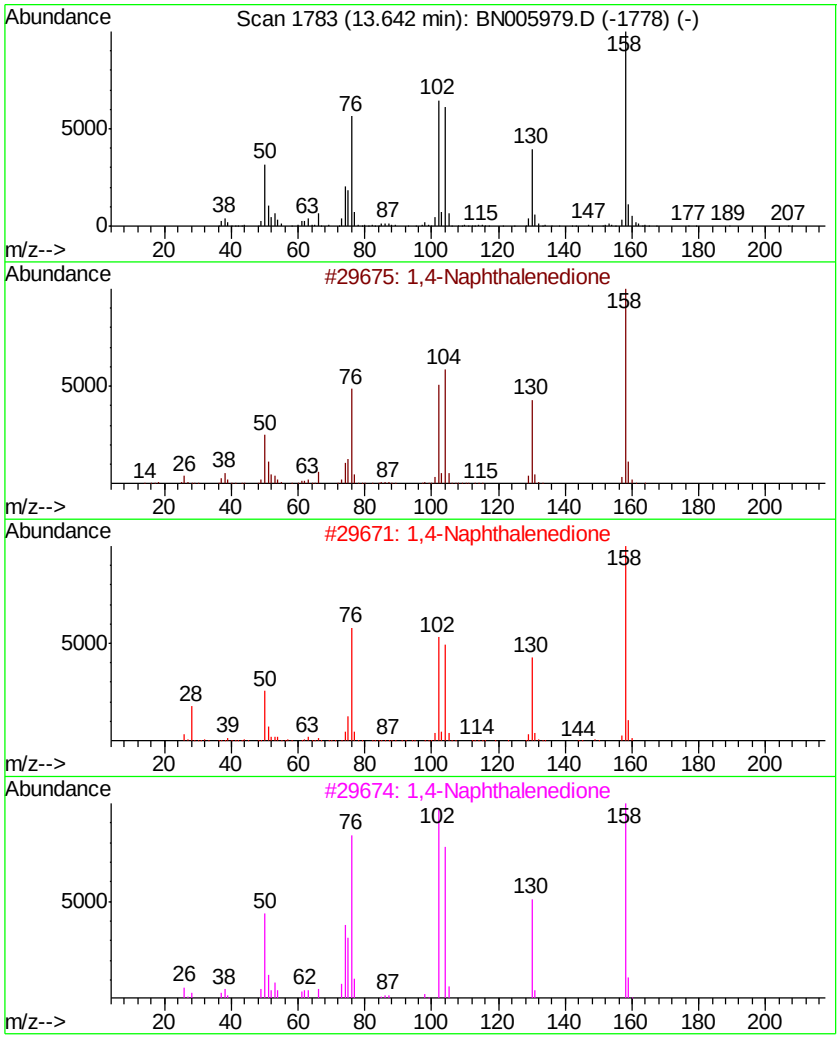
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

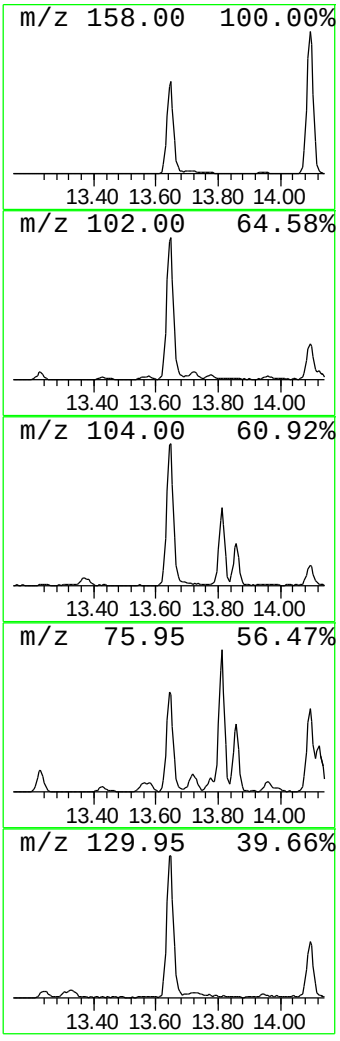
****

Peak Number 2 1,4-Naphthalenedione Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	5.55 ng/ul	1299500	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	96
2	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	96
3	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	95
4	1H-Inden-1-one, 2-diazo-2,3-dihy...	158	C9H6N2O	001775-23-1	50
5	2,3-Naphthalenediamine	158	C10H10N2	000771-97-1	38





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Instrument : BNA_N
ClientSampleId : A42B8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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

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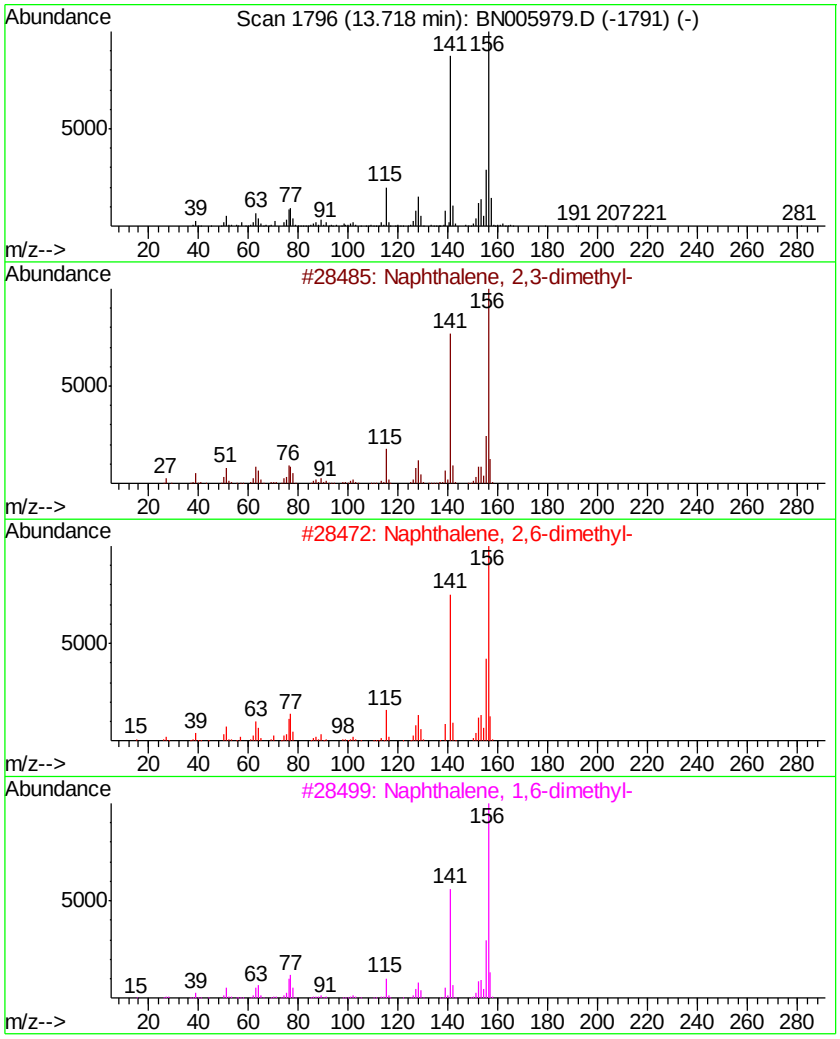
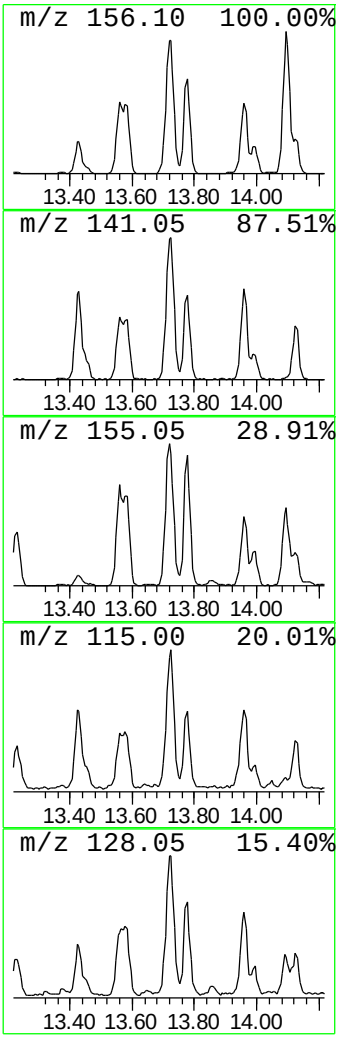
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	5.04 ng/ul	1180840	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	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	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005979.D
Acq On : 31 May 2019 13:17
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Sample : K2928-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

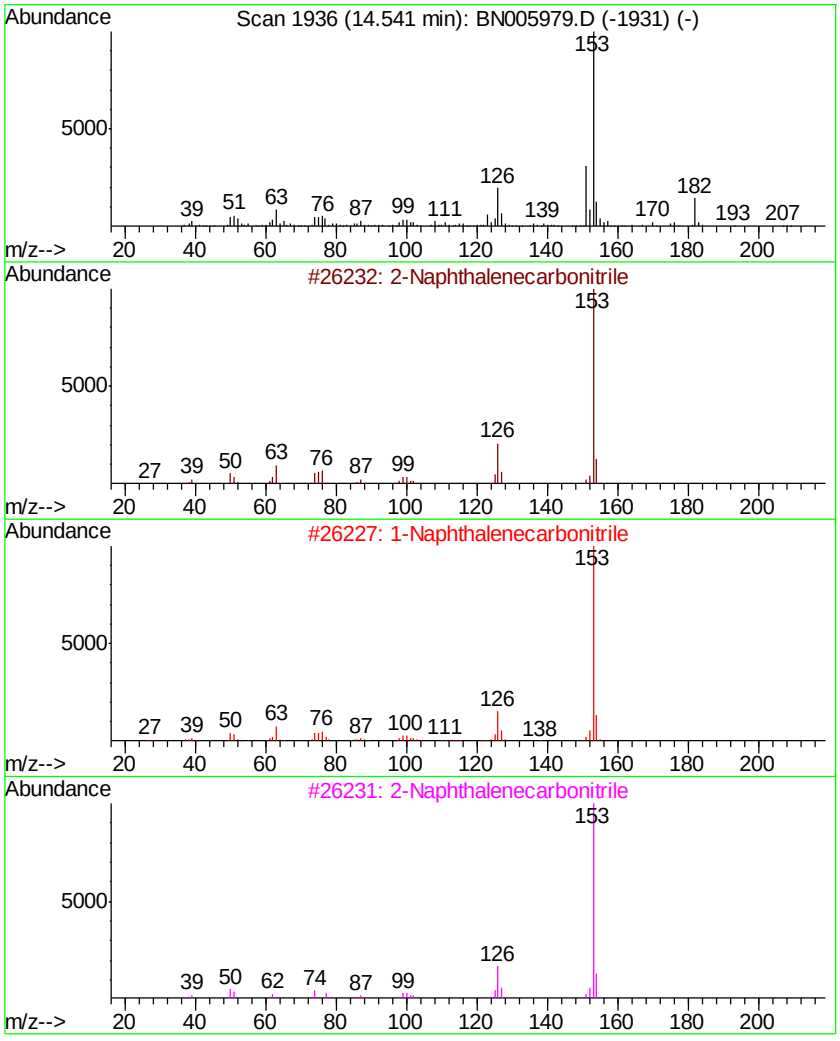
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

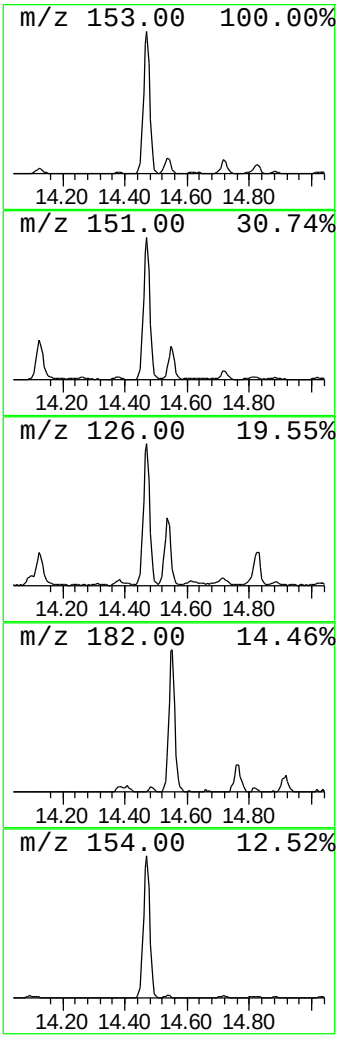
****

Peak Number 4 2-Naphthalenecarbonitrile Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.80 ng/ul	655530	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	93
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	93
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	76
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	76
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	76





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Sample : K2928-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

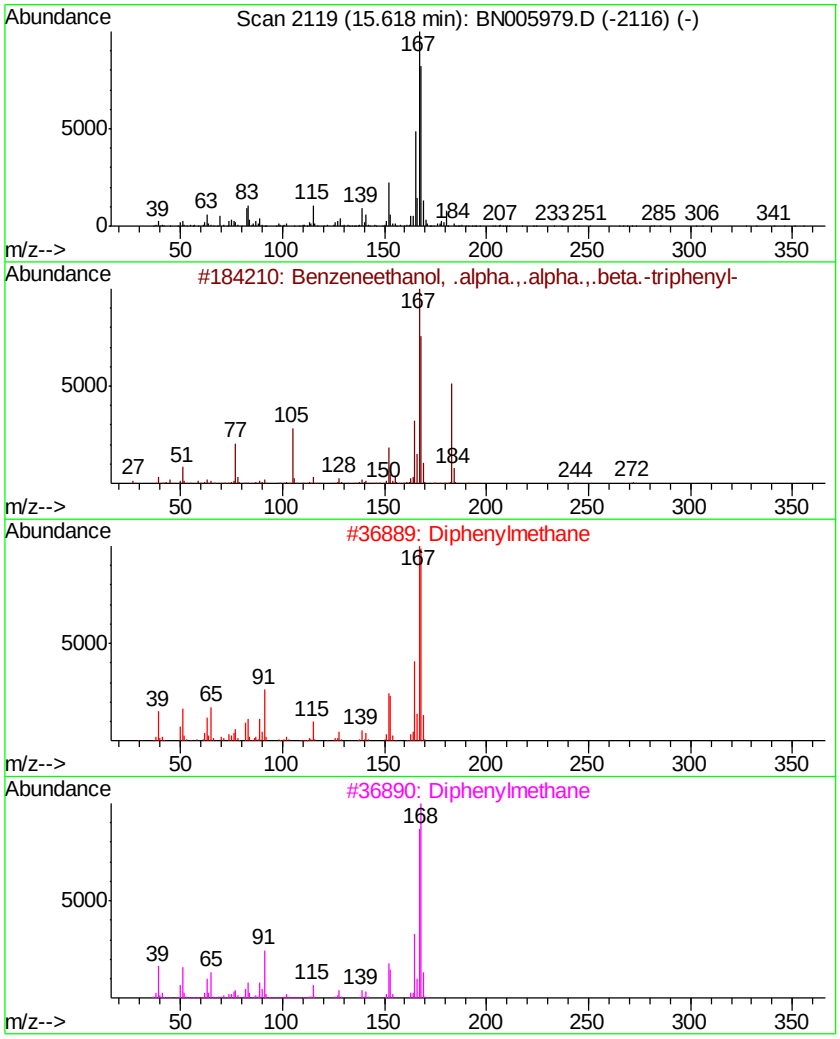
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

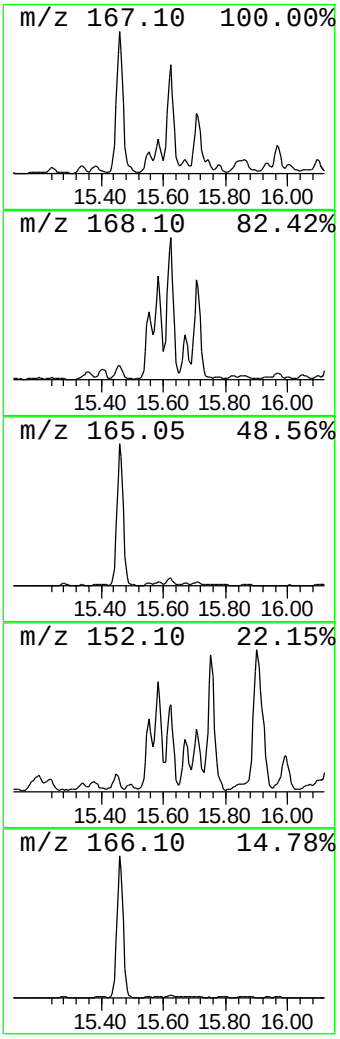
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzeneethanol, .alpha.,.al... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	5.87 ng/ul	1375100	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	90
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	53
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52





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Sample : K2928-03
Misc :
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ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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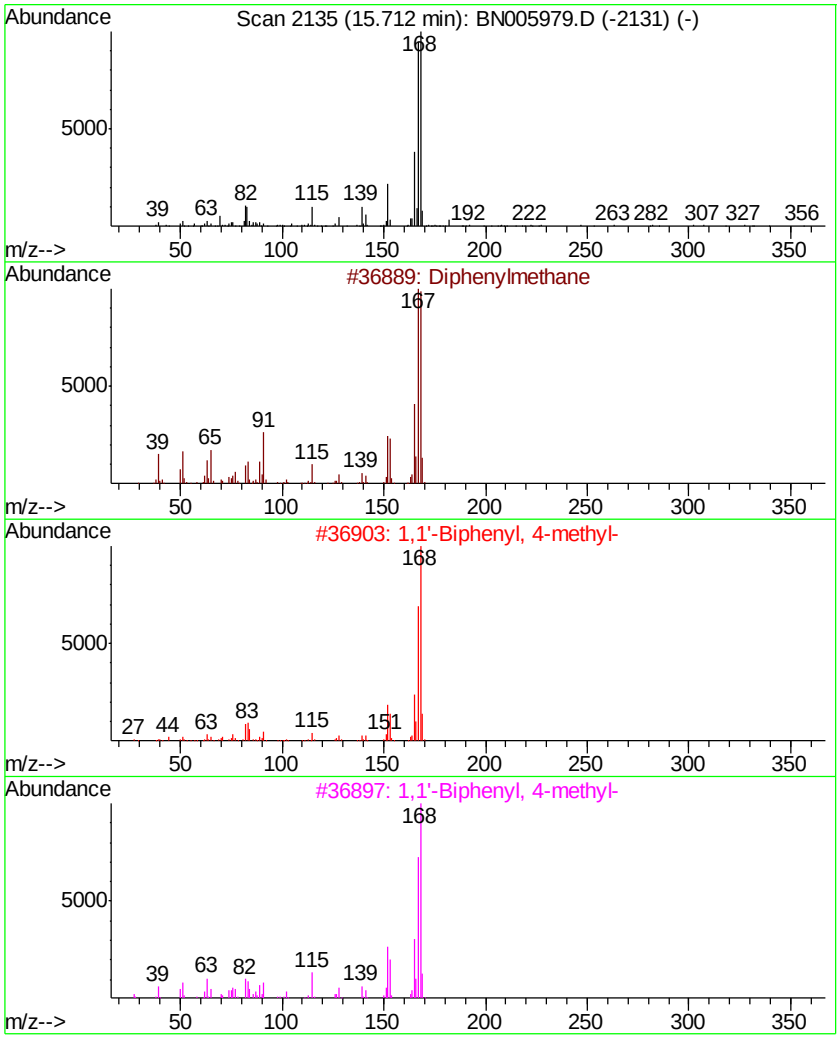
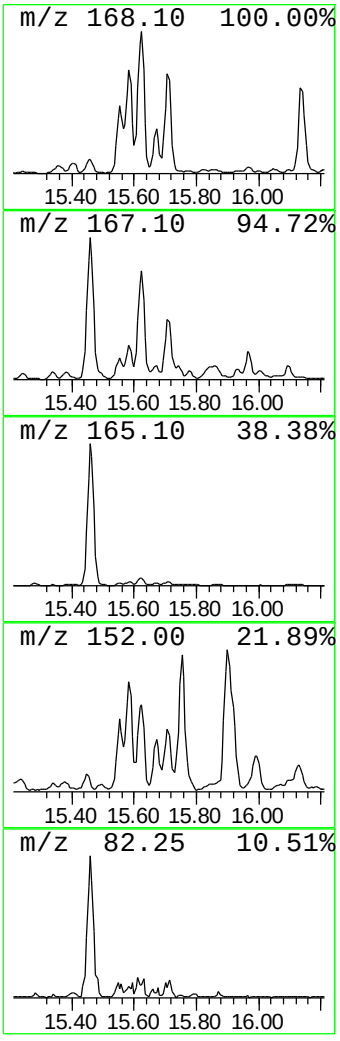
Peak Number 6 Diphenylmethane Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	3.58 ng/ul	838849	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	81
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
5	Diphenylmethane	168	C13H12	000101-81-5	72





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Quant Title : SVOA CALIBRATION

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

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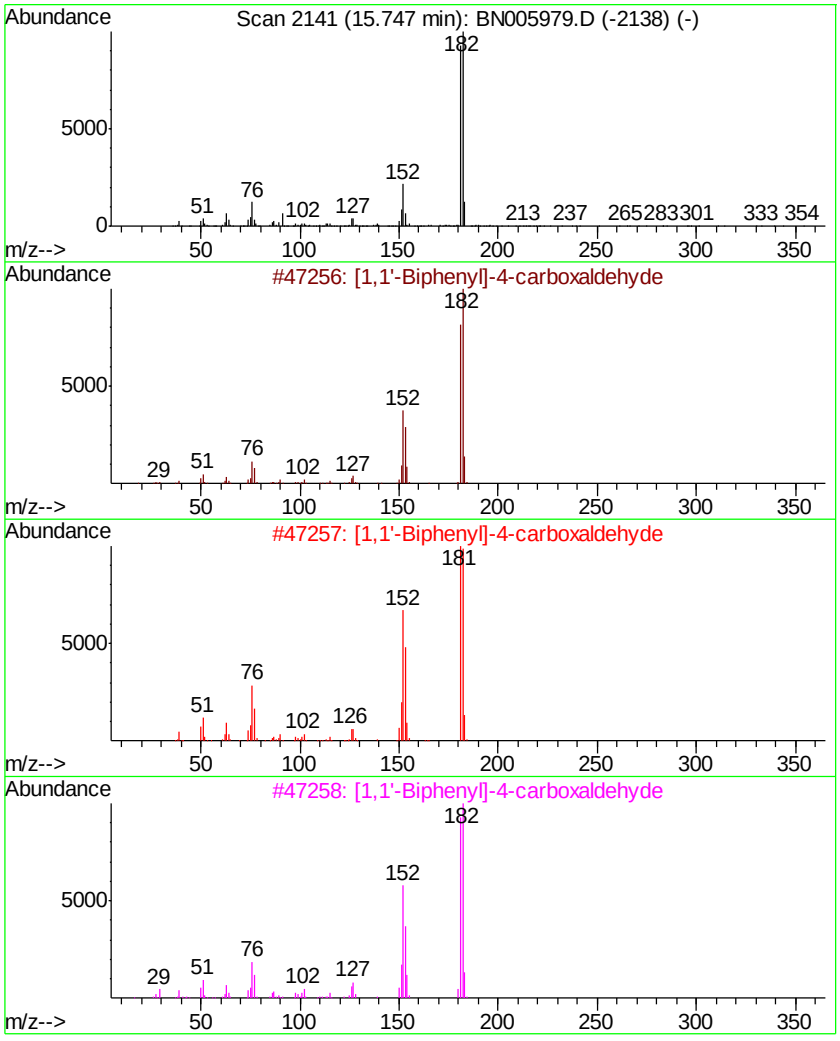
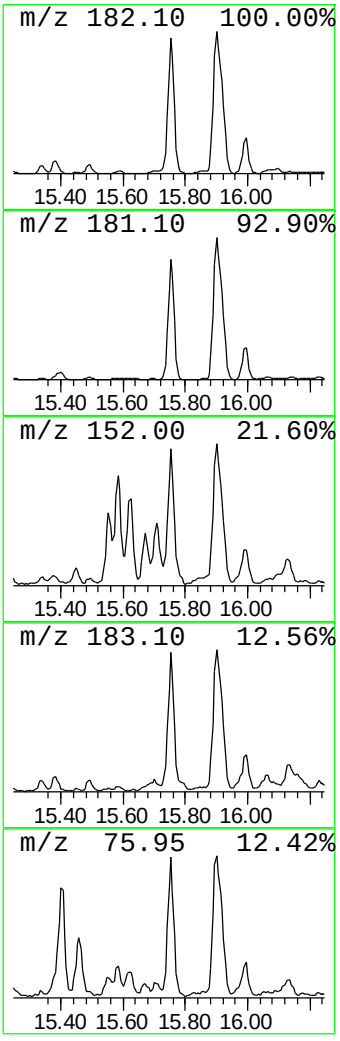
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	7.79 ng/ul	1823790	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Quant Title : SVOA CALIBRATION

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

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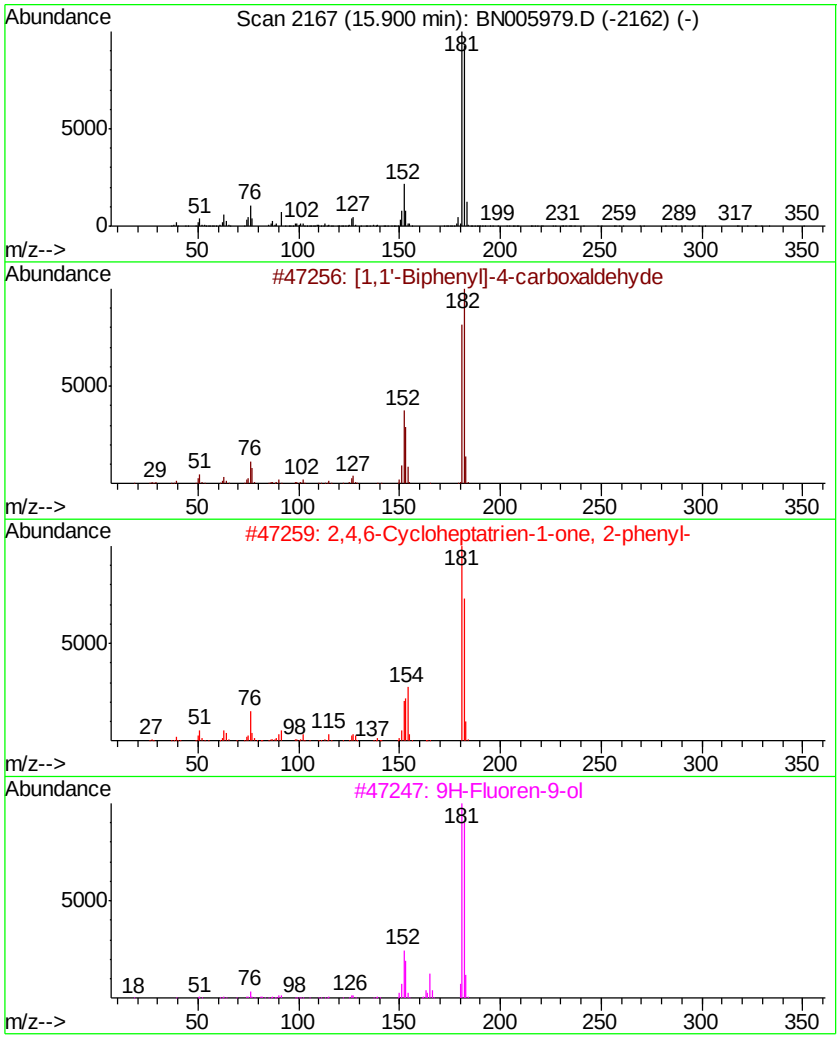
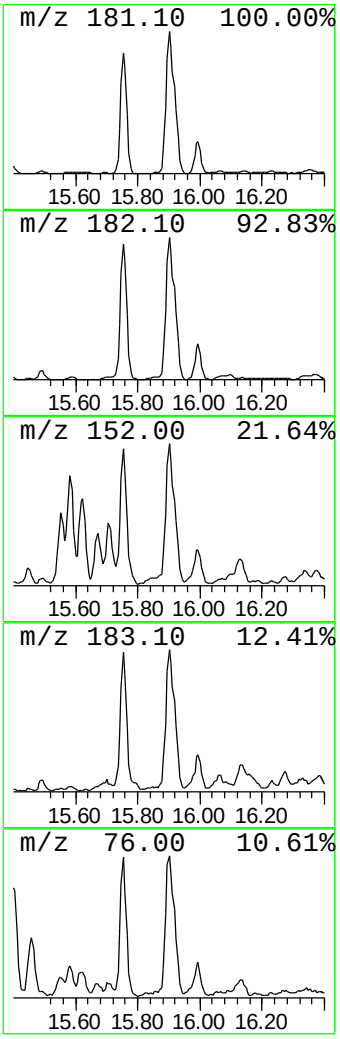
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	11.27 ng/ul	2461050	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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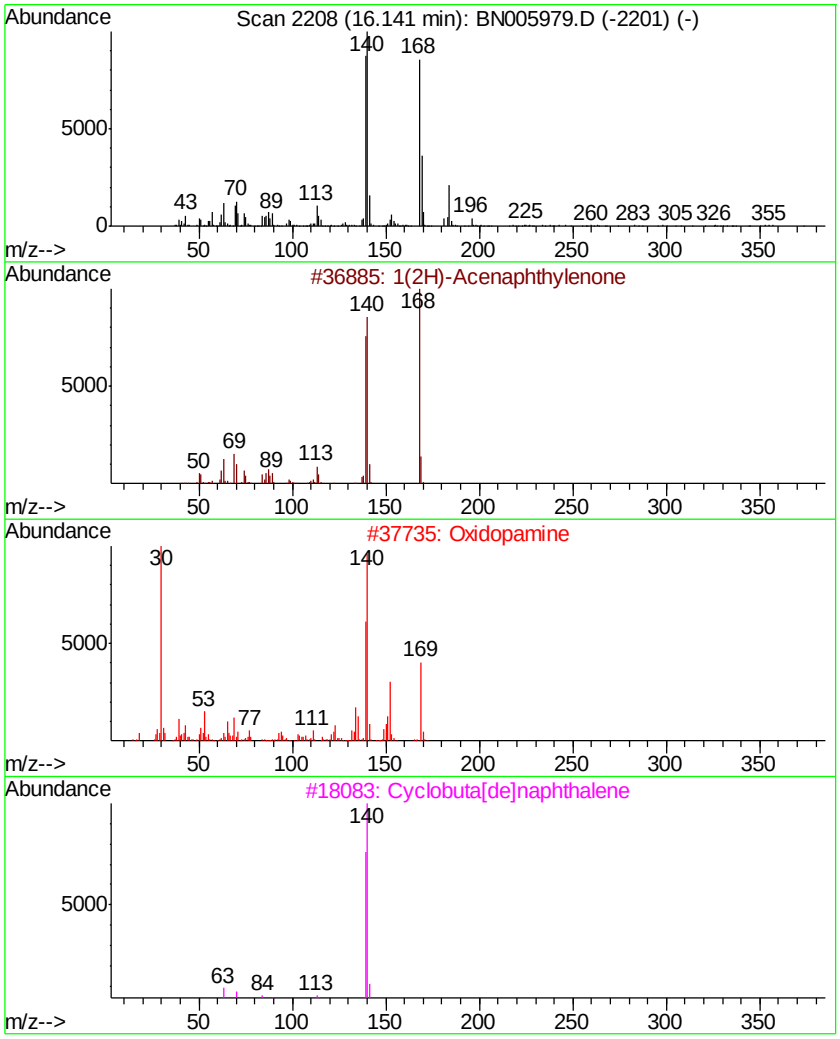
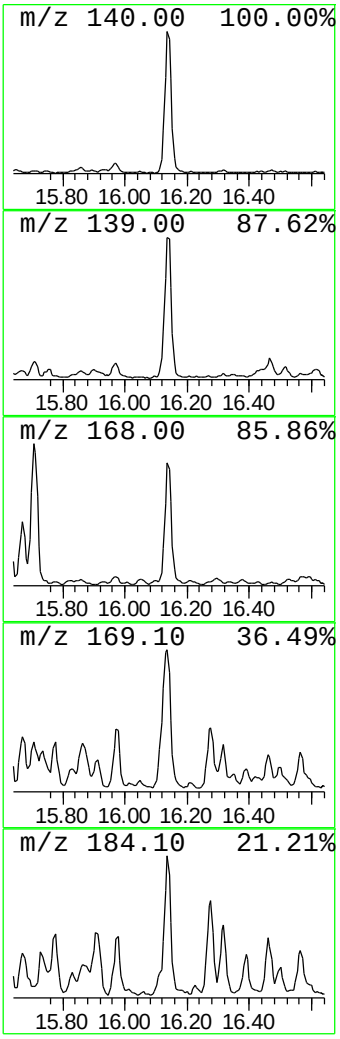
Peak Number 9 1(2H)-Acenaphthylenone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	6.08 ng/ul	1329160	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	64
2	Oxidopamine	169	C8H11NO3	001199-18-4	47
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
4	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	43
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	38





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Quant Title : SVOA CALIBRATION

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

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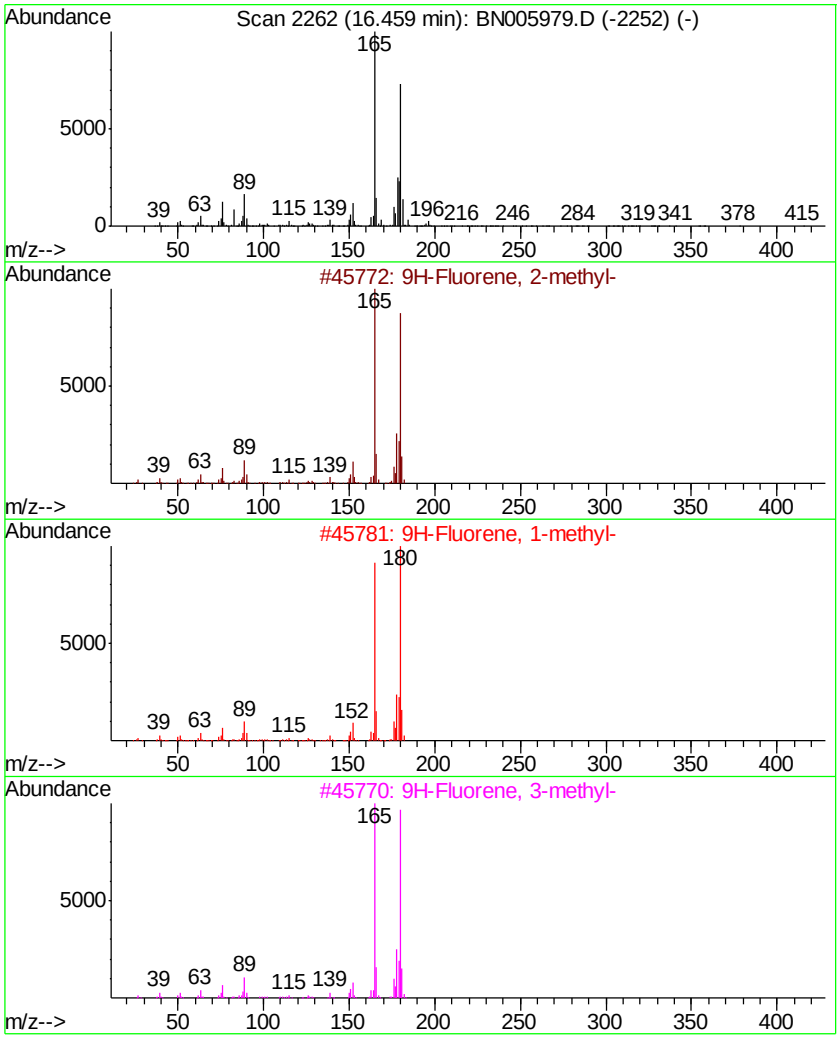
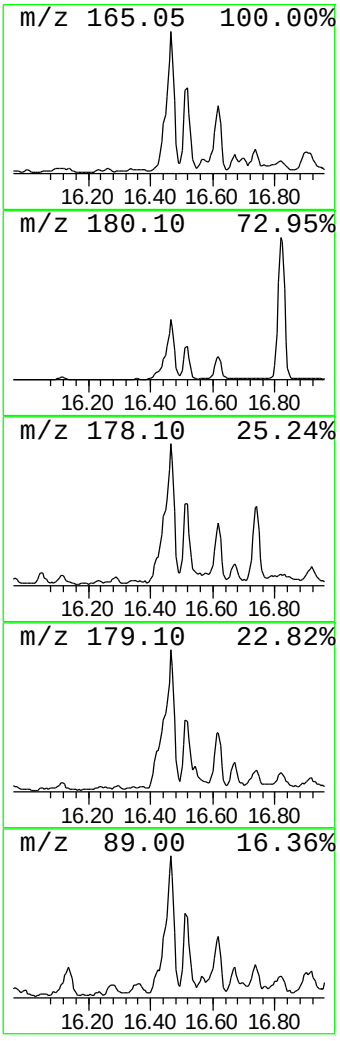
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	14.04 ng/ul	3067380	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91





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ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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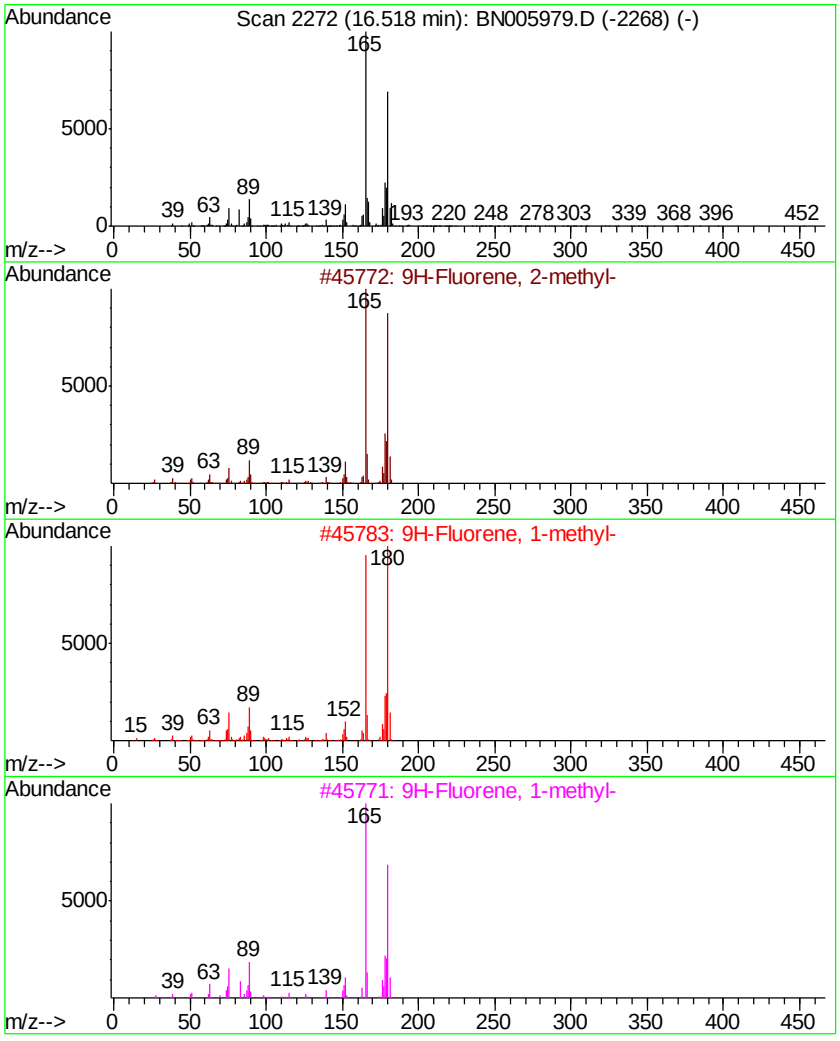
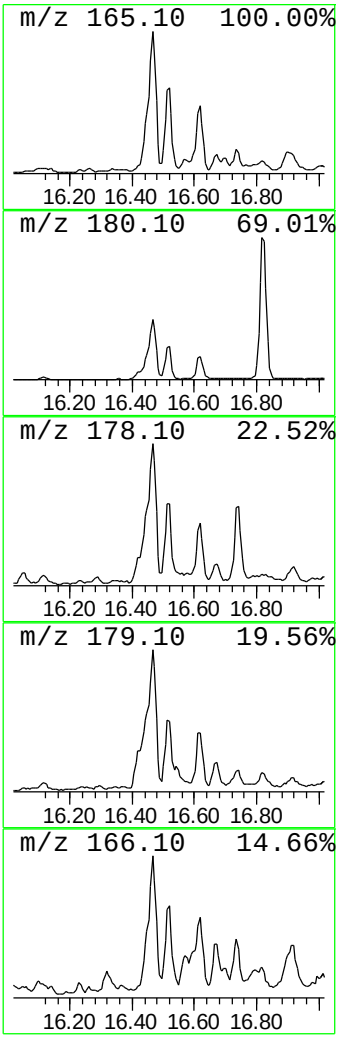
Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	4.58 ng/ul	999781	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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Misc :
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Quant Title : SVOA CALIBRATION

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

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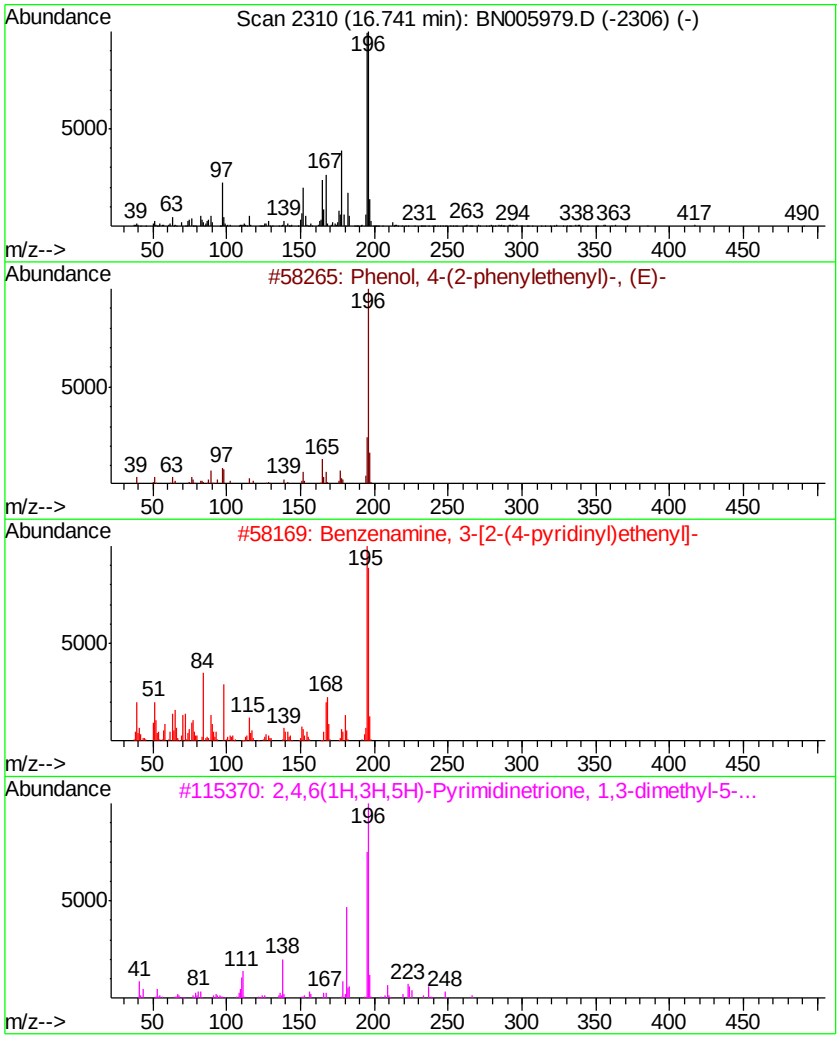
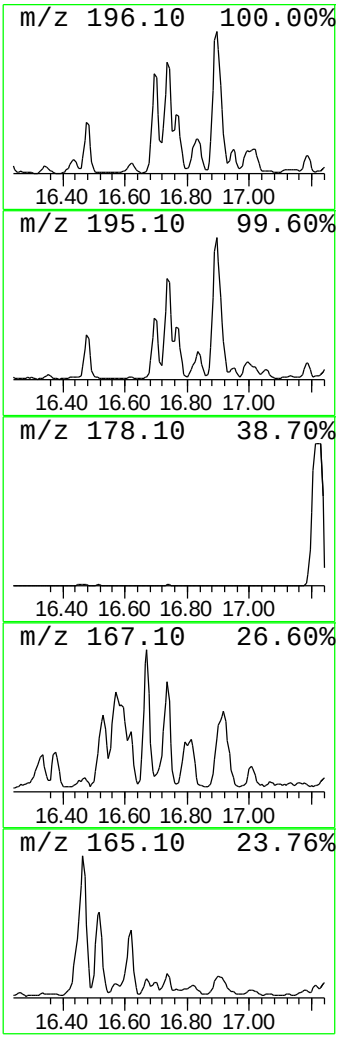
Peak Number 13 Phenol, 4-(2-phenylethenyl)... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	3.53 ng/ul	771755	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
2	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	50
3	2,4,6(1H,3H,5H)-Pyrimidinetrione...	266	C14H22N2O3	028239-49-8	43
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43





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Quant Title : SVOA CALIBRATION

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

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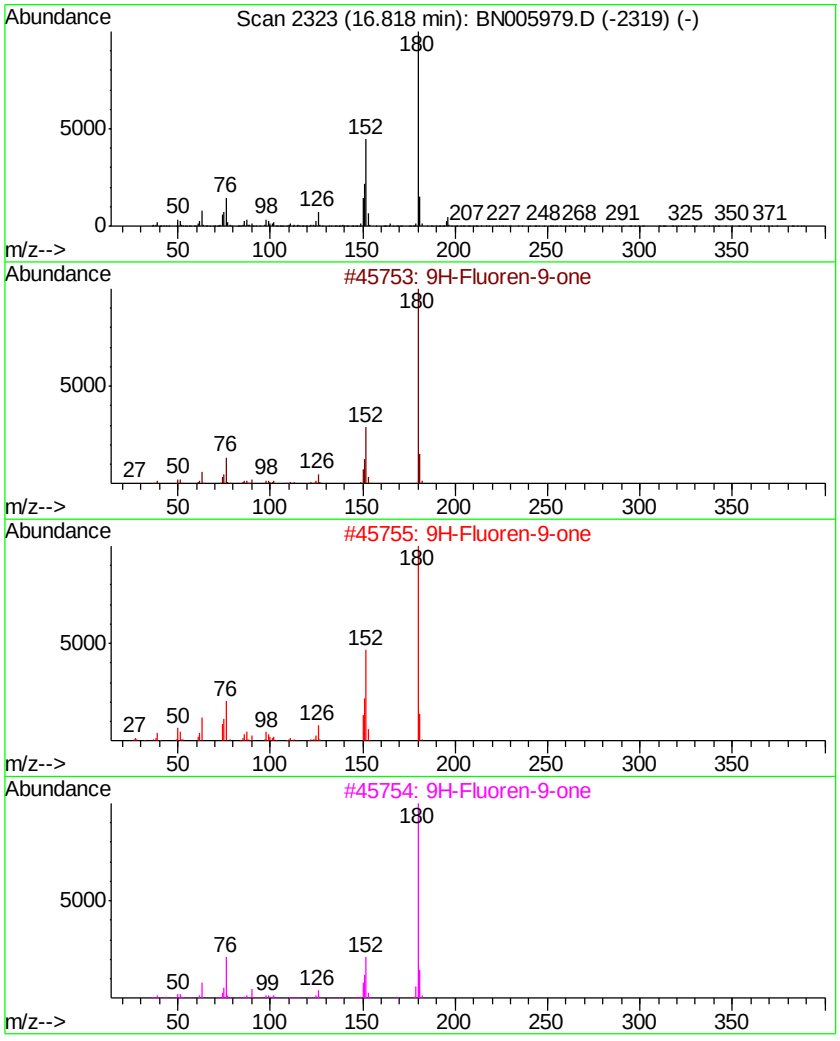
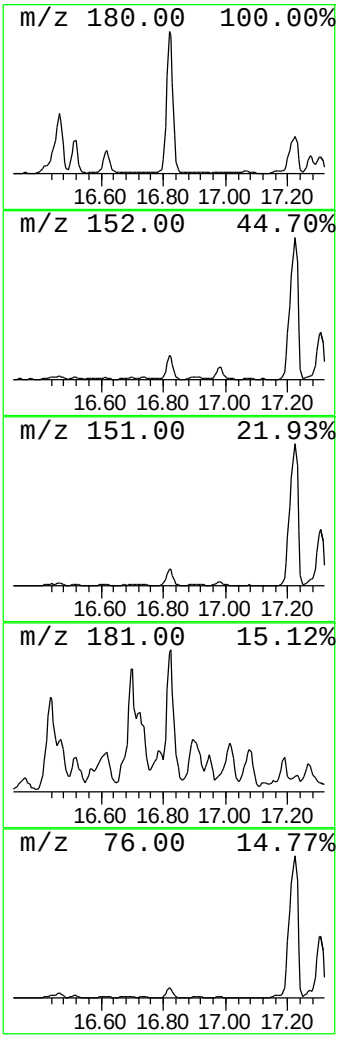
Peak Number 14 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	13.30 ng/ul	2906110	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64





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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 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	9.20 ng/ul	2009970	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	55
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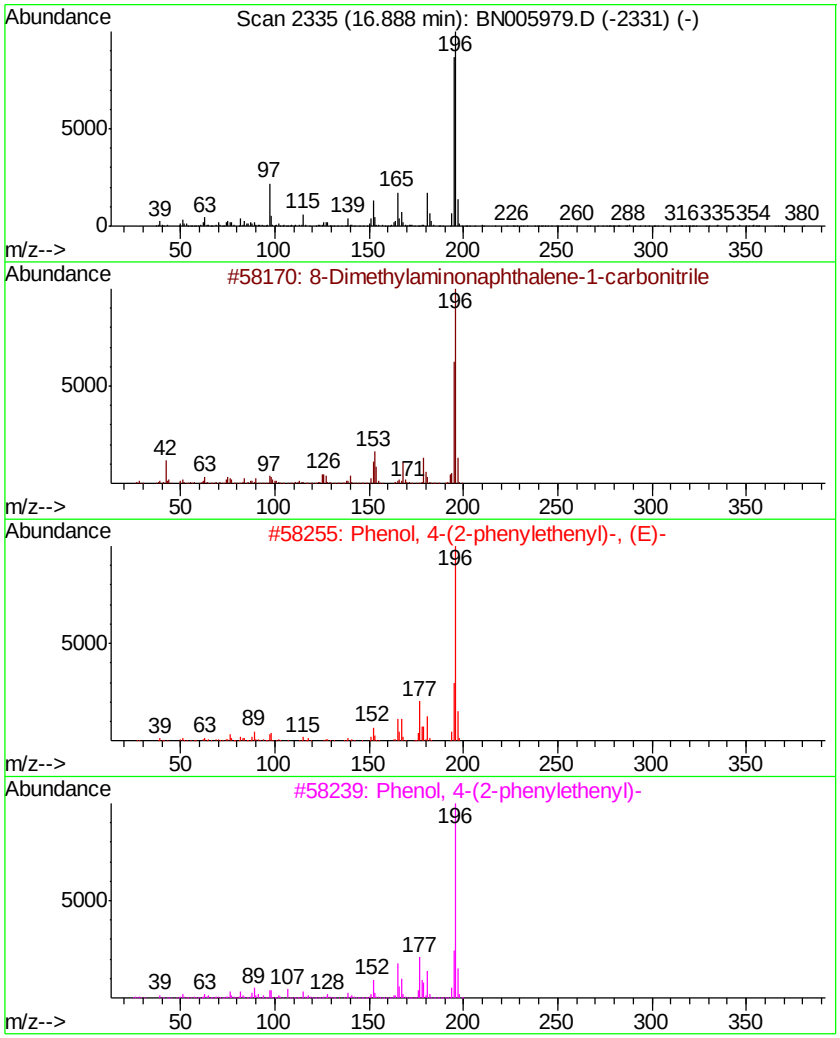

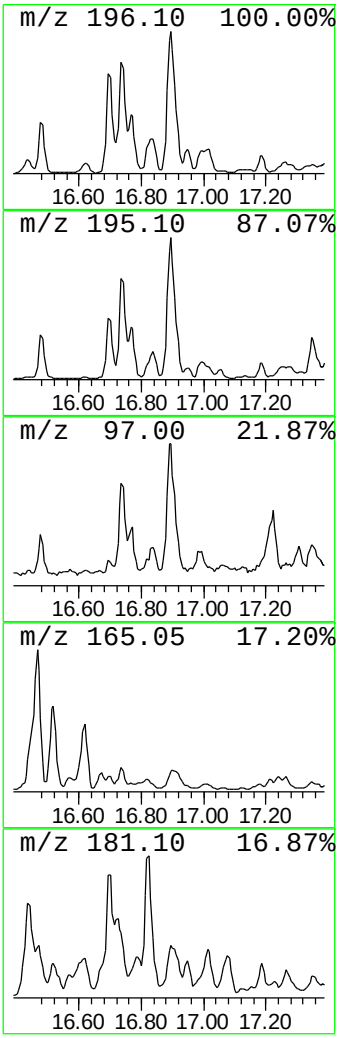

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Quant Title : SVOA CALIBRATION

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

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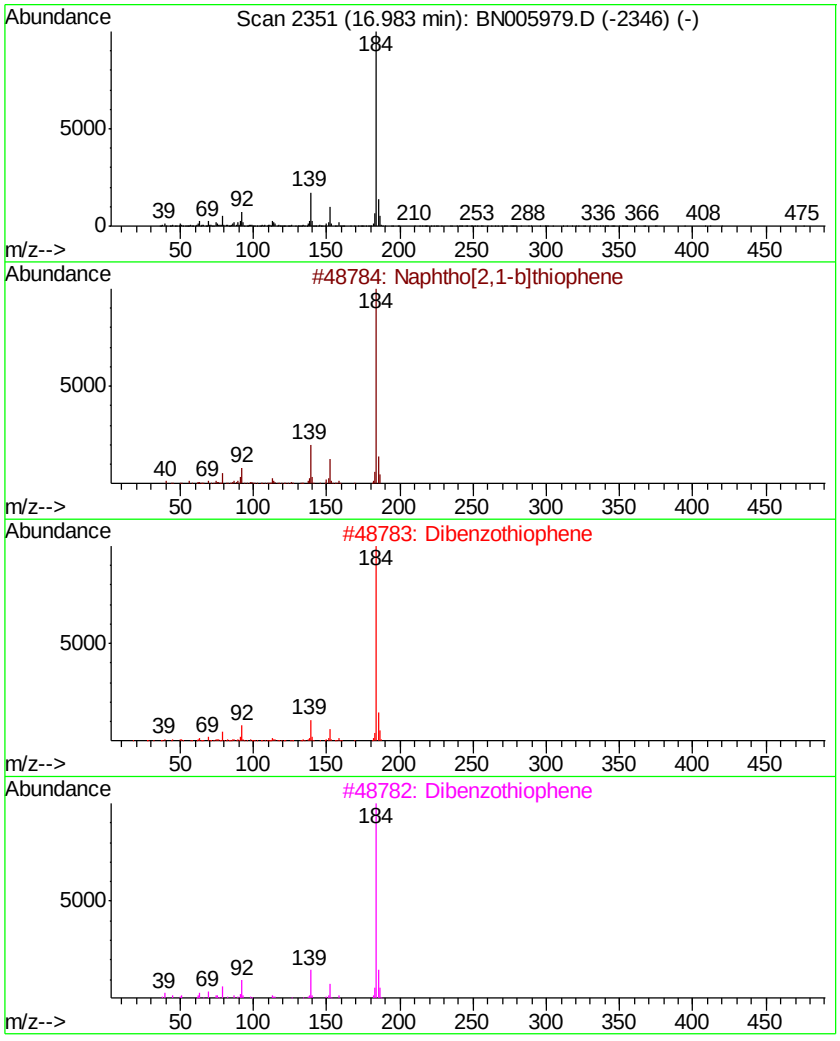
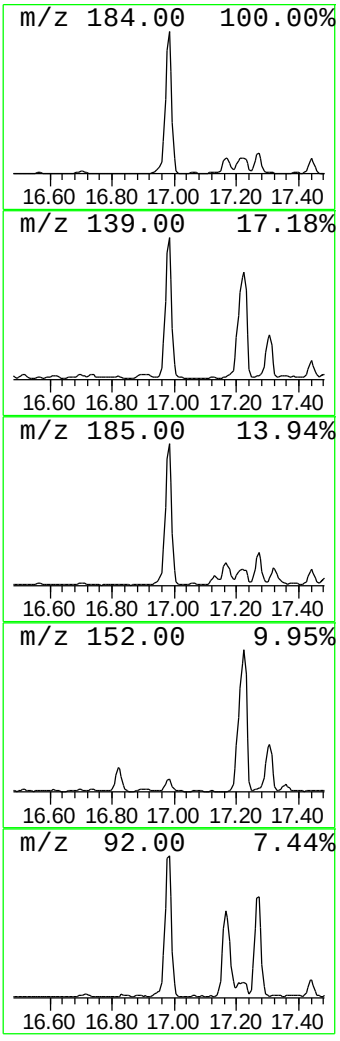
Peak Number 16 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	22.78 ng/ul	4975520	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Quant Title : SVOA CALIBRATION

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

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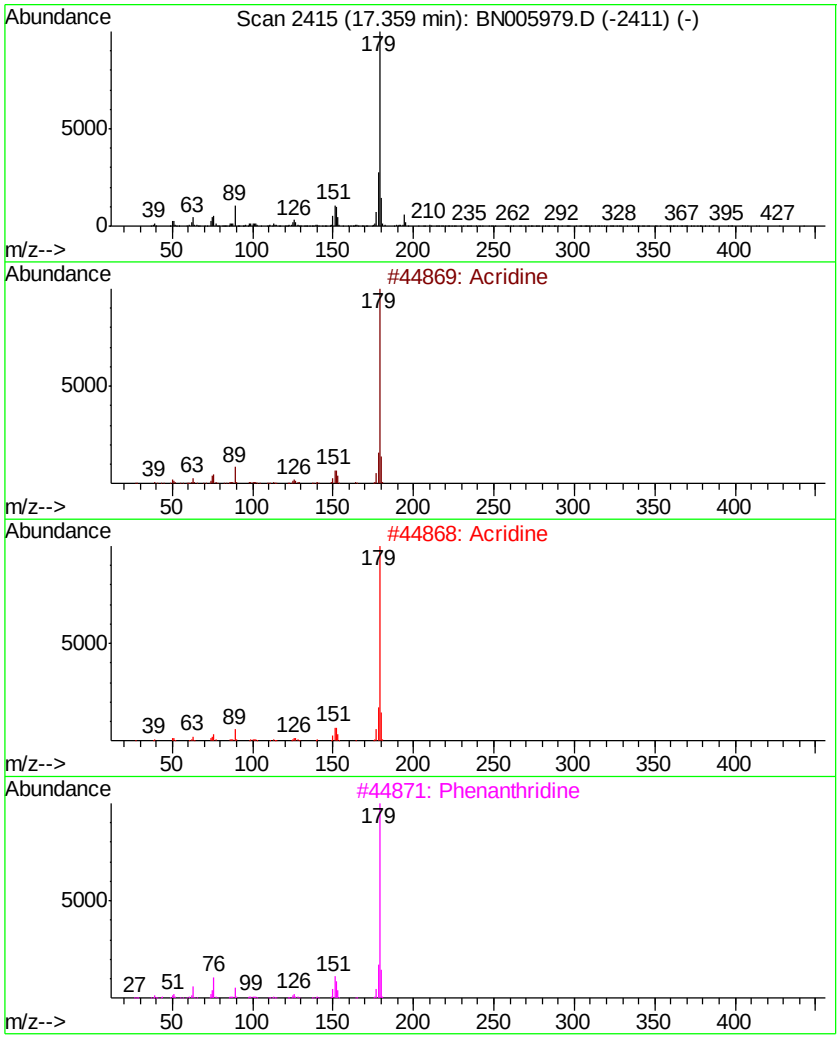
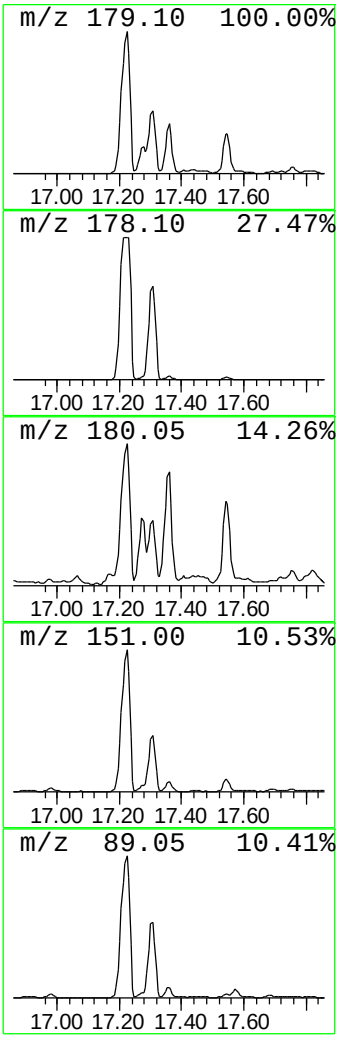
Peak Number 17 Acridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	13.10 ng/ul	2860730	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Acridine	179	C13H9N	000260-94-6	94
3	Phenanthridine	179	C13H9N	000229-87-8	93
4	Acridine	179	C13H9N	000260-94-6	93
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	93





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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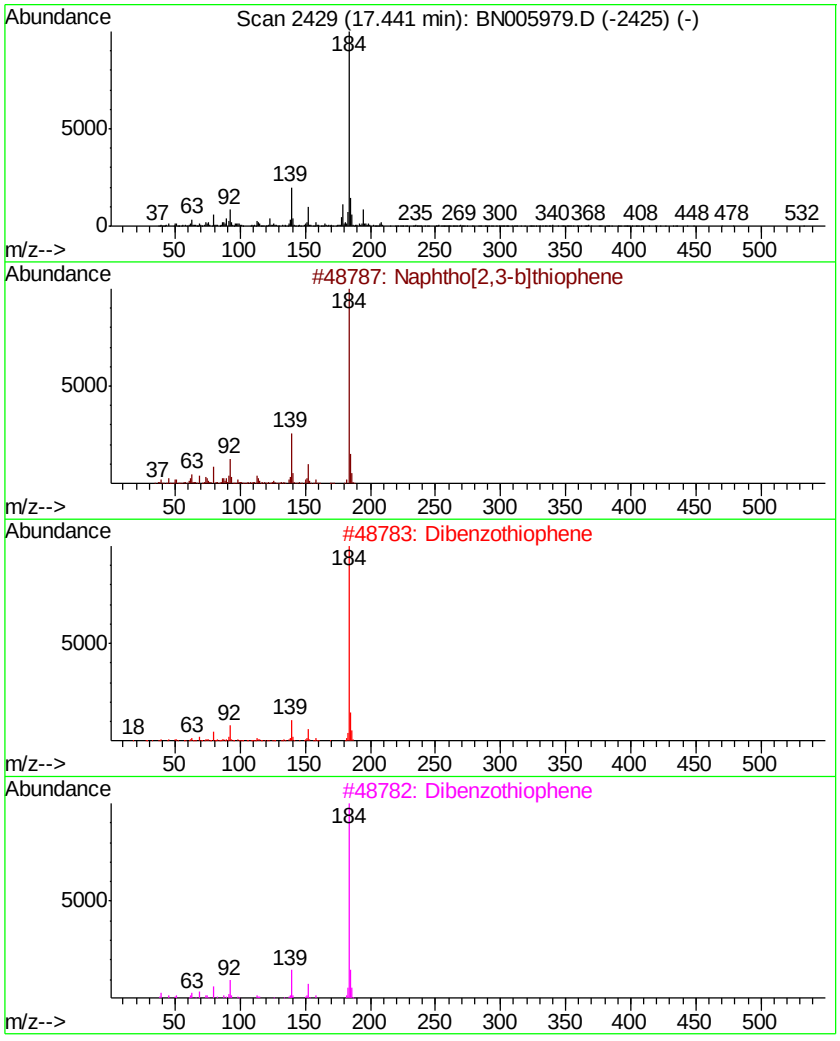
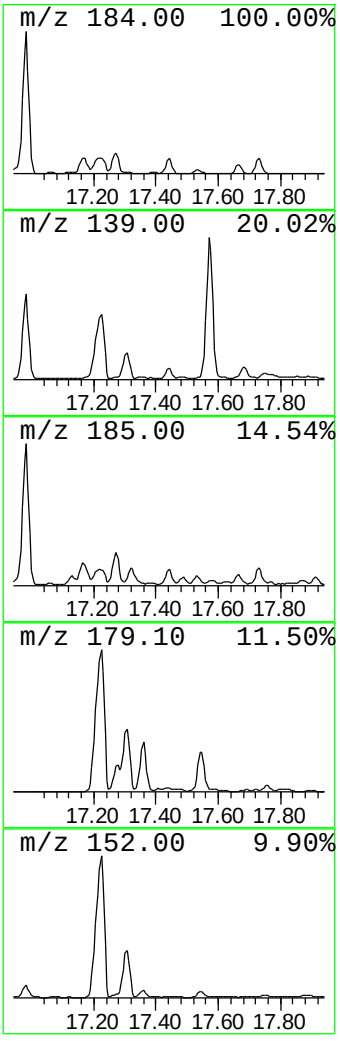
Peak Number 18 Naphtho[2,3-b]thiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	3.12 ng/ul	681812	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89





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Misc :
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Instrument : BNA_N
ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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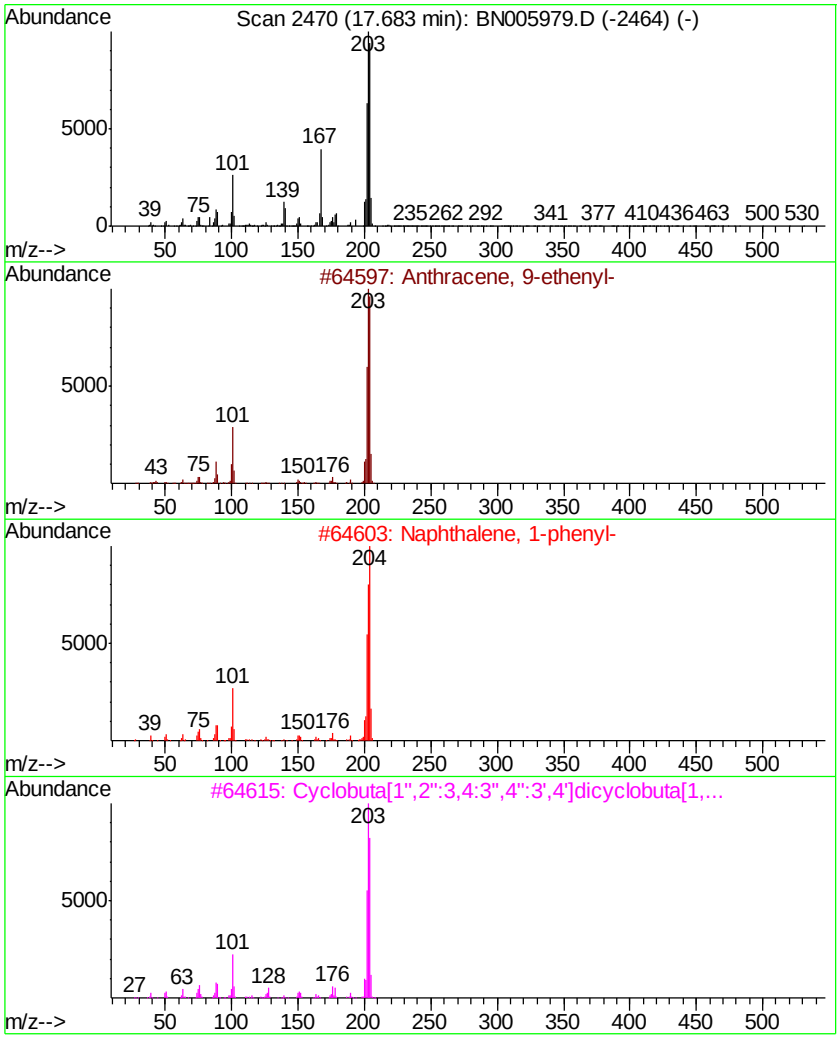
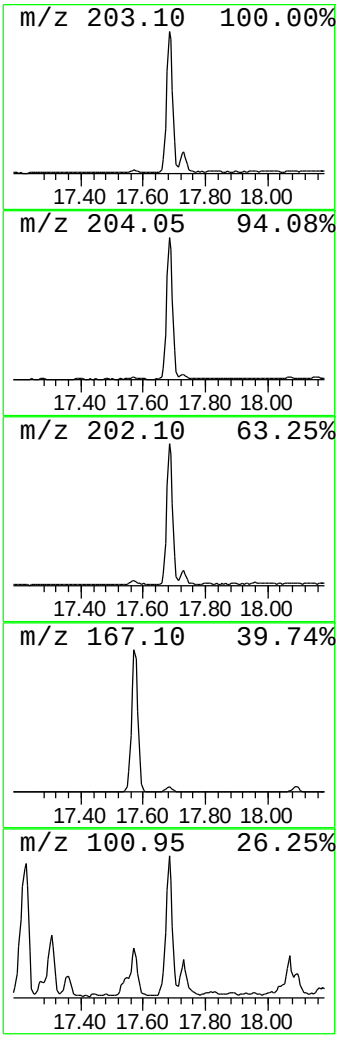
Peak Number 19 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	8.97 ng/ul	1960530	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	83
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	83
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	83





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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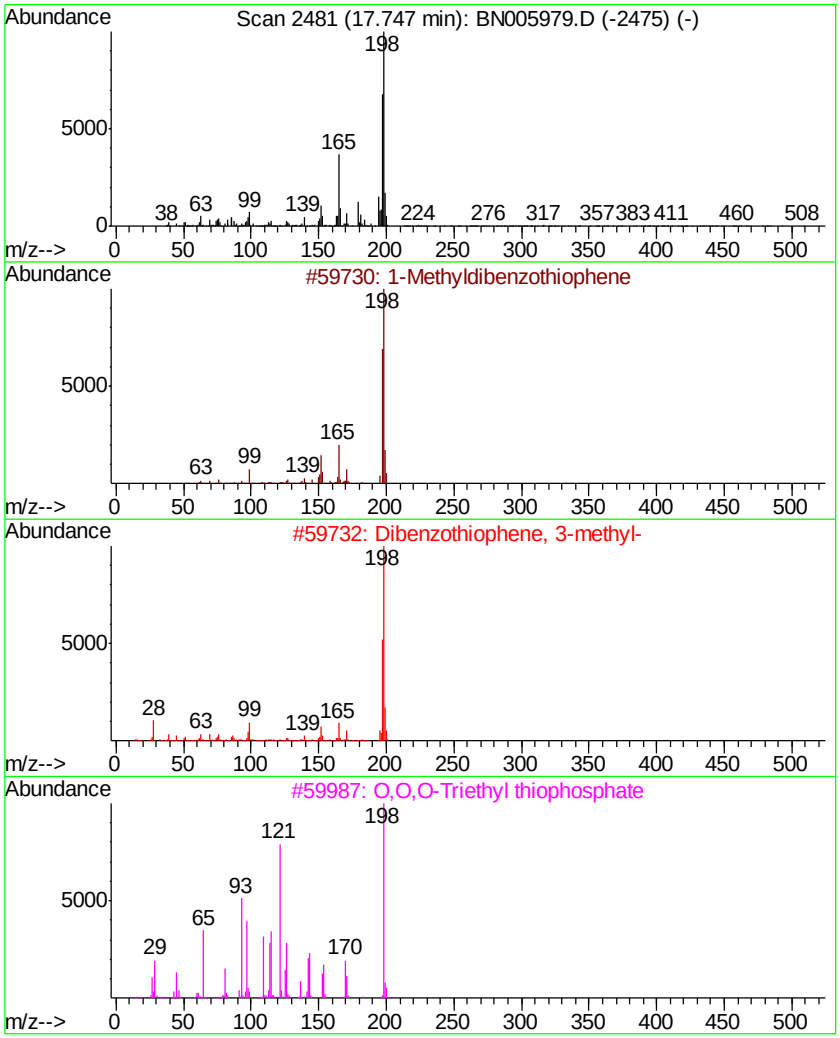
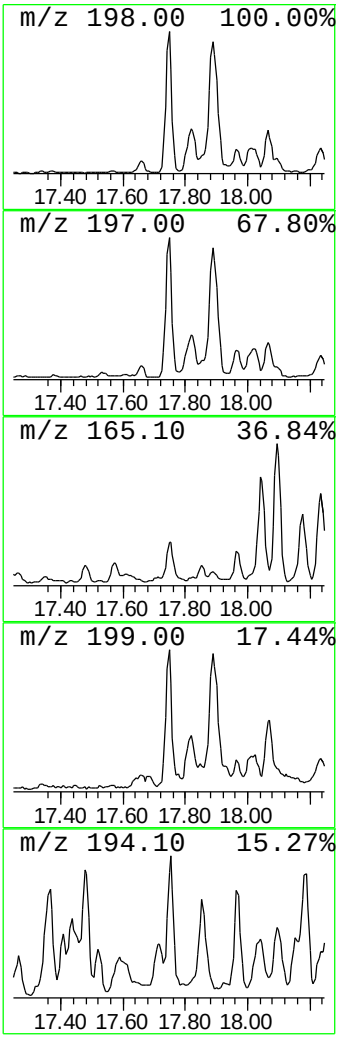
Peak Number 20 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	11.61 ng/ul	2536550	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
3	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	83
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
5	Thioxanthene	198	C13H10S	000261-31-4	64





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Quant Title : SVOA CALIBRATION

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

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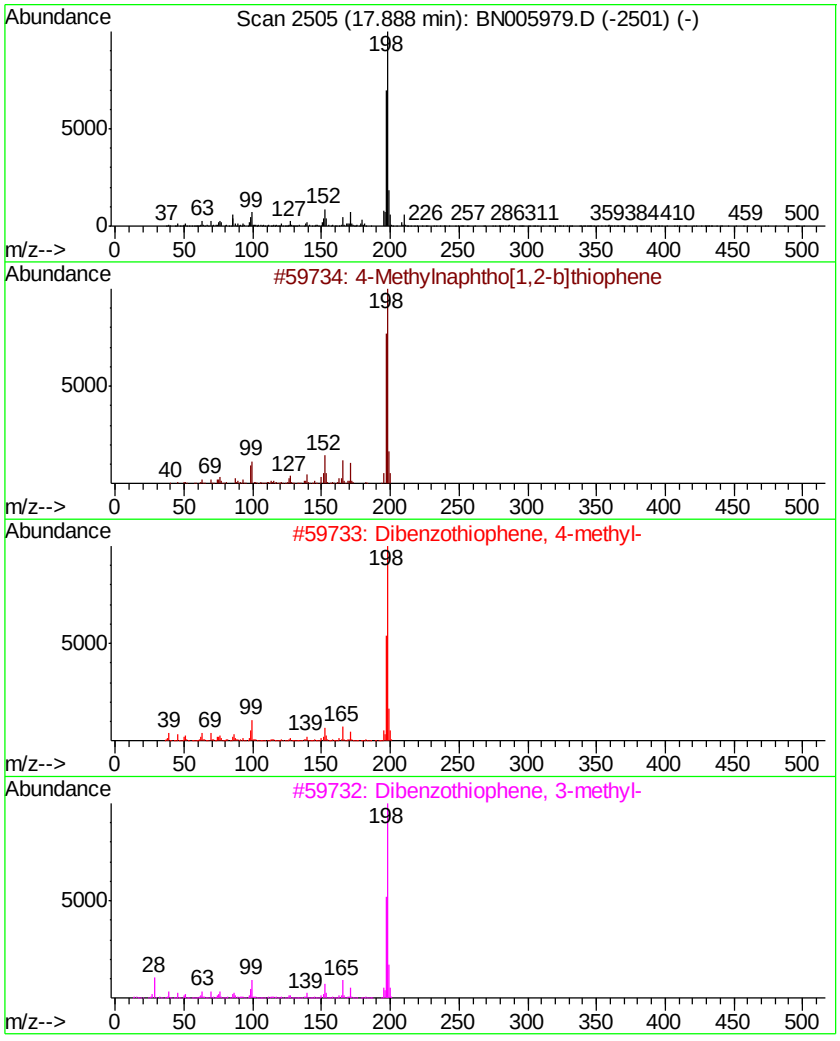
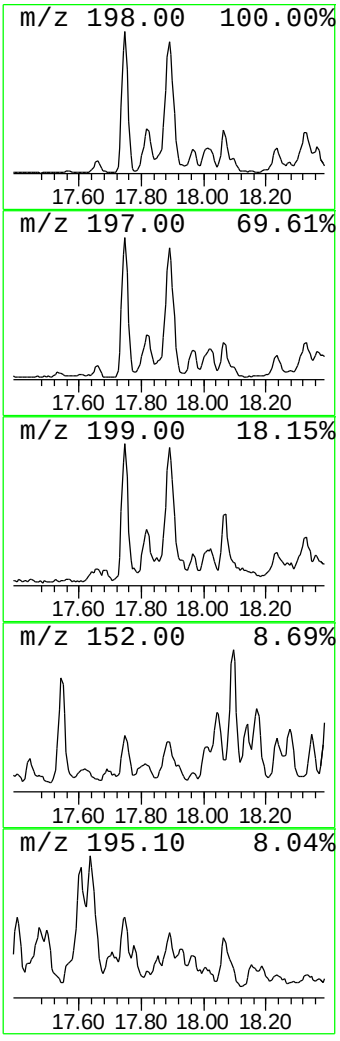
Peak Number 21 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.78 ng/ul	1044660	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
5	Tacrine	198	C13H14N2	000321-64-2	72





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Quant Title : SVOA CALIBRATION

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

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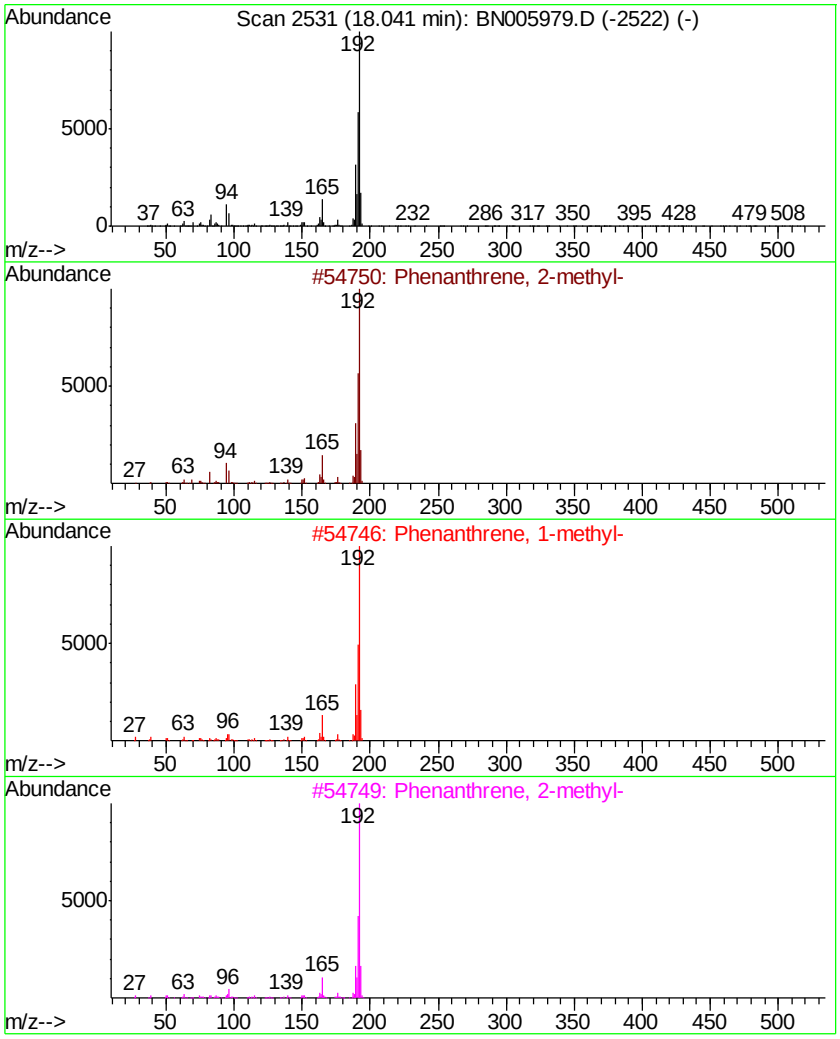
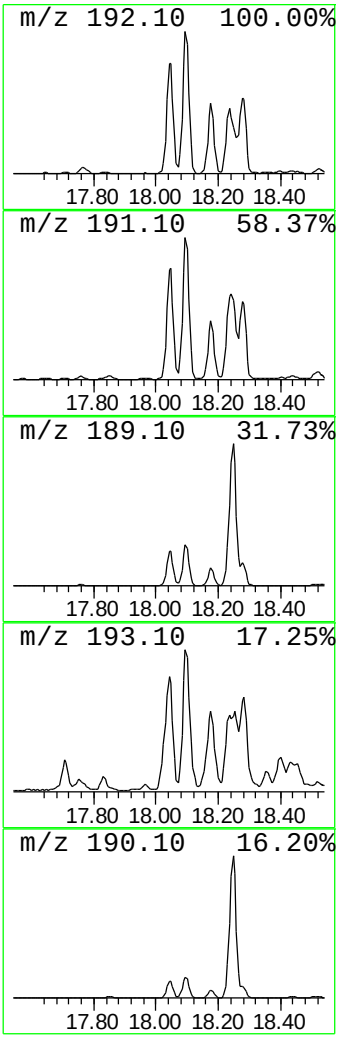
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	50.42 ng/ul	11013800	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Quant Title : SVOA CALIBRATION

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

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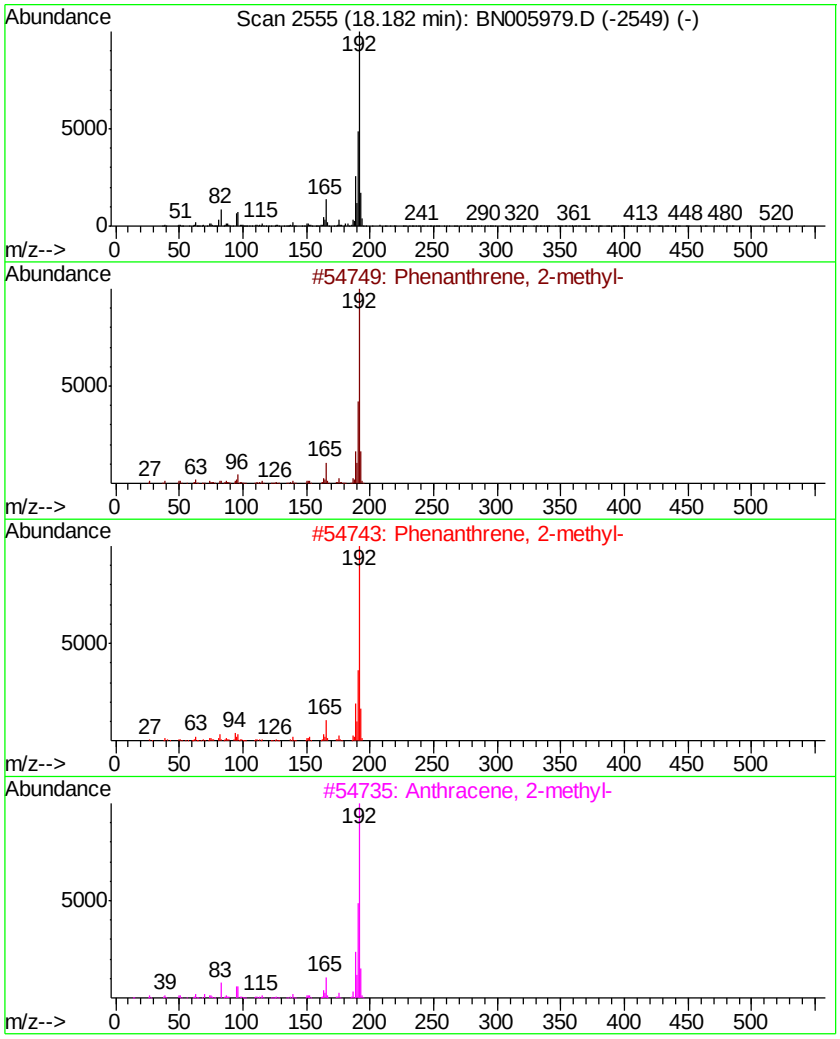
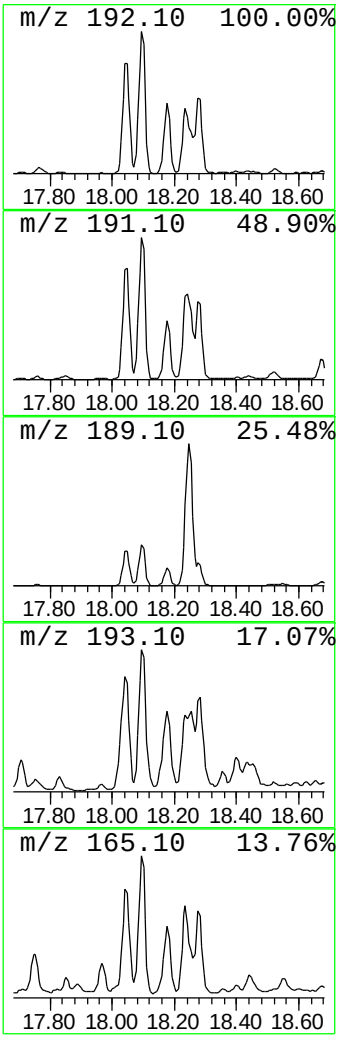
Peak Number 24 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	23.24 ng/ul	5075840	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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ClientSampleId : A42B8

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Quant Title : SVOA CALIBRATION

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

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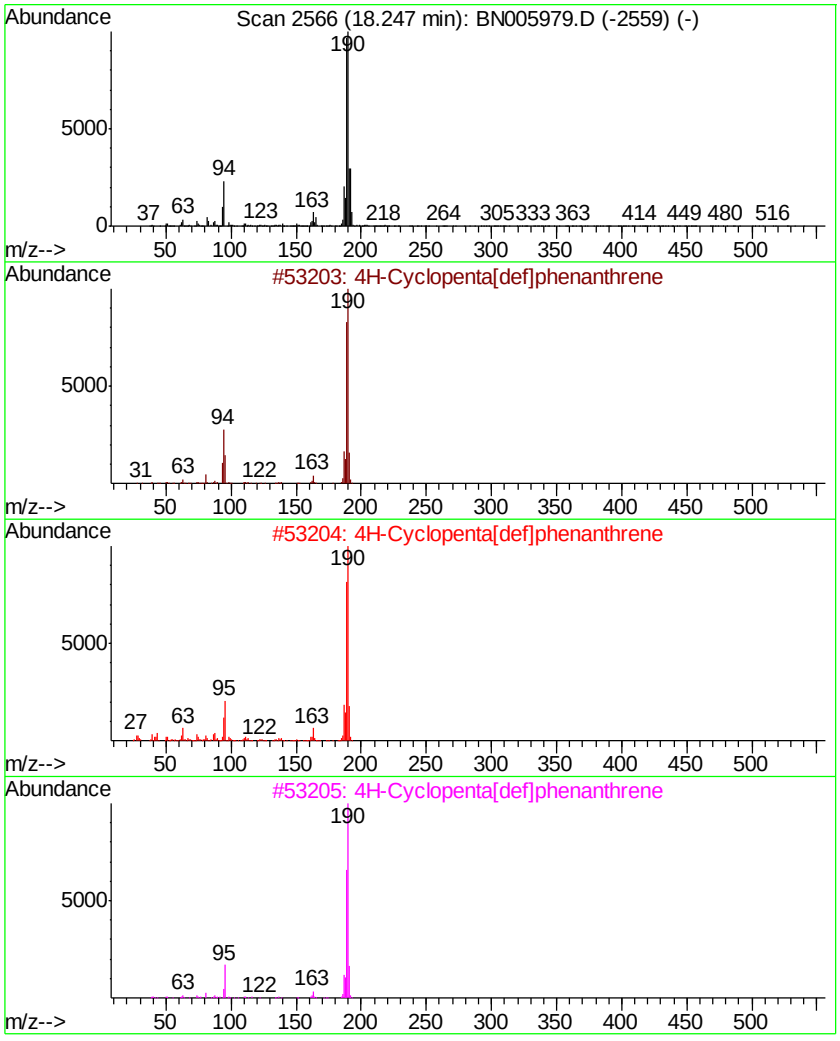
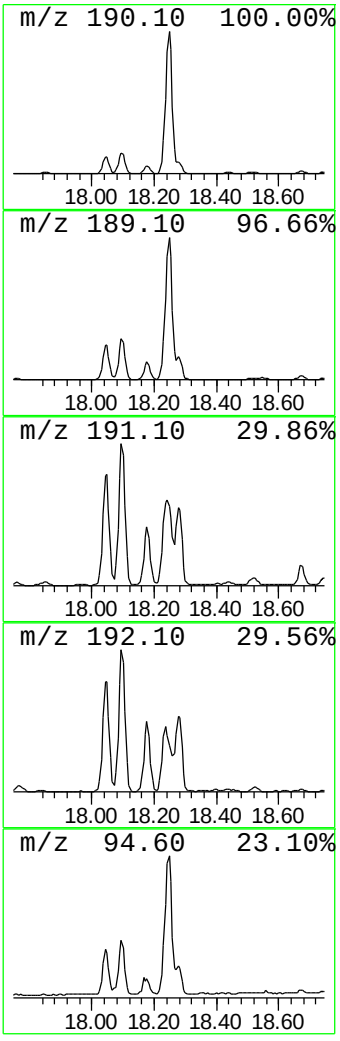
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	84.16 ng/ul	18384000	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50





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Quant Title : SVOA CALIBRATION

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

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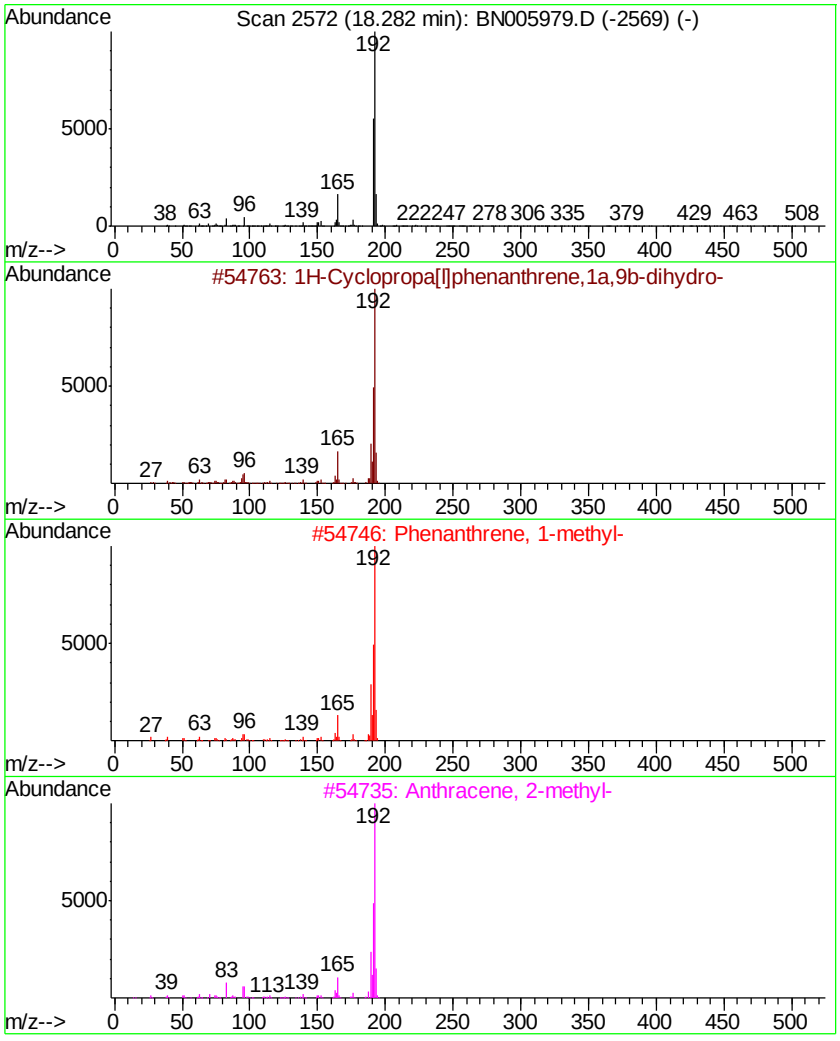
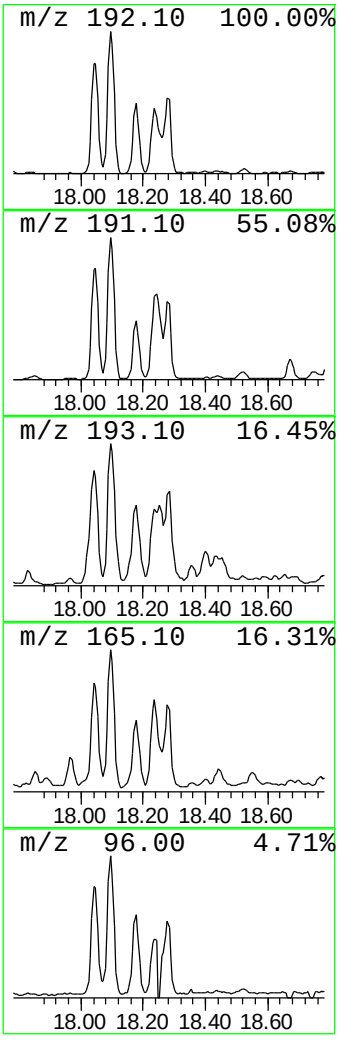
Peak Number 26 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	23.57 ng/ul	5147820	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Quant Title : SVOA CALIBRATION

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

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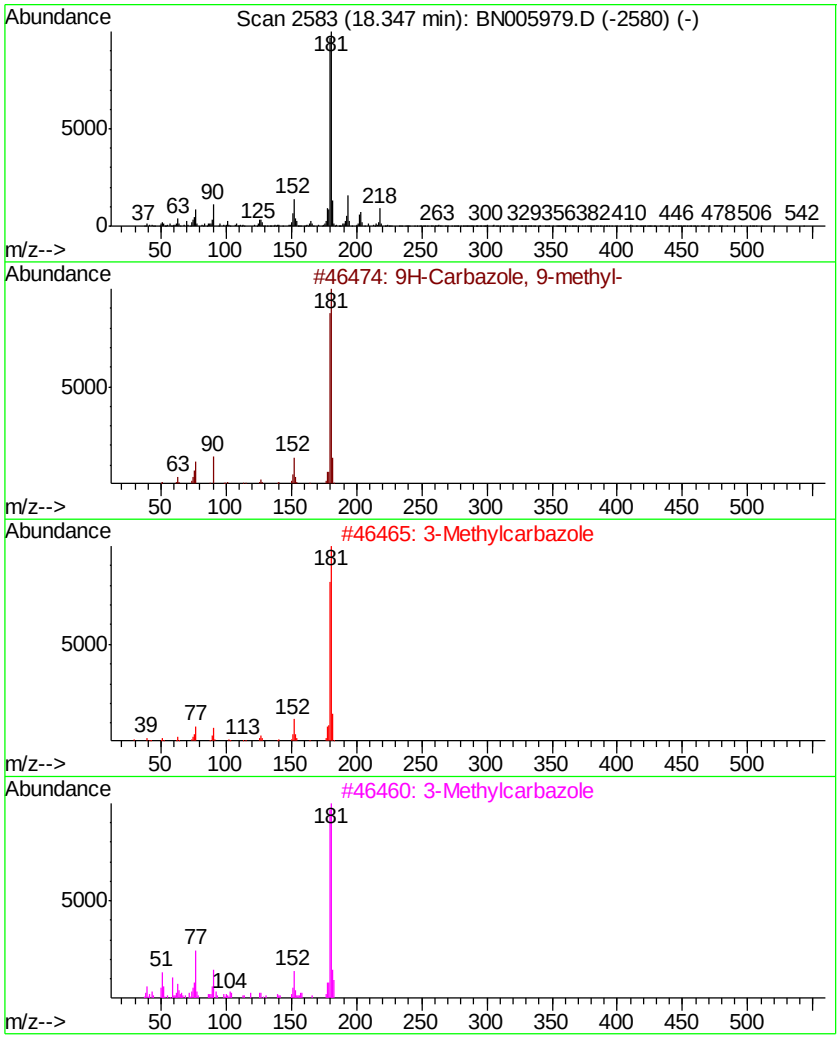
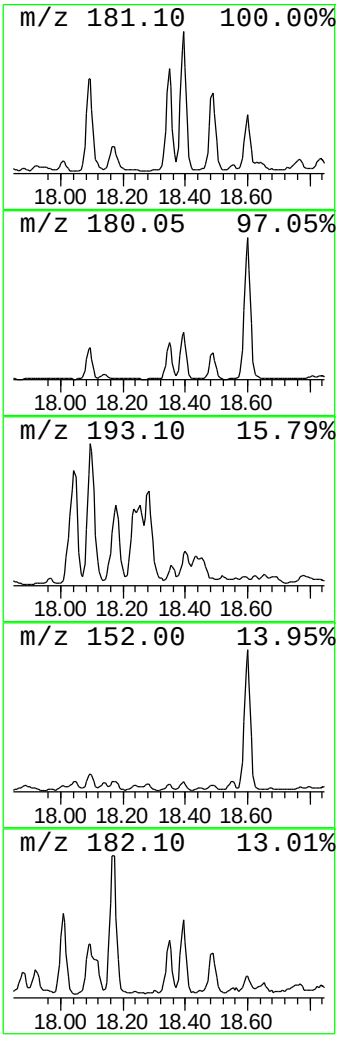
Peak Number 27 9H-Carbazole, 9-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	5.04 ng/ul	1101410	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	93
2	3-Methylcarbazole	181	C13H11N	004630-20-0	78
3	3-Methylcarbazole	181	C13H11N	004630-20-0	64
4	4-Methylcarbazole	181	C13H11N	003770-48-7	64
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	64





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Quant Title : SVOA CALIBRATION

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

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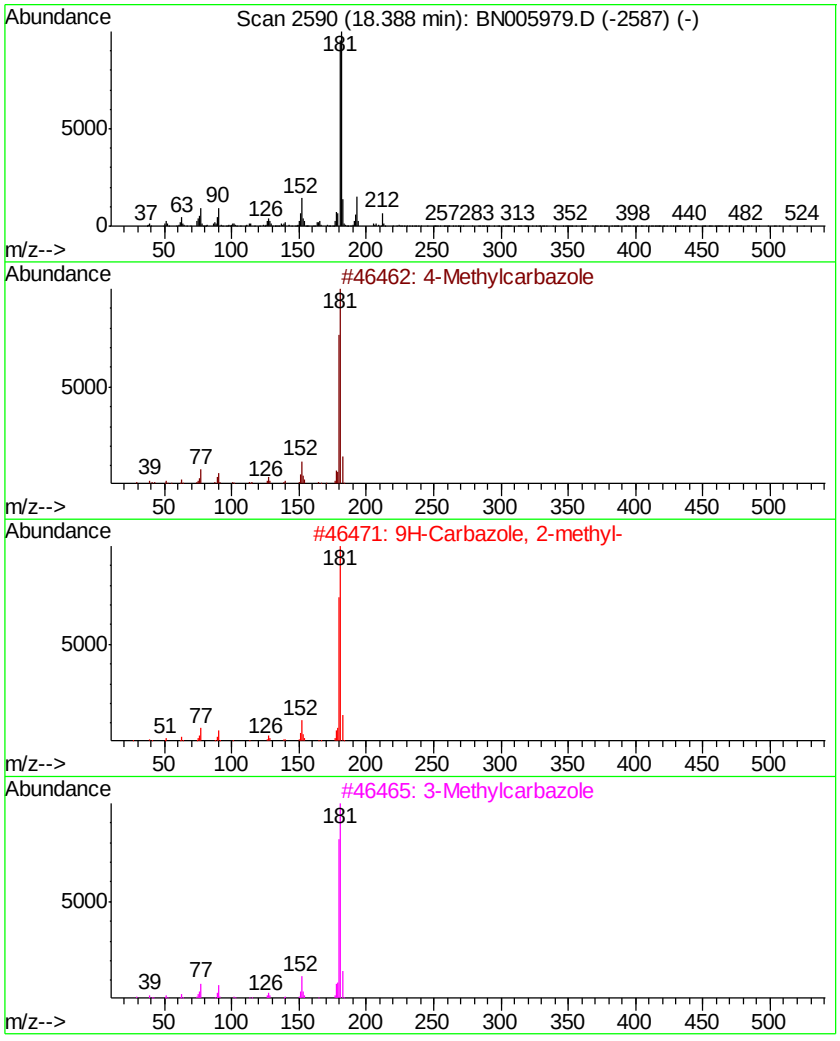
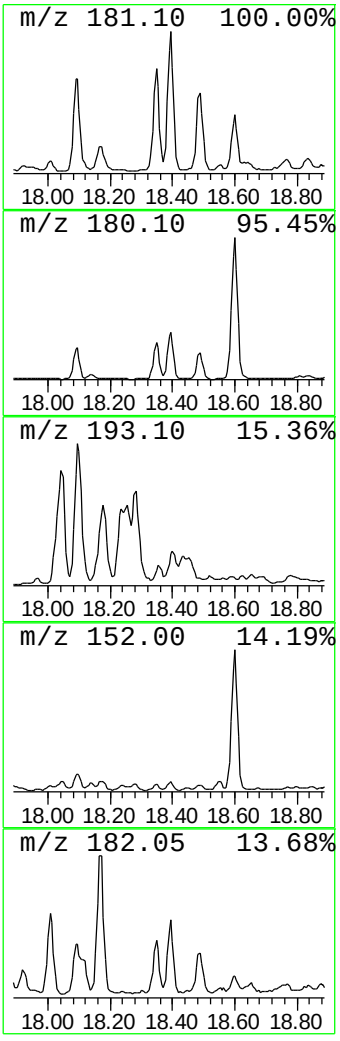
Peak Number 28 4-Methylcarbazole Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	5.68 ng/ul	1241060	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	96
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	96
3	3-Methylcarbazole	181	C13H11N	004630-20-0	96
4	3-Methylcarbazole	181	C13H11N	004630-20-0	96
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	94





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Quant Title : SVOA CALIBRATION

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

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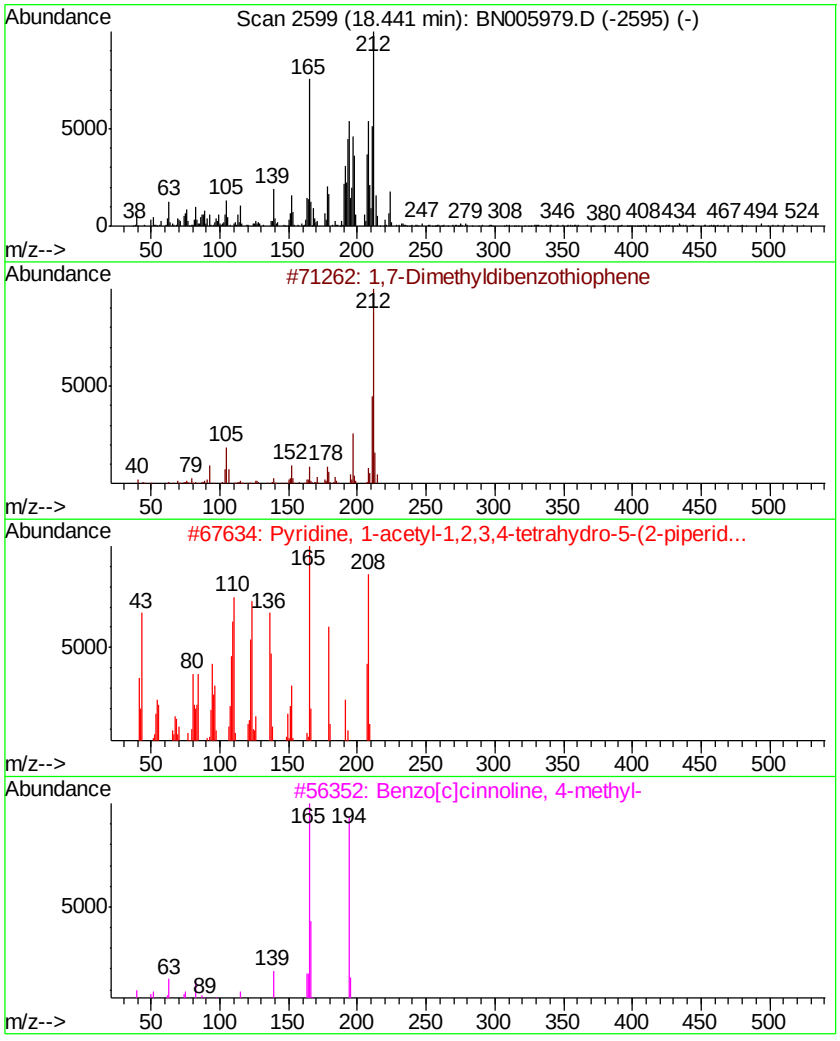
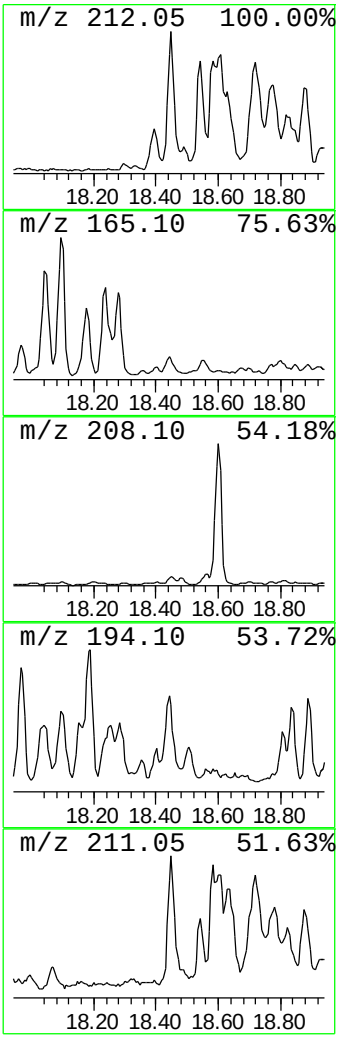
Peak Number 29 1,7-Dimethyldibenzothiophene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	4.34 ng/ul	947660	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	59
2	Pyridine, 1-acetyl-1,2,3,4-tetra...	208	C12H20N2O	054966-22-2	56
3	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	46
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	44
5	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	42





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Quant Title : SVOA CALIBRATION

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

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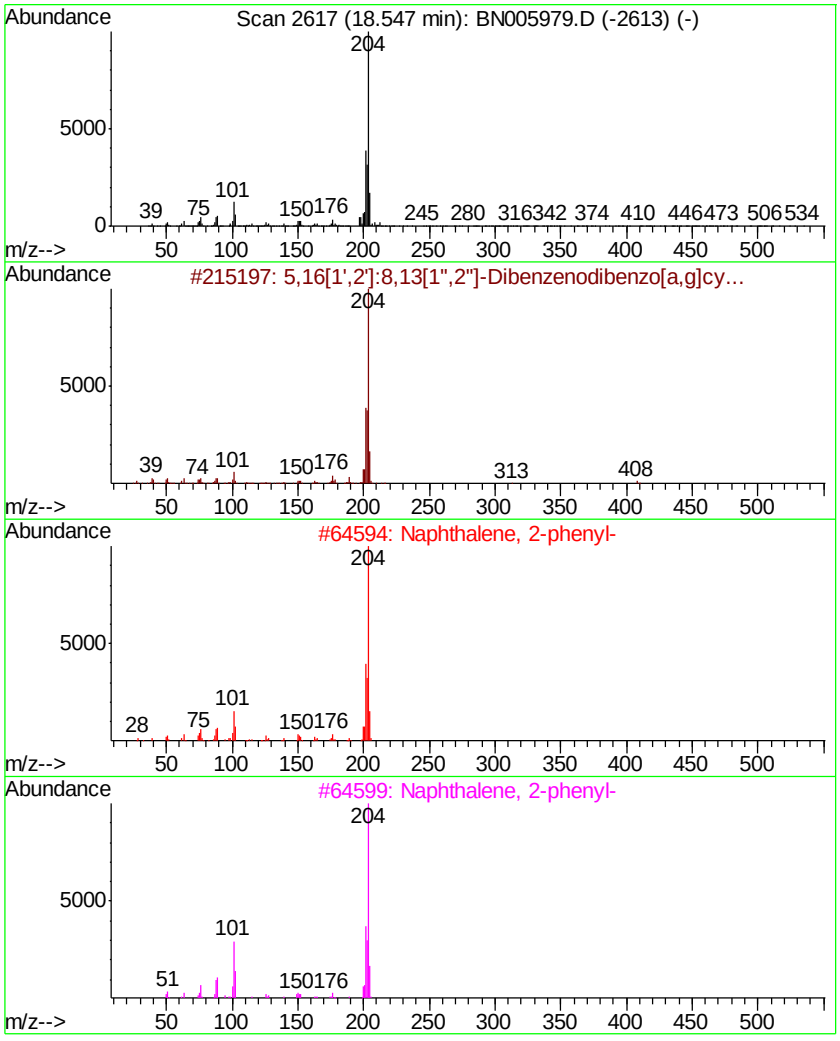
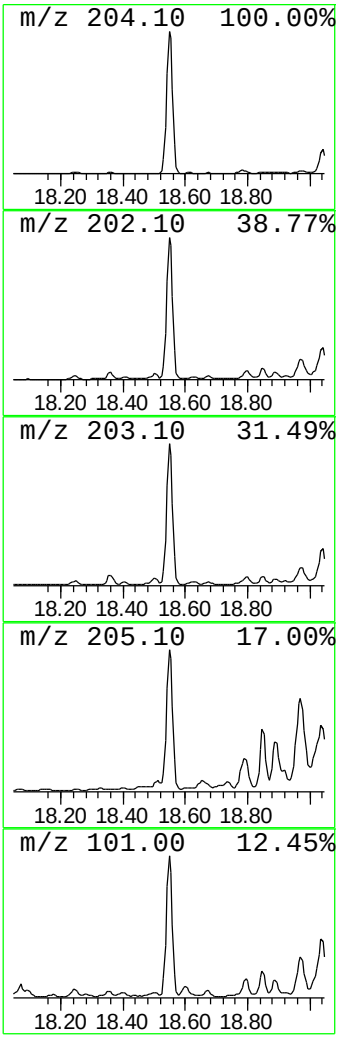
Peak Number 31 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	29.76 ng/ul	6500920	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN053119\
Data File : BN005979.D
Acq On : 31 May 2019 13:17
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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
Naphthalene, 1-me...	12.43	6.7	ng/ul	1374410	2	10.54	4126520	20.0
1,4-Naphthalenedione	13.64	5.5	ng/ul	1299500	3	14.41	4683110	20.0
Naphthalene, 2,3-...	13.72	5.0	ng/ul	1180840	3	14.41	4683110	20.0
2-Naphthalenecarb...	14.54	2.8	ng/ul	655530	3	14.41	4683110	20.0
Benzeneethanol, ...	15.62	5.9	ng/ul	1375100	3	14.41	4683110	20.0
Diphenylmethane	15.71	3.6	ng/ul	838849	3	14.41	4683110	20.0
[1,1'-Biphenyl]-4...	15.75	7.8	ng/ul	1823790	3	14.41	4683110	20.0
2,4,6-Cycloheptat...	15.90	11.3	ng/ul	2461050	4	17.16	4368880	20.0
1(2H)-Acenaphthyl...	16.14	6.1	ng/ul	1329160	4	17.16	4368880	20.0
9H-Fluorene, 2-me...	16.46	14.0	ng/ul	3067380	4	17.16	4368880	20.0
9H-Fluorene, 1-me...	16.52	4.6	ng/ul	999781	4	17.16	4368880	20.0
Phenol, 4-(2-phen...	16.74	3.5	ng/ul	771755	4	17.16	4368880	20.0
9H-Fluoren-9-one	16.82	13.3	ng/ul	2906110	4	17.16	4368880	20.0
8-Dimethylaminona...	16.89	9.2	ng/ul	2009970	4	17.16	4368880	20.0
Naphtho[2,1-b]thi...	16.98	22.8	ng/ul	4975520	4	17.16	4368880	20.0
Acridine	17.36	13.1	ng/ul	2860730	4	17.16	4368880	20.0
Naphtho[2,3-b]thi...	17.44	3.1	ng/ul	681812	4	17.16	4368880	20.0
Anthracene, 9-eth...	17.68	9.0	ng/ul	1960530	4	17.16	4368880	20.0
1-Methyldibenzoth...	17.75	11.6	ng/ul	2536550	4	17.16	4368880	20.0
4-Methylnaphtho[1...	17.89	4.8	ng/ul	1044660	4	17.16	4368880	20.0
Phenanthrene, 2-m...	18.04	50.4	ng/ul	11013800	4	17.16	4368880	20.0
Anthracene, 2-met...	18.18	23.2	ng/ul	5075840	4	17.16	4368880	20.0
4H-Cyclopenta[def...	18.25	84.2	ng/ul	18384000	4	17.16	4368880	20.0
1H-Cyclopropa[l]p...	18.28	23.6	ng/ul	5147820	4	17.16	4368880	20.0
9H-Carbazole, 9-m...	18.35	5.0	ng/ul	1101410	4	17.16	4368880	20.0
4-Methylcarbazole	18.39	5.7	ng/ul	1241060	4	17.16	4368880	20.0
1,7-Dimethyldiben...	18.44	4.3	ng/ul	947660	4	17.16	4368880	20.0
5,16[1',2']:8,13[...	18.55	29.8	ng/ul	6500920	4	17.16	4368880	20.0