LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN121218MA.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	10.675	1301	1307	1320	rVB	872699	1458601	7.01%	0.705%
2	12.281	1572	1580	1589	rVB	767574	1196227	5.75%	0.578%
3	12.504	1607	1618	1626	rVB	523170	818421	3.93%	0.395%
4	13.292	1747	1752	1762	rVB	315751	446242	2.14%	0.216%
5	13.486	1780	1785	1795	rVB	230719	394753	1.90%	0.191%
6	13.622	1798	1808	1809	rBV	243057	348640	1.67%	0.168%
7	13.780	1828	1835	1840	rBV	410342	734348	3.53%	0.355%
8	13.833	1840	1844	1852	rVB	293727	435328	2.09%	0.210%
9	14.016	1869	1875	1879	rBV	224259	338005	1.62%	0.163%
10	14.433	1939	1946	1948	rBV	245967	320287	1.54%	0.155%
11	14.469	1948	1952	1957	rVV2	360548	554175	2.66%	0.268%
12	14.539	1957	1964	1970	rVB	3089152	4977041	23.90%	2.405%
13	14.775	1994	2004	2008	rVV2	337924	628500	3.02%	0.304%
14	14.869	2012	2020	2026	rVV	1877207	3097347	14.88%	1.497%
15	15.527	2123	2132	2139	rVV	3321022	5774765	27.73%	2.790%
16	15.610	2139	2146	2148	rVV	176736	296879	1.43%	0.143%
17	15.639	2148	2151	2154	rVV	428963	643676	3.09%	0.311%
18	15.674	2154	2157	2162	rVV2	716695	1026516	4.93%	0.496%
19	15.763	2168	2172	2175	rVV	432116	647767	3.11%	0.313%
20	15.804	2175	2179	2186	rVB	704574	1032888	4.96%	0.499%
21	15.951	2199	2204	2212	rBV	731562	1458168	7.00%	0.705%
22	16.304	2260	2264	2270	rVB	369259	500819	2.41%	0.242%
23	16.516	2288	2300	2304	rBV2	727002	1588307	7.63%	0.767%
24	16.563	2304	2308	2313	rVV2	302942	442012	2.12%	0.214%
25	16.663	2319	2325	2330	rVB2	316986	534152	2.57%	0.258%
26	16.716	2330	2334	2336	rBV	194553	292958	1.41%	0.142%
27	16.963	2367	2376	2382	rVV2	649248	1491795	7.16%	0.721%
28	17.039	2382	2389	2398	rVB	1545597	2362572	11.35%	1.141%
29	17.304	2414	2434	2439	rBV3	5905218	20821447	100.00%	10.060%
30	17.380	2439	2447	2451	rBV	3868996	6148537	29.53%	2.971%
31	17.727	2502	2506	2511	rBV	406420	543262	2.61%	0.262%
32	17.792	2512	2517	2527	rVB2	353263	704334	3.38%	0.340%
33	17.933	2536	2541	2549	rVB	302753	598700	2.88%	0.289%
34	18.092	2562	2568	2573	rBV	1939994	3104745	14.91%	1.500%

LSC Area Percent Report

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Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN121218MA.M
Title : SVOA CALIBRATION

35	18.151	2573	2578	2582	rVB	2602053	3767725	18.10%	1.820%
36	18.227	2582	2591	2596	rBV	666963	1035785	4.97%	0.500%
37	18.304	2596	2604	2607	rBV2	2975708	6054599	29.08%	2.925%
38	18.592	2647	2653	2658	rBV	1878574	2529273	12.15%	1.222%
39	18.710	2669	2673	2676	rBV	265805	319634	1.54%	0.154%
40	18.833	2686	2694	2699	rBV2	555360	831788	3.99%	0.402%
41	18.886	2699	2703	2706	rVV	518383	645739	3.10%	0.312%
42	18.927	2706	2710	2713	rVB	325497	428285	2.06%	0.207%
43	19.010	2718	2724	2728	rBV	851129	1445453	6.94%	0.698%
44	19.074	2728	2735	2739	rBV3	419827	922656	4.43%	0.446%
45	19.168	2744	2751	2757	rBV3	225360	699844	3.36%	0.338%
46	19.321	2764	2777	2783	rBV	5755600	19389753	93.12%	9.368%
47	19.533	2808	2813	2817	rBV	724243	1009450	4.85%	0.488%
48	19.657	2824	2834	2836	rBV3	5221941	11641711	55.91%	5.625%
49	19.715	2842	2844	2849	rVB	1222148	1384217	6.65%	0.669%
50	19.827	2858	2863	2867	rVV	1558104	2088910	10.03%	1.009%
51	19.980	2880	2889	2894	rVV2	1217404	2426631	11.65%	1.172%
52	20.051	2894	2901	2904	rVV5	143043	348131	1.67%	0.168%
53	20.157	2904	2919	2923	rVV	3401455	7543771	36.23%	3.645%
54	20.257	2927	2936	2939	rVV	3486128	6093924	29.27%	2.944%
55	20.310	2939	2945	2947	rVV3	1228430	2727719	13.10%	1.318%
56	20.339	2947	2950	2954	rVV	1830165	2546557	12.23%	1.230%
57	20.380	2954	2957	2964	rVV2	689896	1184555	5.69%	0.572%
58	20.445	2964	2968	2971	rVV	702227	1038309	4.99%	0.502%
59	20.486	2972	2975	2983	rVB3	908963	1583230	7.60%	0.765%
60	20.598	2991	2994	3000	rVB4	175540	299207	1.44%	0.145%
61	20.662	3000	3005	3007	rBV	338678	504487	2.42%	0.244%
62	20.692	3007	3010	3012	rVV4	228747	344572	1.65%	0.166%
63	20.727	3012	3016	3019	rVV2	538114	889930	4.27%	0.430%
64	20.768	3019	3023	3031	rVV2	1005000	1897977	9.12%	0.917%
65	20.845	3031	3036	3041	rVV2	742904	1426803	6.85%	0.689%
66	20.892	3041	3044	3049	rVV2	425387	763015	3.66%	0.369%
67	21.062	3065	3073	3075	rBV	1561416	2389929	11.48%	1.155%
68	21.098	3075	3079	3082	rVV	2052778	2857908	13.73%	1.381%
69	21.139	3082	3086	3089	rVV	1102066	1411160	6.78%	0.682%
70	21.174	3089	3092	3100	rVB	599123	794126	3.81%	0.384%
71	21.298	3105	3113	3120	rBV	584962	1248831	6.00%	0.603%

LSC Area Percent Report

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Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN121218MA.M
Title : SVOA CALIBRATION

72	21.415	3120	3133	3137	rBV	4876645	11604120	55.73%	5.607%
73	21.474	3137	3143	3148	rVB	4903320	8939260	42.93%	4.319%
74	21.527	3148	3152	3155	rVB3	244266	334383	1.61%	0.162%
75	21.574	3155	3160	3163	rBV3	503350	695603	3.34%	0.336%
76	21.739	3182	3188	3191	rBV2	207517	429510	2.06%	0.208%
77	21.774	3192	3194	3200	rVB4	212990	317296	1.52%	0.153%
78	21.868	3206	3210	3214	rBV2	227108	303162	1.46%	0.146%
79	21.909	3214	3217	3221	rBV	325332	438725	2.11%	0.212%
80	21.974	3221	3228	3232	rVV	1236548	2121477	10.19%	1.025%
81	22.027	3233	3237	3241	rVB2	759540	1128312	5.42%	0.545%
82	22.092	3243	3248	3252	rBV2	569534	964104	4.63%	0.466%
83	22.186	3259	3264	3267	rBV2	656536	1273078	6.11%	0.615%
84	22.215	3267	3269	3274	rVB	642038	883478	4.24%	0.427%
85	22.274	3274	3279	3287	rVB2	614993	971286	4.66%	0.469%
86	22.356	3288	3293	3301	rVB3	165476	309817	1.49%	0.150%
87	22.486	3310	3315	3318	rBV2	161634	331340	1.59%	0.160%
88	23.056	3402	3412	3415	rBV	2157229	5548608	26.65%	2.681%
89	23.092	3416	3418	3423	rVB	1723162	2093874	10.06%	1.012%
90	23.151	3423	3428	3433	rVV	212931	355582	1.71%	0.172%
91	23.215	3434	3439	3444	rVB	332884	531933	2.55%	0.257%
92	23.345	3456	3461	3470	rBV	233465	718638	3.45%	0.347%
93	23.539	3488	3494	3502	rVB	999330	1881880	9.04%	0.909%
94	23.639	3505	3511	3516	rVV2	395787	715136	3.43%	0.346%
95	23.739	3523	3528	3532	rBV	212497	368252	1.77%	0.178%
96	23.792	3533	3537	3543	rVB3	198879	404583	1.94%	0.195%
97	26.109	3921	3931	3940	rVB	502217	1447210	6.95%	0.699%
98	26.374	3968	3976	3984	rBV	195300	553289	2.66%	0.267%
99	26.474	3988	3993	4008	rVB	144874	500244	2.40%	0.242%
100	26.839	4049	4055	4075	rVB	132676	530730	2.55%	0.256%

Sum of corrected areas: 206972718

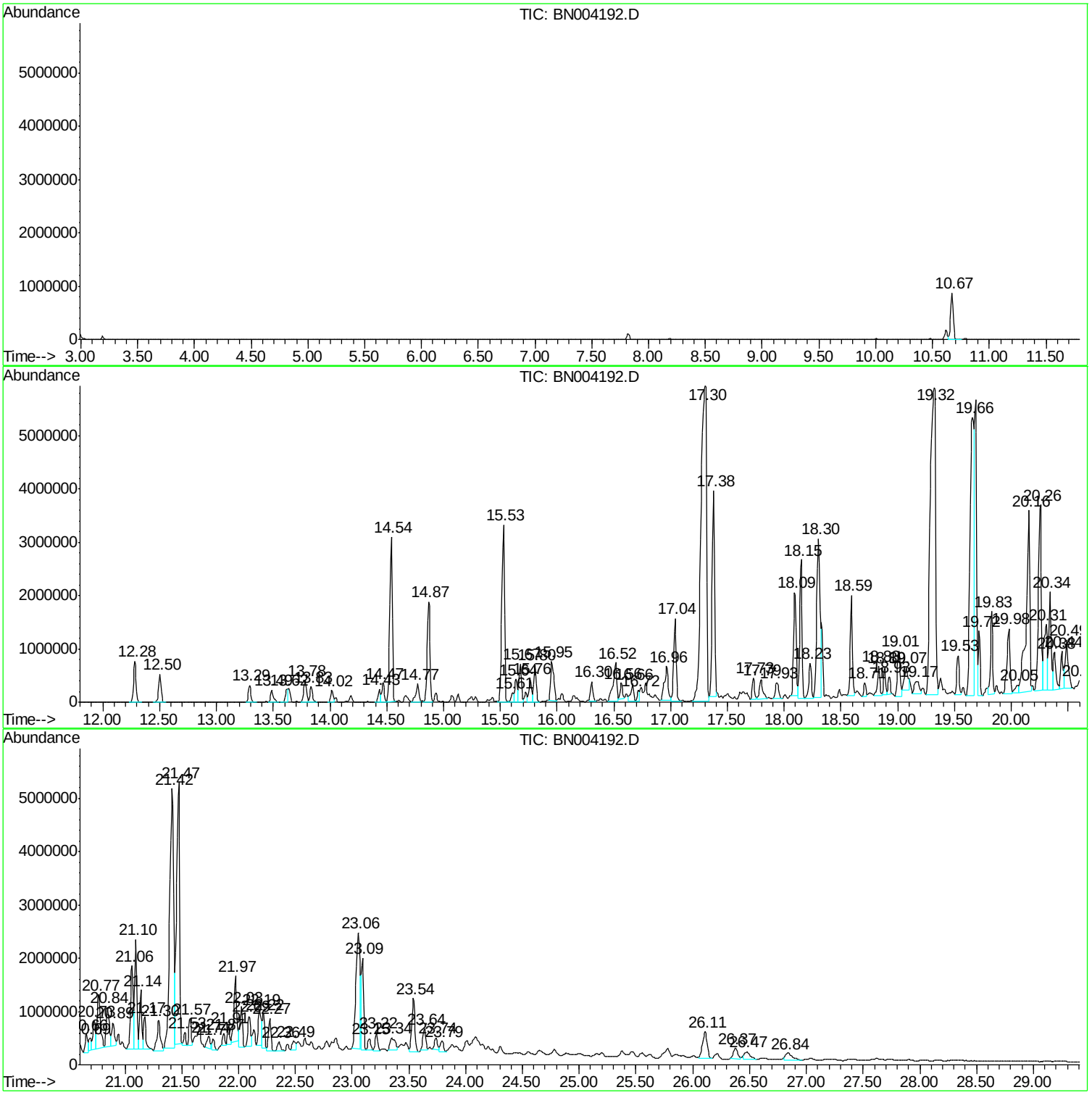
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB532

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
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Instrument : BNA_N
ClientSampleId : CB532

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

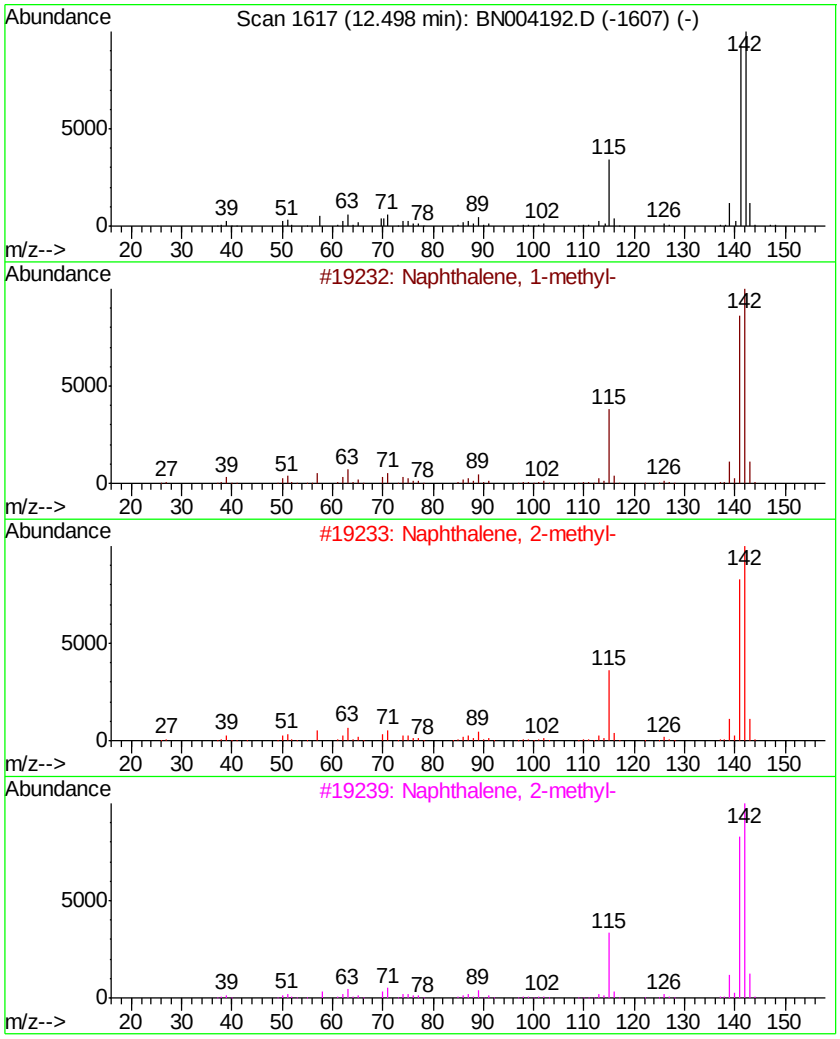
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

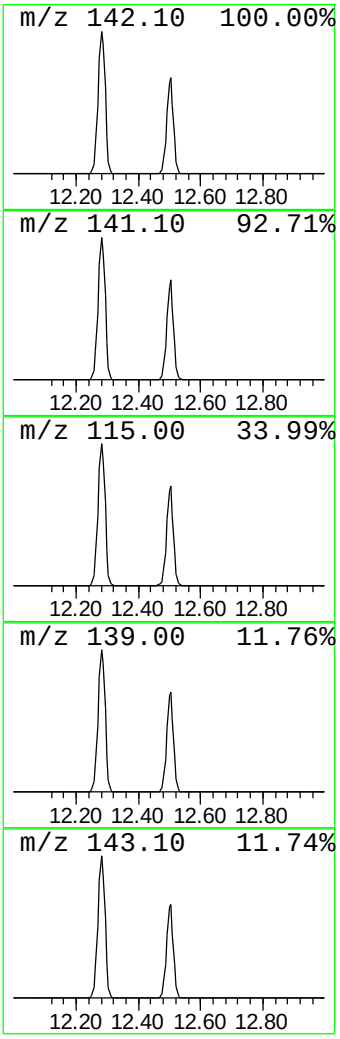
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	11.22 ng/ul	818421	Naphthalene-d8	10.62

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

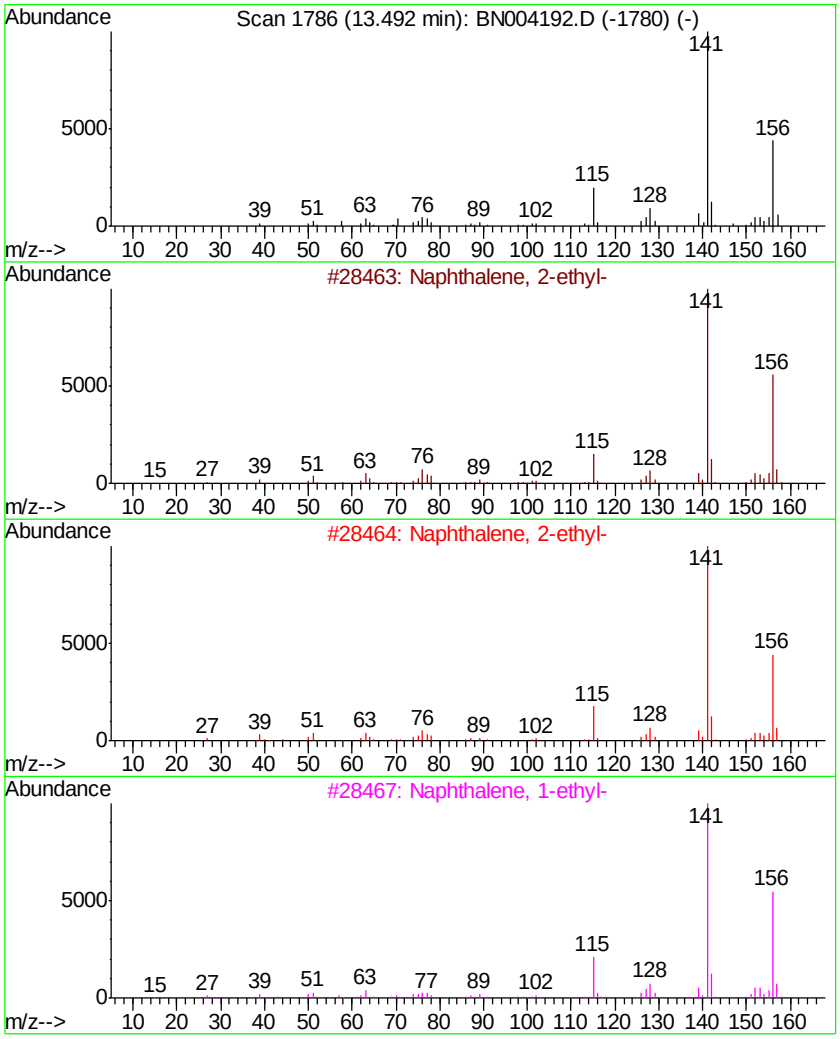
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

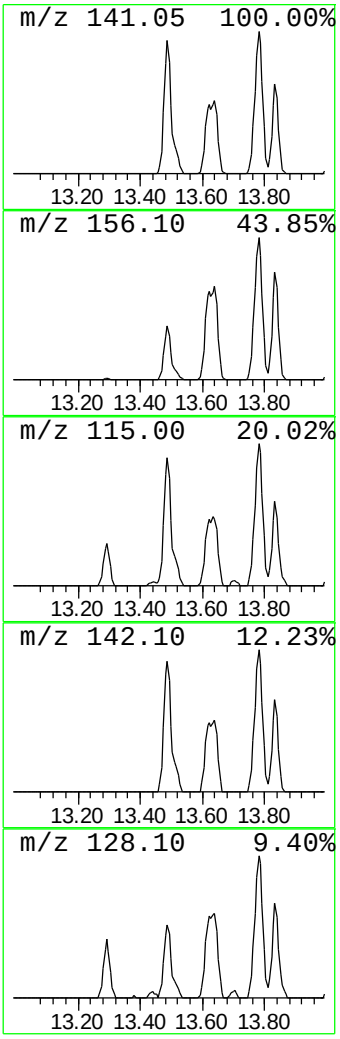
****

Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	14.25 ng/ul	394753	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

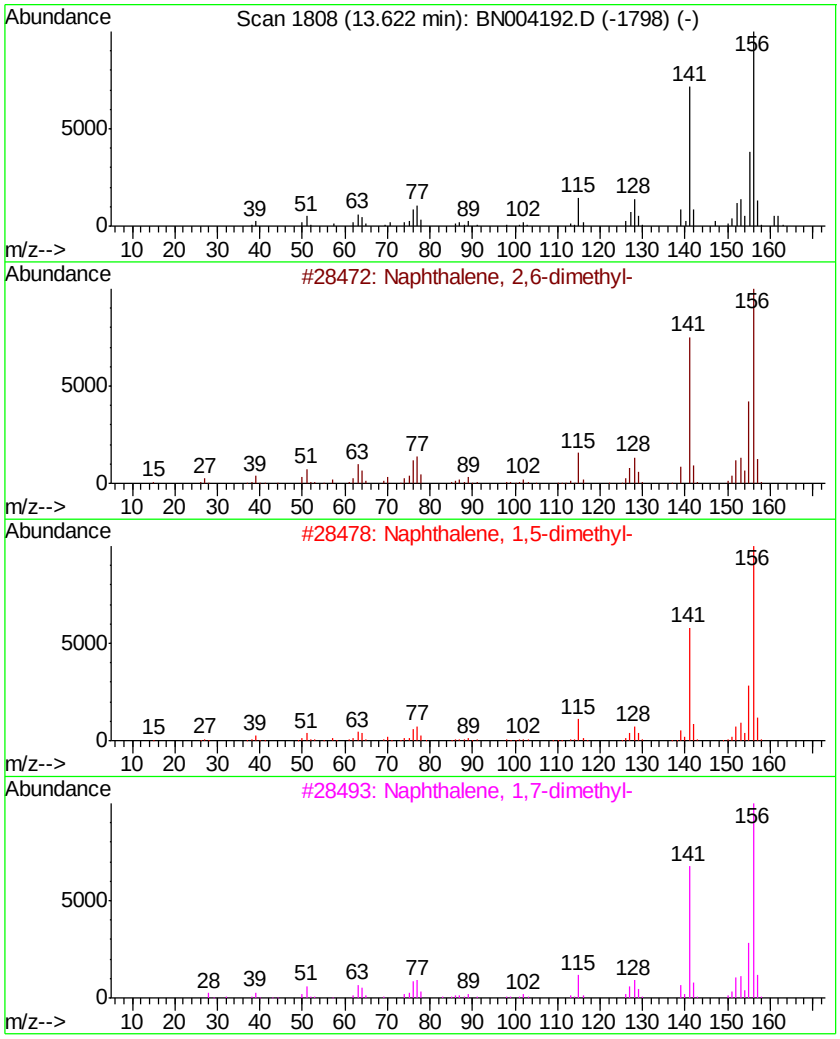
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

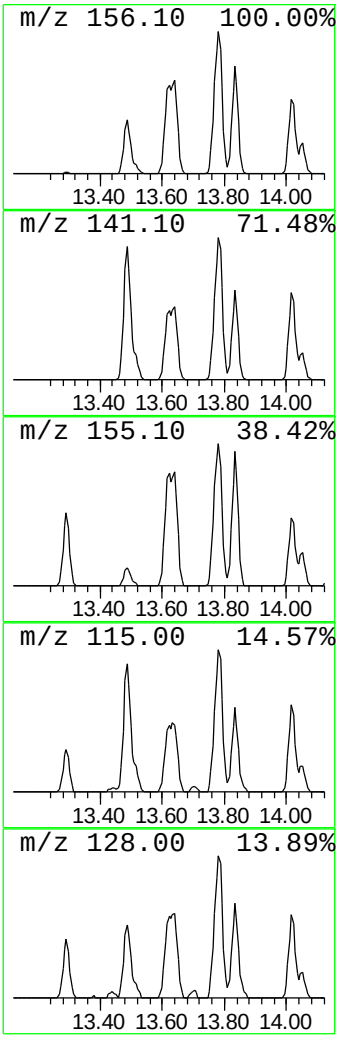
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	12.58 ng/ul	348640	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

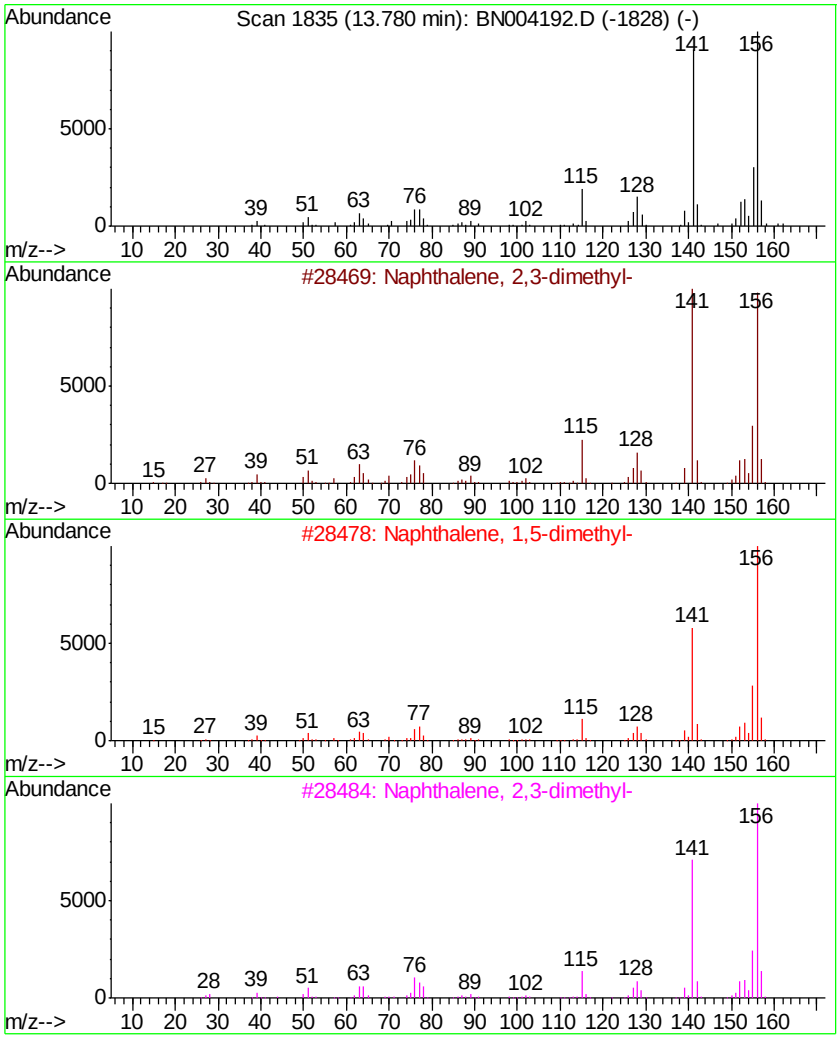
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

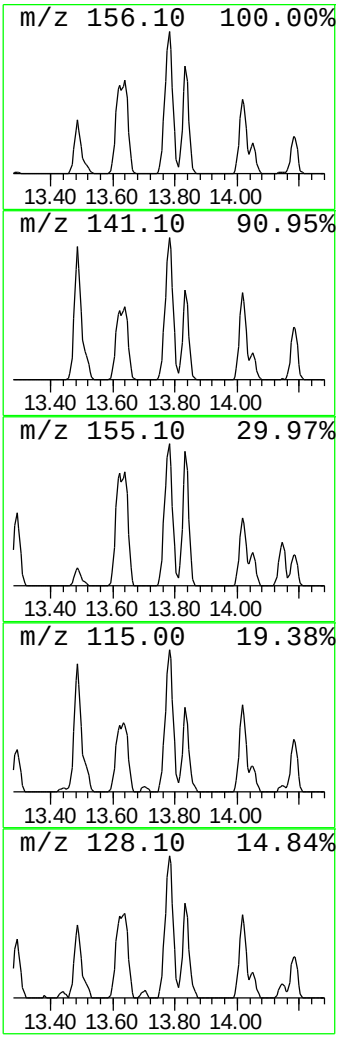
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	26.50 ng/ul	734348	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

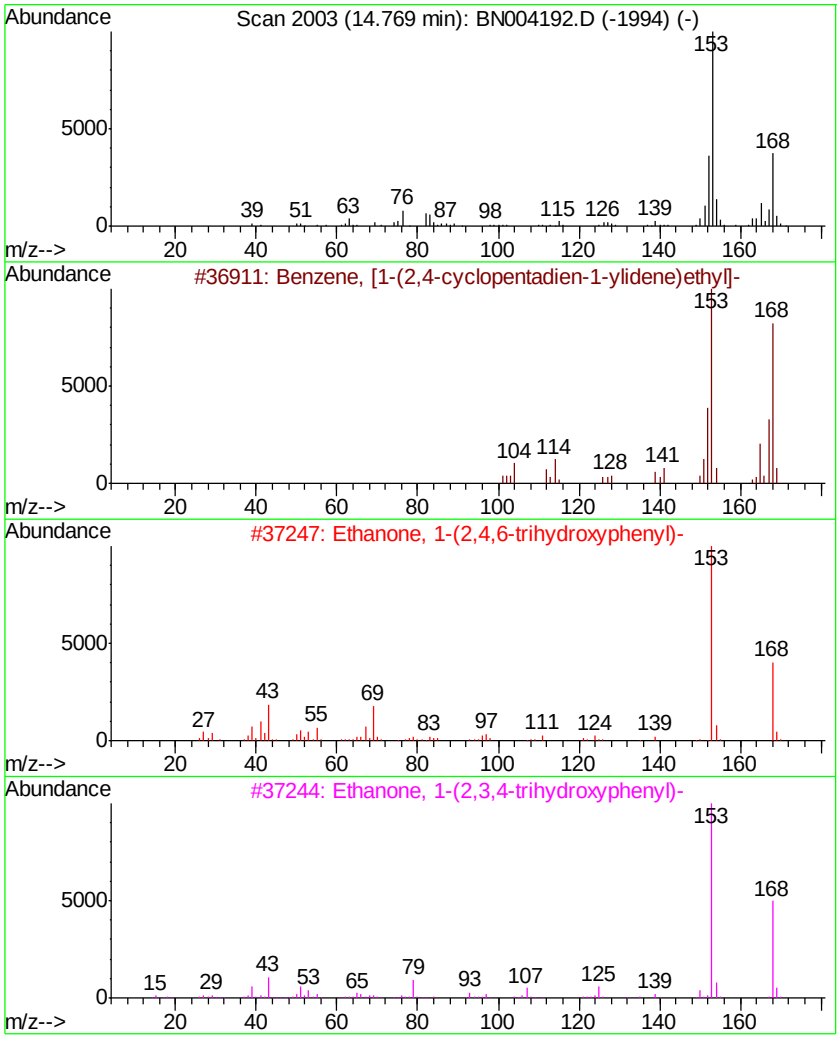
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

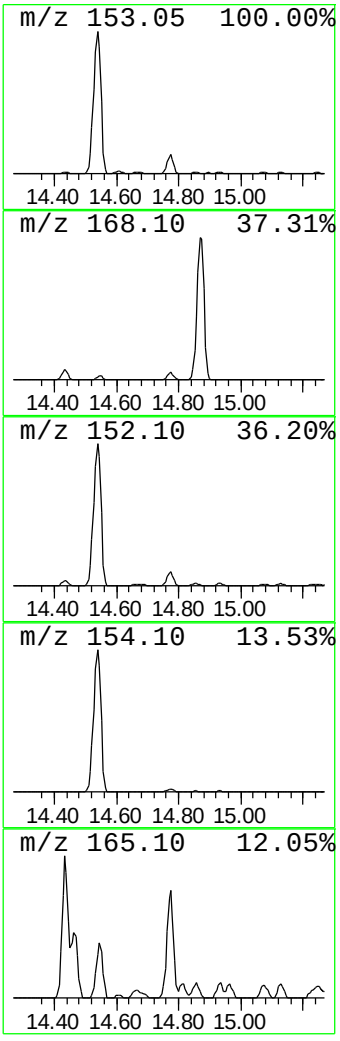
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	22.68 ng/ul	628500	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53





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ClientSampleId : CB532

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Quant Title : SVOA CALIBRATION

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

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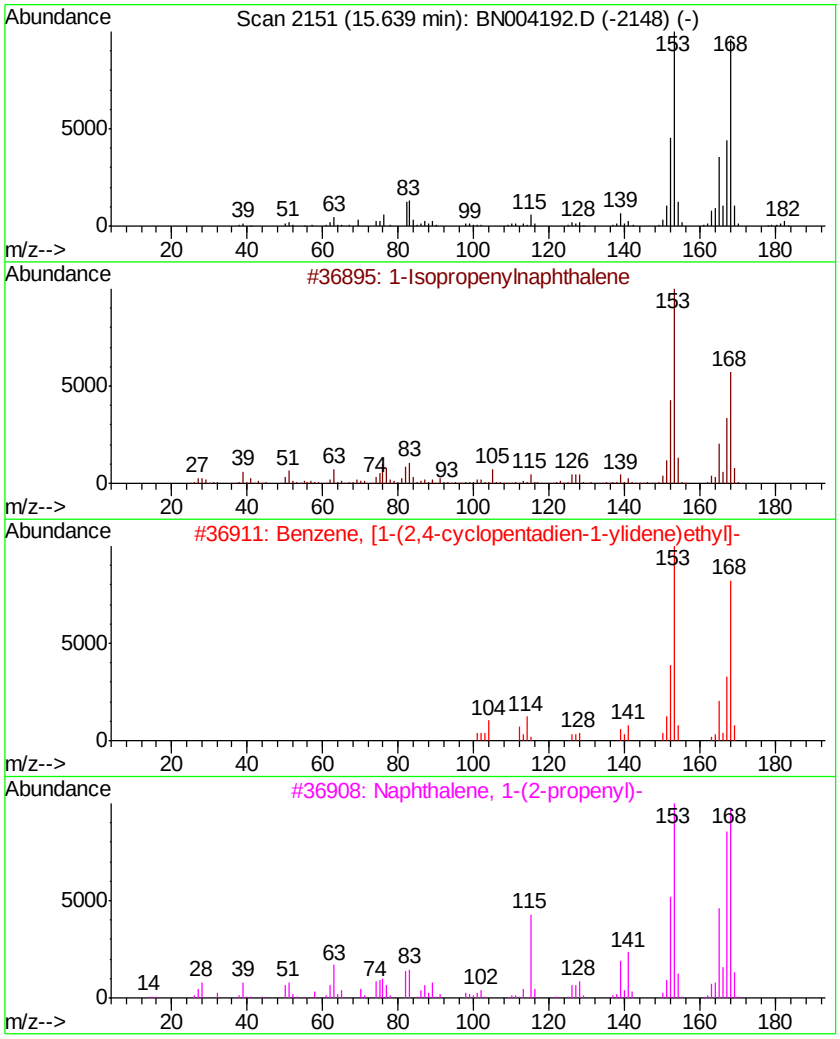
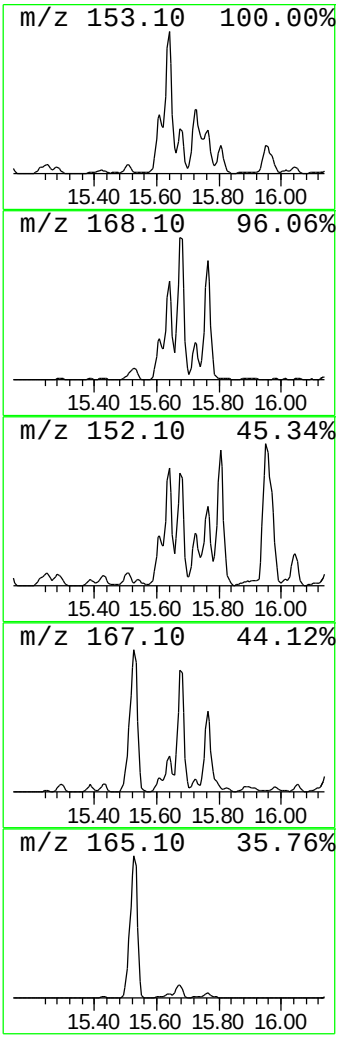
Peak Number 9 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	23.23 ng/ul	643676	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	Diphenylmethane	168	C13H12	000101-81-5	50





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Quant Title : SVOA CALIBRATION

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

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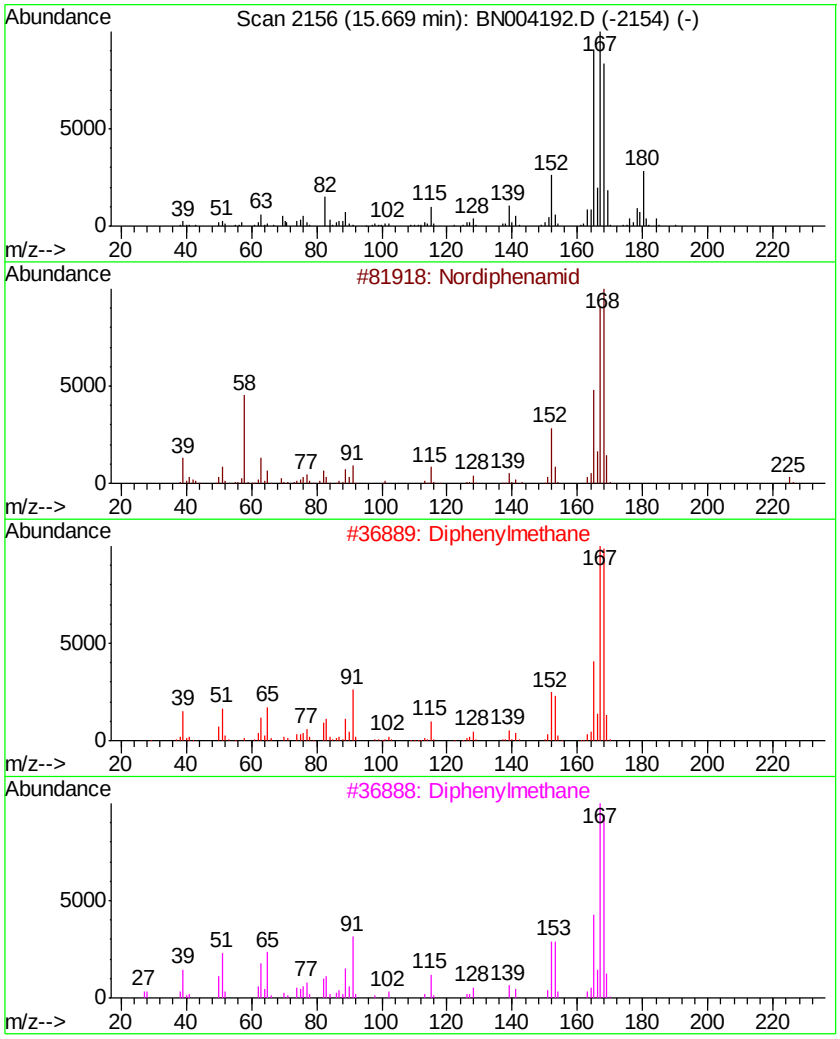
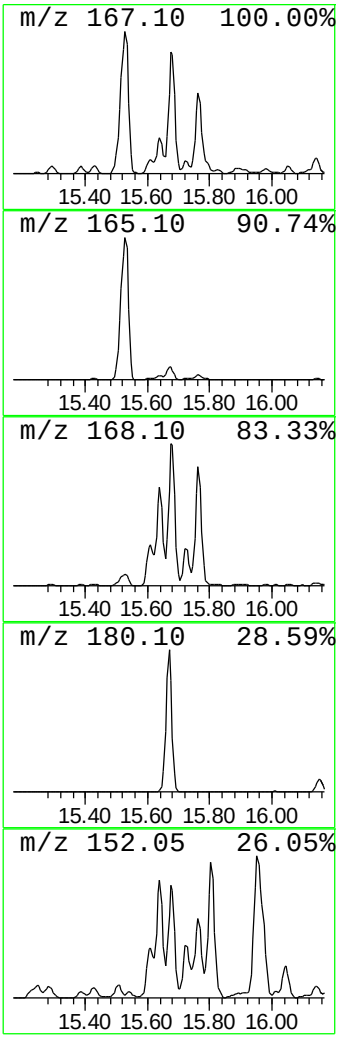
Peak Number 10 Nordiphenamid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	37.05 ng/ul	1026520	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	76
4	Nordiphenamid	225	C15H15NO	000954-21-2	68
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Quant Title : SVOA CALIBRATION

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

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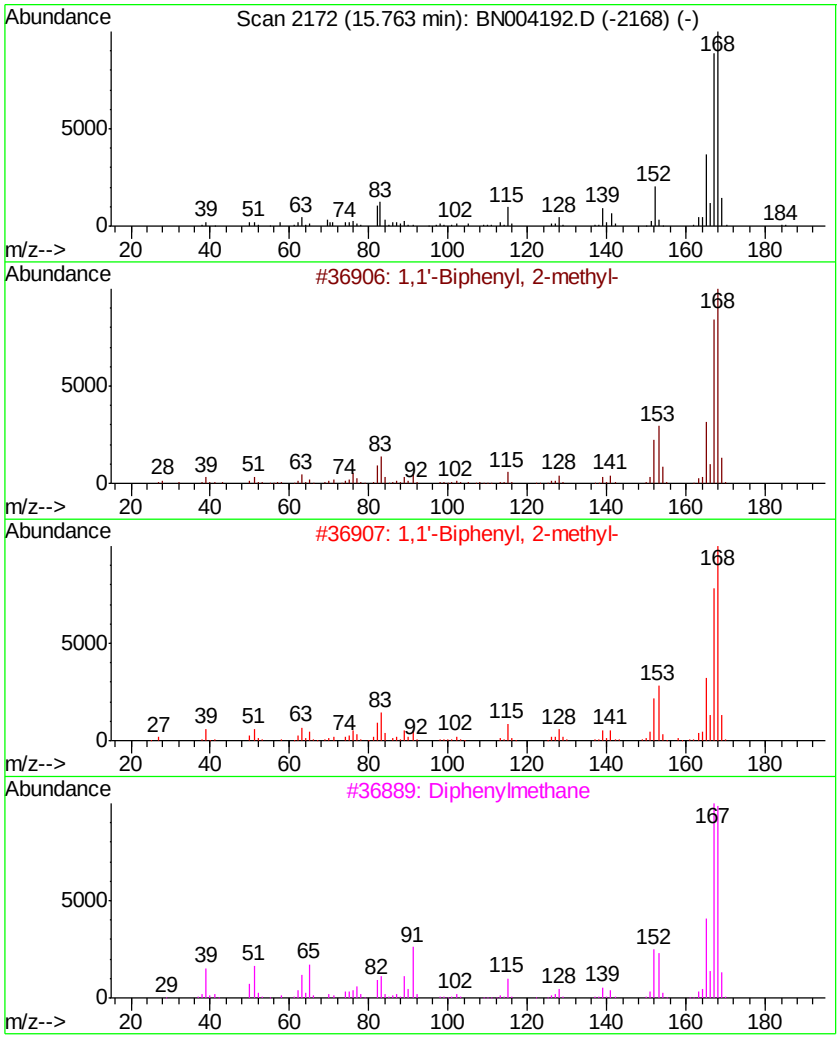
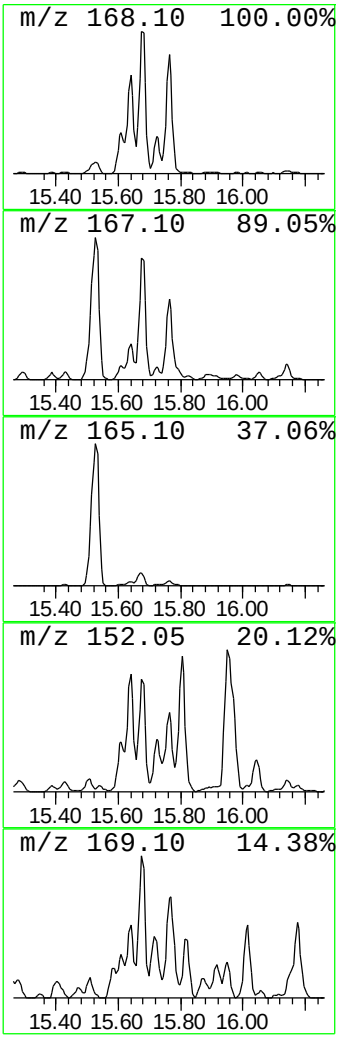
Peak Number 11 1,1'-Biphenyl, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	23.38 ng/ul	647767	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	93
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	93
3	Diphenylmethane	168	C13H12	000101-81-5	91
4	Diphenylmethane	168	C13H12	000101-81-5	87
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87





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Instrument : BNA_N
ClientSampleId : CB532

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Quant Title : SVOA CALIBRATION

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

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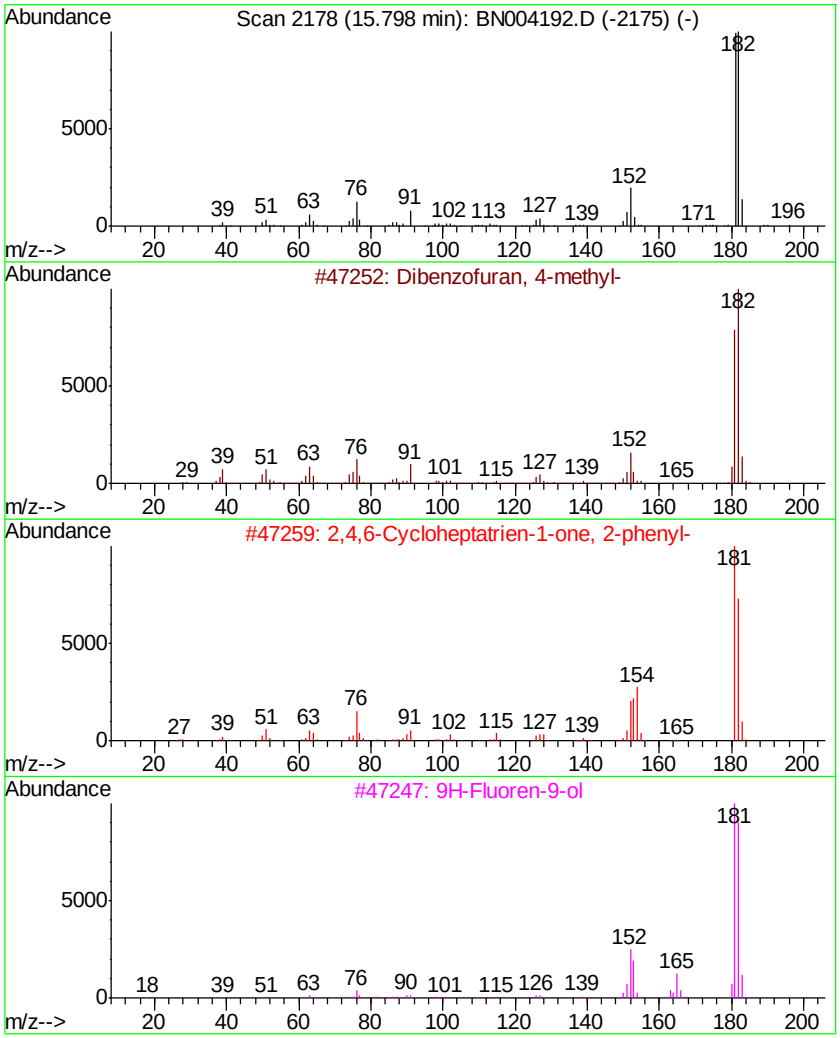
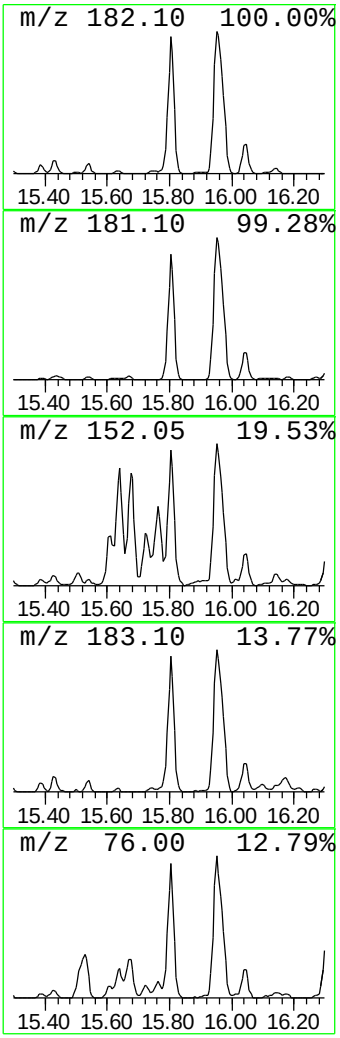
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	37.28 ng/ul	1032890	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Quant Title : SVOA CALIBRATION

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

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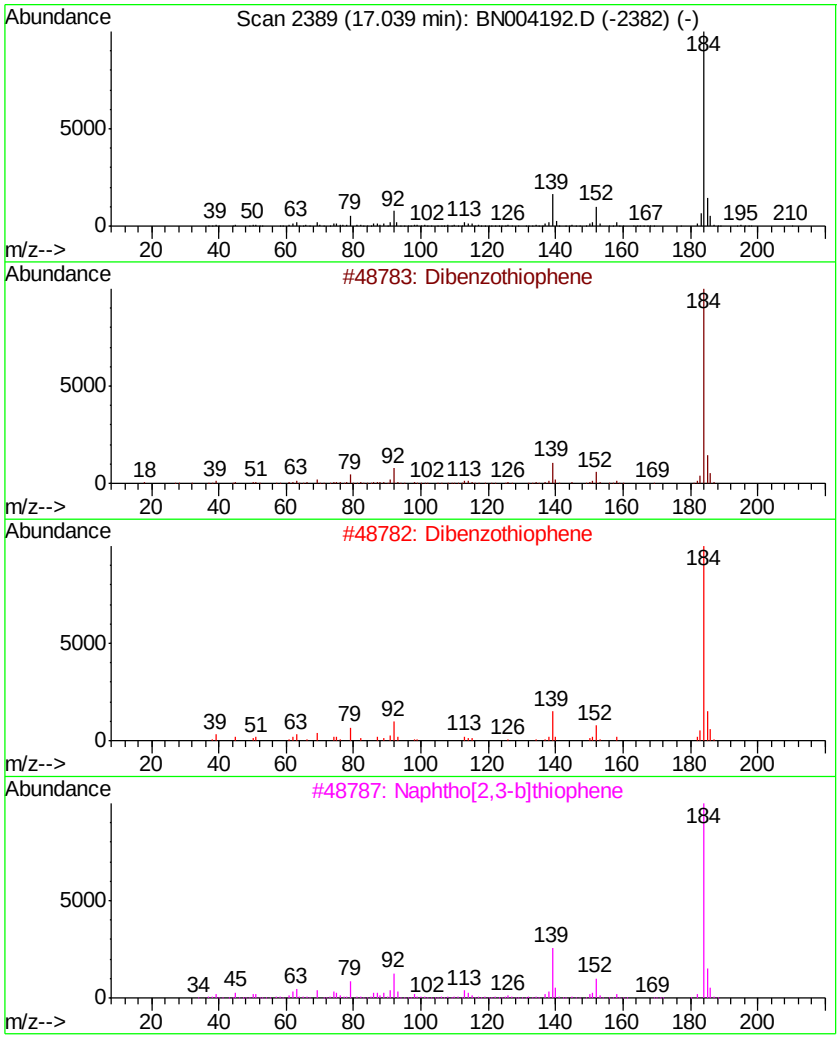
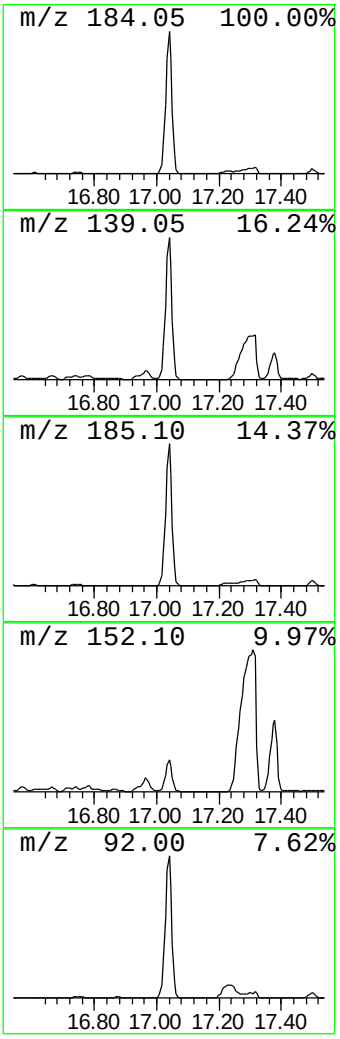
Peak Number 13 Dibenzothiophene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.27 ng/ul	2362570	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Quant Title : SVOA CALIBRATION

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

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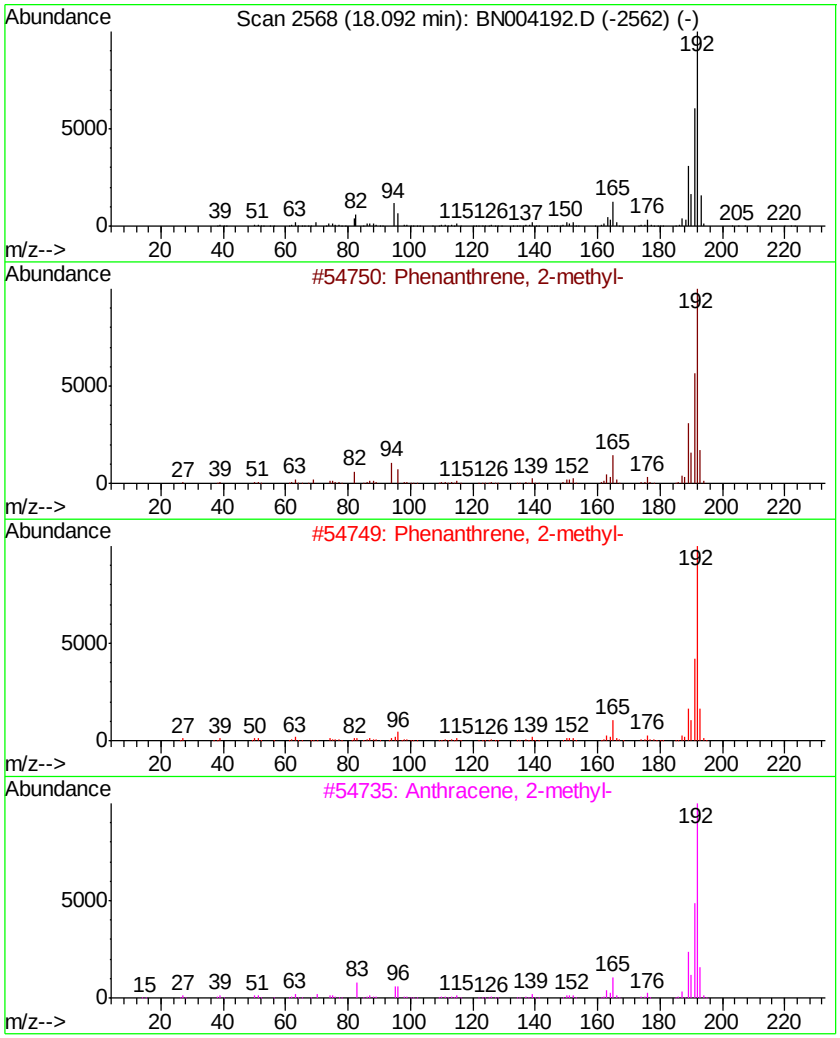
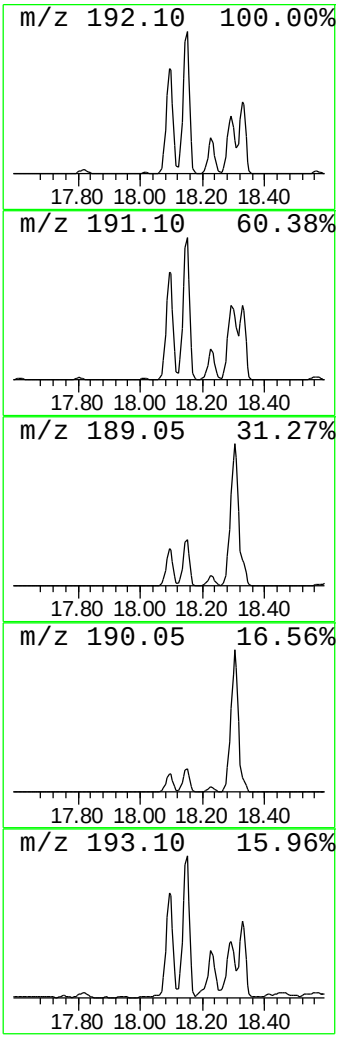
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.98 ng/ul	3104750	Phenanthrene-d10	17.23

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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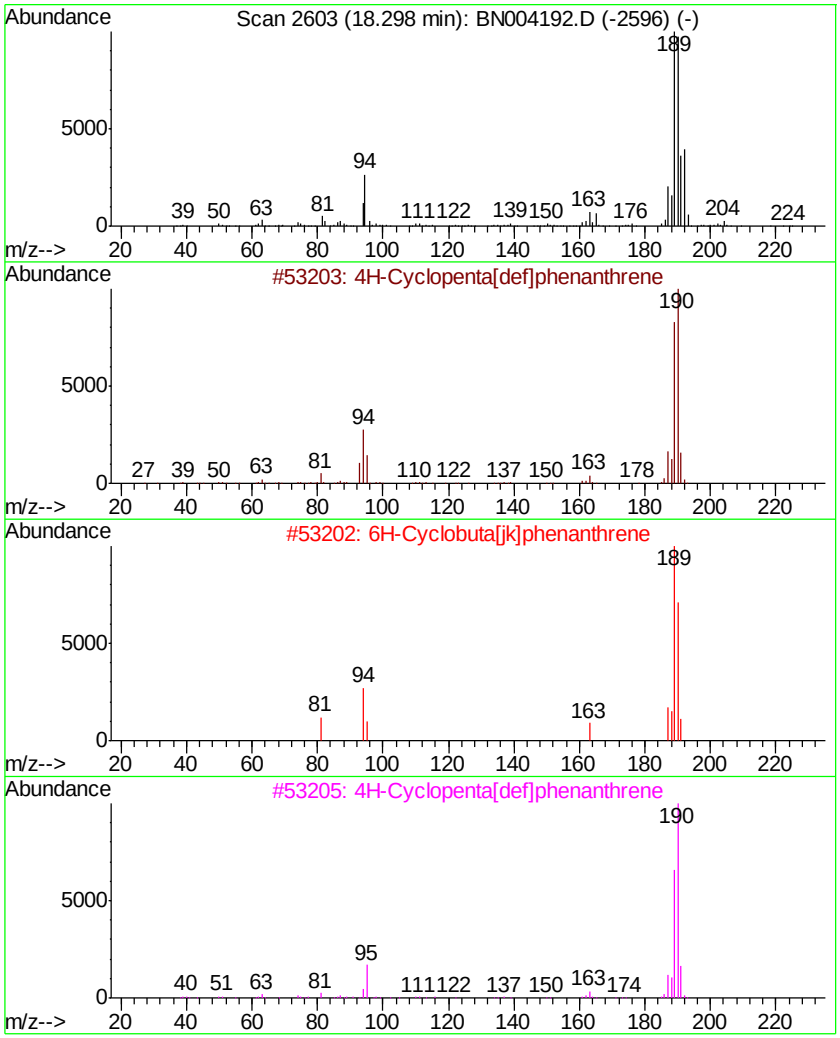
Quant Title : SVOA CALIBRATION

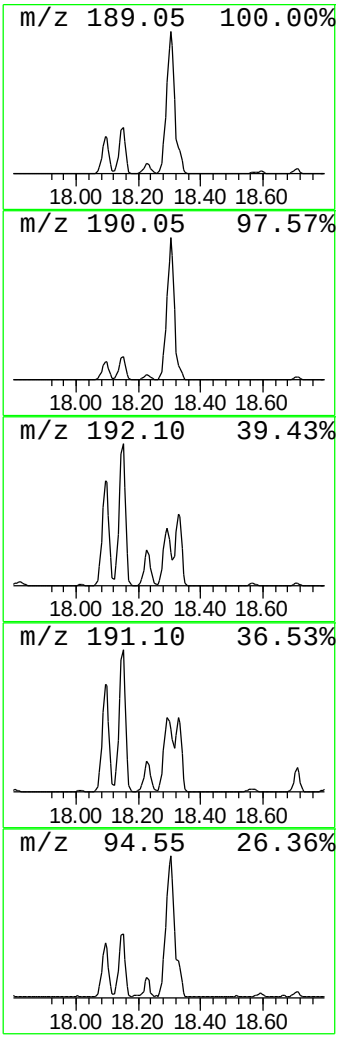
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	5.82 ng/ul	6054600	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	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 17 Naphthalene, 2-phenyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.43 ng/ul	2529270	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	97
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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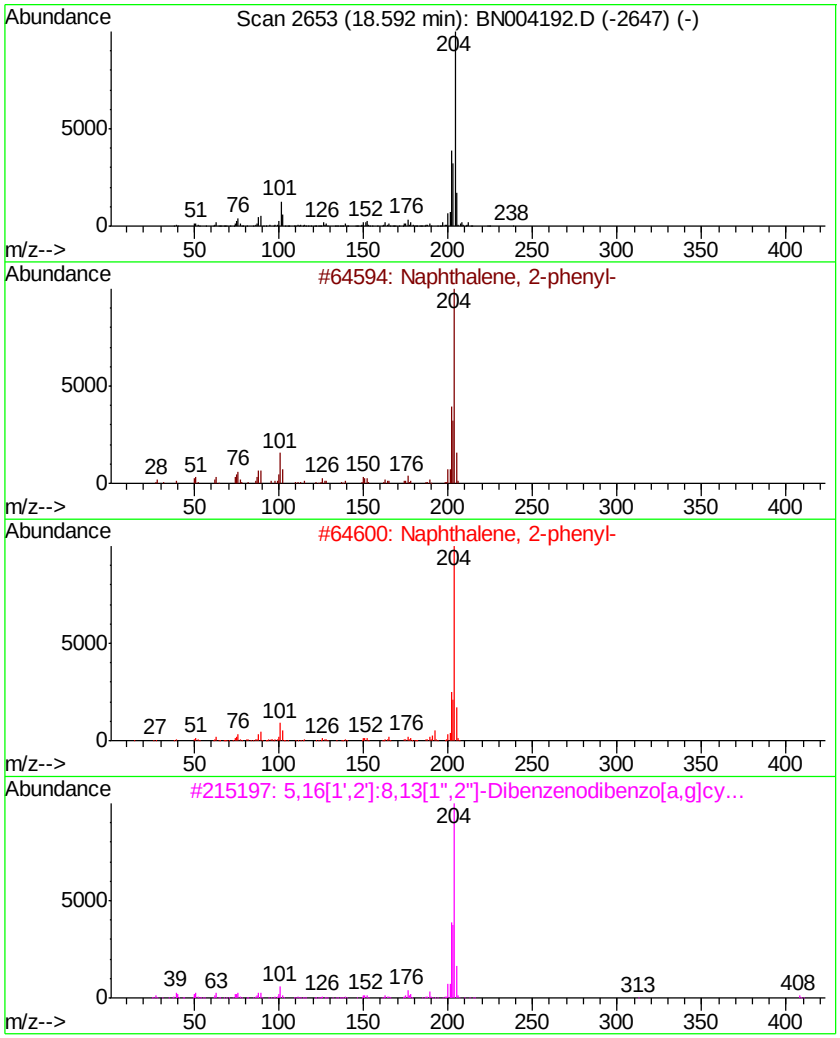

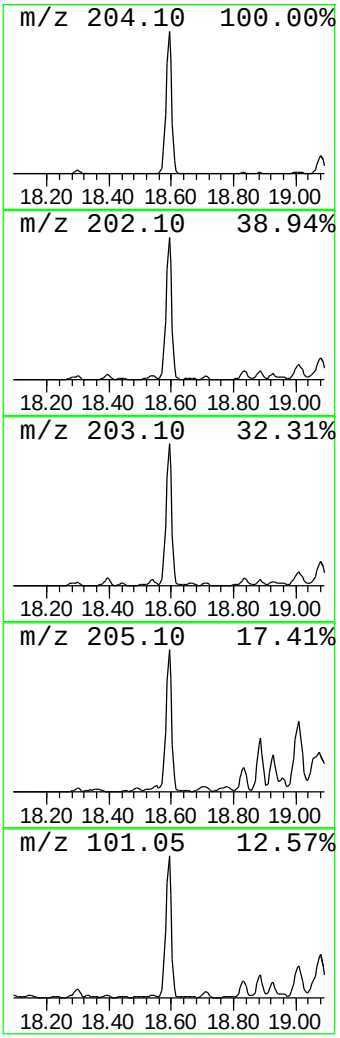

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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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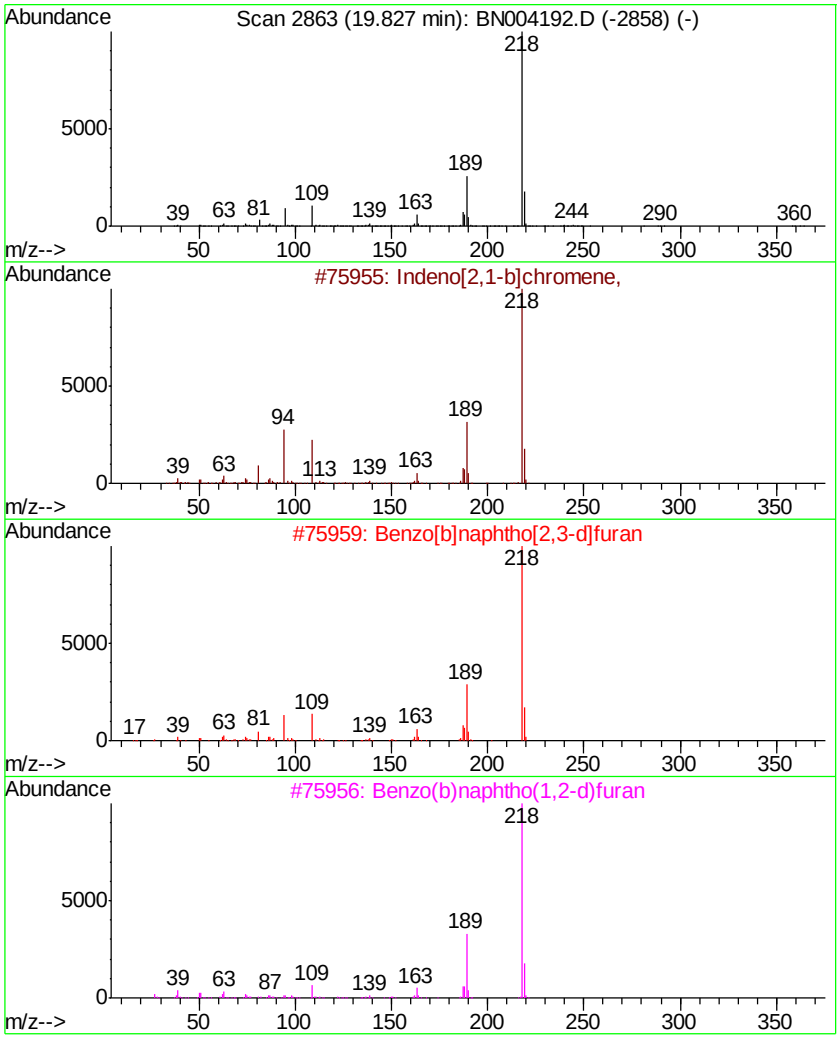
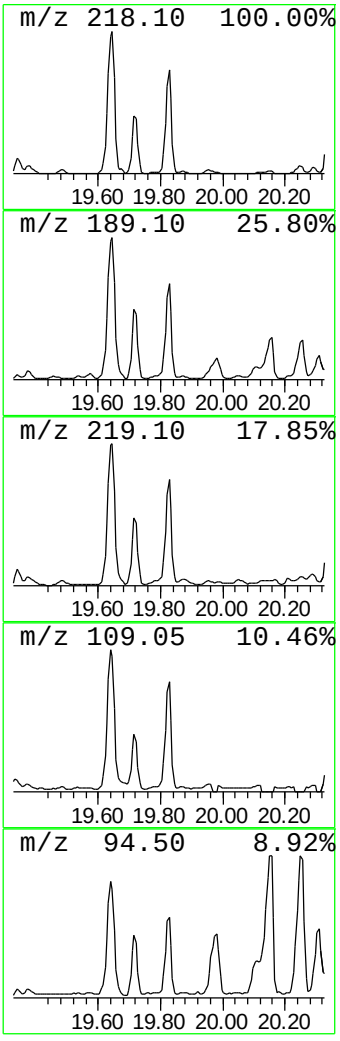
Peak Number 18 Indeno[2,1-b]chromene, Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.60 ng/ul	2088910	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
3	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





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

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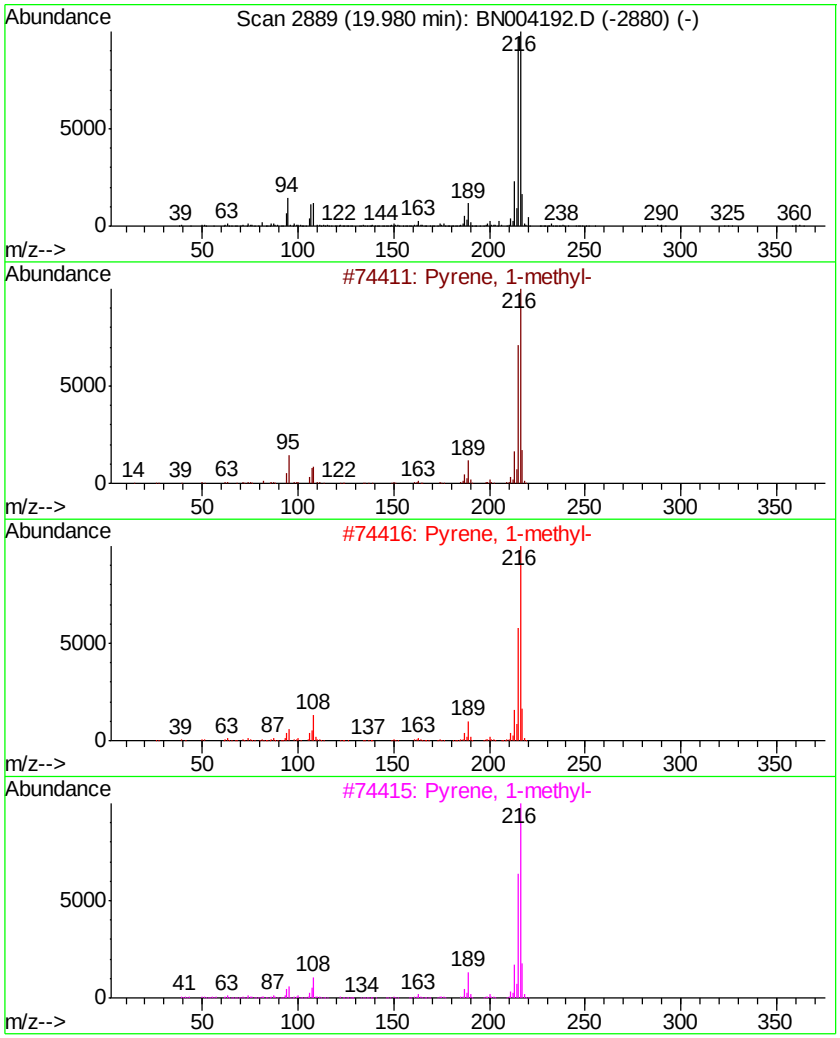
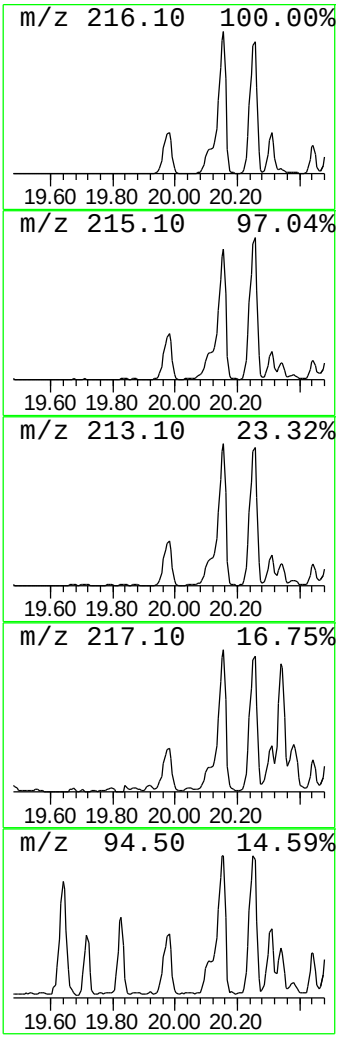
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	4.18 ng/ul	2426630	Chrysene-d12	21.43

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	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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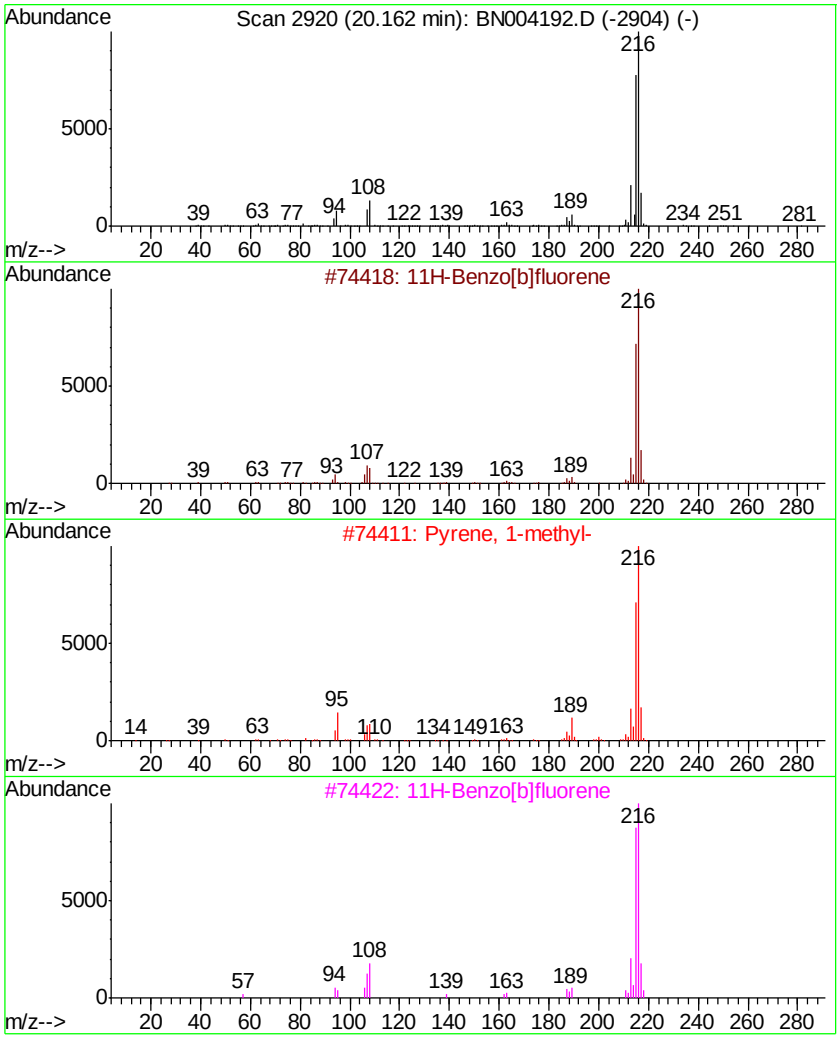
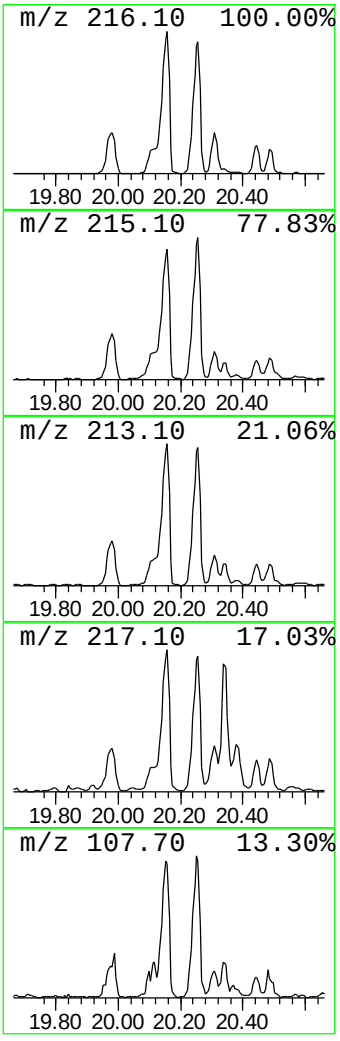
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	13.00 ng/ul	7543770	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : SVOA CALIBRATION

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

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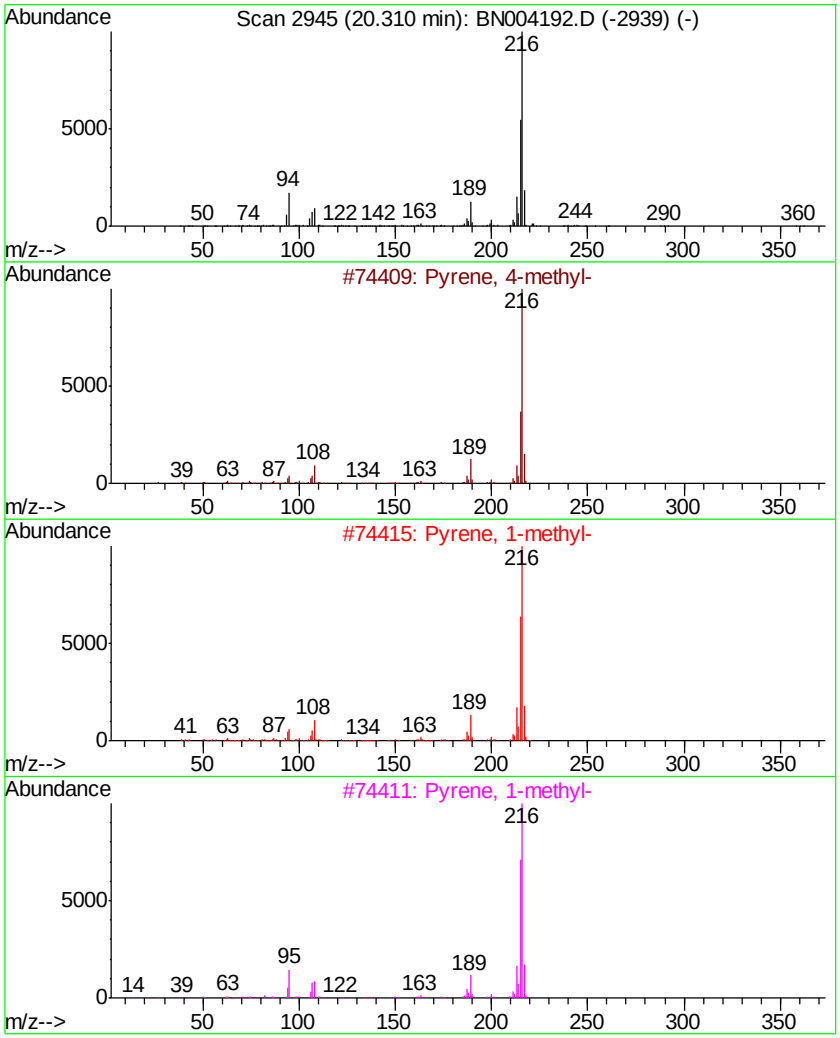
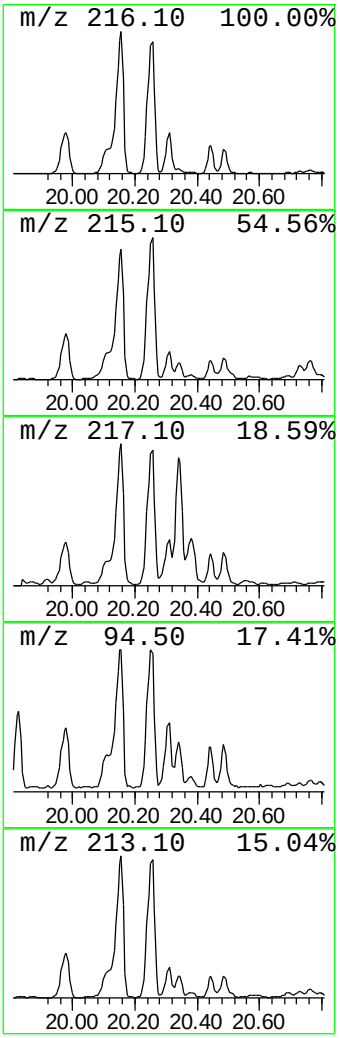
Peak Number 22 Pyrene, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	4.70 ng/ul	2727720	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Acq On : 22 Dec 2018 10:31
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Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

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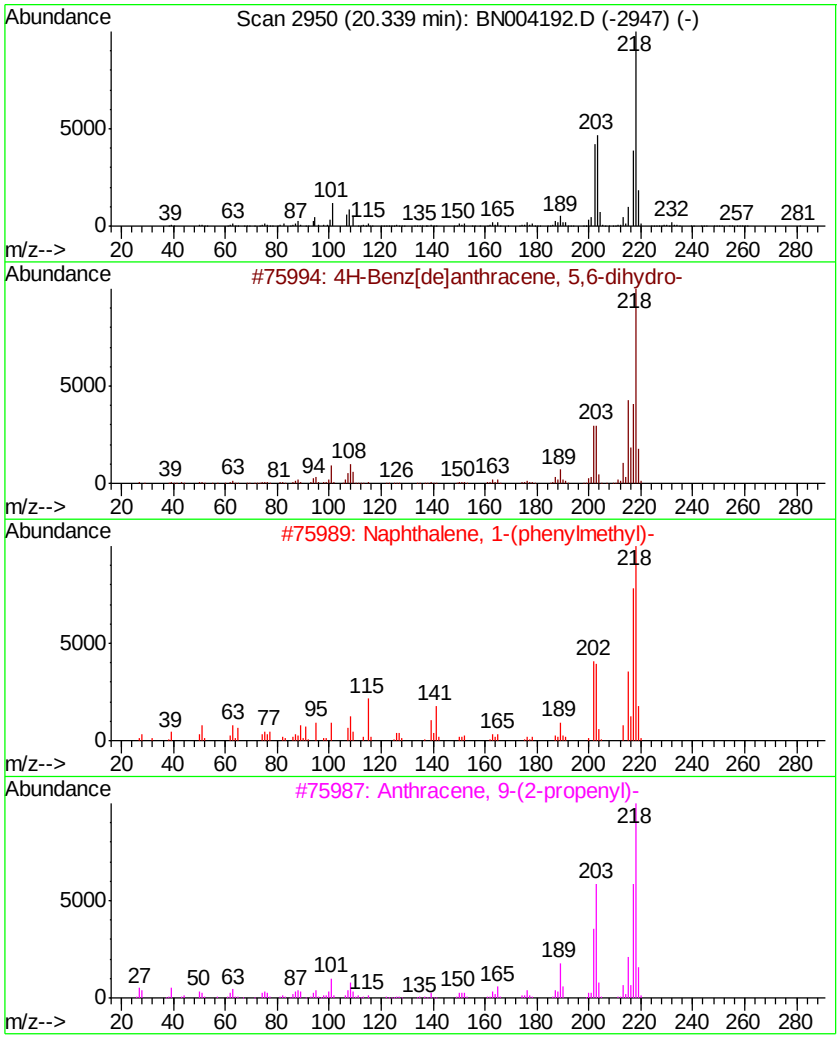
Quant Title : SVOA CALIBRATION

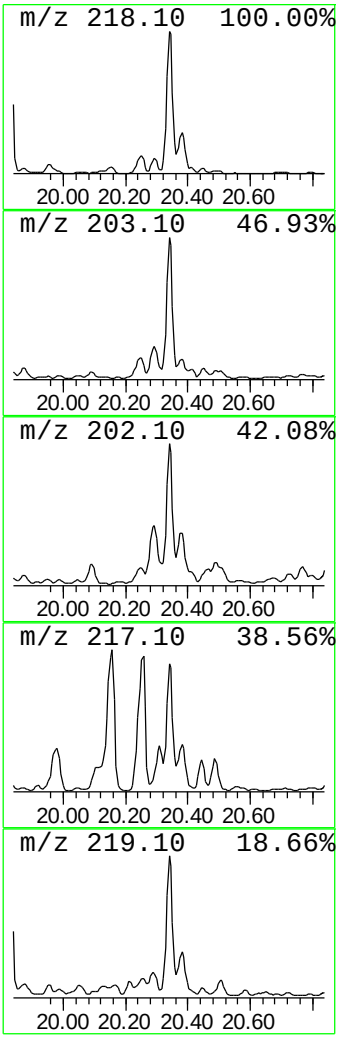
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 4H-Benz[de]anthracene, 5,6-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	4.39 ng/ul	2546560	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	89
2	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	64
3	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	59
4	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	52
5	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	52





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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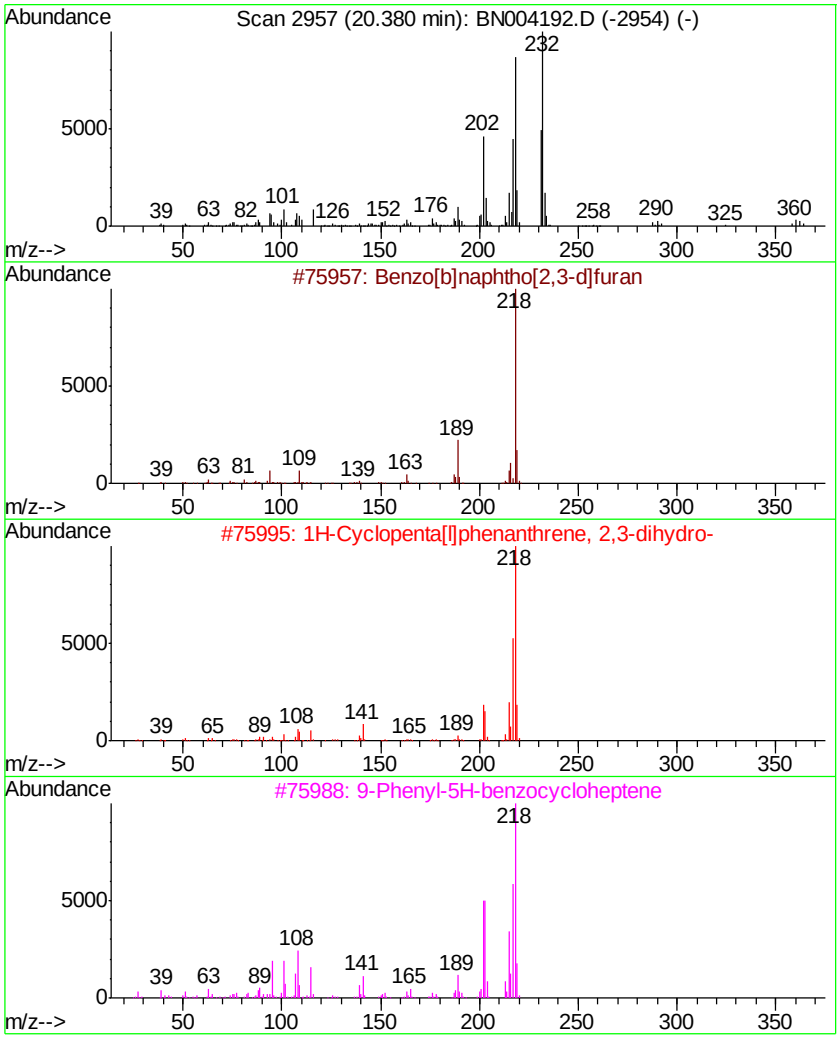
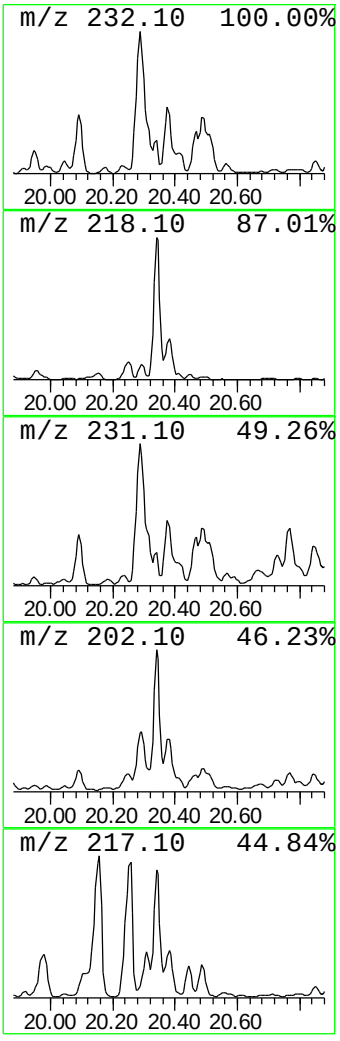
Peak Number 24 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	2.04 ng/ul	1184560	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	48
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	46
3	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	46
4	Phosphine sulfide, methyldiphenyl-	232	C13H13PS	013639-74-2	46
5	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	46





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Quant Title : SVOA CALIBRATION

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

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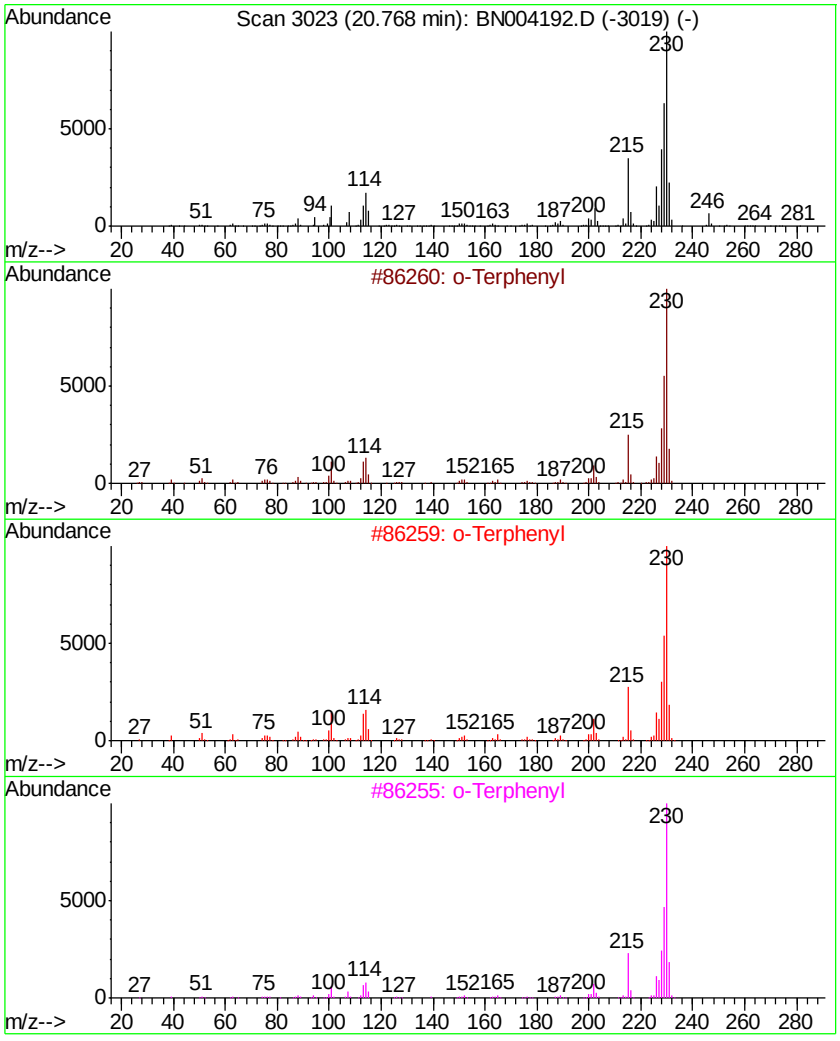
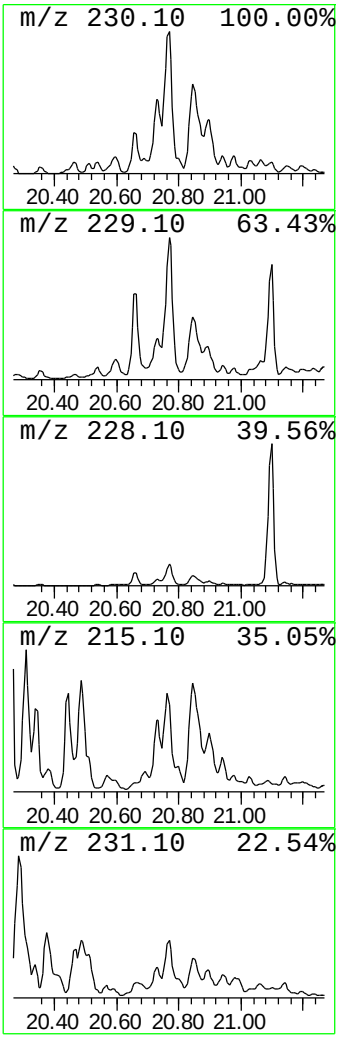
Peak Number 26 o-Terphenyl Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.27 ng/ul	1897980	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	99
2	o-Terphenyl	230	C18H14	000084-15-1	92
3	o-Terphenyl	230	C18H14	000084-15-1	92
4	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	83
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	78





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Quant Title : SVOA CALIBRATION

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

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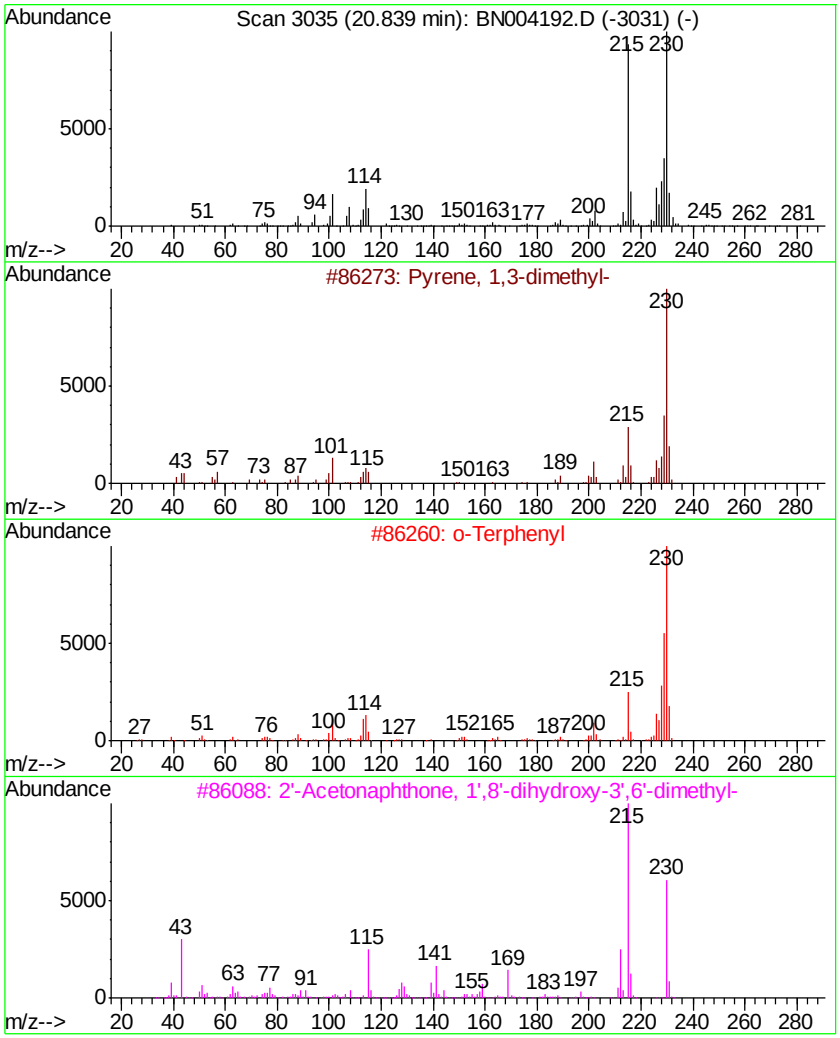
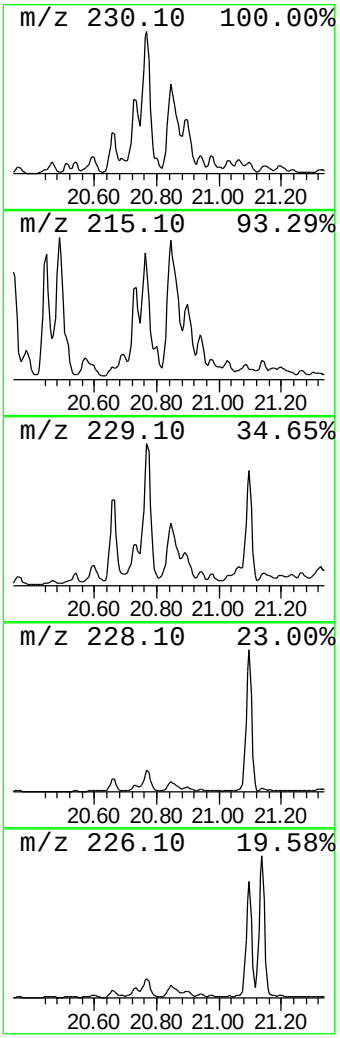
Peak Number 27 Pyrene, 1,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.46 ng/ul	1426800	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	95
2	o-Terphenyl	230	C18H14	000084-15-1	64
3	2'-Acetonaphthone, 1',8'-dihydro...	230	C14H14O3	000838-03-9	50
4	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	49
5	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	46





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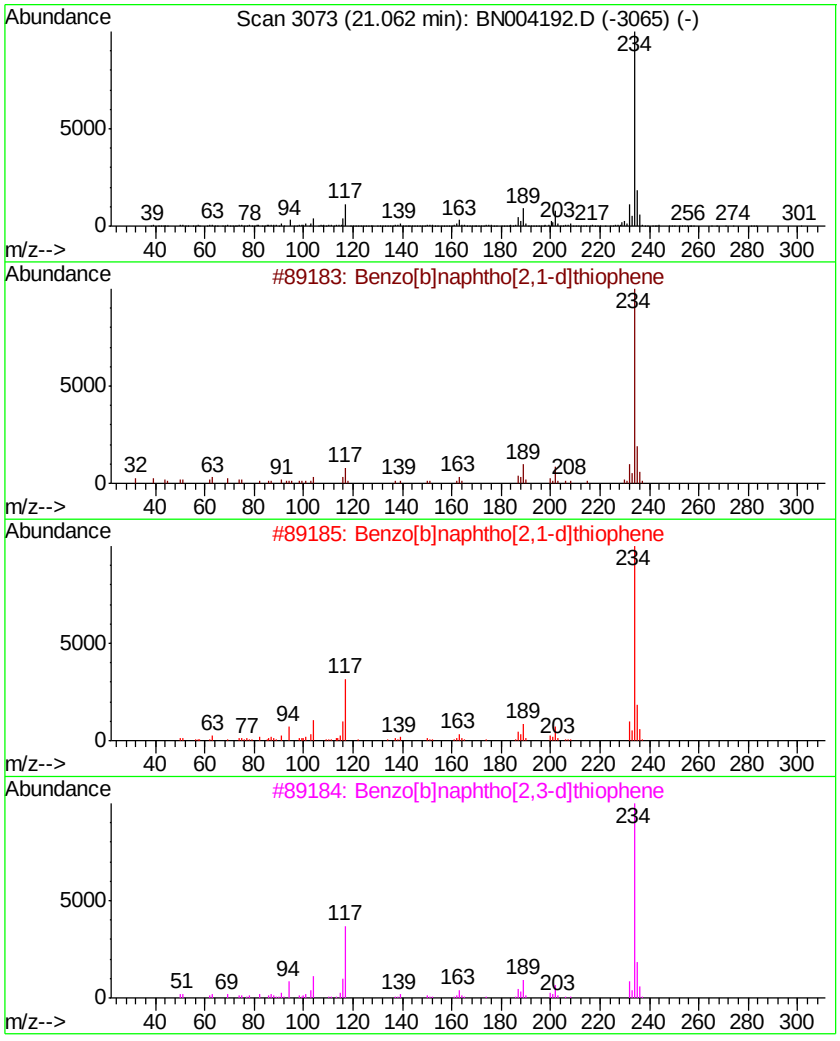
Quant Title : SVOA CALIBRATION

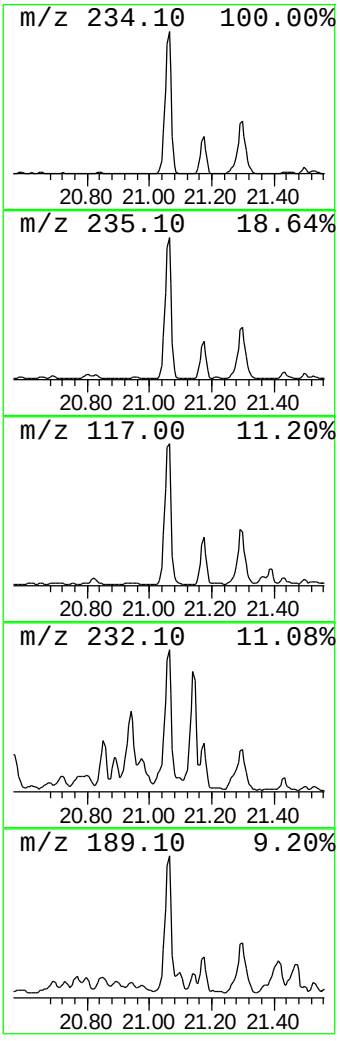
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	4.12 ng/ul	2389930	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95





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ALS Vial : 42 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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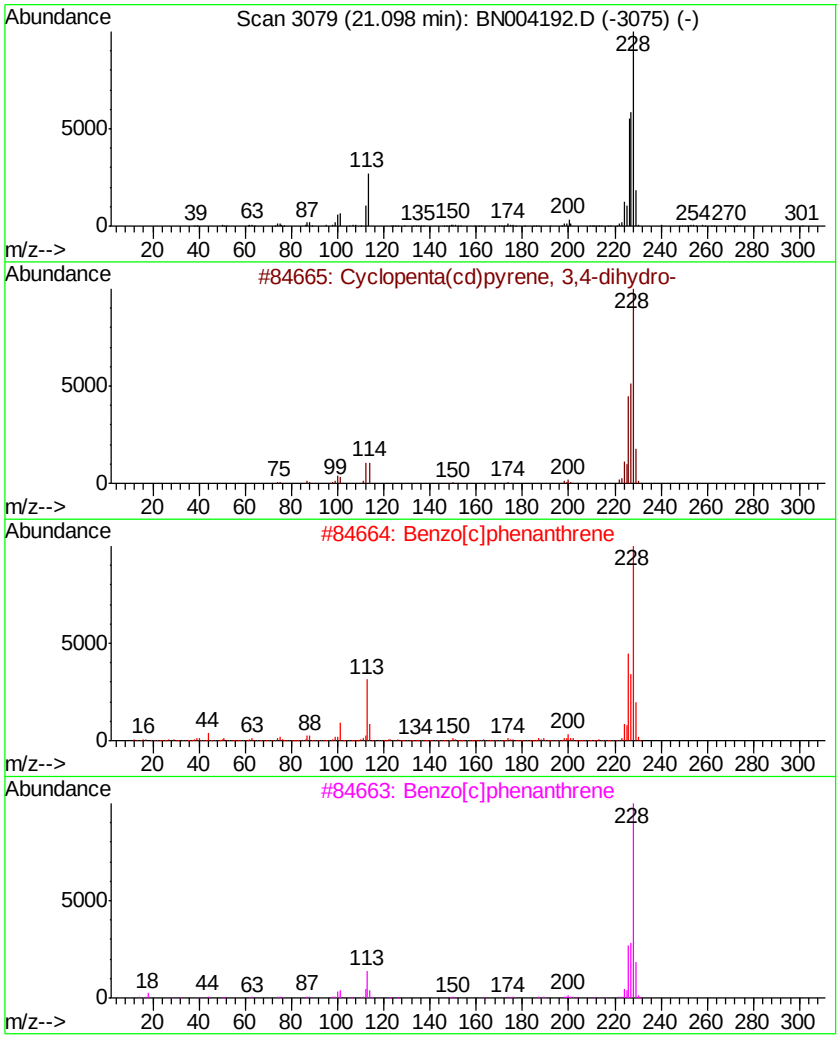
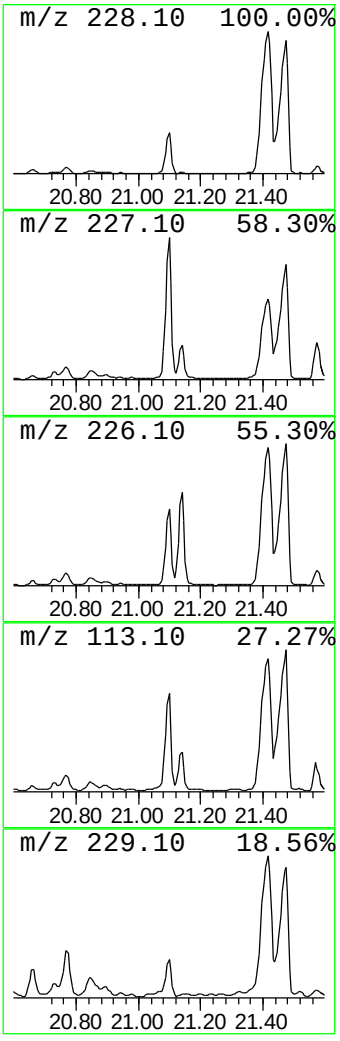
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	4.93 ng/ul	2857910	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	62
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Triphenylene	228	C18H12	000217-59-4	49





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Sample : J6414-08
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Instrument : BNA_N
ClientSampleId : CB532

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Quant Title : SVOA CALIBRATION

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

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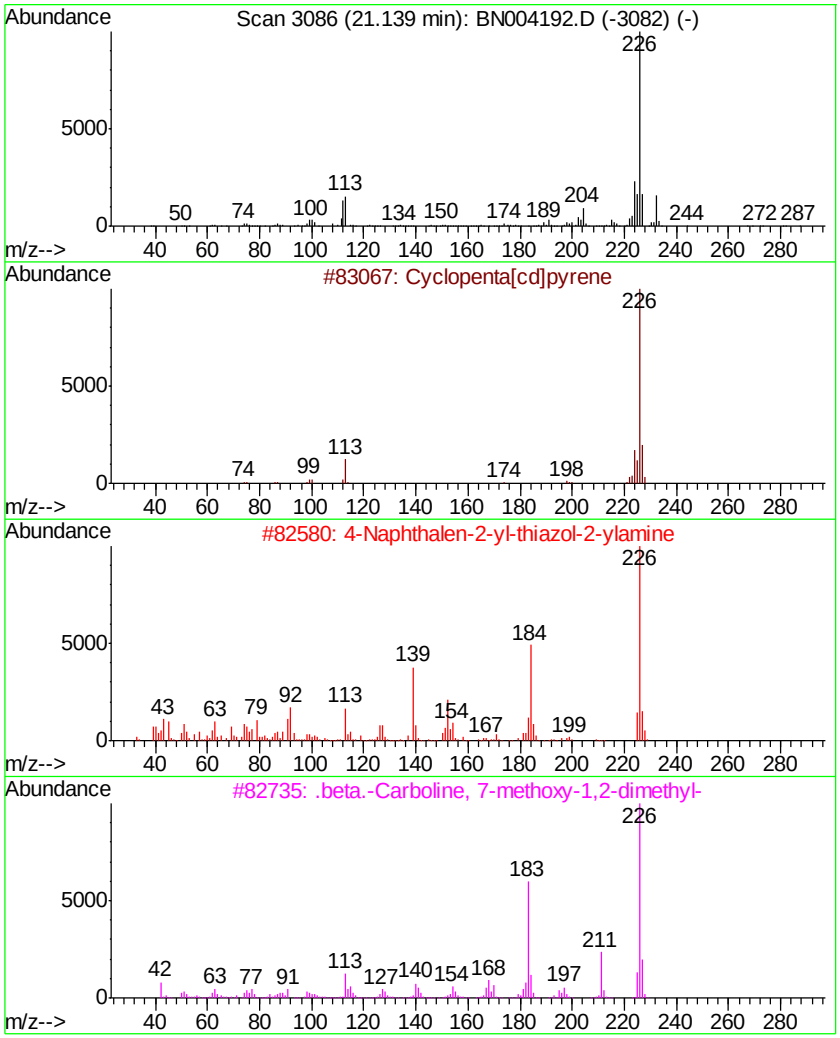
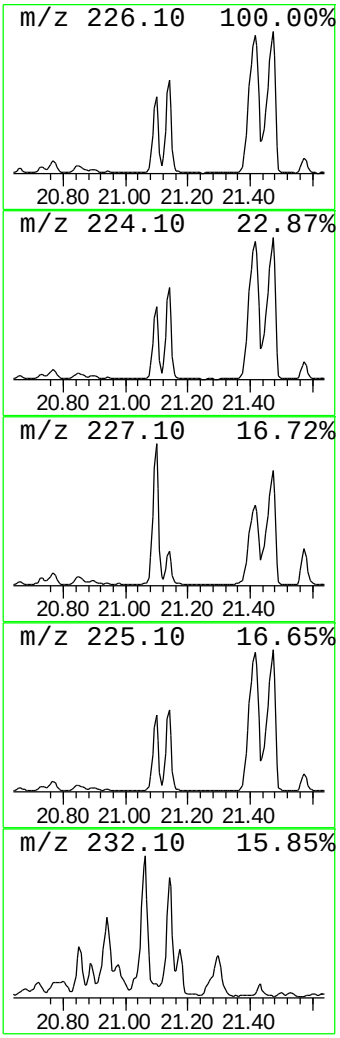
Peak Number 30 Cyclopenta[cd]pyrene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	2.43 ng/ul	1411160	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	50
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	2-Thiazolamine, 4-(1-naphthalenyl)-	226	C13H10N2S	056503-96-9	38
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37





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ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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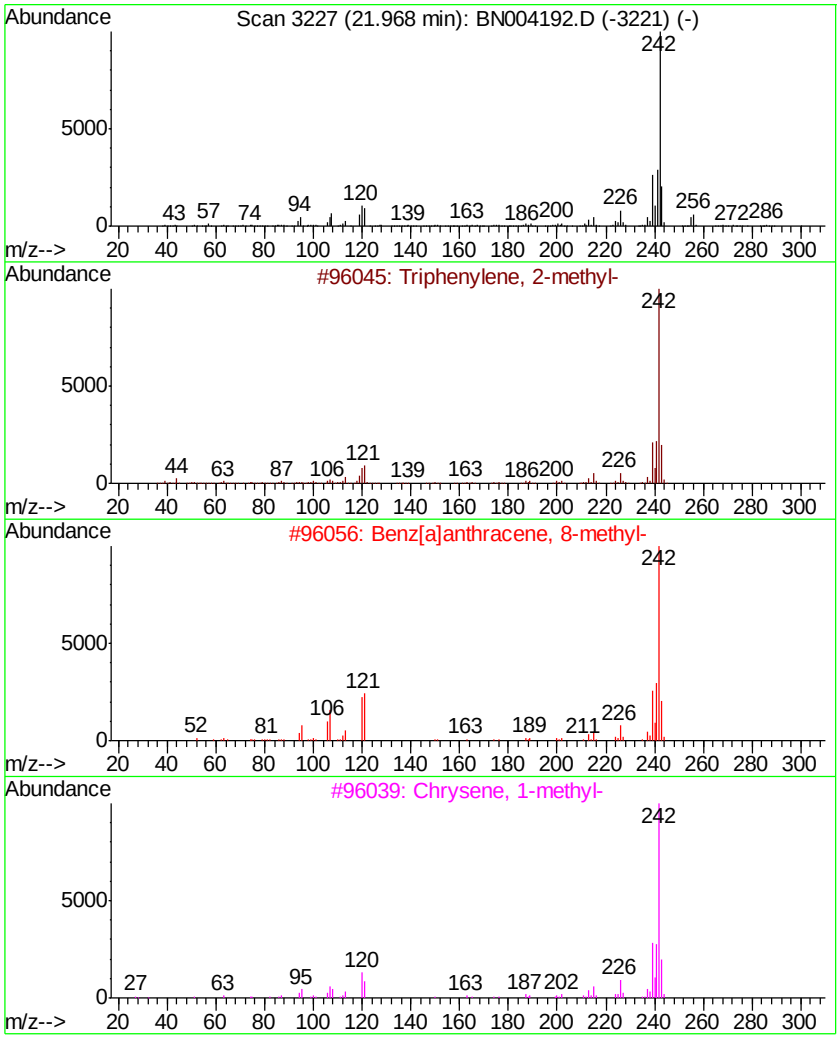
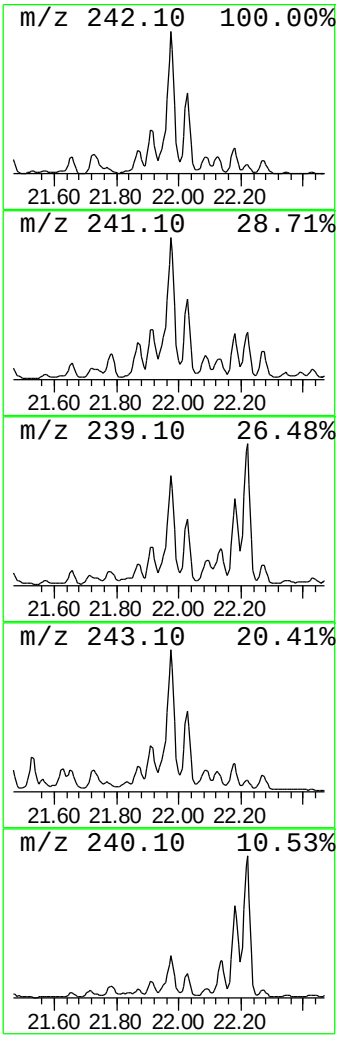
Peak Number 32 Triphenylene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	3.66 ng/ul	2121480	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	97
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94





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Quant Title : SVOA CALIBRATION

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

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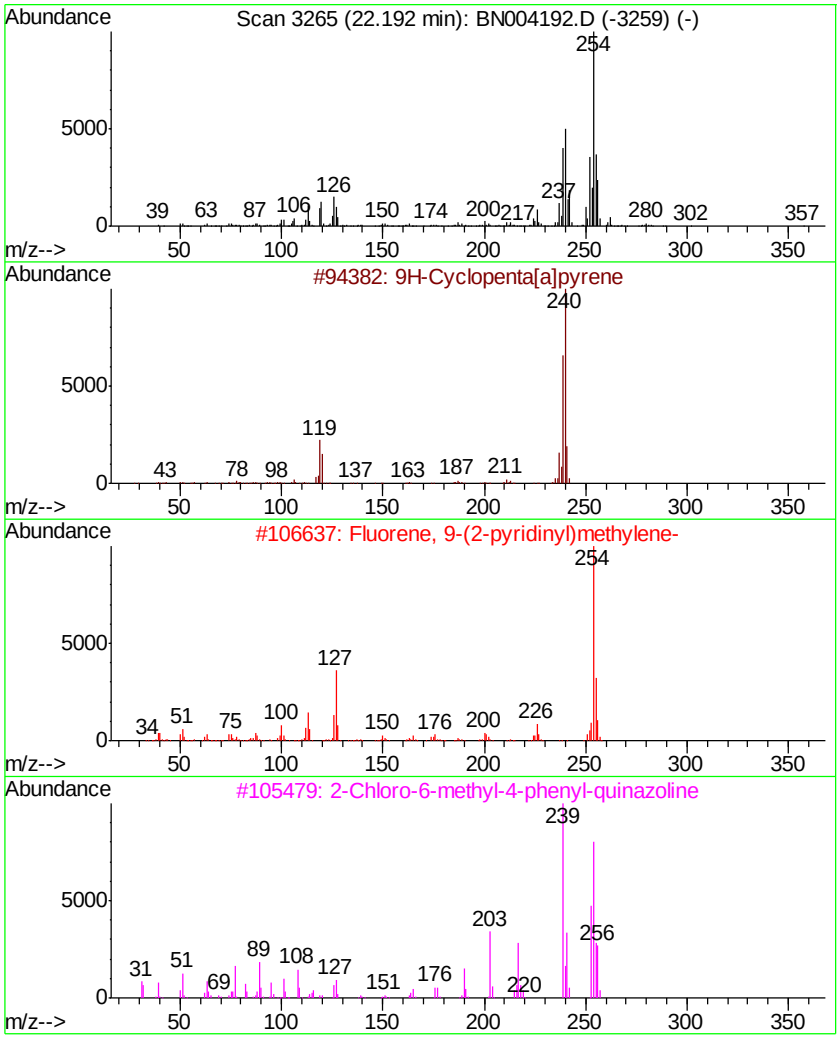
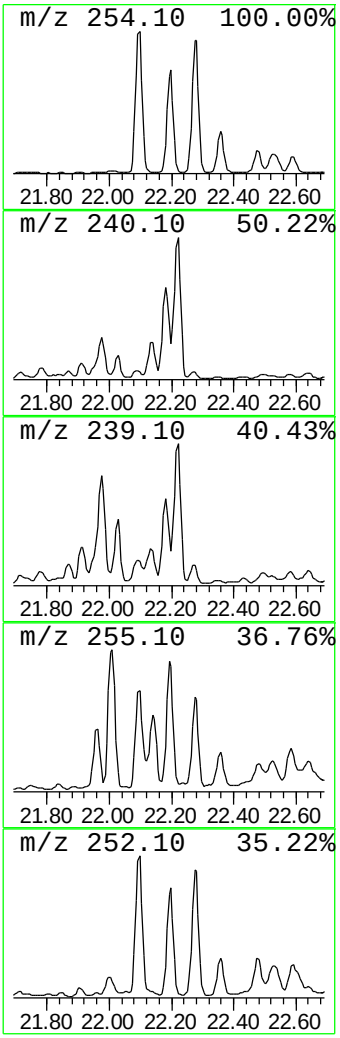
Peak Number 33 9H-Cyclopenta[a]pyrene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.19	2.19 ng/ul	1273080	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	55
2	Fluorene, 9-(2-pyridinyl)methylene-	255	C19H13N	002871-27-4	44
3	2-Chloro-6-methyl-4-phenyl-quina...	254	C15H11ClN2	1000317-62-9	43
4	1,3-Bis(trimethylsiloxy)benzene	254	C12H22O2Si2	004520-29-0	38
5	2-Propen-1-one, 1-(2-hydroxyphen...	240	C15H12O3	013323-66-5	27





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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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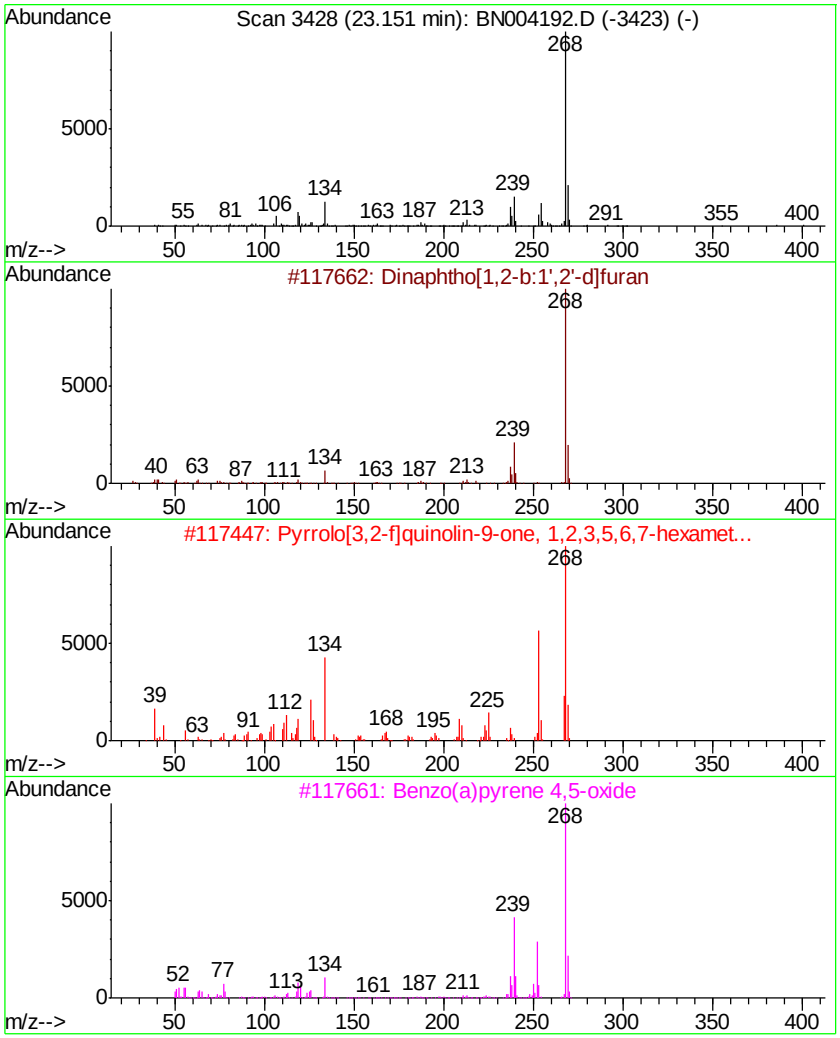
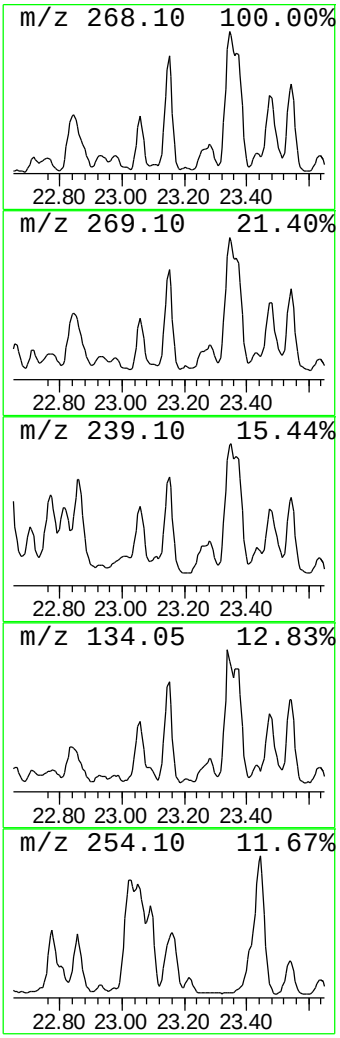
Peak Number 34 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	19.31 ng/ul	355582	Perylene-d12	23.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	80
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	64
5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64





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Quant Title : SVOA CALIBRATION

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

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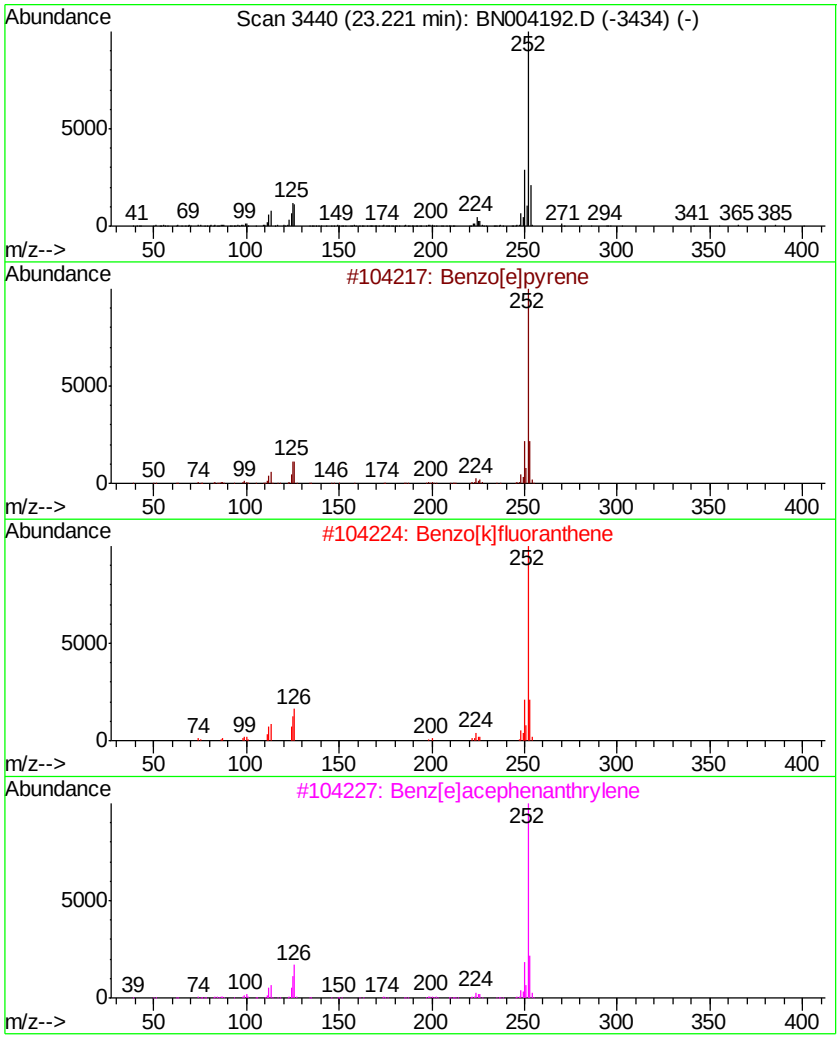
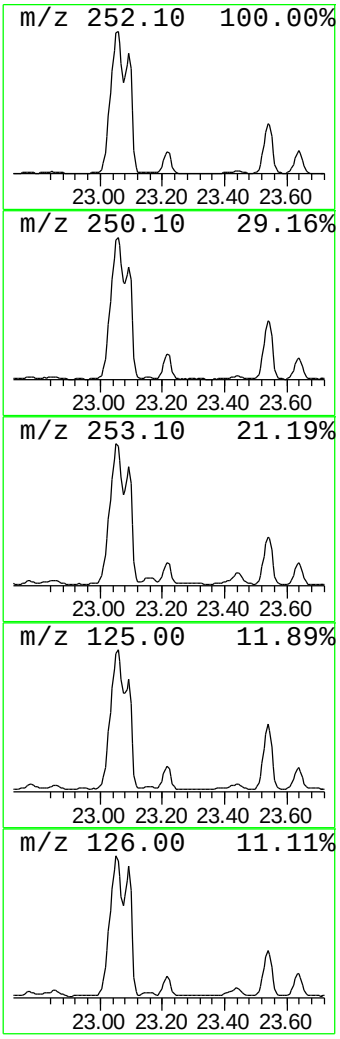
Peak Number 35 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.22	28.89 ng/ul	531933	Perylene-d12	23.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004192.D
Acq On : 22 Dec 2018 10:31
Operator : JU/SJ
Sample : J6414-08
Misc : GC-MS Confirmation
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB532

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.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...	12.50	11.2	ng/ul	818421	2	10.62	1458600	20.0
Naphthalene, 2-et...	13.49	14.3	ng/ul	394753	3	14.46	554175	20.0
Naphthalene, 2,6-...	13.62	12.6	ng/ul	348640	3	14.46	554175	20.0
Naphthalene, 2,3-...	13.78	26.5	ng/ul	734348	3	14.46	554175	20.0
Benzene, [1-(2,4-...	14.77	22.7	ng/ul	628500	3	14.46	554175	20.0
1-Isopropenylnaph...	15.64	23.2	ng/ul	643676	3	14.46	554175	20.0
Nordiphenamid	15.67	37.0	ng/ul	1026520	3	14.46	554175	20.0
1,1'-Biphenyl, 2-...	15.76	23.4	ng/ul	647767	3	14.46	554175	20.0
Dibenzofuran, 4-m...	15.80	37.3	ng/ul	1032890	3	14.46	554175	20.0
Dibenzothiophene	17.04	2.3	ng/ul	2362570	4	17.23	20821400	20.0
Phenanthrene, 2-m...	18.09	3.0	ng/ul	3104750	4	17.23	20821400	20.0
4H-Cyclopenta[def...	18.30	5.8	ng/ul	6054600	4	17.23	20821400	20.0
Naphthalene, 2-ph...	18.59	2.4	ng/ul	2529270	4	17.23	20821400	20.0
Indeno[2,1-b]chro...	19.83	3.6	ng/ul	2088910	5	21.43	11604100	20.0
Pyrene, 1-methyl-	19.98	4.2	ng/ul	2426630	5	21.43	11604100	20.0
11H-Benzo[b]fluorene	20.16	13.0	ng/ul	7543770	5	21.43	11604100	20.0
Pyrene, 4-methyl-	20.31	4.7	ng/ul	2727720	5	21.43	11604100	20.0
4H-Benz[de]anthra...	20.34	4.4	ng/ul	2546560	5	21.43	11604100	20.0
unknown-01	20.38	2.0	ng/ul	1184560	5	21.43	11604100	20.0
o-Terphenyl	20.77	3.3	ng/ul	1897980	5	21.43	11604100	20.0
Pyrene, 1,3-dimet...	20.84	2.5	ng/ul	1426800	5	21.43	11604100	20.0
Benzo[b]naphtho[2...	21.06	4.1	ng/ul	2389930	5	21.43	11604100	20.0
Cyclopenta(cd)pyr...	21.10	4.9	ng/ul	2857910	5	21.43	11604100	20.0
Cyclopenta[cd]pyrene	21.14	2.4	ng/ul	1411160	5	21.43	11604100	20.0
Triphenylene, 2-m...	21.97	3.7	ng/ul	2121480	5	21.43	11604100	20.0
9H-Cyclopenta[a]p...	22.19	2.2	ng/ul	1273080	5	21.43	11604100	20.0
Dinaphtho[1,2-b:1...	23.15	19.3	ng/ul	355582	6	23.74	368252	20.0
Benzo[e]pyrene	23.22	28.9	ng/ul	531933	6	23.74	368252	20.0