LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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	7.822	816	822	830	rBB	108897	166359	1.21%	0.124%
2	10.616	1290	1297	1301	rBV	170622	285409	2.07%	0.212%
3	10.669	1301	1306	1318	rVB	539045	893936	6.49%	0.664%
4	12.281	1573	1580	1588	rBB	436859	677330	4.92%	0.503%
5	12.498	1606	1617	1624	rBB	289029	453351	3.29%	0.337%
6	13.293	1747	1752	1759	rVB	166778	236318	1.72%	0.176%
7	13.487	1779	1785	1794	rVB	123496	204639	1.49%	0.152%
8	13.622	1801	1808	1809	rBV	127150	190591	1.38%	0.142%
9	13.781	1828	1835	1840	rBV	212174	388802	2.82%	0.289%
10	13.834	1840	1844	1851	rVB	153107	219543	1.59%	0.163%
11	14.016	1870	1875	1878	rBV	118853	167997	1.22%	0.125%
12	14.434	1940	1946	1948	rBV	120239	180589	1.31%	0.134%
13	14.463	1948	1951	1956	rVV2	367903	528782	3.84%	0.393%
14	14.534	1956	1963	1969	rVB	1911689	2947109	21.41%	2.189%
15	14.769	1999	2003	2008	rVV	177965	266480	1.94%	0.198%
16	14.863	2012	2019	2025	rVV	1148234	1753372	12.74%	1.303%
17	15.522	2123	2131	2139	rVV	2240156	3378256	24.54%	2.510%
18	15.634	2147	2150	2153	rVV	222965	333875	2.43%	0.248%
19	15.669	2153	2156	2161	rVV2	373086	566364	4.11%	0.421%
20	15.722	2161	2165	2168	rVV2	92382	155366	1.13%	0.115%
21	15.763	2168	2172	2175	rVV	217648	339385	2.47%	0.252%
22	15.804	2175	2179	2186	rVB	358809	526243	3.82%	0.391%
23	15.951	2198	2204	2211	rBV	410191	754877	5.48%	0.561%
24	16.151	2232	2238	2249	rVB4	116401	221684	1.61%	0.165%
25	16.304	2259	2264	2269	rVB	306001	413758	3.01%	0.307%
26	16.510	2288	2299	2304	rBV2	390409	844889	6.14%	0.628%
27	16.563	2304	2308	2313	rBV2	170737	241073	1.75%	0.179%
28	16.663	2318	2325	2329	rVB2	174671	293463	2.13%	0.218%
29	16.963	2372	2376	2382	rVB2	371118	595697	4.33%	0.443%
30	17.034	2382	2388	2396	rVB	866509	1312640	9.54%	0.975%
31	17.222	2413	2420	2421	rBV	284097	413526	3.00%	0.307%
32	17.292	2421	2432	2436	rVV	5486222	13600975	98.80%	10.104%
33	17.363	2437	2444	2449	rBV	2565720	3732333	27.11%	2.773%
34	17.728	2501	2506	2510	rBV	206048	282684	2.05%	0.210%

LSC Area Percent Report

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Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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	17.792	2512	2517	2526	rVB2	197410	387431	2.81%	0.288%
36	17.928	2535	2540	2549	rVB	157065	332781	2.42%	0.247%
37	18.086	2561	2567	2572	rVV	1139411	1781689	12.94%	1.324%
38	18.139	2572	2576	2581	rVV	1548209	2117971	15.39%	1.573%
39	18.222	2581	2590	2595	rVV	386959	624030	4.53%	0.464%
40	18.292	2595	2602	2606	rVV3	1856001	3645593	26.48%	2.708%
41	18.322	2606	2607	2612	rVV	755807	669051	4.86%	0.497%
42	18.586	2646	2652	2658	rBV	962536	1327616	9.64%	0.986%
43	18.704	2668	2672	2676	rBV	122713	153448	1.11%	0.114%
44	18.828	2685	2693	2698	rBV2	286613	433687	3.15%	0.322%
45	18.880	2698	2702	2705	rBV	307864	362616	2.63%	0.269%
46	18.922	2705	2709	2713	rVB	184760	239395	1.74%	0.178%
47	19.004	2717	2723	2728	rBV	497995	821816	5.97%	0.611%
48	19.075	2728	2735	2737	rBV2	250307	487042	3.54%	0.362%
49	19.151	2743	2748	2750	rBV2	146471	264590	1.92%	0.197%
50	19.310	2763	2775	2778	rBV	5528229	13426704	97.54%	9.974%
51	19.333	2778	2779	2782	rVV	196815	187112	1.36%	0.139%
52	19.369	2782	2785	2789	rVV2	159863	241167	1.75%	0.179%
53	19.522	2806	2811	2815	rBV	458650	637655	4.63%	0.474%
54	19.669	2823	2836	2840	rVV3	4797934	13765604	100.00%	10.226%
55	19.710	2840	2843	2848	rVB	650851	808412	5.87%	0.601%
56	19.822	2857	2862	2866	rVV	799840	1119123	8.13%	0.831%
57	19.975	2880	2888	2893	rBV	715174	1387870	10.08%	1.031%
58	20.145	2903	2917	2921	rVB	2291048	4214731	30.62%	3.131%
59	20.245	2925	2934	2937	rBV	2497445	3774701	27.42%	2.804%
60	20.298	2937	2943	2946	rVV3	730343	1556773	11.31%	1.157%
61	20.333	2946	2949	2952	rVV	986718	1206250	8.76%	0.896%
62	20.369	2952	2955	2963	rVV2	340198	608894	4.42%	0.452%
63	20.433	2963	2966	2970	rVV	395507	582960	4.23%	0.433%
64	20.480	2970	2974	2982	rVB3	564429	987539	7.17%	0.734%
65	20.657	3000	3004	3007	rBV	330264	425989	3.09%	0.316%
66	20.722	3011	3015	3018	rVV2	326752	533717	3.88%	0.396%
67	20.763	3018	3022	3026	rVV2	505609	909766	6.61%	0.676%
68	20.839	3030	3035	3040	rVV2	451502	865912	6.29%	0.643%
69	20.886	3040	3043	3049	rVV2	250030	454199	3.30%	0.337%
70	21.051	3064	3071	3074	rBV	958823	1403251	10.19%	1.042%
71	21.086	3074	3077	3081	rVV	1094126	1583796	11.51%	1.177%

LSC Area Percent Report

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Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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	21.133	3081	3085	3088	rVV	649113	833202	6.05%	0.619%
73	21.169	3088	3091	3099	rVB	316125	407426	2.96%	0.303%
74	21.292	3104	3112	3118	rBV	366298	754976	5.48%	0.561%
75	21.404	3122	3131	3135	rVV	3852224	7392222	53.70%	5.492%
76	21.463	3135	3141	3147	rVB	3916347	6279218	45.62%	4.665%
77	21.522	3147	3151	3154	rVB2	205376	260879	1.90%	0.194%
78	21.563	3154	3158	3163	rBV2	384353	541064	3.93%	0.402%
79	21.610	3163	3166	3170	rBV2	109900	190783	1.39%	0.142%
80	21.863	3206	3209	3213	rVB	125270	155045	1.13%	0.115%
81	21.910	3213	3217	3220	rBV	194059	279897	2.03%	0.208%
82	21.969	3220	3227	3231	rVV	745117	1260213	9.15%	0.936%
83	22.022	3232	3236	3240	rVB2	432923	642082	4.66%	0.477%
84	22.086	3243	3247	3251	rBV2	267631	389592	2.83%	0.289%
85	22.174	3258	3262	3266	rBV2	394627	817912	5.94%	0.608%
86	22.210	3266	3268	3273	rVV	461937	619960	4.50%	0.461%
87	22.269	3274	3278	3287	rVB2	365039	578120	4.20%	0.429%
88	22.480	3310	3314	3318	rBV2	98813	212785	1.55%	0.158%
89	23.045	3401	3410	3414	rBV	1640548	4145110	30.11%	3.079%
90	23.080	3414	3416	3422	rVB	1217418	1600001	11.62%	1.189%
91	23.145	3423	3427	3432	rBV	116194	200124	1.45%	0.149%
92	23.210	3434	3438	3443	rVB	263419	403597	2.93%	0.300%
93	23.339	3456	3460	3463	rBV3	116668	216107	1.57%	0.161%
94	23.533	3487	3493	3501	rVB2	736868	1401185	10.18%	1.041%
95	23.633	3504	3510	3516	rVV	288532	531028	3.86%	0.394%
96	23.733	3522	3527	3531	rBV	207913	346134	2.51%	0.257%
97	24.004	3567	3573	3577	rBV	158146	354469	2.58%	0.263%
98	26.098	3920	3929	3940	rVB	351561	1086563	7.89%	0.807%
99	26.368	3968	3975	3983	rBV	140503	370925	2.69%	0.276%
100	26.827	4046	4053	4072	rVB	114062	441140	3.20%	0.328%

Sum of corrected areas: 134610335

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
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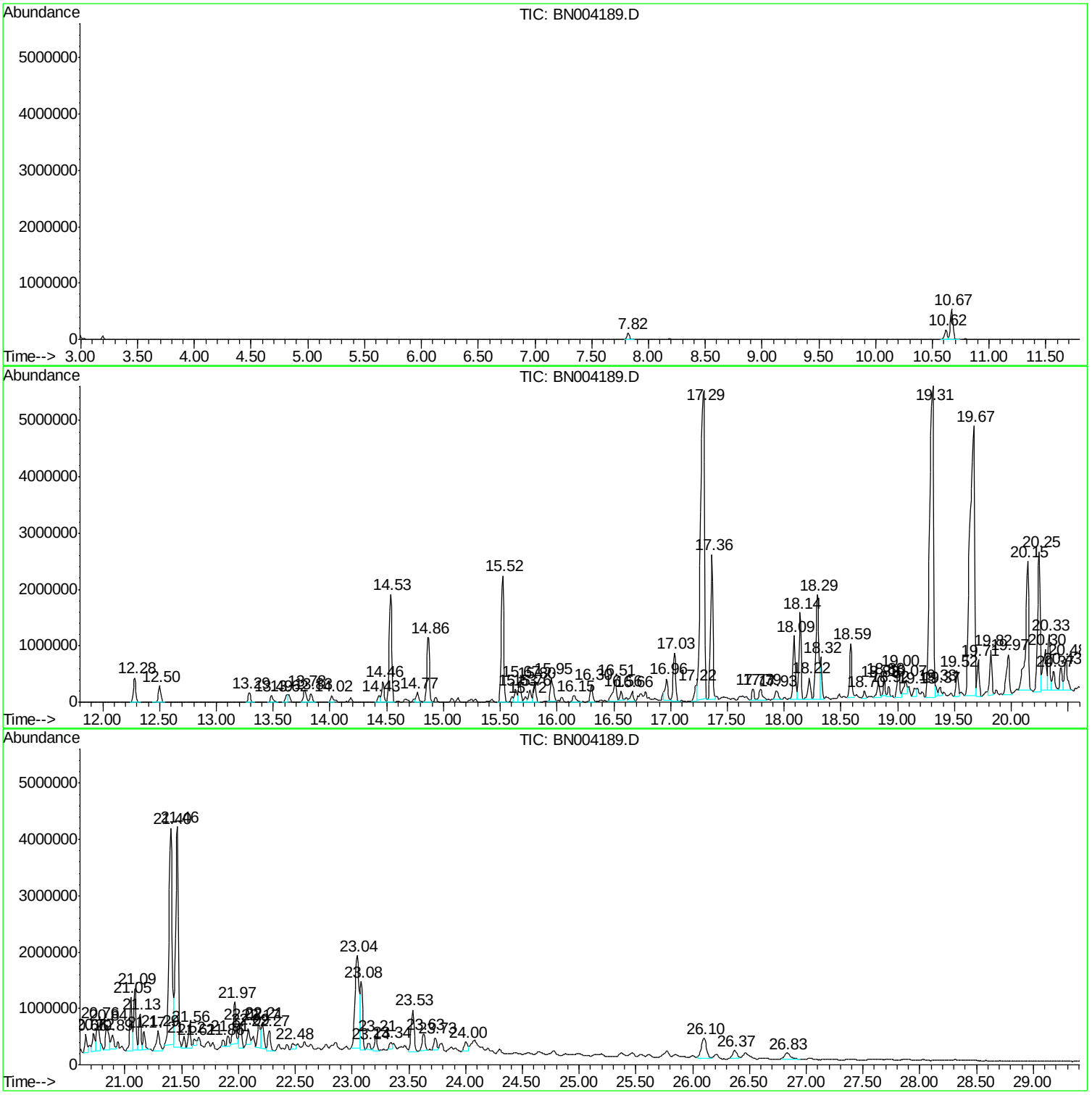
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB567

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 : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

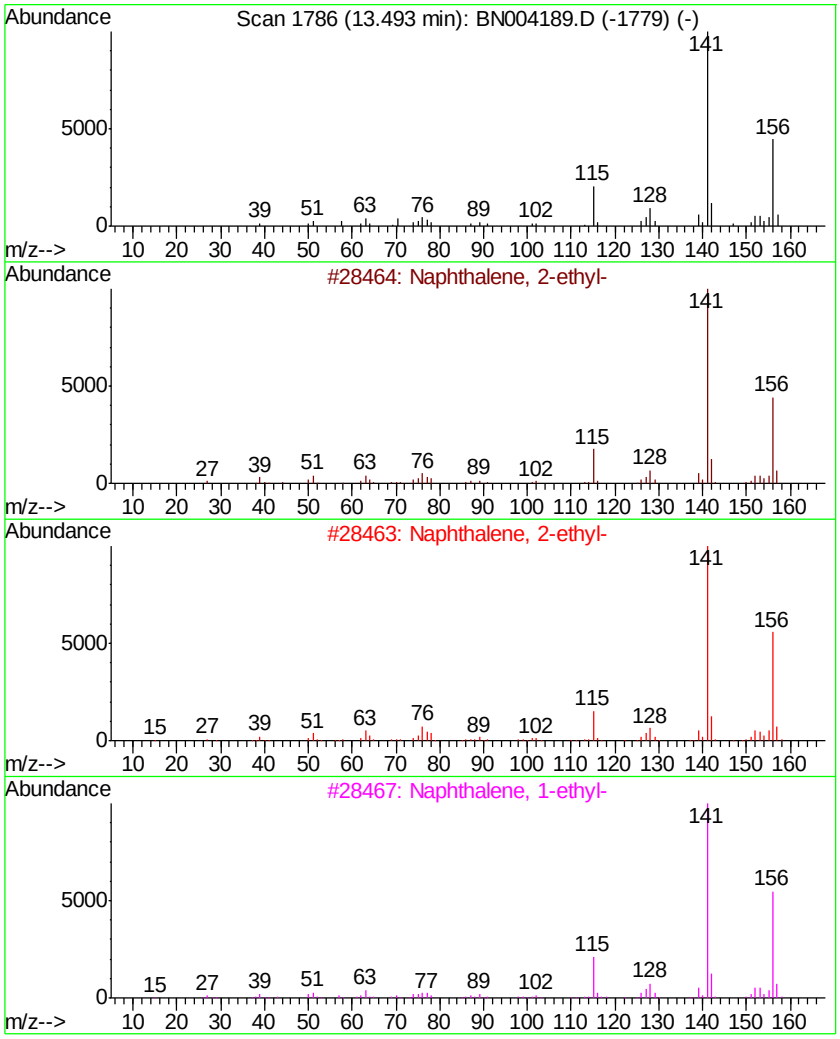
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

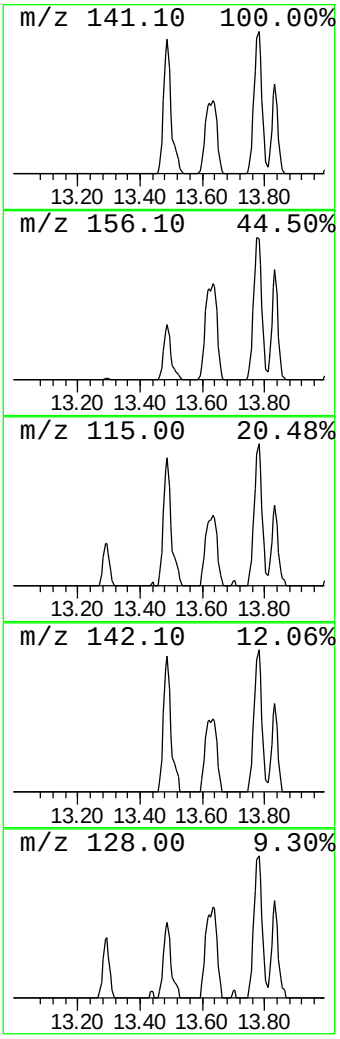
****

Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	7.74 ng/ul	204639	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
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, 1-ethyl-	156	C12H12	001127-76-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

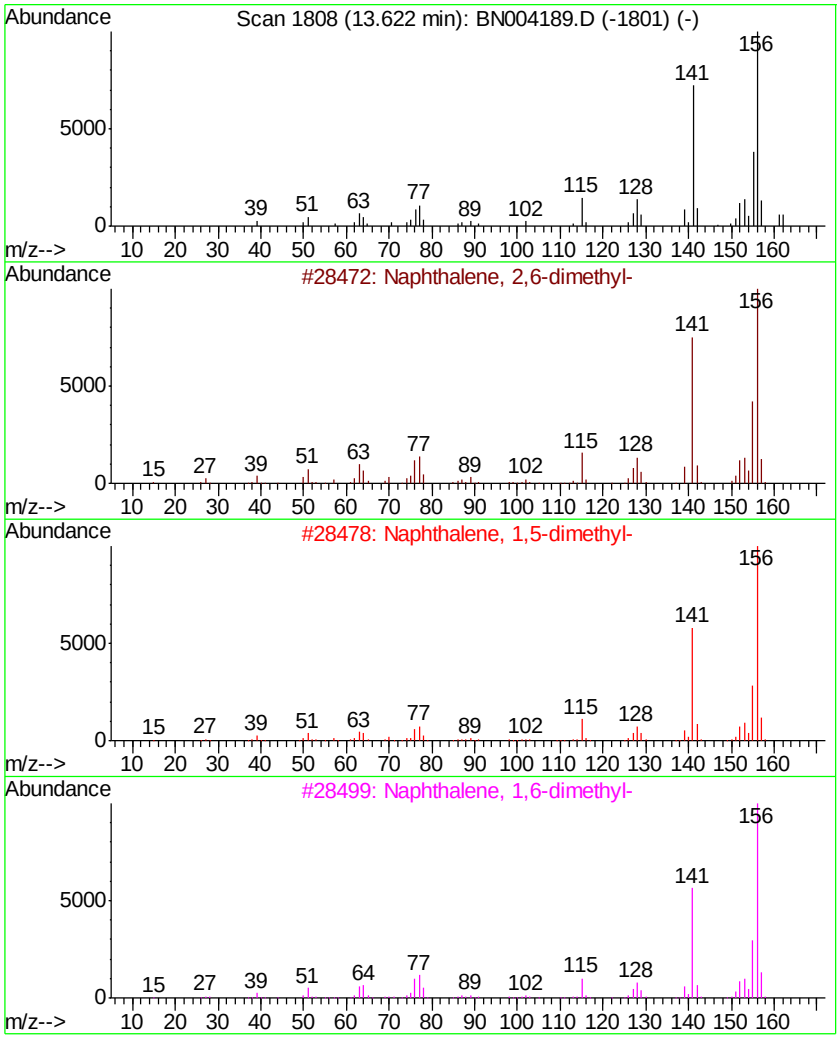
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

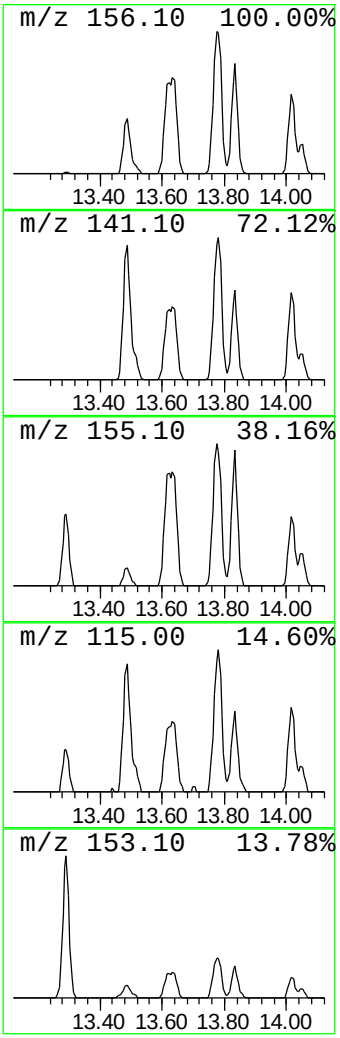
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	7.21 ng/ul	190591	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

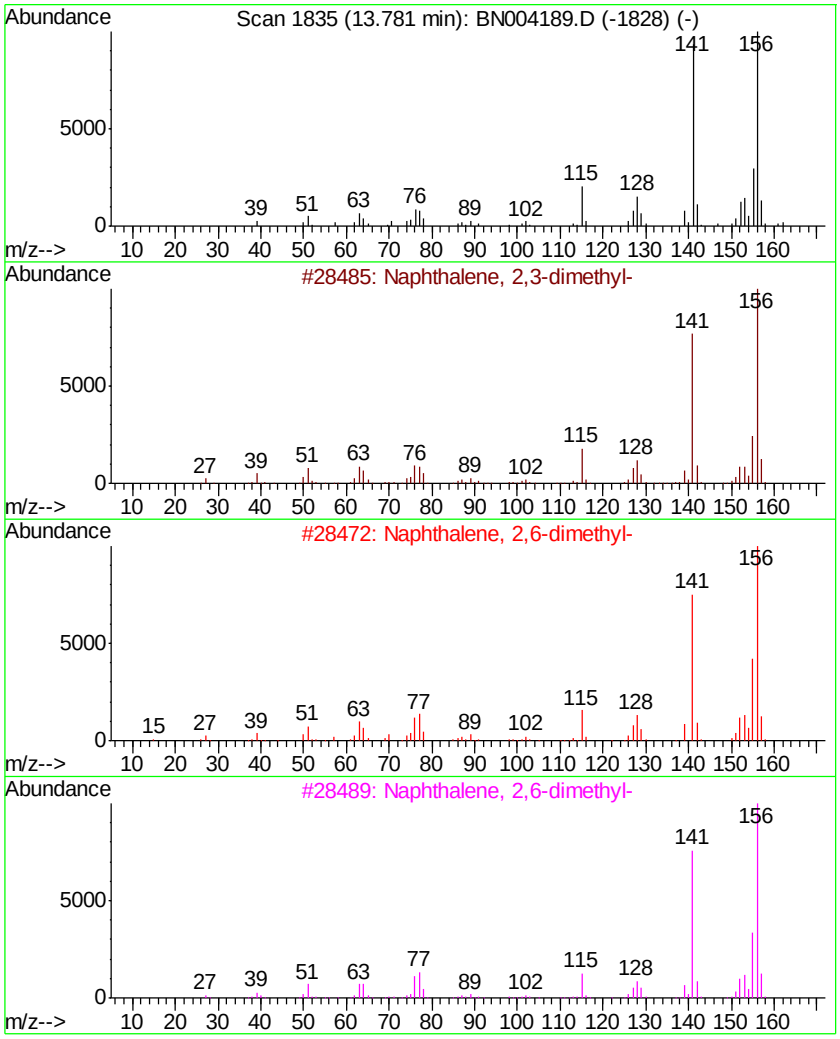
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

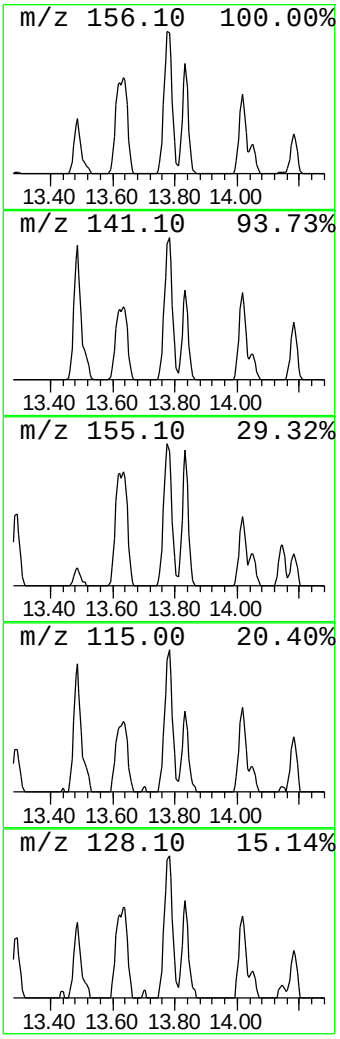
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	14.71 ng/ul	388802	Acenaphthene-d10	14.46

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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

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Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
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Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

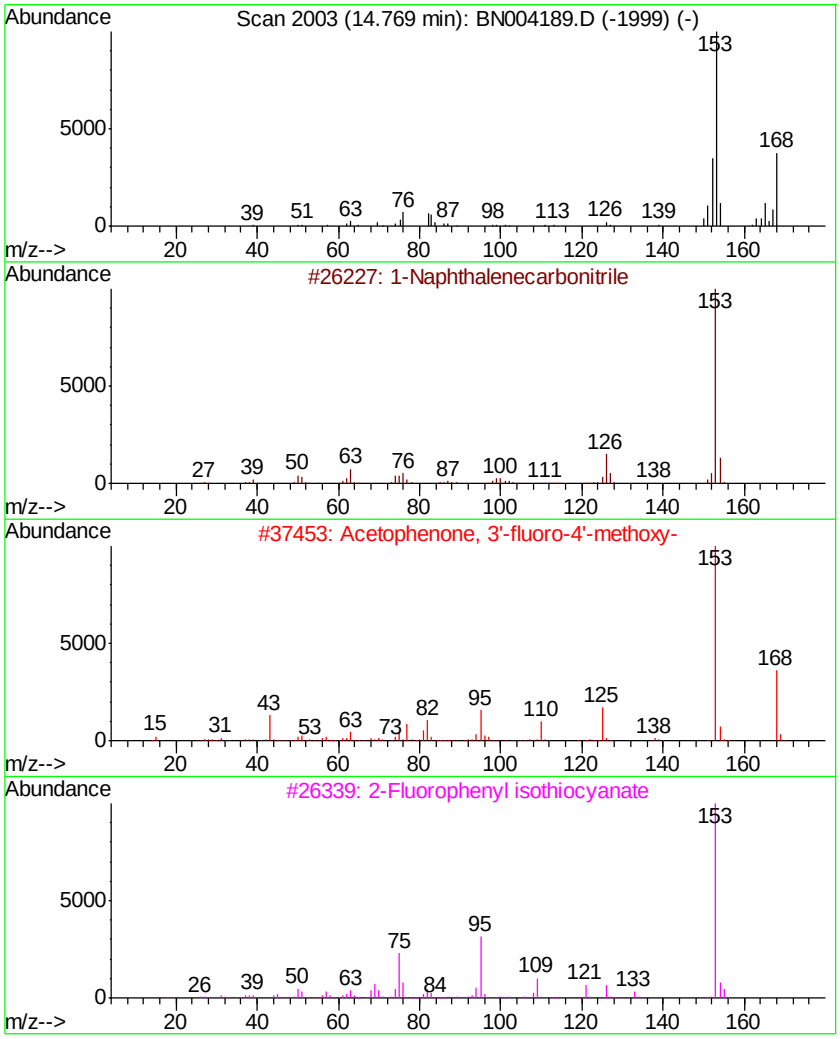
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

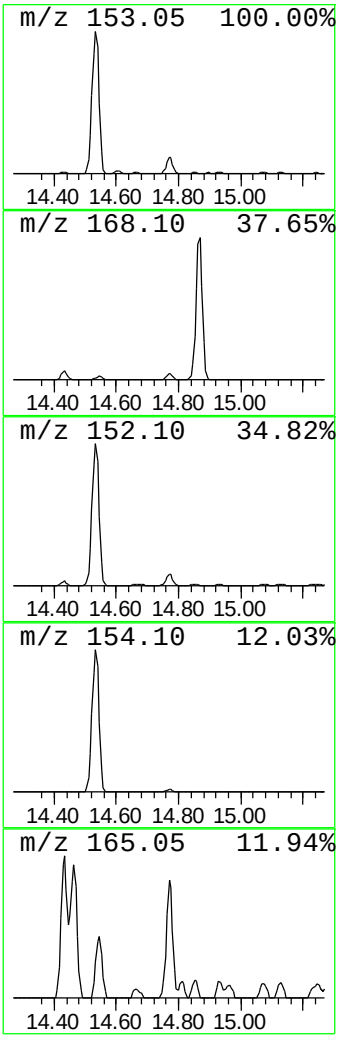
****

Peak Number 7 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	10.08 ng/ul	266480	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	43
2	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	33
3	2-Fluorophenyl isothiocyanate	153	C7H4FNS	038985-64-7	9
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	9
5	Benzene-1,2,4-tricarbonitrile	153	C9H3N3	010347-14-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

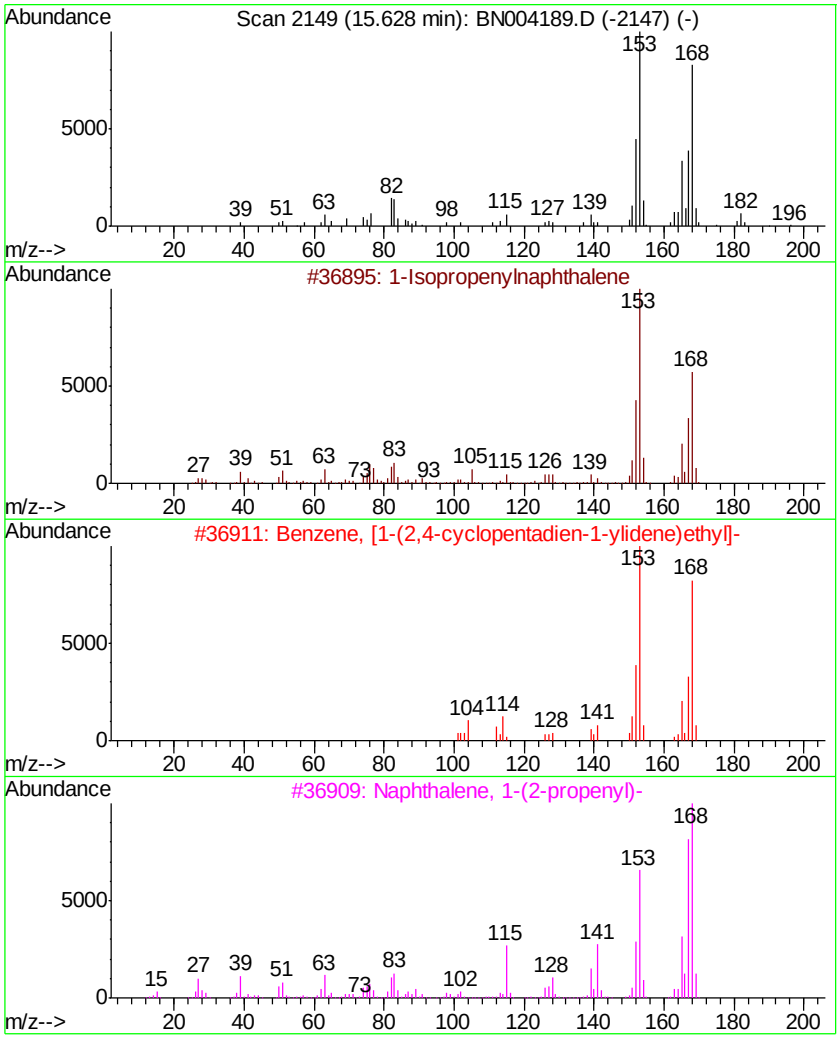
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

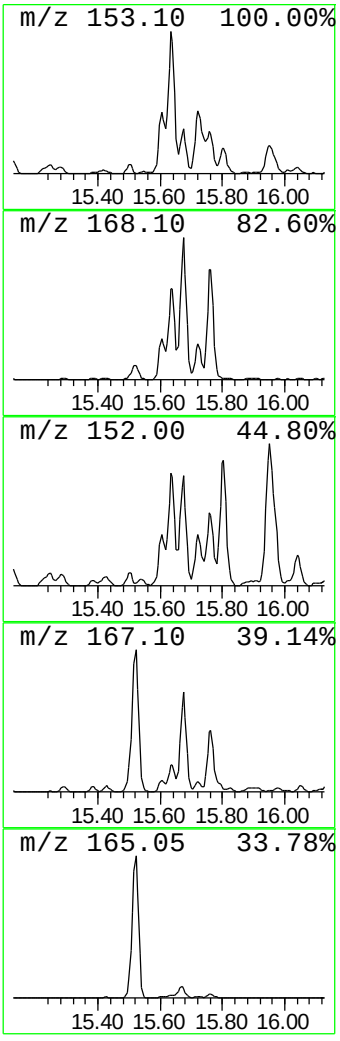
****

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	12.63 ng/ul	333875	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47





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ALS Vial : 39 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

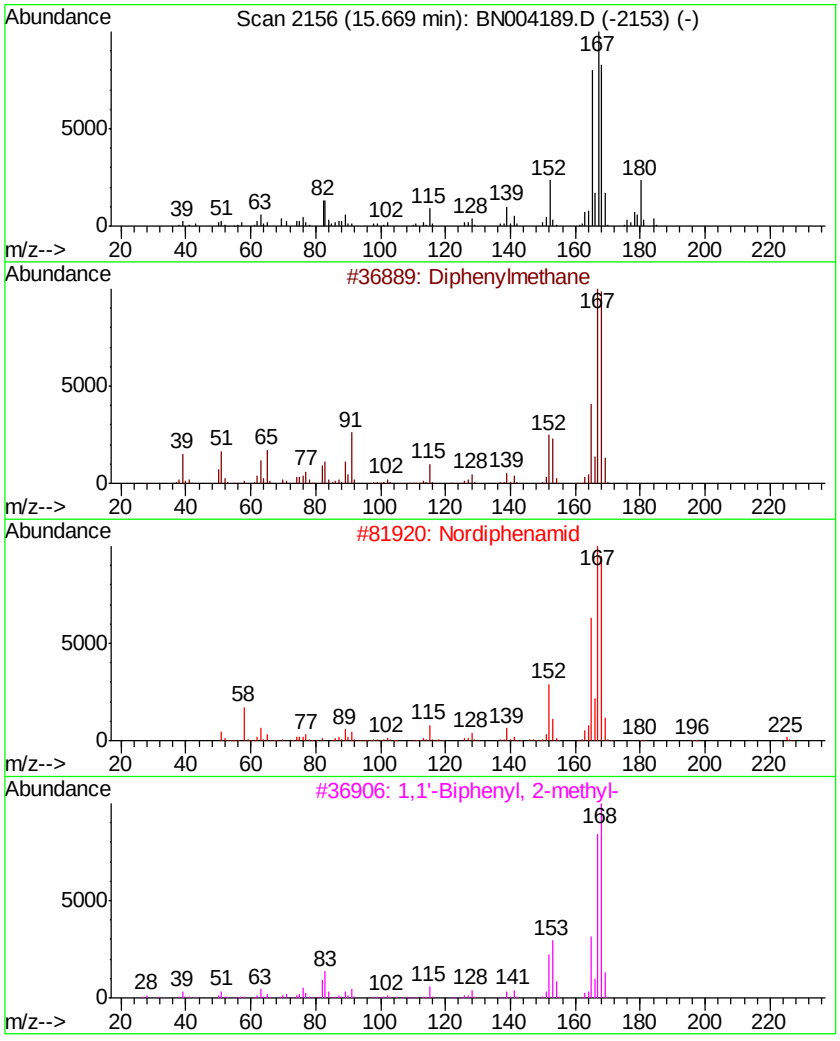
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

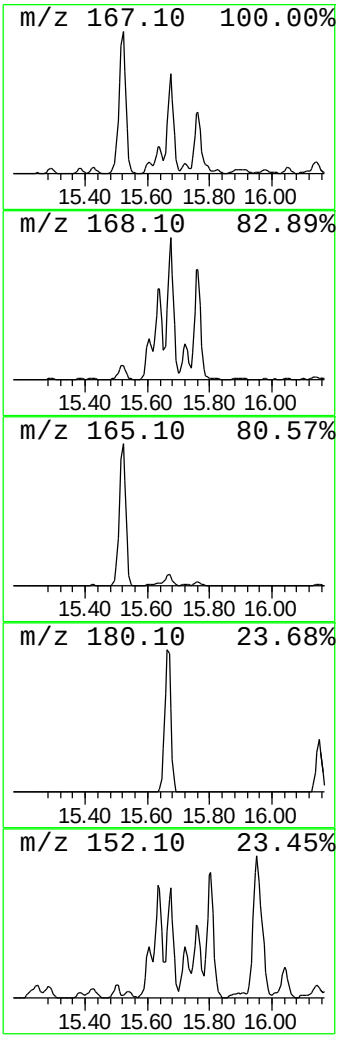
****

Peak Number 9 Diphenylmethane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	21.42 ng/ul	566364	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	64
2	Nordiphenamid	225	C15H15NO	000954-21-2	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
4	Diphenylmethane	168	C13H12	000101-81-5	58
5	Nordiphenamid	225	C15H15NO	000954-21-2	53





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ClientSampleId : CB567

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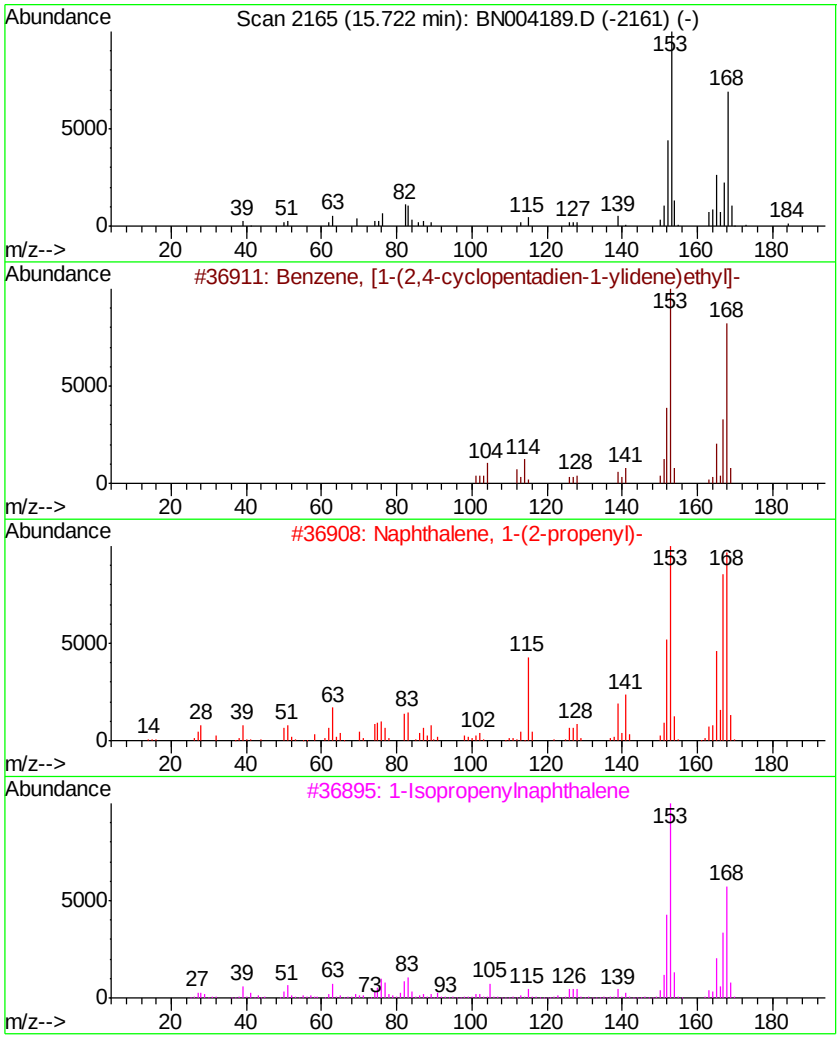
Quant Title : SVOA CALIBRATION

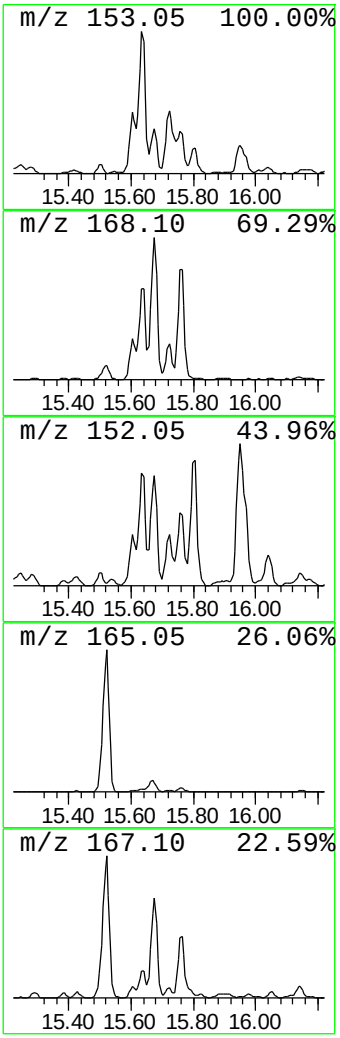
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	5.88 ng/ul	155366	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64





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Quant Title : SVOA CALIBRATION

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

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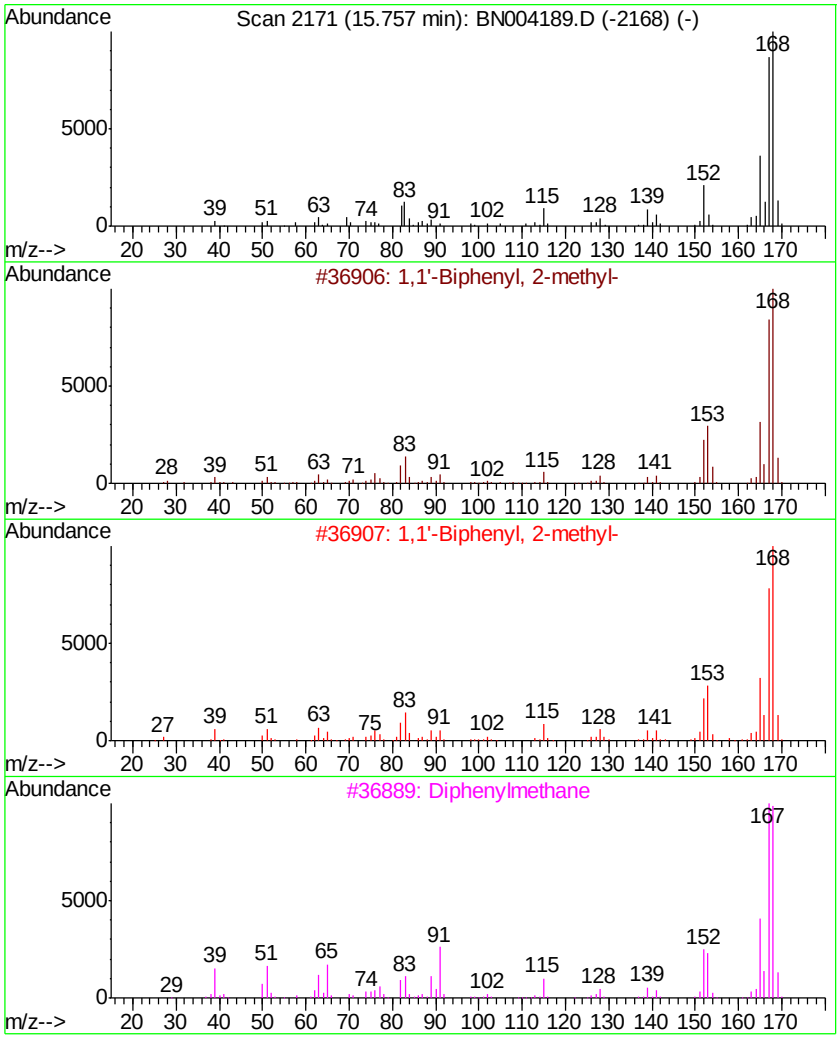
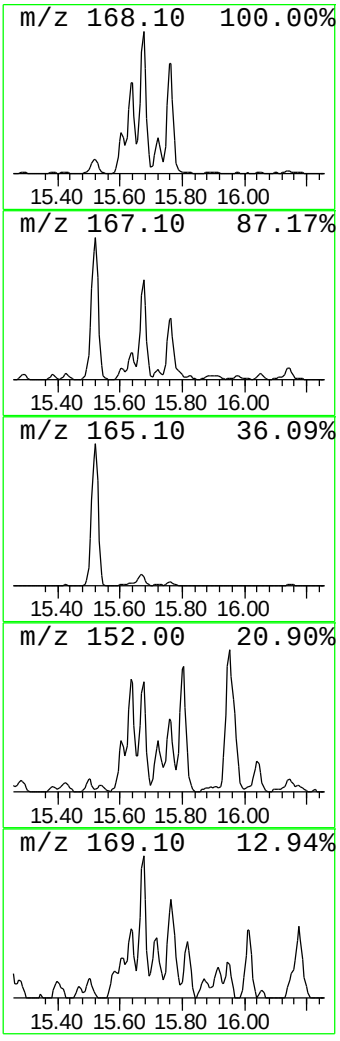
Peak Number 11 1,1'-Biphenyl, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	12.84 ng/ul	339385	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	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	90
5	Diphenylmethane	168	C13H12	000101-81-5	90





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Quant Title : SVOA CALIBRATION

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

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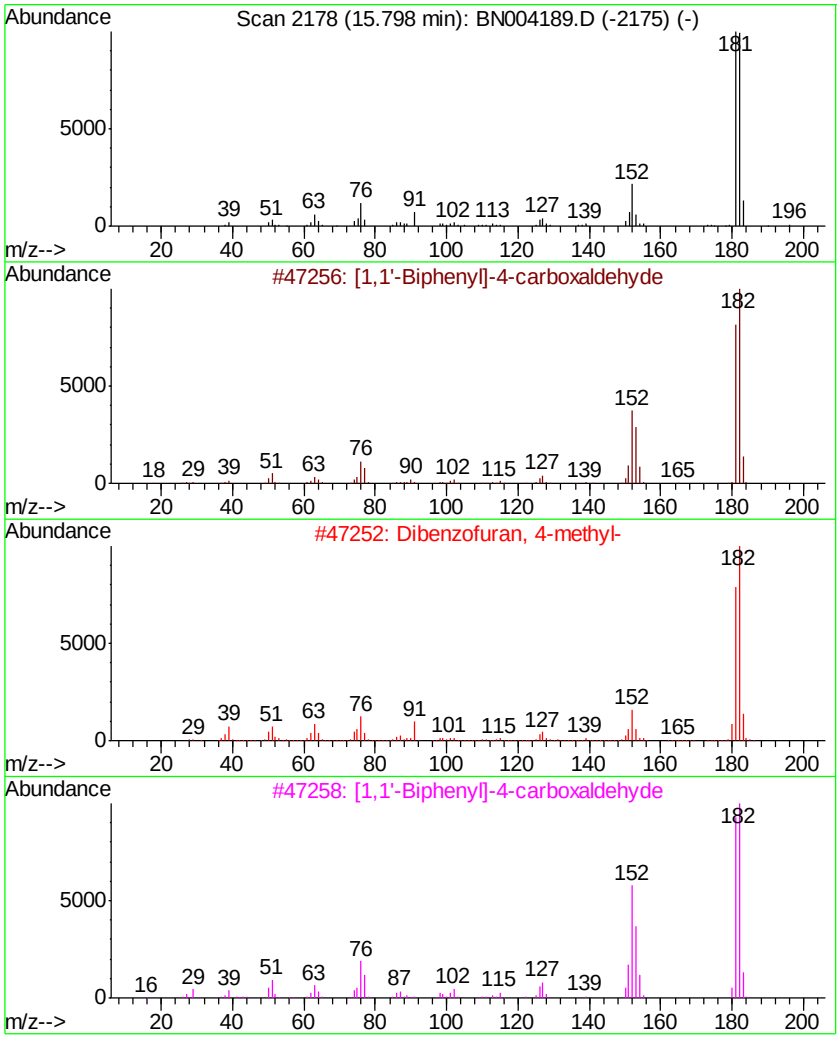
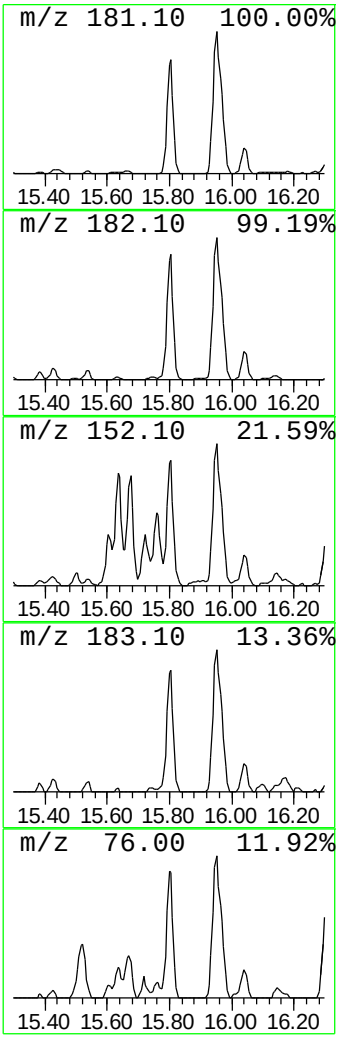
Peak Number 12 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	19.90 ng/ul	526243	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
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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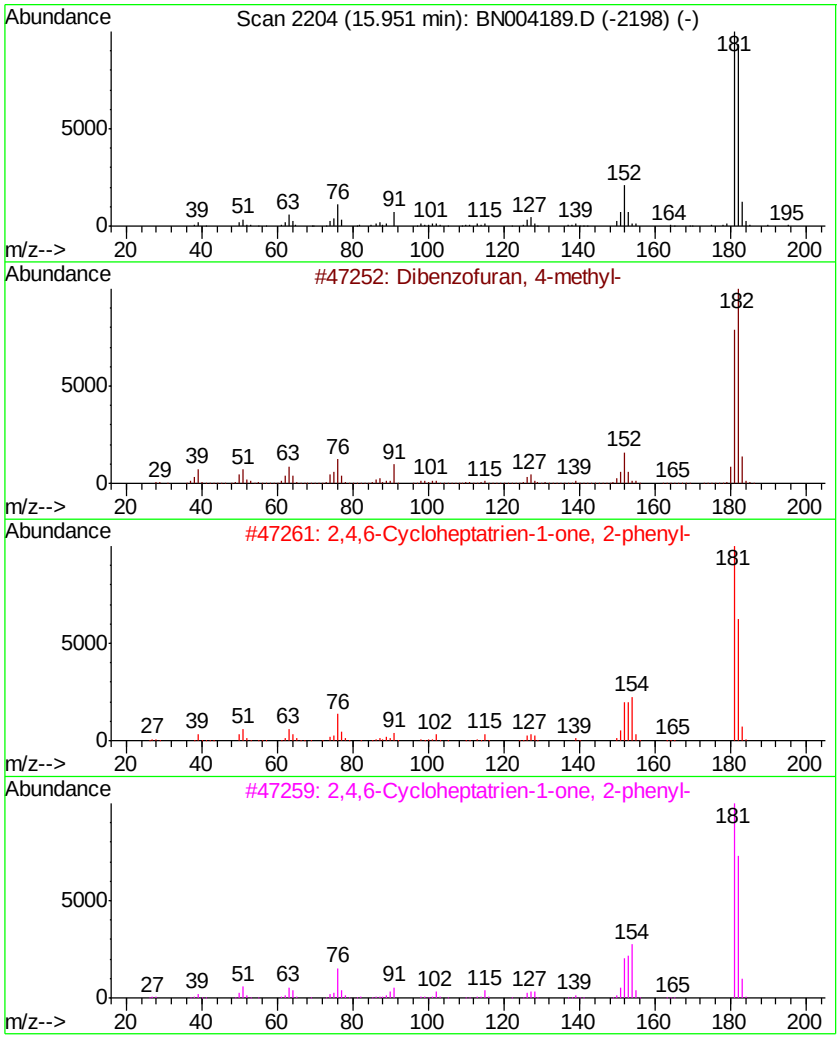
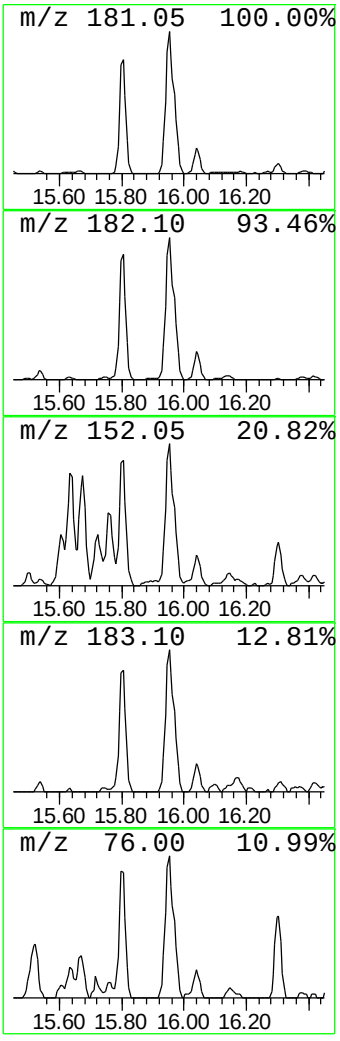
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	36.51 ng/ul	754877	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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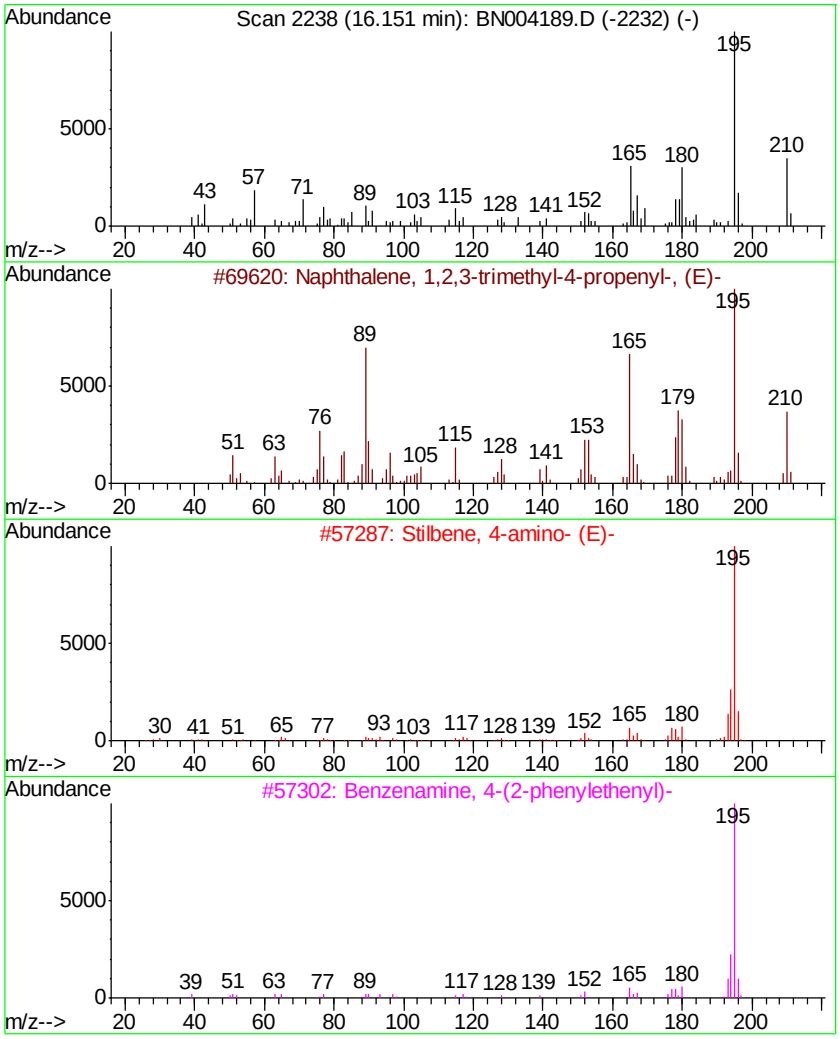
Quant Title : SVOA CALIBRATION

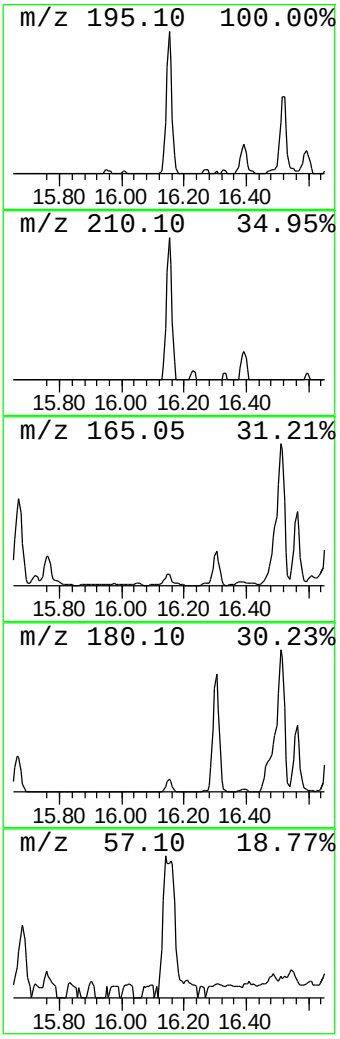
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 1,2,3-trimethy... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	10.72 ng/ul	221684	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	90
2	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	68
3	Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	64
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
5	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	52





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Quant Title : SVOA CALIBRATION

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

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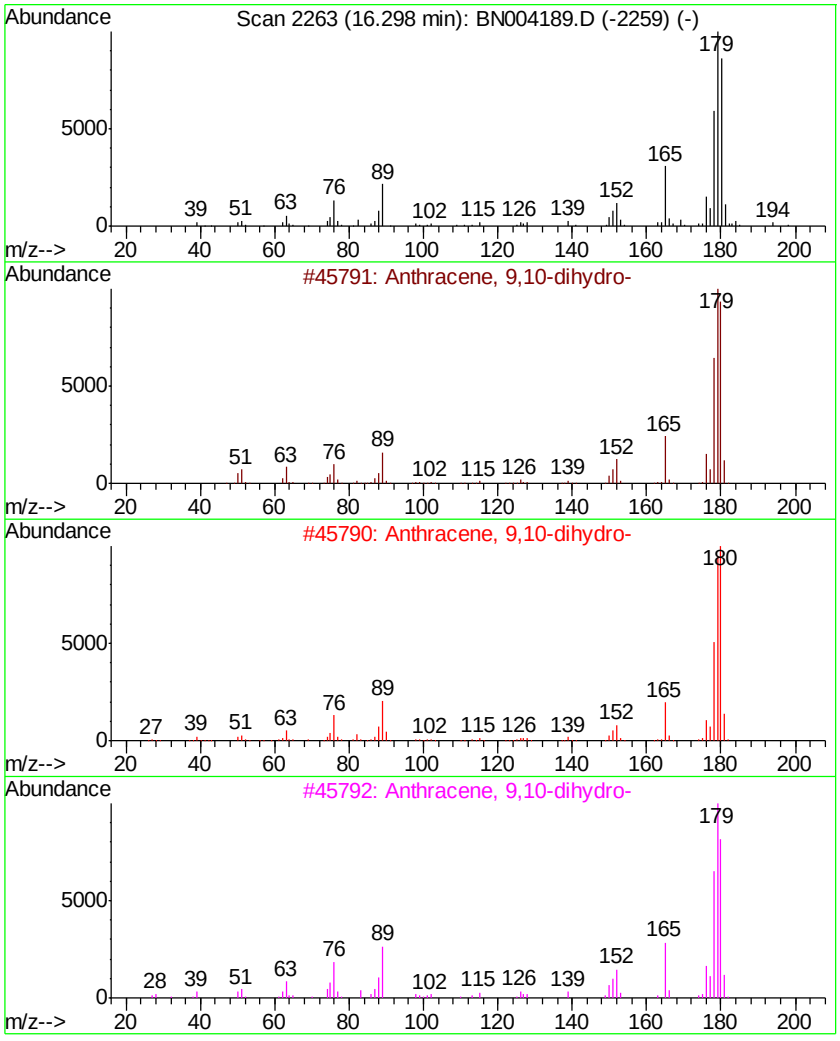
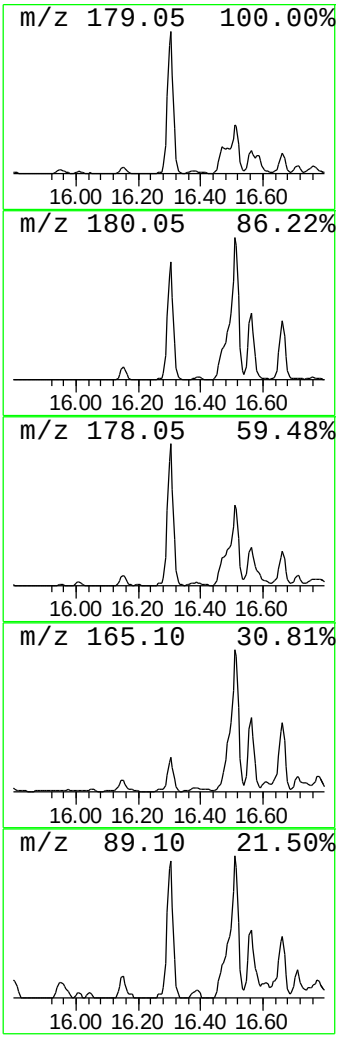
Peak Number 15 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	20.01 ng/ul	413758	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	92
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91





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Quant Title : SVOA CALIBRATION

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

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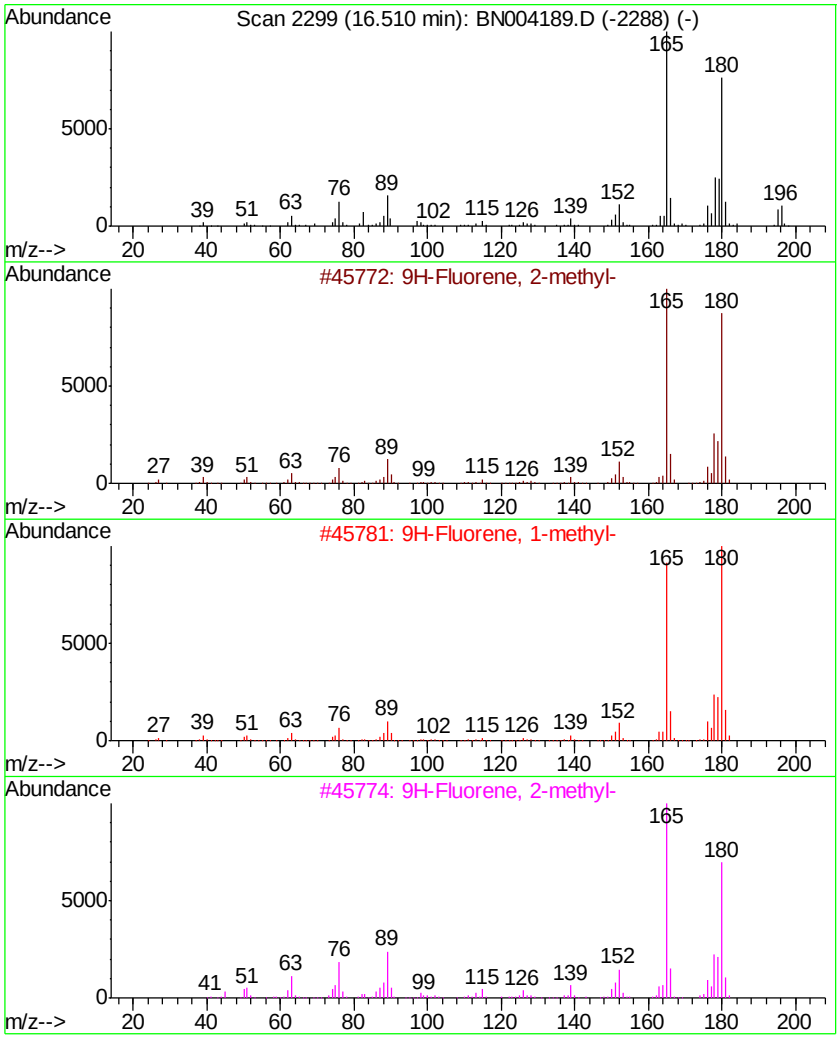
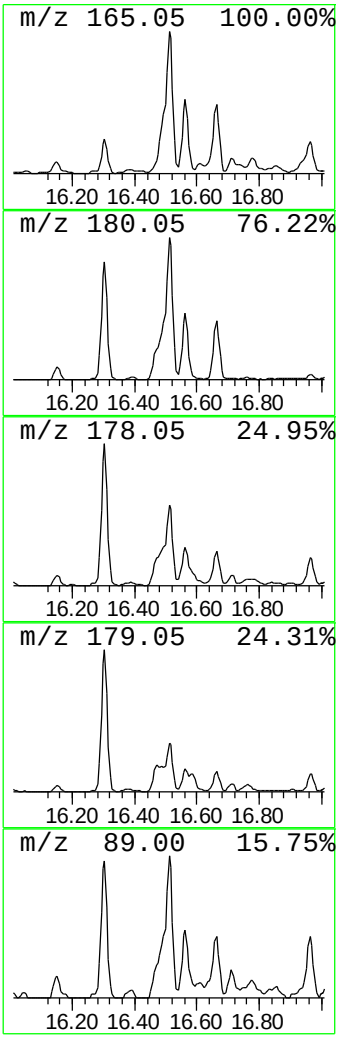
Peak Number 16 9H-Fluorene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	40.86 ng/ul	844889	Phenanthrene-d10	17.22

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	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94





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Quant Title : SVOA CALIBRATION

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

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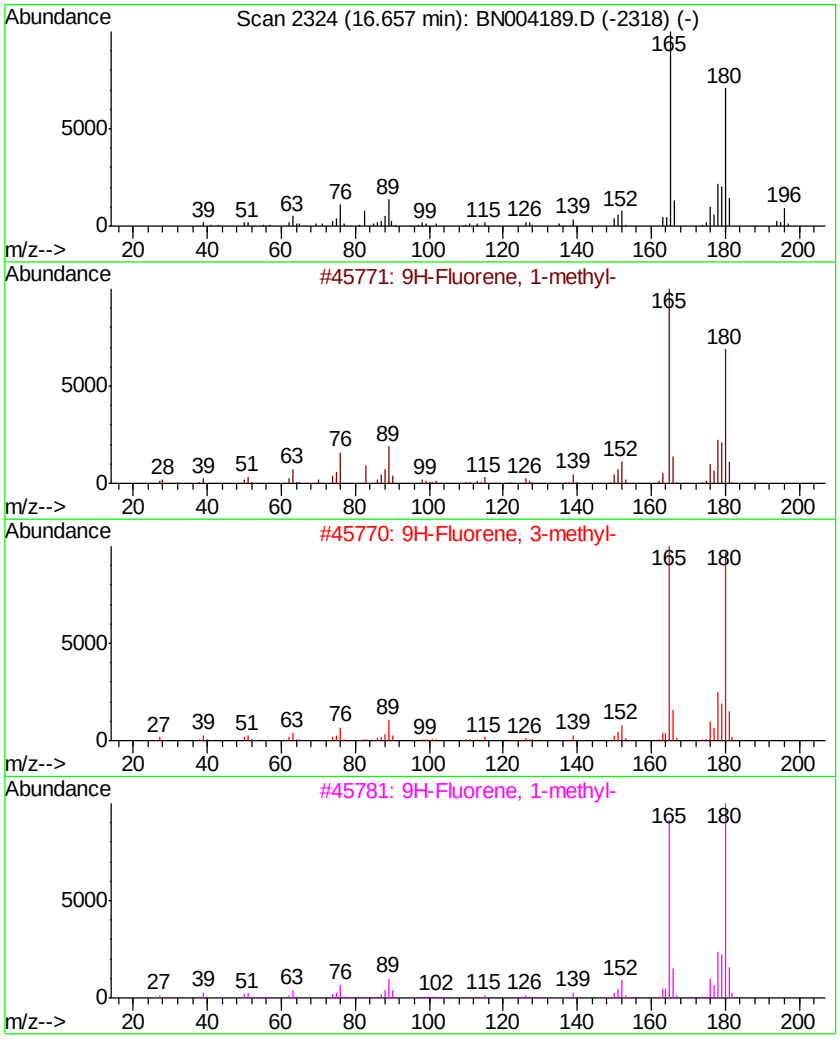
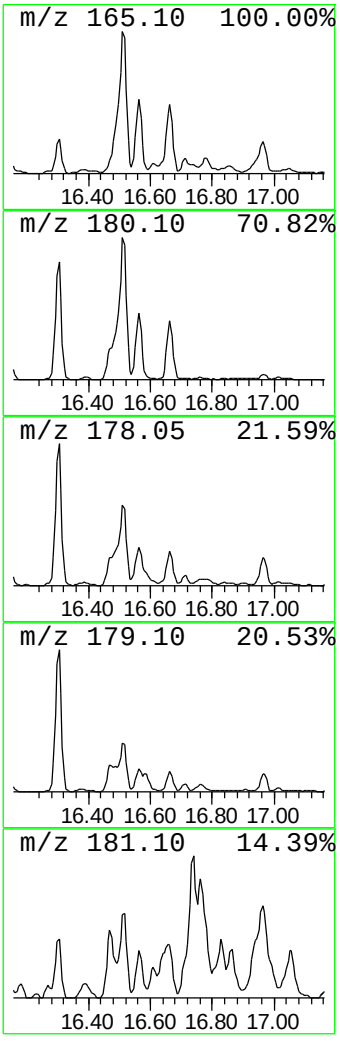
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	14.19 ng/ul	293463	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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Quant Title : SVOA CALIBRATION

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

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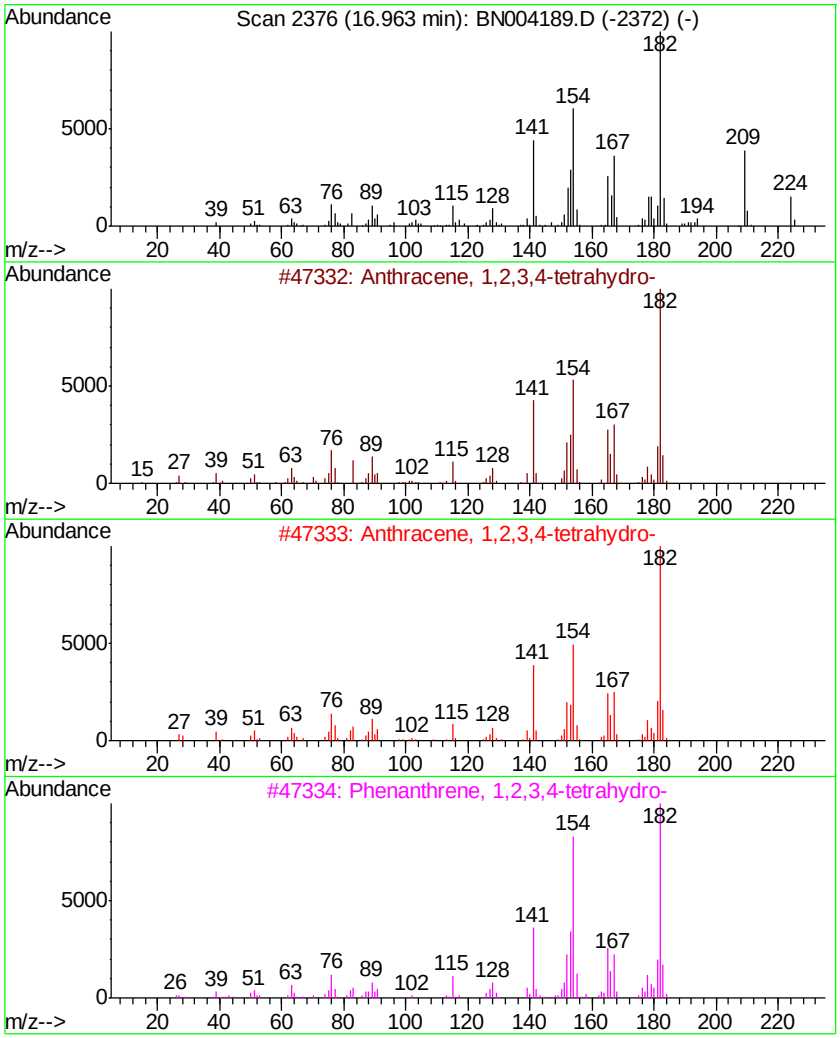
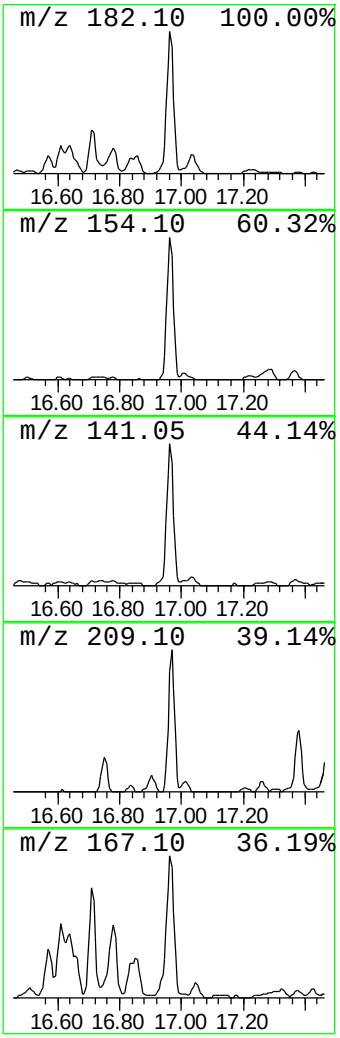
Peak Number 19 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	28.81 ng/ul	595697	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	89
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	86
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	56
5	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	46





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Quant Title : SVOA CALIBRATION

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

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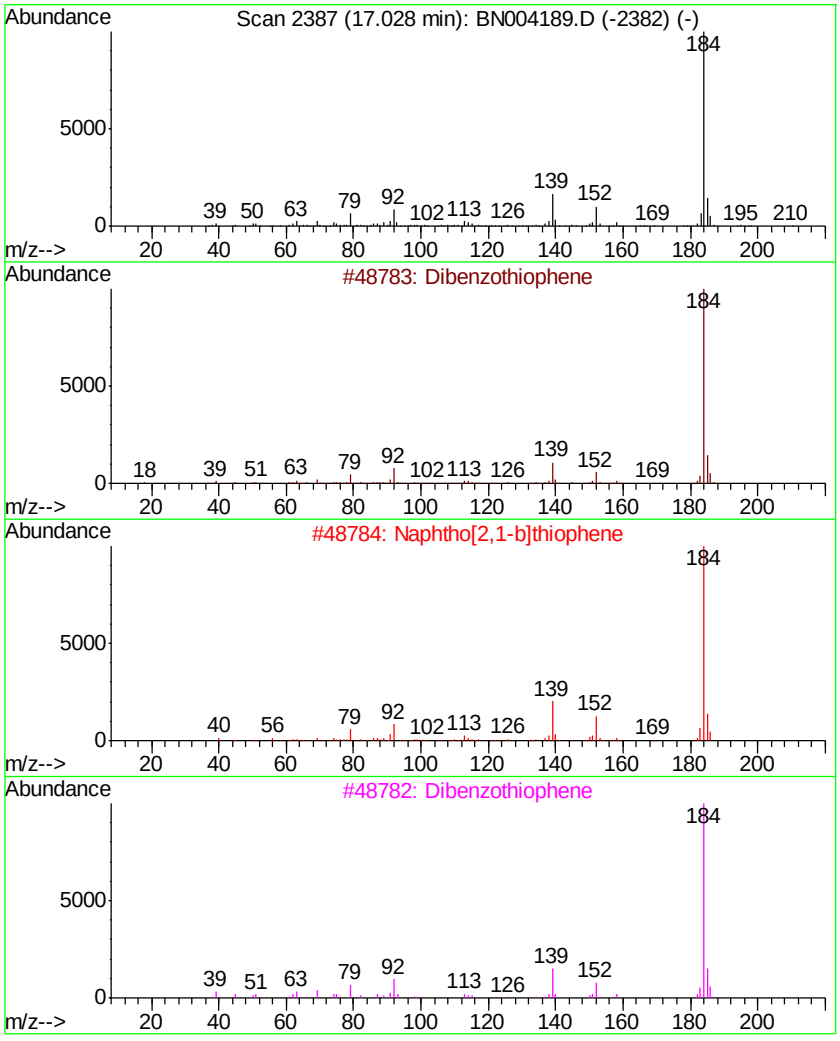
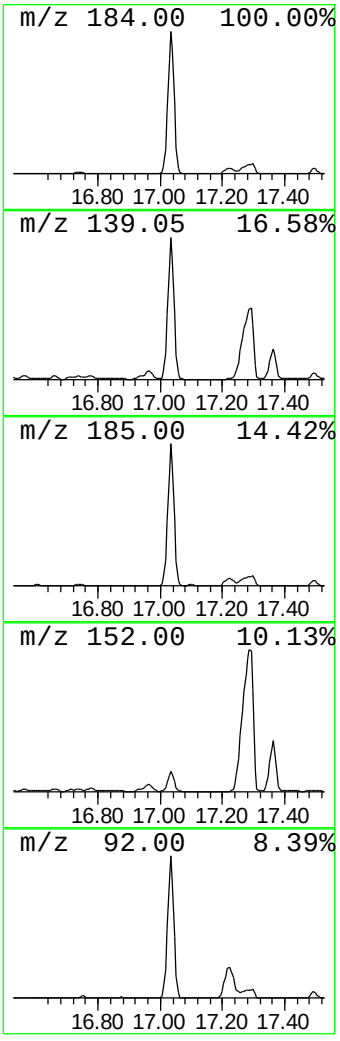
Peak Number 20 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	63.49 ng/ul	1312640	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95





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Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

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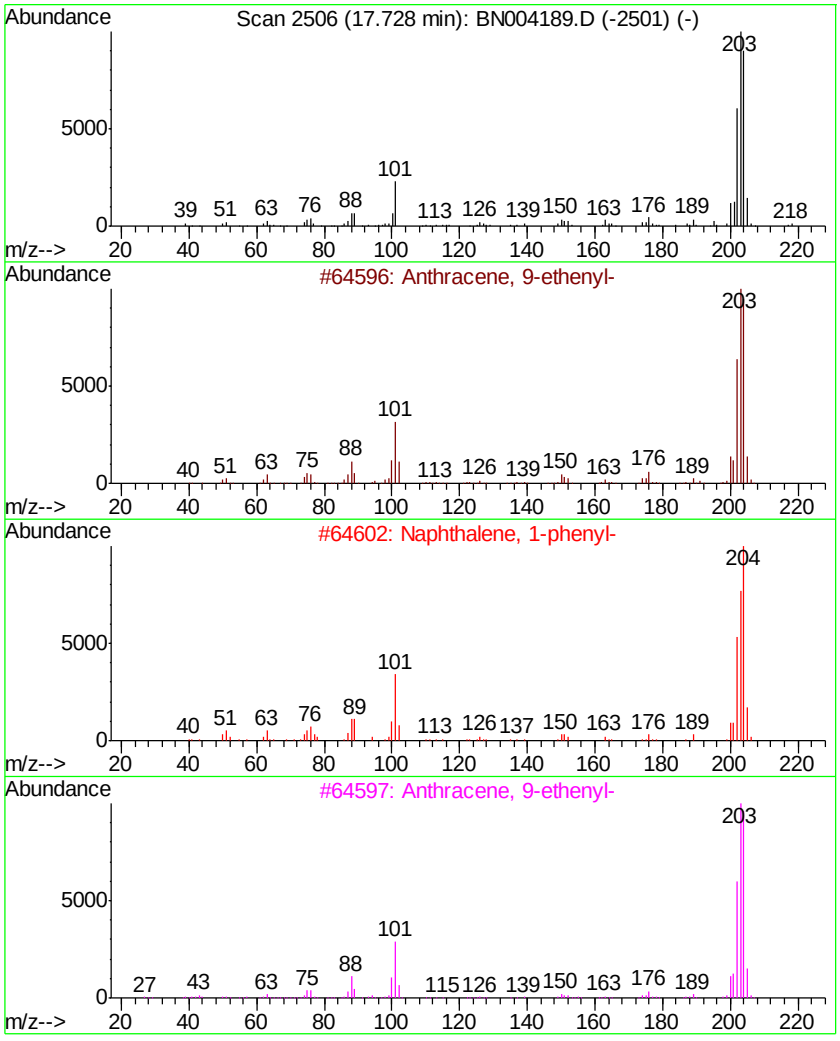
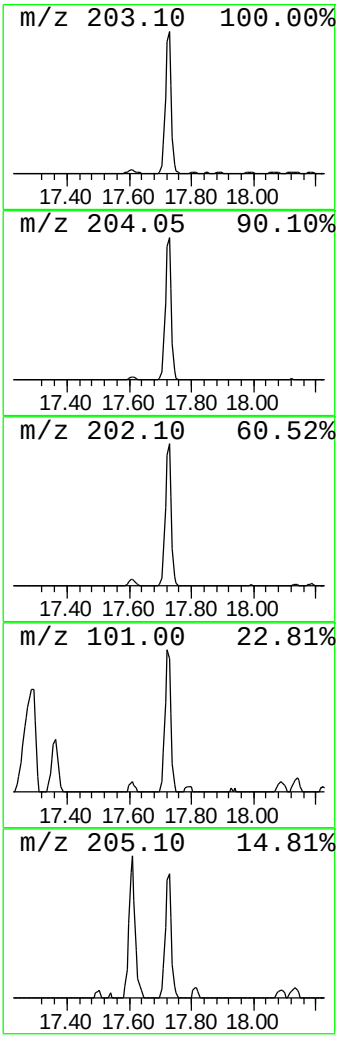
Peak Number 21 Anthracene, 9-ethenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	13.67 ng/ul	282684	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89





Library Search Compound Report

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ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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Quant Title : SVOA CALIBRATION

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

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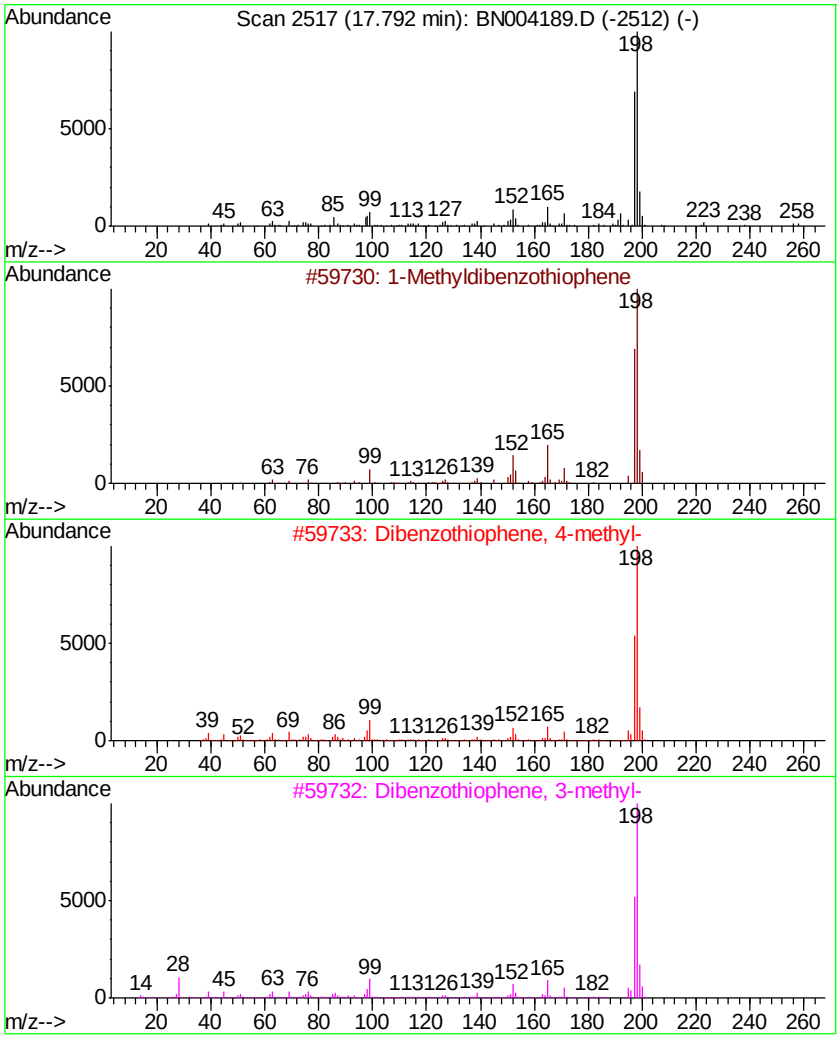
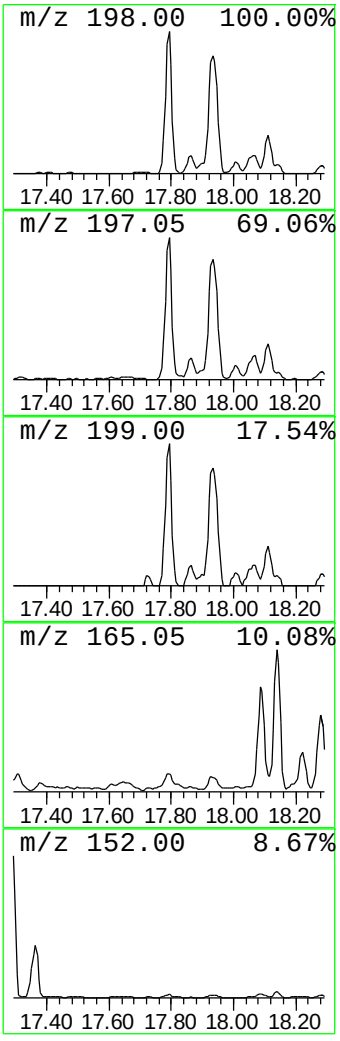
Peak Number 22 1-Methyldibenzothiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	18.74 ng/ul	387431	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





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Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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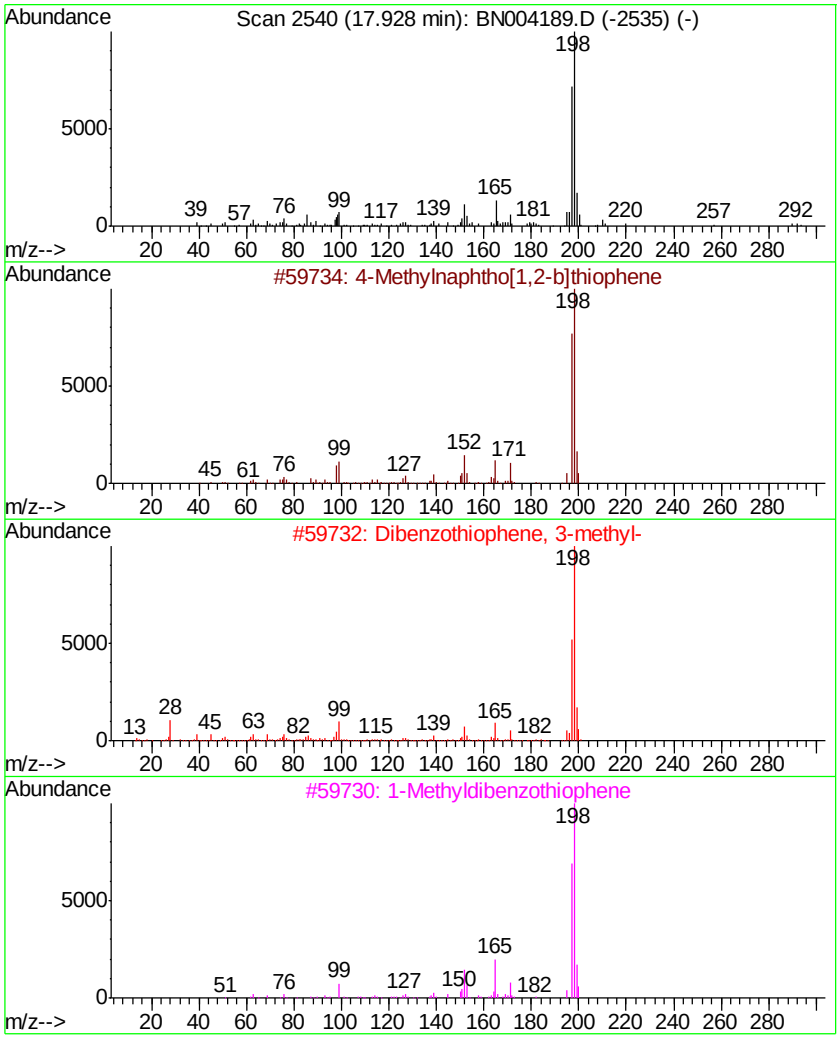
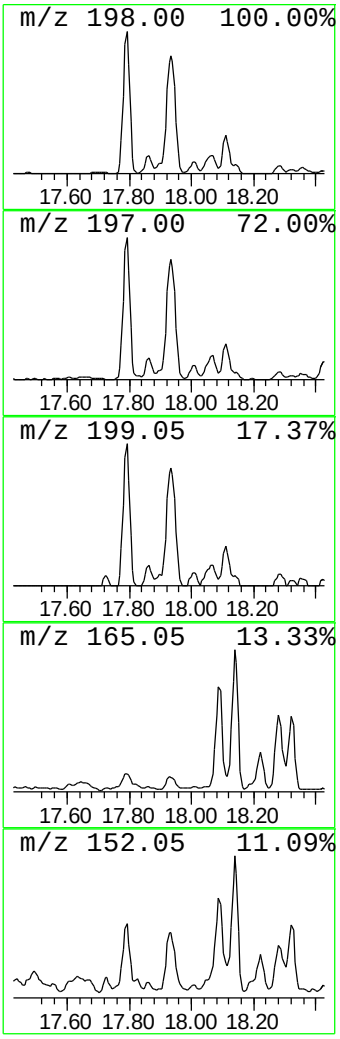
Peak Number 23 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	16.09 ng/ul	332781	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





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ALS Vial : 39 Sample Multiplier: 1

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ClientSampleId : CB567

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Quant Title : SVOA CALIBRATION

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

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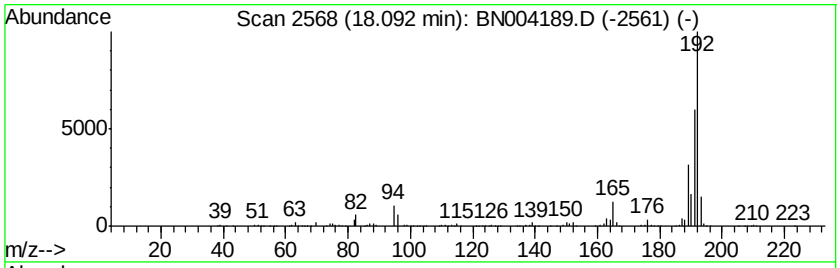
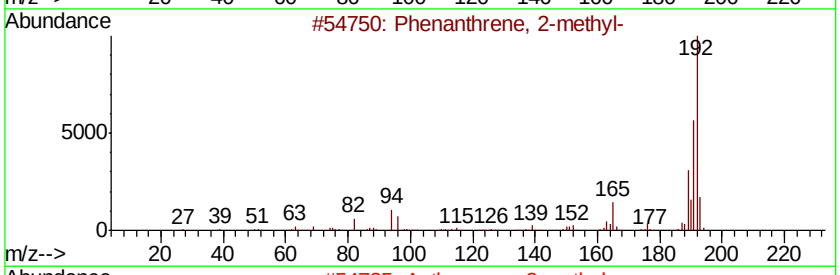
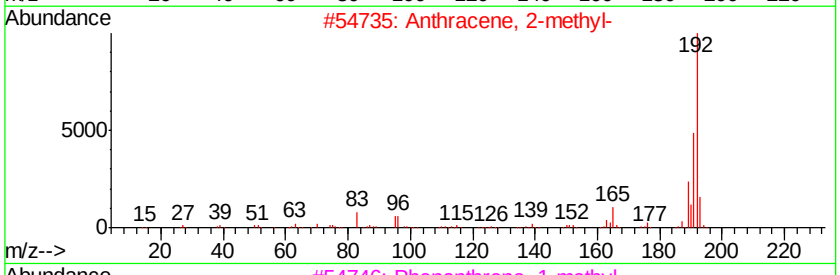
Peak Number 24 Phenanthrene, 2-methyl- Concentration Rank 3

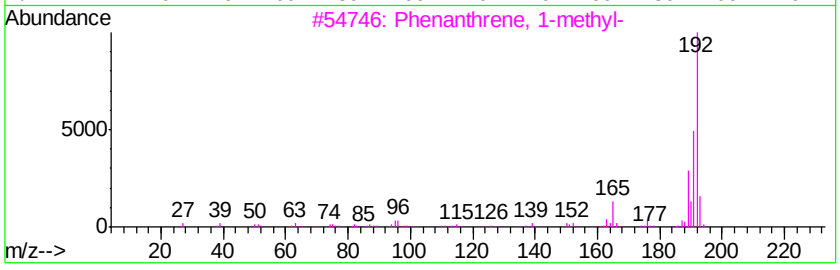
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	86.17 ng/ul	1781690	Phenanthrene-d10	17.22

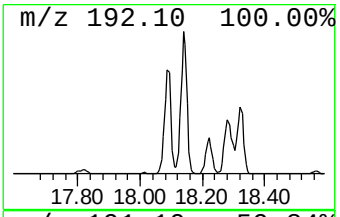
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95

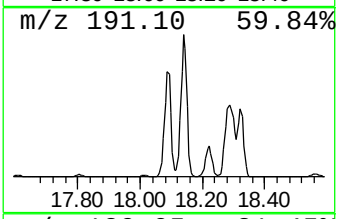


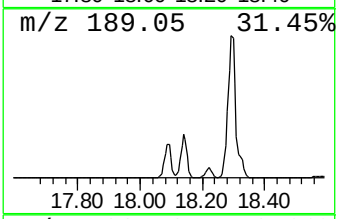


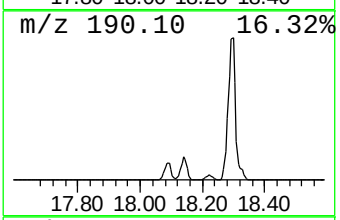


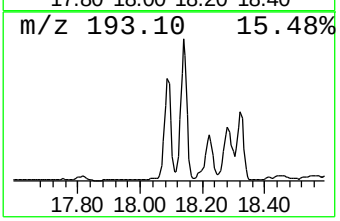












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Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

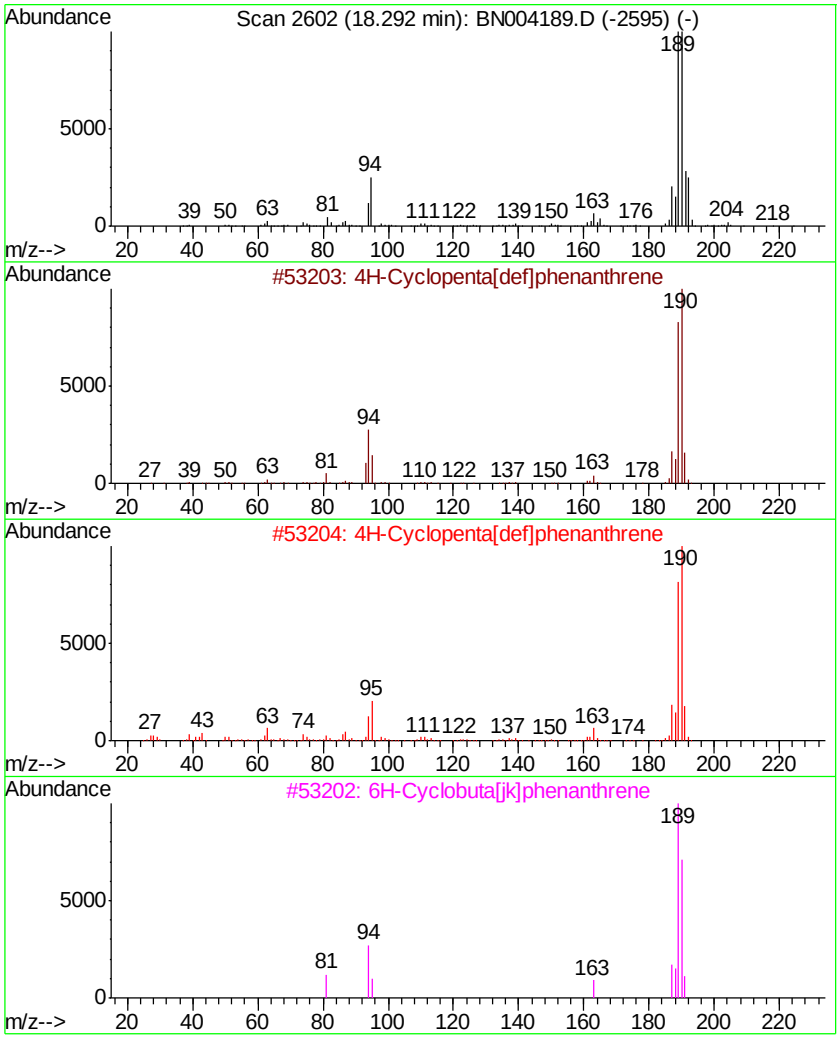
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

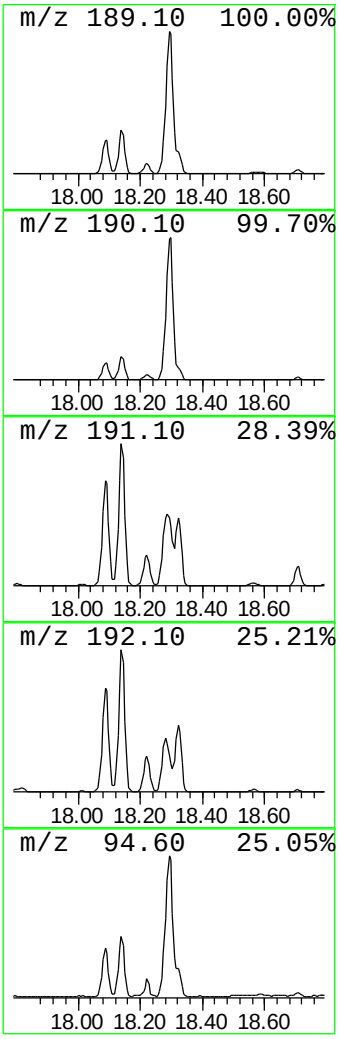
****

Peak Number 27 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	176.32 ng/ul	3645590	Phenanthrene-d10	17.22

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	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49





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ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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Quant Title : SVOA CALIBRATION

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

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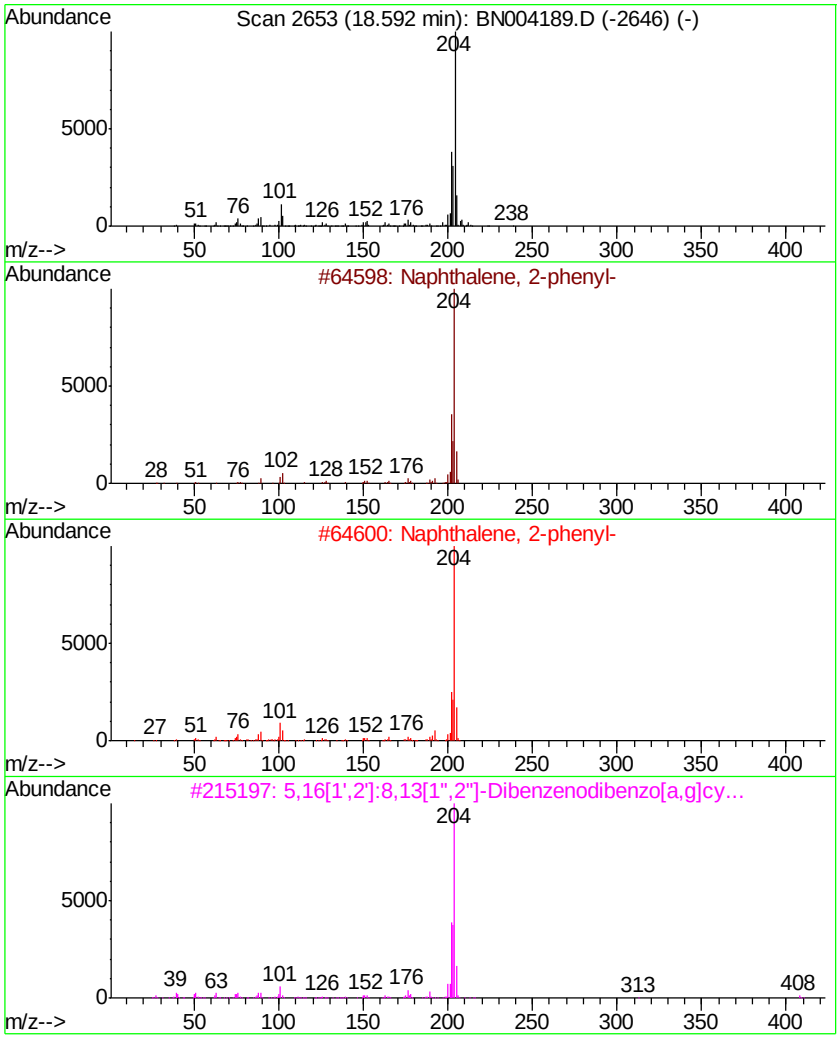
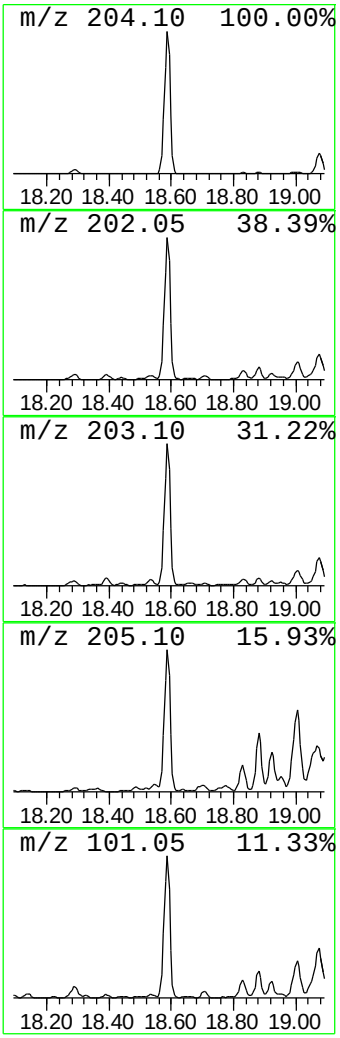
Peak Number 29 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	64.21 ng/ul	1327620	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
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
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86





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ALS Vial : 39 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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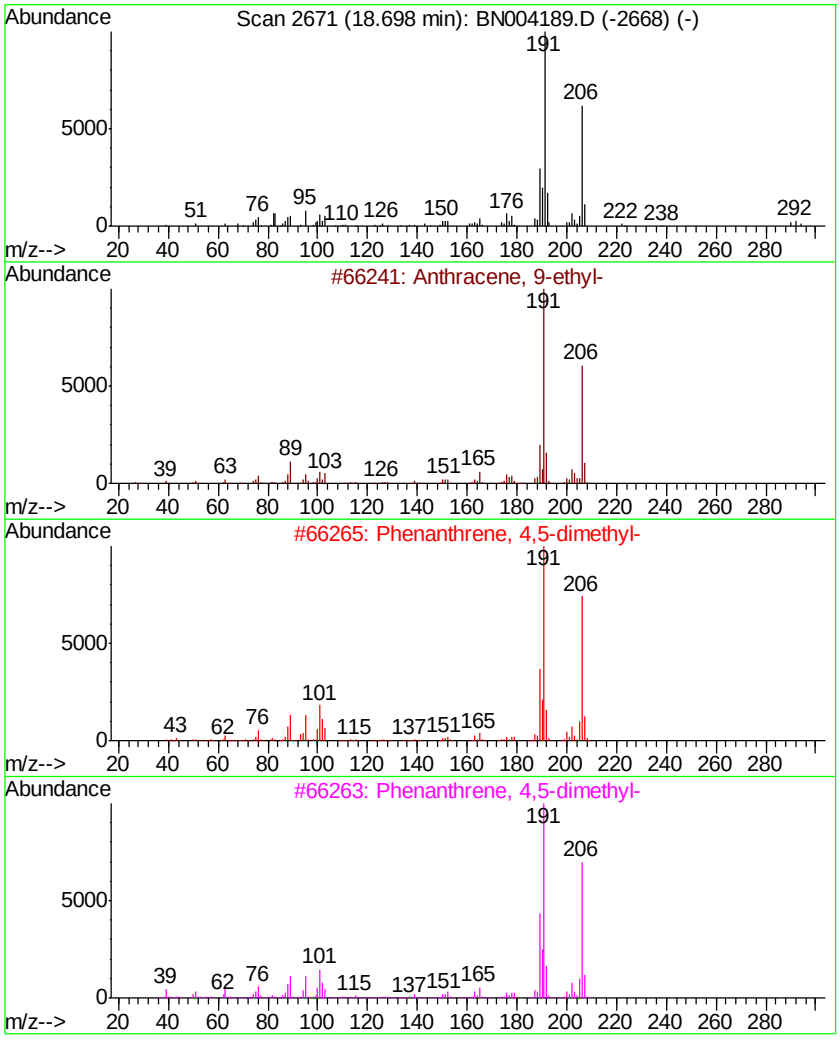
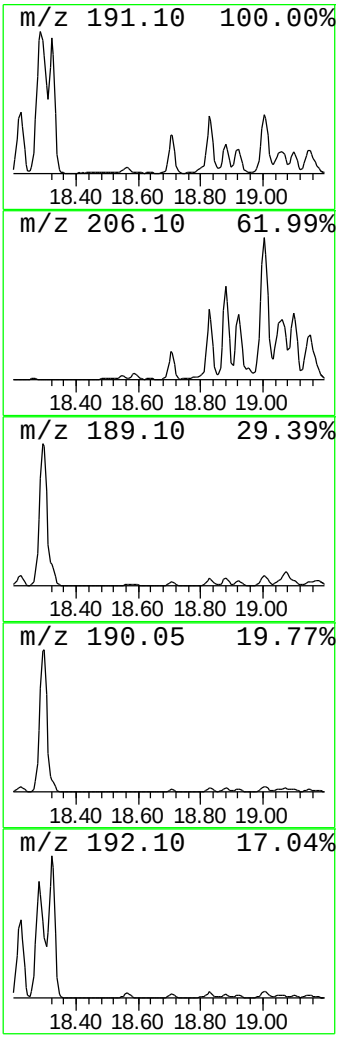
Peak Number 30 Anthracene, 9-ethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	7.42 ng/ul	153448	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	81





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TIC Library : C:\Database\NIST11.L
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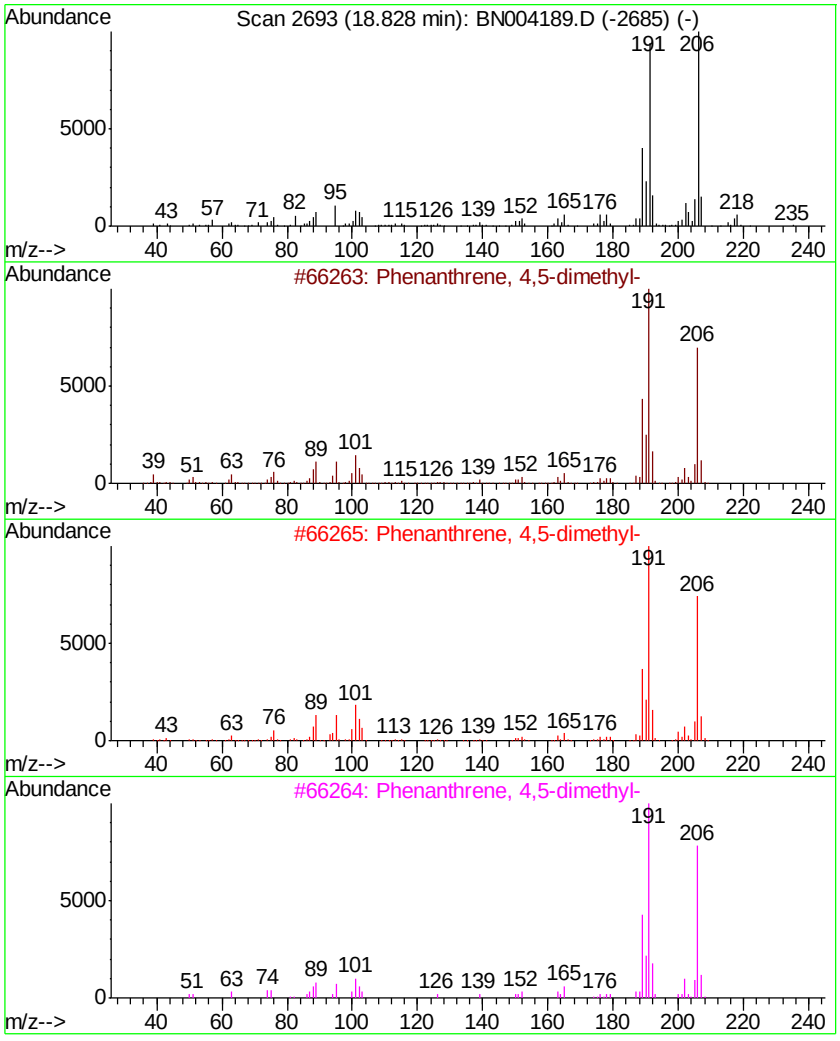
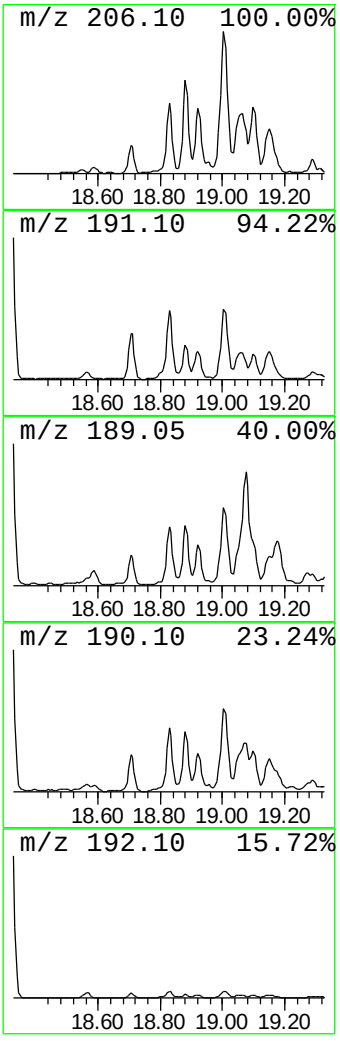
Peak Number 31 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	20.98 ng/ul	433687	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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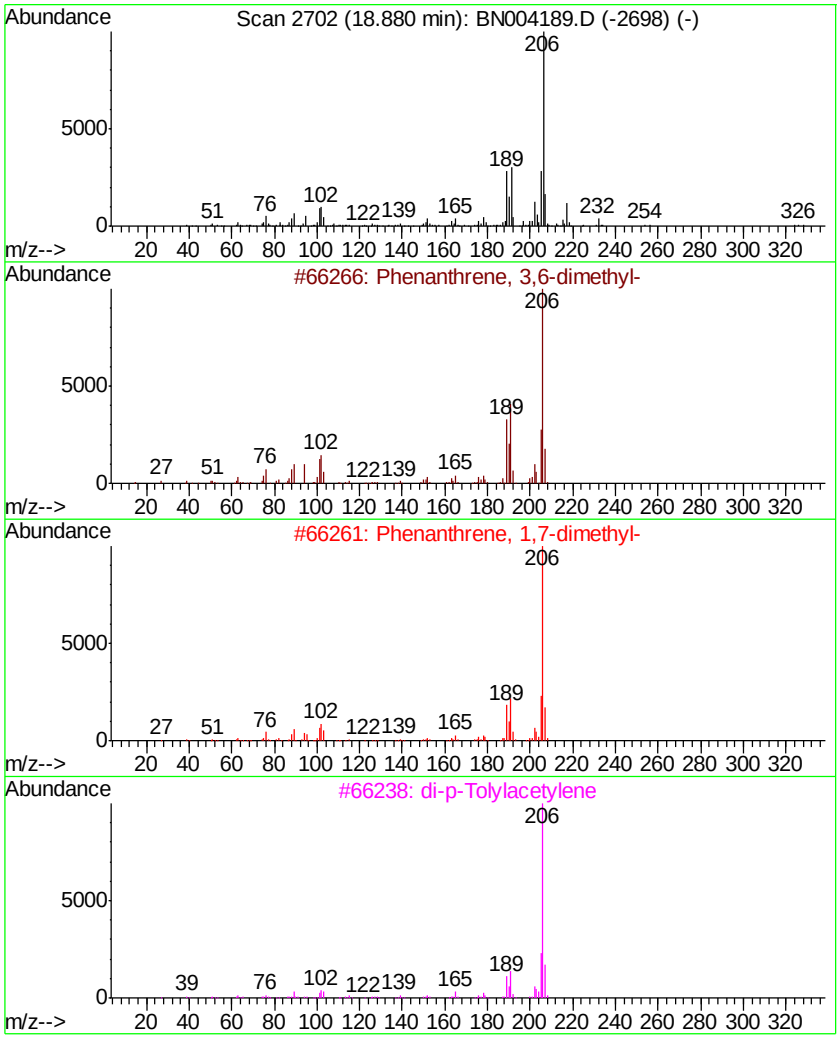
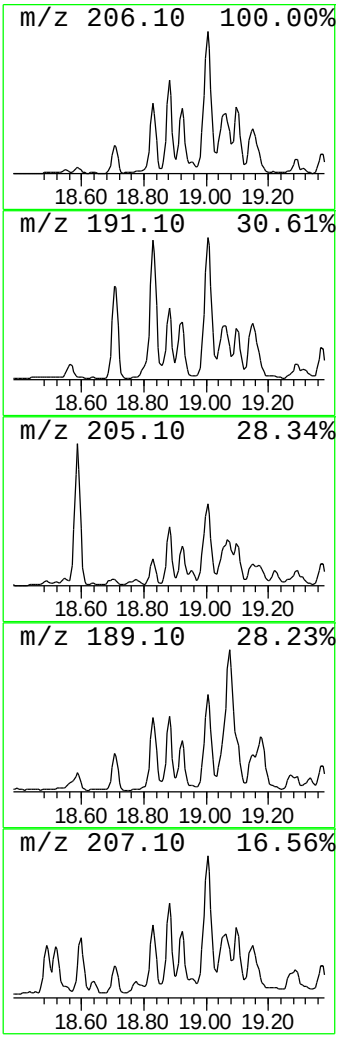
Peak Number 32 Phenanthrene, 3,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	17.54 ng/ul	362616	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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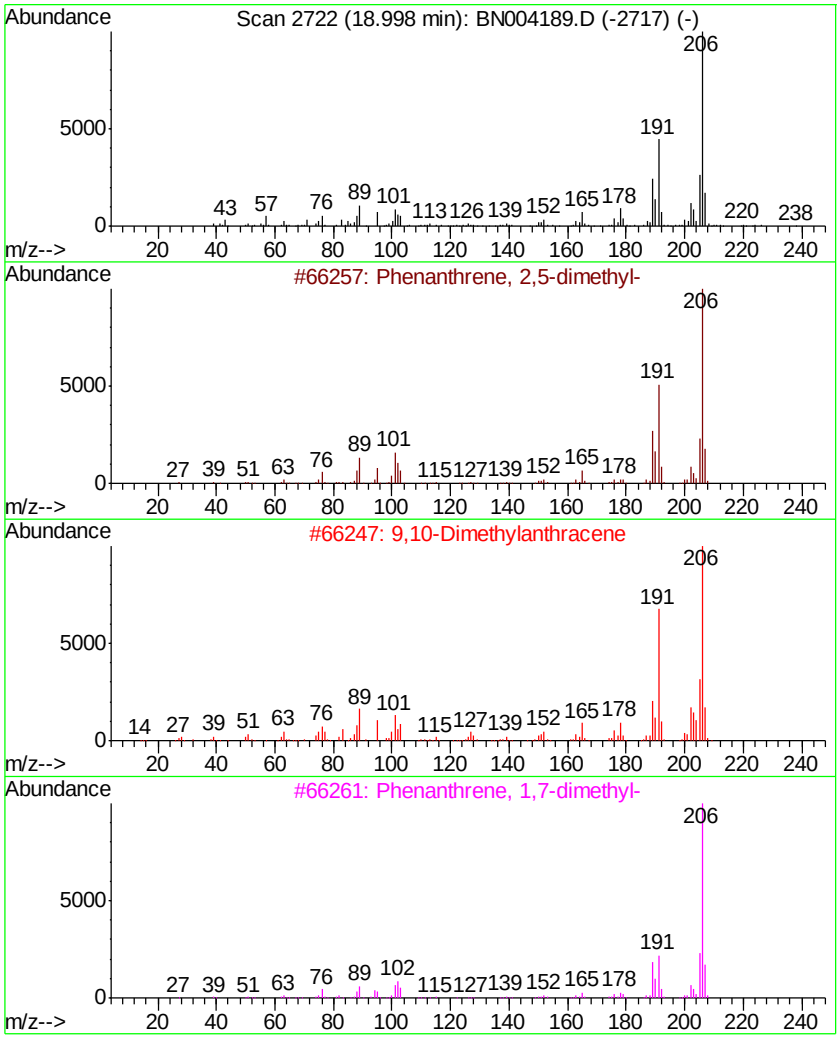
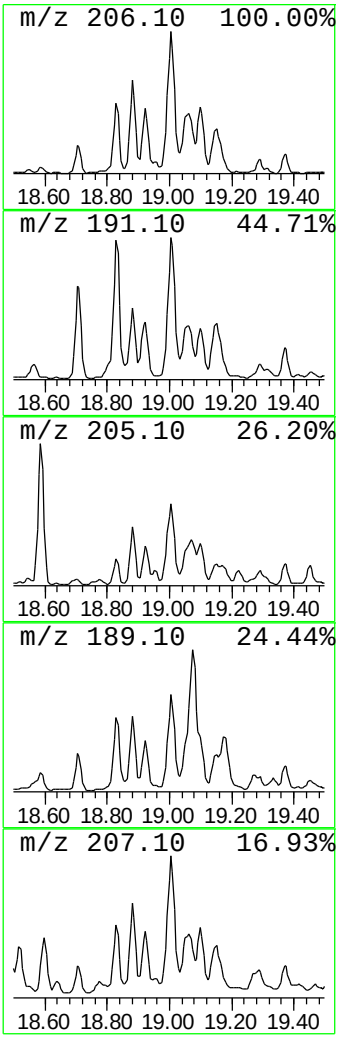
Peak Number 34 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	39.75 ng/ul	821816	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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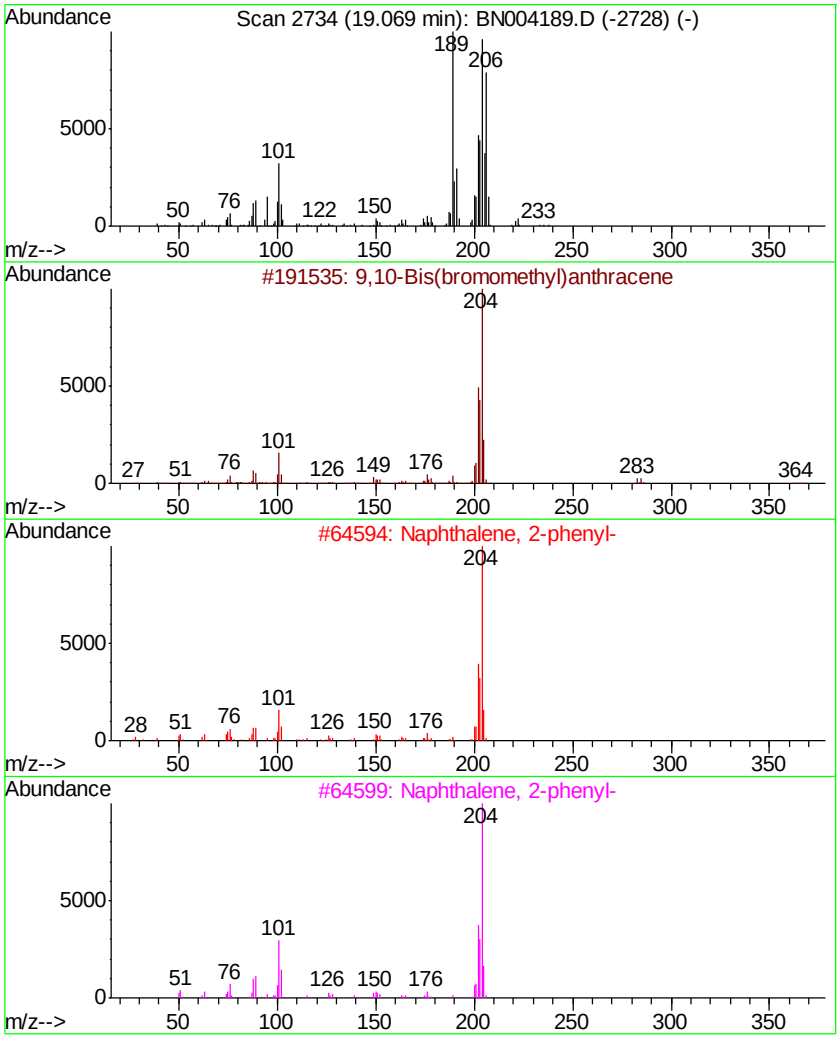
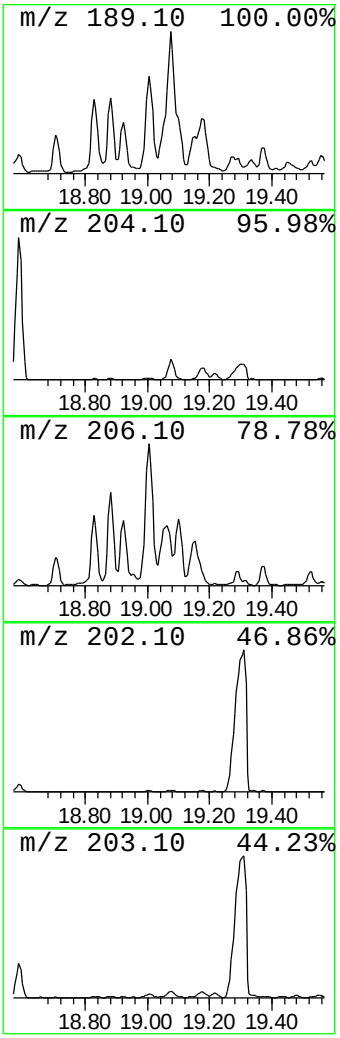
Peak Number 35 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	23.56 ng/ul	487042	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	25
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

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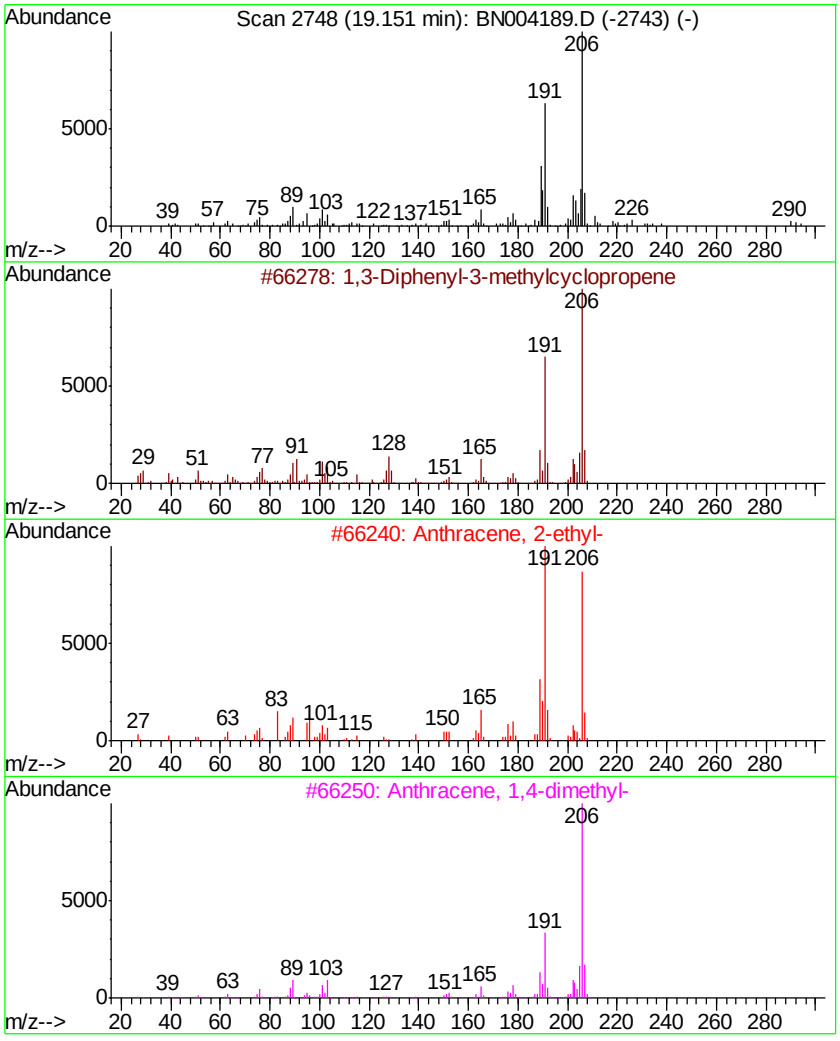
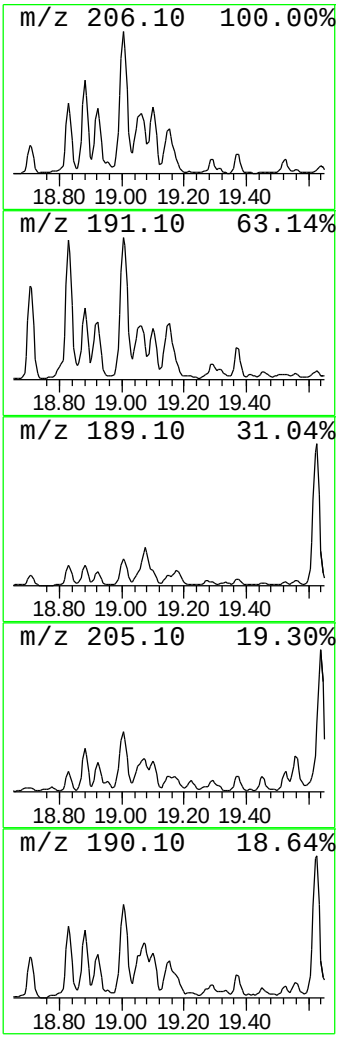
Peak Number 36 1,3-Diphenyl-3-methylcyclop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	12.80 ng/ul	264590	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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

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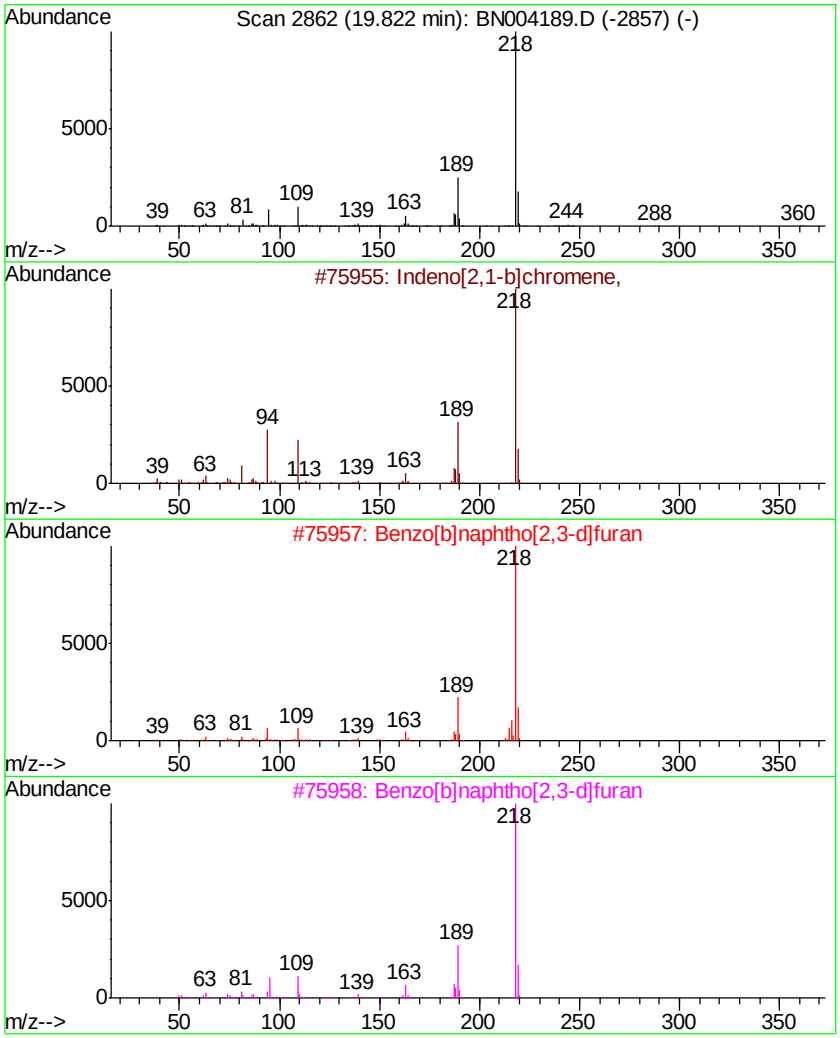
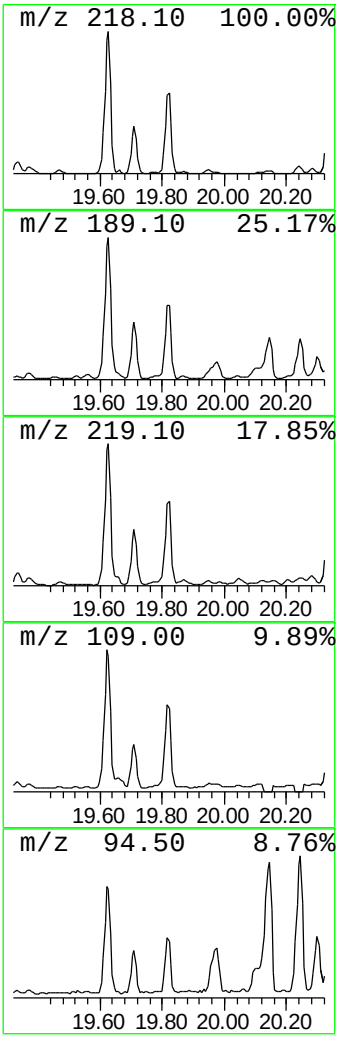
Peak Number 37 Indeno[2,1-b]chromene, Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	3.03 ng/ul	1119120	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	94
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-22
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB567

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, 2-et...	13.49	7.7	ng/ul	204639	3	14.46	528782	20.0
Naphthalene, 2,6-...	13.62	7.2	ng/ul	190591	3	14.46	528782	20.0
Naphthalene, 2,3-...	13.78	14.7	ng/ul	388802	3	14.46	528782	20.0
unknown-01	14.77	10.1	ng/ul	266480	3	14.46	528782	20.0
1-Isopropenylnaph...	15.63	12.6	ng/ul	333875	3	14.46	528782	20.0
Diphenylmethane	15.67	21.4	ng/ul	566364	3	14.46	528782	20.0
Benzene, [1-(2,4-...	15.72	5.9	ng/ul	155366	3	14.46	528782	20.0
1,1'-Biphenyl, 2-...	15.76	12.8	ng/ul	339385	3	14.46	528782	20.0
[1,1'-Biphenyl]-4...	15.80	19.9	ng/ul	526243	3	14.46	528782	20.0
Dibenzofuran, 4-m...	15.95	36.5	ng/ul	754877	4	17.22	413526	20.0
Naphthalene, 1,2,...	16.15	10.7	ng/ul	221684	4	17.22	413526	20.0
Anthracene, 9,10-...	16.30	20.0	ng/ul	413758	4	17.22	413526	20.0
9H-Fluorene, 2-me...	16.51	40.9	ng/ul	844889	4	17.22	413526	20.0
9H-Fluorene, 1-me...	16.66	14.2	ng/ul	293463	4	17.22	413526	20.0
Anthracene, 1,2,3...	16.96	28.8	ng/ul	595697	4	17.22	413526	20.0
Dibenzothiophene	17.03	63.5	ng/ul	1312640	4	17.22	413526	20.0
Anthracene, 9-eth...	17.73	13.7	ng/ul	282684	4	17.22	413526	20.0
1-Methyldibenzoth...	17.79	18.7	ng/ul	387431	4	17.22	413526	20.0
4-Methylnaphtho[1...	17.93	16.1	ng/ul	332781	4	17.22	413526	20.0
Phenanthrene, 2-m...	18.09	86.2	ng/ul	1781690	4	17.22	413526	20.0
4H-Cyclopenta[def...	18.29	176.3	ng/ul	3645590	4	17.22	413526	20.0
Naphthalene, 2-ph...	18.59	64.2	ng/ul	1327620	4	17.22	413526	20.0
Anthracene, 9-ethyl-	18.70	7.4	ng/ul	153448	4	17.22	413526	20.0
Phenanthrene, 4,5...	18.83	21.0	ng/ul	433687	4	17.22	413526	20.0
Phenanthrene, 3,6...	18.88	17.5	ng/ul	362616	4	17.22	413526	20.0
Phenanthrene, 2,5...	19.00	39.8	ng/ul	821816	4	17.22	413526	20.0
unknown-02	19.07	23.6	ng/ul	487042	4	17.22	413526	20.0
1,3-Diphenyl-3-me...	19.15	12.8	ng/ul	264590	4	17.22	413526	20.0
Indeno[2,1-b]chro...	19.82	3.0	ng/ul	1119120	5	21.42	7392220	20.0