LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.912	631	639	648	rBV	2271804	3839663	3.77%	0.350%
2	7.077	661	667	675	rVB	1756650	2669899	2.62%	0.243%
3	7.277	691	701	708	rBV	2315195	3653896	3.58%	0.333%
4	7.741	771	780	787	rBV	2313804	3623981	3.55%	0.330%
5	8.441	893	899	906	rBV	2720728	4347072	4.26%	0.396%
6	8.894	969	976	984	rVV	2180293	3527915	3.46%	0.322%
7	9.612	1089	1098	1106	rBV	1494897	2457188	2.41%	0.224%
8	10.147	1180	1189	1199	rBV	2871553	4785240	4.69%	0.436%
9	10.530	1244	1254	1258	rBV	3232919	5630262	5.52%	0.513%
10	10.577	1258	1262	1269	rVV	2975937	4722753	4.63%	0.431%
11	10.665	1270	1277	1298	rVB	1162344	2499222	2.45%	0.228%
12	12.194	1530	1537	1544	rVB	1601916	2515087	2.47%	0.229%
13	12.412	1565	1574	1583	rVB	1275590	2058450	2.02%	0.188%
14	13.624	1775	1780	1788	rBV	1430037	2301939	2.26%	0.210%
15	13.706	1788	1794	1799	rVV	1176007	2048436	2.01%	0.187%
16	13.794	1805	1809	1813	rVV	4779682	6468196	6.34%	0.590%
17	13.841	1813	1817	1825	rVB	1910267	2586597	2.54%	0.236%
18	14.076	1851	1857	1873	rVB2	5652824	10387728	10.19%	0.947%
19	14.388	1900	1910	1915	rBV3	4685026	7985215	7.83%	0.728%
20	14.453	1915	1921	1928	rVB	7543547	11024554	10.81%	1.005%
21	14.594	1938	1945	1949	rBV	2226539	3547661	3.48%	0.324%
22	14.647	1949	1954	1960	rVV	11269057	18501629	18.14%	1.687%
23	14.788	1973	1978	1985	rVV	4840288	7312423	7.17%	0.667%
24	15.382	2070	2079	2084	rVV2	6842797	12377210	12.14%	1.129%
25	15.441	2084	2089	2099	rVV	9445676	14154465	13.88%	1.291%
26	15.565	2107	2110	2113	rVV	1231628	1706893	1.67%	0.156%
27	15.600	2113	2116	2121	rVV	1583670	2382282	2.34%	0.217%
28	15.688	2127	2131	2134	rVV	992040	1492275	1.46%	0.136%
29	15.735	2134	2139	2148	rVV	2064802	3275692	3.21%	0.299%
30	15.876	2148	2163	2171	rVV	2245206	5140190	5.04%	0.469%
31	16.112	2194	2203	2210	rVB4	1208647	2381228	2.34%	0.217%
32	16.447	2248	2260	2264	rBV3	2178929	5334511	5.23%	0.486%
33	16.494	2264	2268	2273	rVV2	1223027	1760227	1.73%	0.161%
34	16.594	2281	2285	2290	rVB	1017955	1540805	1.51%	0.141%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	16.800	2315	2320	2327	rVB	3417860	5146396	5.05%	0.469%
36	16.870	2327	2332	2334	rBV2	1396145	2089245	2.05%	0.191%
37	16.959	2342	2347	2357	rVB	5811376	8796013	8.63%	0.802%
38	17.147	2373	2379	2381	rBV	4414111	7094670	6.96%	0.647%
39	17.206	2381	2389	2393	rVV2	34783611	82252309	80.66%	7.501%
40	17.247	2393	2396	2399	rVV2	7827839	12131603	11.90%	1.106%
41	17.288	2399	2403	2407	rVV	20472977	30189257	29.60%	2.753%
42	17.335	2407	2411	2416	rVB	3492134	5022499	4.93%	0.458%
43	17.547	2437	2447	2453	rBV2	10958478	20961245	20.56%	1.912%
44	17.659	2460	2466	2470	rBV2	1913416	2966649	2.91%	0.271%
45	17.723	2471	2477	2484	rVB5	1821673	3978703	3.90%	0.363%
46	17.864	2497	2501	2510	rVB	986254	1840919	1.81%	0.168%
47	18.023	2518	2528	2531	rBV	10056722	17450997	17.11%	1.591%
48	18.070	2531	2536	2542	rVV	13904335	22425538	21.99%	2.045%
49	18.153	2544	2550	2555	rVB	5613276	8657233	8.49%	0.789%
50	18.223	2555	2562	2565	rBV3	16286533	29898832	29.32%	2.727%
51	18.253	2565	2567	2573	rVB	6823289	8539793	8.37%	0.779%
52	18.323	2575	2579	2583	rVV2	1246477	2102137	2.06%	0.192%
53	18.370	2583	2587	2591	rVV3	1622558	2230042	2.19%	0.203%
54	18.417	2591	2595	2599	rVV4	938571	1597913	1.57%	0.146%
55	18.464	2599	2603	2608	rVV4	948047	2098794	2.06%	0.191%
56	18.523	2608	2613	2617	rVV	8258739	11362610	11.14%	1.036%
57	18.576	2617	2622	2631	rVV	7402528	10681042	10.47%	0.974%
58	18.770	2651	2655	2659	rVB	2159186	2703689	2.65%	0.247%
59	18.823	2660	2664	2667	rVV	2099884	2533293	2.48%	0.231%
60	18.859	2667	2670	2674	rVB2	1848124	2270062	2.23%	0.207%
61	18.947	2679	2685	2689	rBV2	3750926	7679108	7.53%	0.700%
62	19.011	2693	2696	2699	rVB2	1448899	1801016	1.77%	0.164%
63	19.100	2706	2711	2718	rVB3	3793466	7312250	7.17%	0.667%
64	19.235	2725	2734	2739	rBV2	33700901	84114111	82.48%	7.671%
65	19.317	2744	2748	2753	rVV	2737287	4073676	3.99%	0.371%
66	19.364	2753	2756	2760	rVB	1500355	1897580	1.86%	0.173%
67	19.453	2761	2771	2776	rBV3	3546811	9559185	9.37%	0.872%
68	19.600	2783	2796	2801	rBV6	32644855	101975458	100.00%	9.300%
69	19.653	2801	2805	2812	rVB2	4445261	6918976	6.78%	0.631%
70	19.758	2818	2823	2829	rBV	5479274	7832203	7.68%	0.714%
71	19.823	2830	2834	2839	rVB	5428983	7791477	7.64%	0.711%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	19.900	2842	2847	2849	rBV	5084878	8908974	8.74%	0.812%
73	19.958	2854	2857	2861	rVV	2297781	2650842	2.60%	0.242%
74	20.041	2866	2871	2873	rVV3	4801506	7916237	7.76%	0.722%
75	20.082	2874	2878	2883	rVB	13931645	20057742	19.67%	1.829%
76	20.182	2890	2895	2899	rBV	12136112	16858904	16.53%	1.537%
77	20.241	2899	2905	2908	rVV2	6978350	13079236	12.83%	1.193%
78	20.276	2908	2911	2915	rVB	3077897	3551889	3.48%	0.324%
79	20.317	2915	2918	2923	rVB3	1914280	2665180	2.61%	0.243%
80	20.382	2925	2929	2932	rBV	3832364	4950658	4.85%	0.451%
81	20.423	2933	2936	2941	rVB	3907935	5030730	4.93%	0.459%
82	20.788	2996	2998	3002	rBV2	1450476	2155893	2.11%	0.197%
83	20.835	3002	3006	3011	rVB	5124420	7367303	7.22%	0.672%
84	21.000	3030	3034	3037	rBV4	5516493	8028169	7.87%	0.732%
85	21.035	3037	3040	3043	rVV	6744928	9117134	8.94%	0.831%
86	21.082	3045	3048	3052	rVV2	6275707	10149326	9.95%	0.926%
87	21.135	3054	3057	3067	rVB	5399825	8638664	8.47%	0.788%
88	21.352	3086	3094	3098	rBV3	24965065	52448522	51.43%	4.783%
89	21.405	3099	3103	3111	rVB	23136507	38079554	37.34%	3.473%
90	21.517	3118	3122	3127	rBV	7518236	11415689	11.19%	1.041%
91	21.570	3128	3131	3134	rVV2	2418714	3027288	2.97%	0.276%
92	21.676	3145	3149	3154	rVB2	5797374	8201097	8.04%	0.748%
93	21.917	3187	3190	3194	rVB2	4848211	6094415	5.98%	0.556%
94	22.117	3222	3224	3228	rBV2	2216368	3125808	3.07%	0.285%
95	22.211	3237	3240	3251	rVB4	3530645	6636249	6.51%	0.605%
96	22.982	3363	3371	3375	rBV	16221411	43372289	42.53%	3.955%
97	23.141	3394	3398	3403	rVB	5327477	8457517	8.29%	0.771%
98	23.464	3447	3453	3458	rBV	9395098	18404304	18.05%	1.678%
99	23.570	3464	3471	3477	rVB	16206539	35275268	34.59%	3.217%
100	23.705	3490	3494	3502	rVB2	6777004	12883698	12.63%	1.175%

Sum of corrected areas: 1096565886

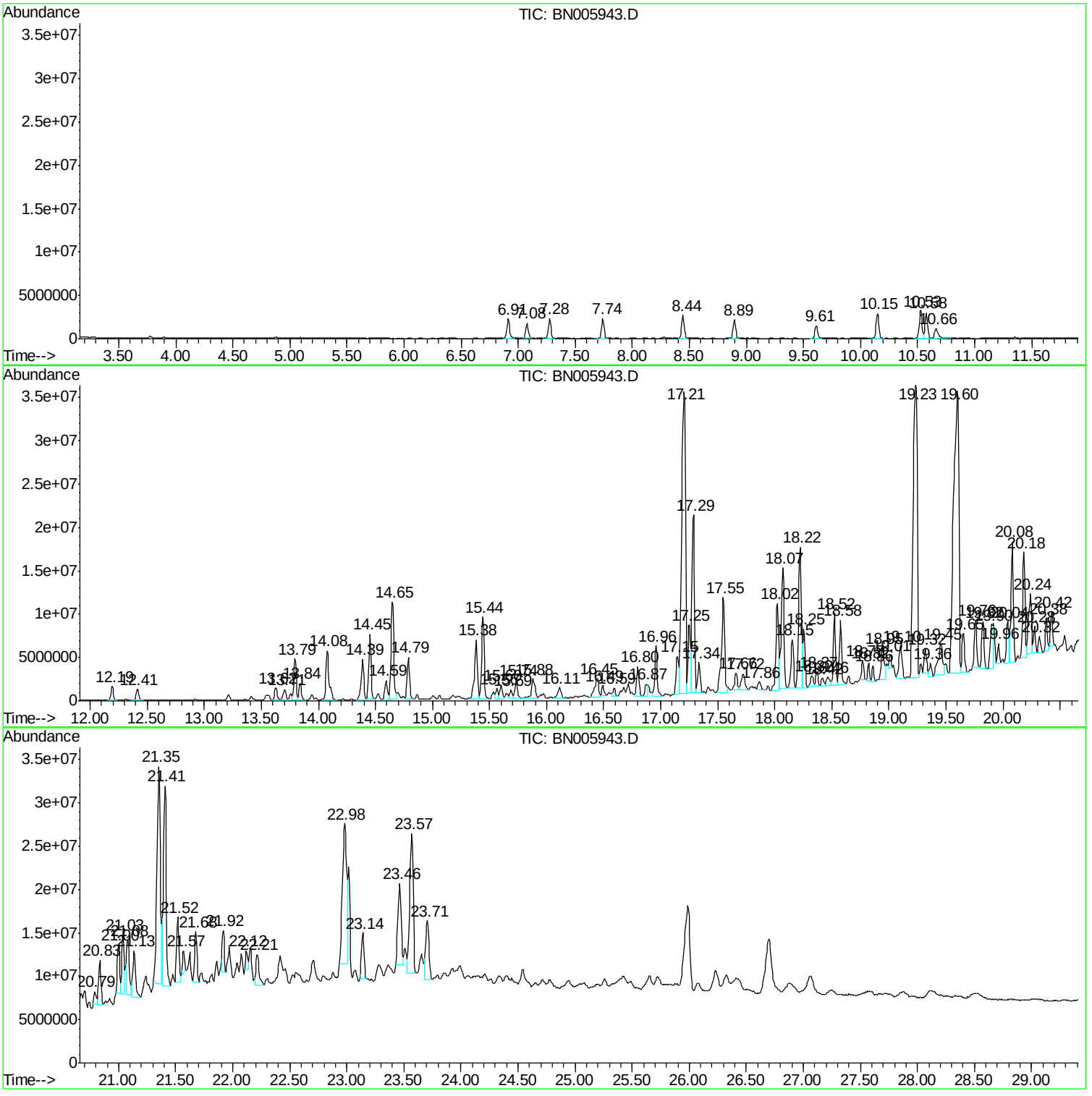
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

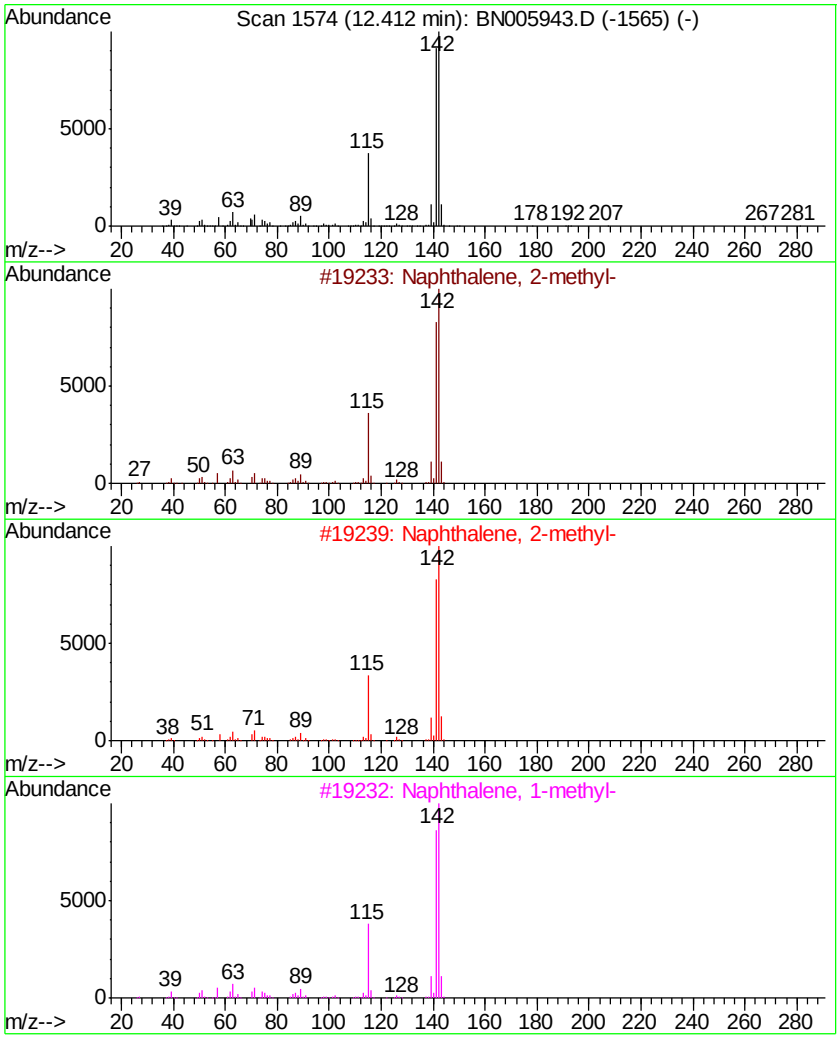
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

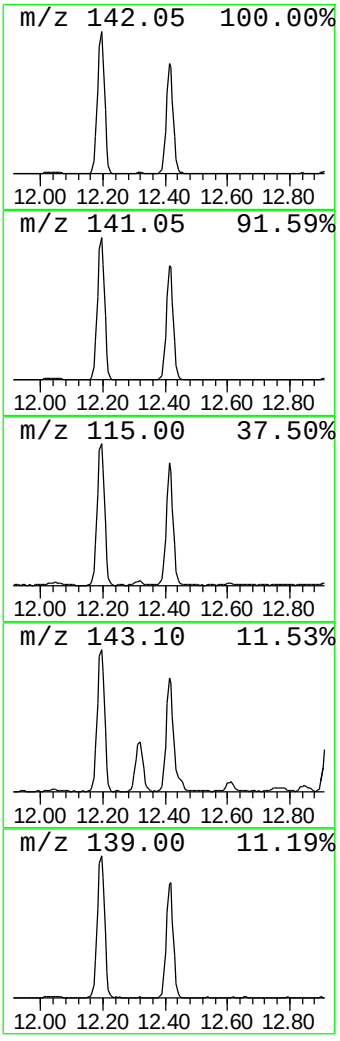
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	7.31 ng/ul	2058450	Naphthalene-d8	10.53

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

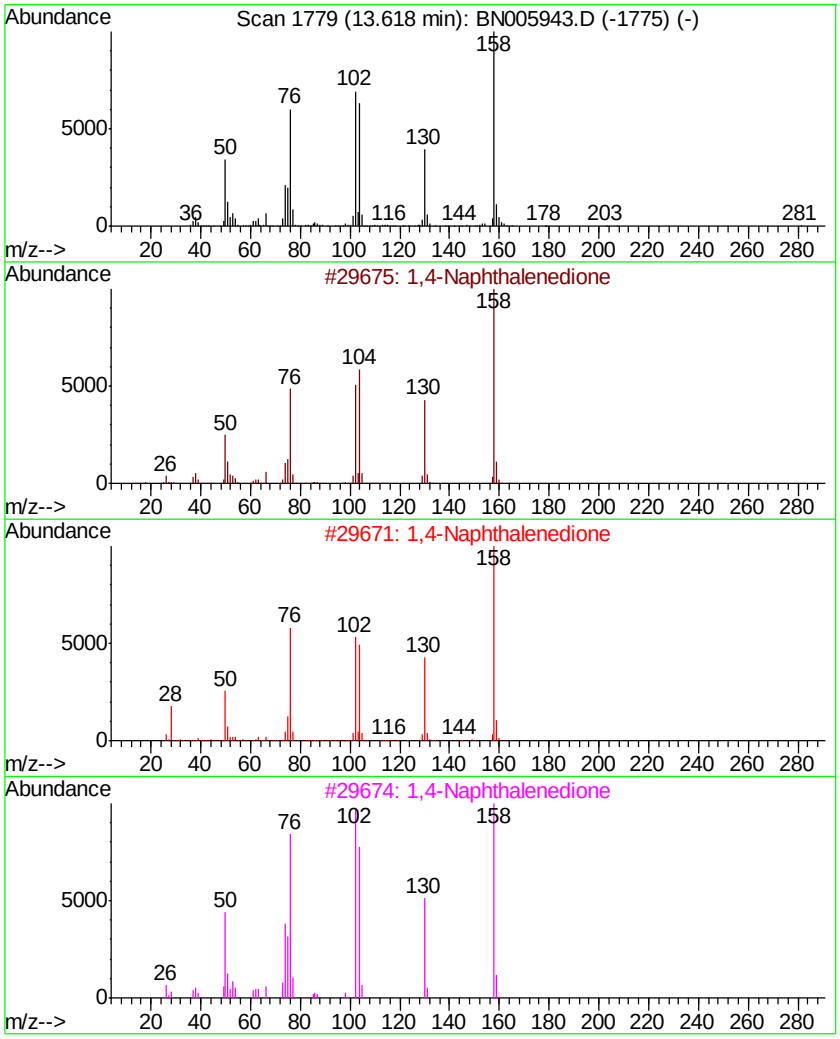
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

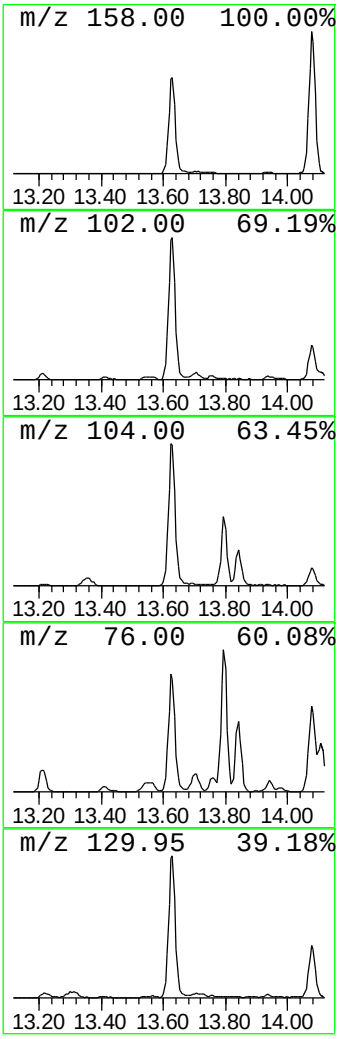
****

Peak Number 2 1,4-Naphthalenedione Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	5.77 ng/ul	2301940	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	96
2	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	96
3	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	95
4	Quinoxaline-2-carboxaldehyde	158	C9H6N2O	001593-08-4	50
5	4,5-Diaminophthalonitrile	158	C8H6N4	1000302-35-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

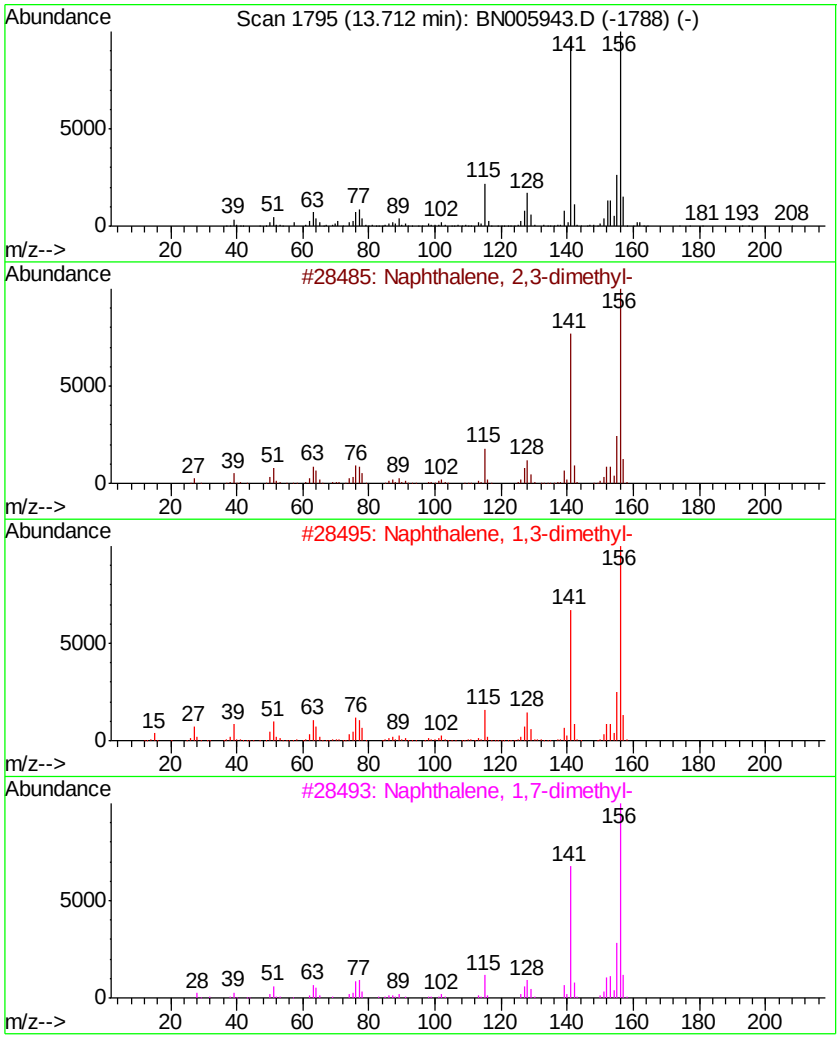
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

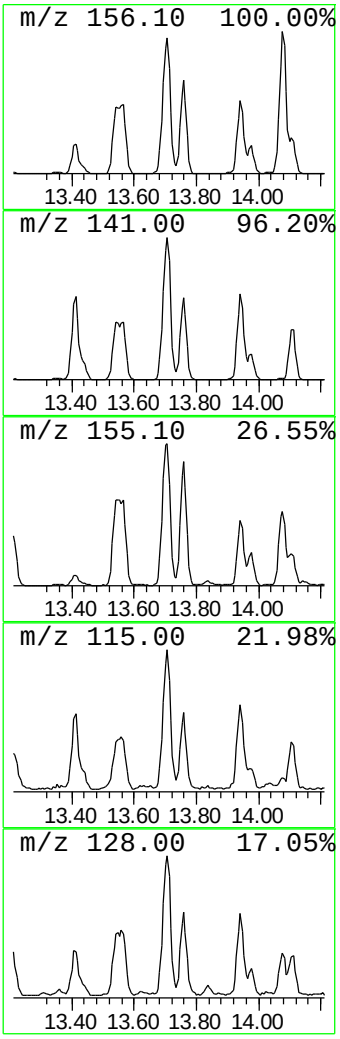
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	5.13 ng/ul	2048440	Acenaphthene-d10	14.39

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

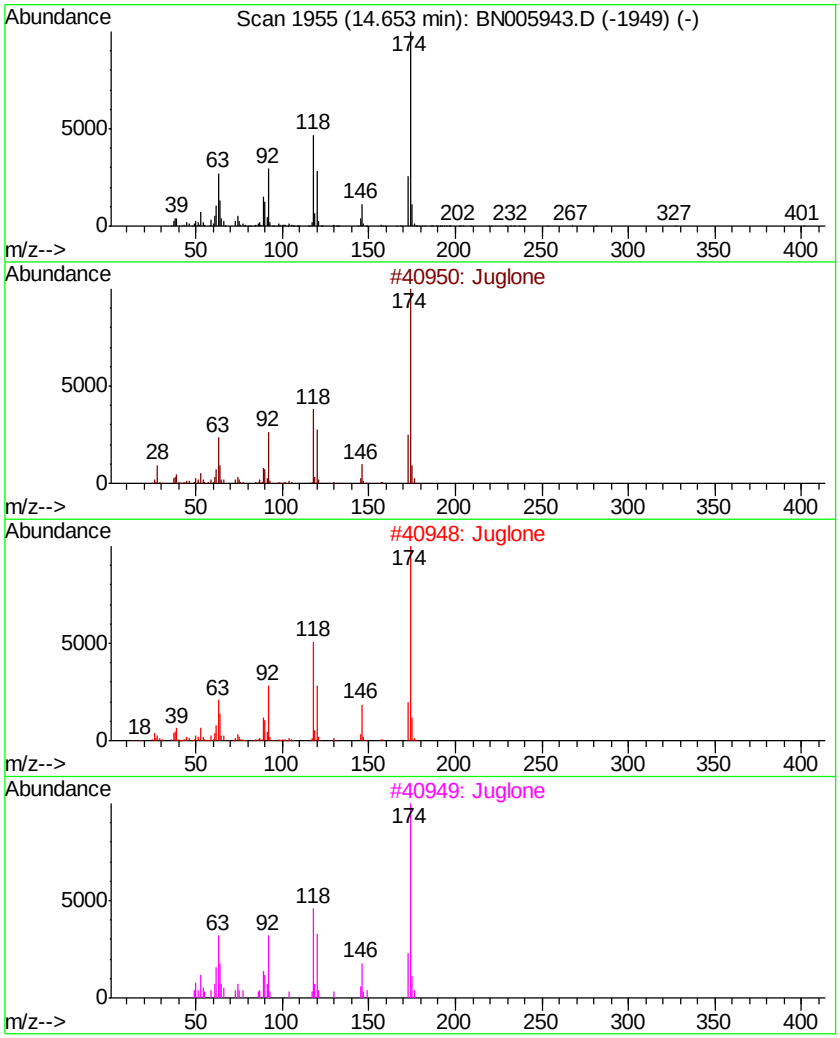
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

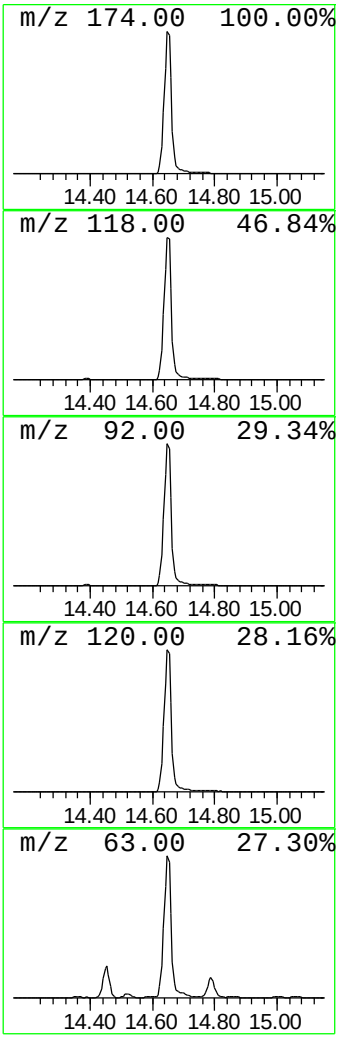
****

Peak Number 4 Juglone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	46.34 ng/ul	18501600	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Juglone	174	C10H6O3	000481-39-0	98
2	Juglone	174	C10H6O3	000481-39-0	94
3	Juglone	174	C10H6O3	000481-39-0	53
4	1-Methyl-5-(4-methylphenyl)tetra...	174	C9H10N4	068826-33-5	47
5	2,3-Dimethylchromone	174	C11H10O2	017584-90-6	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

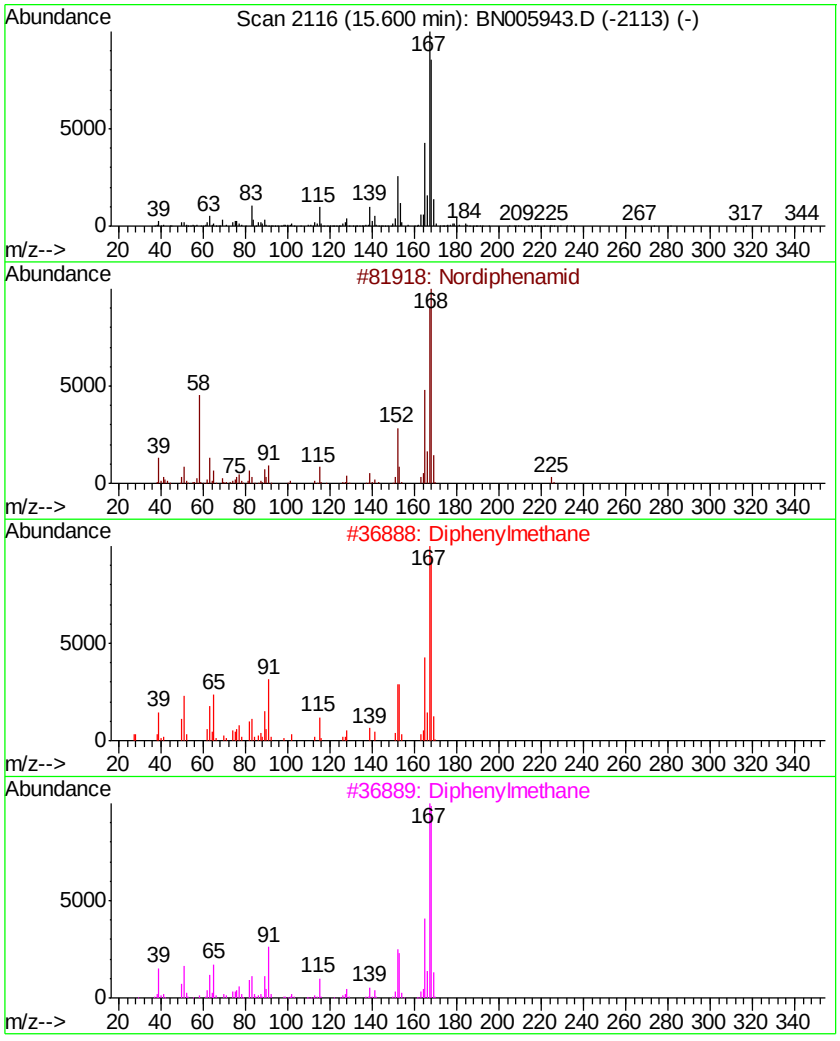
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

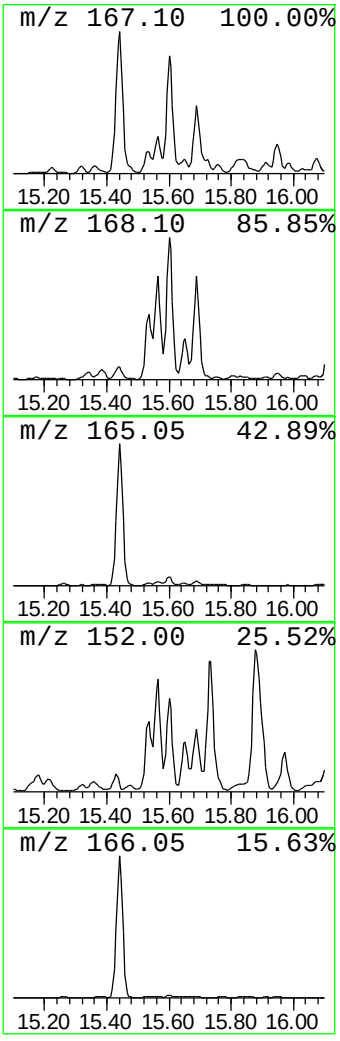
****

Peak Number 5 Nordiphenamid Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	5.97 ng/ul	2382280	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	90
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	76
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

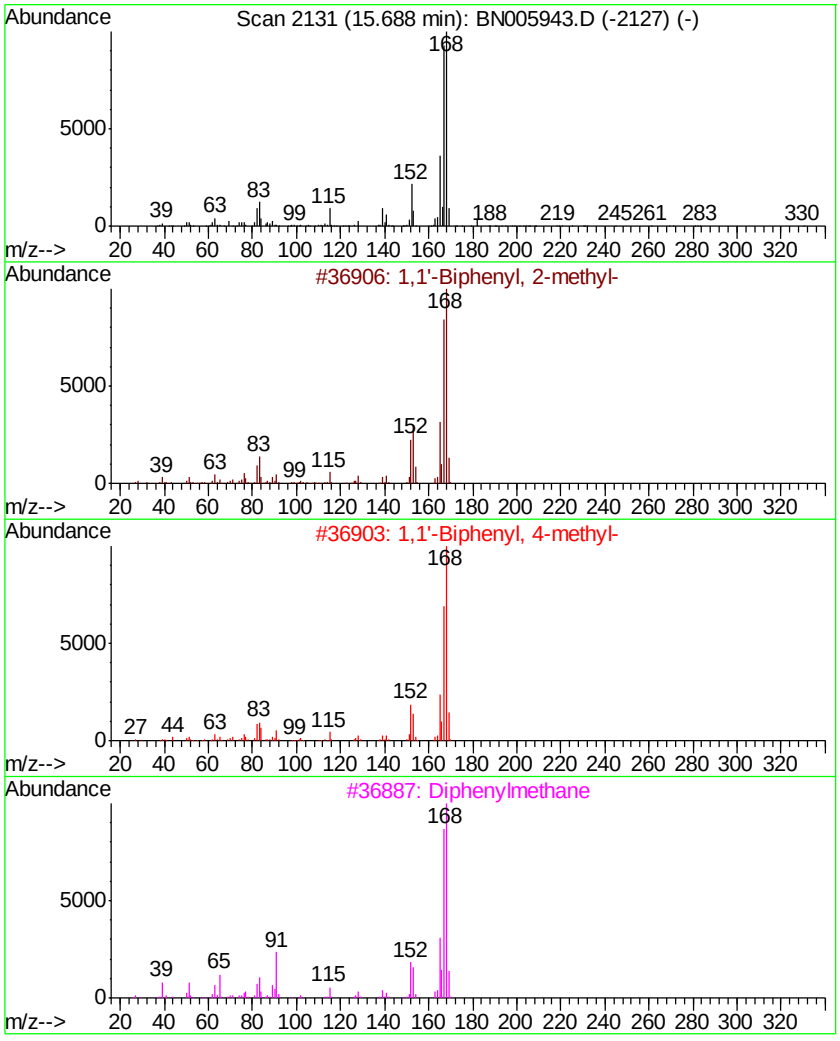
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

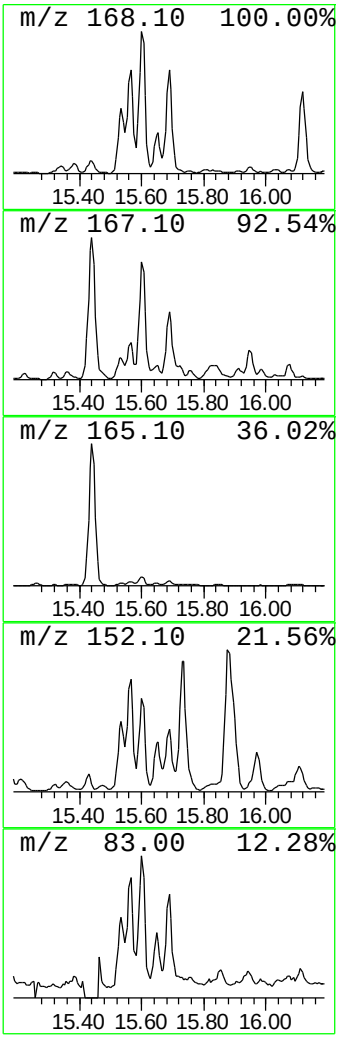
****

Peak Number 6 1,1'-Biphenyl, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	3.74 ng/ul	1492280	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

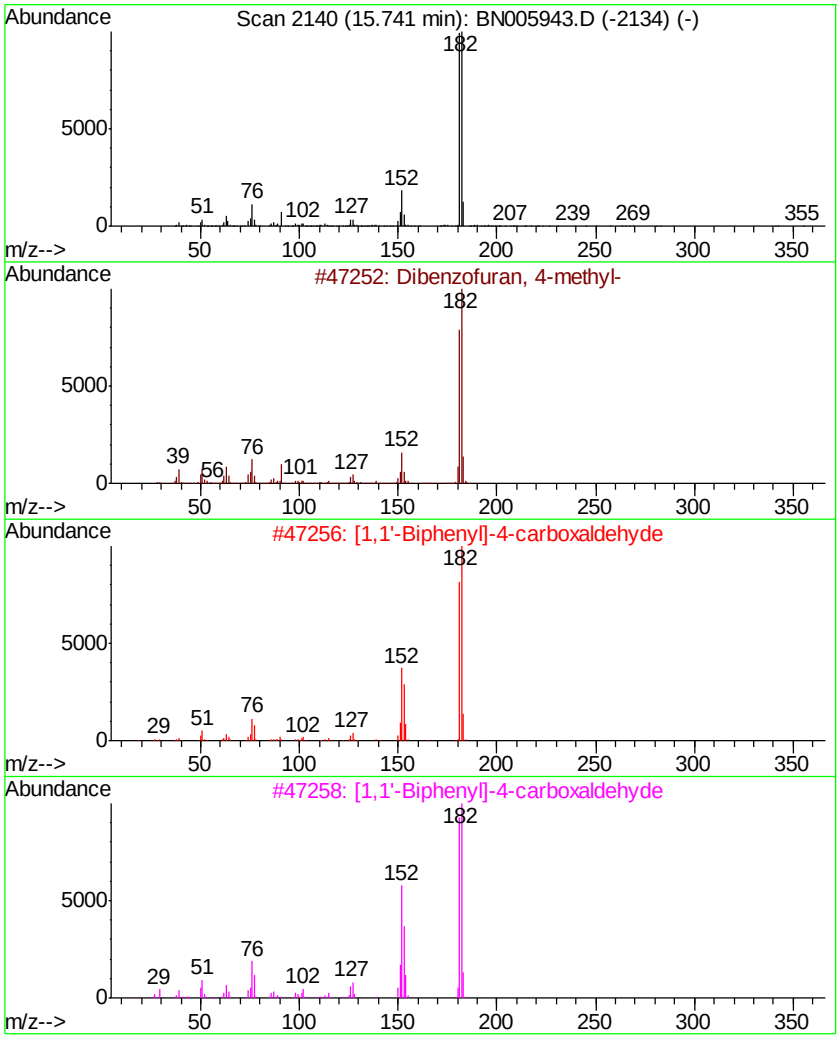
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

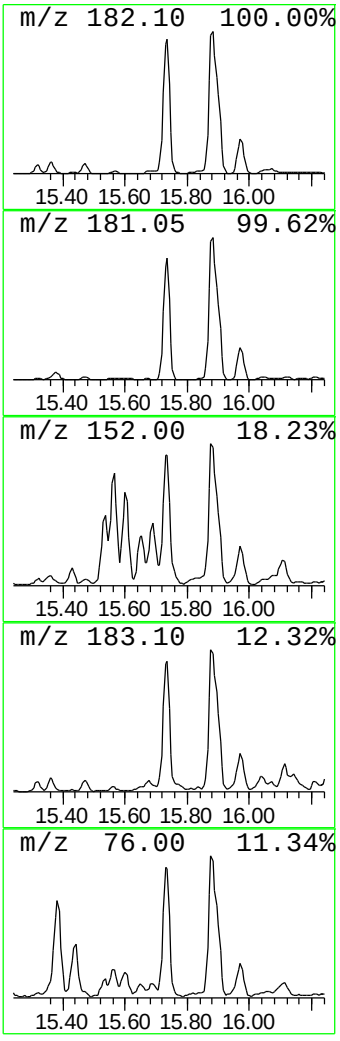
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	8.20 ng/ul	3275690	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

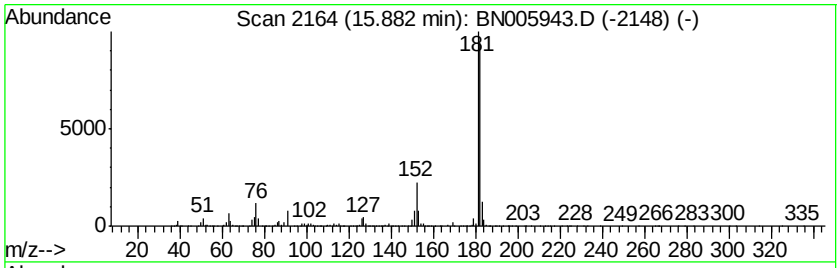
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

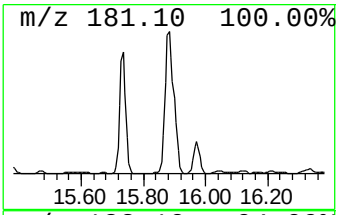
****

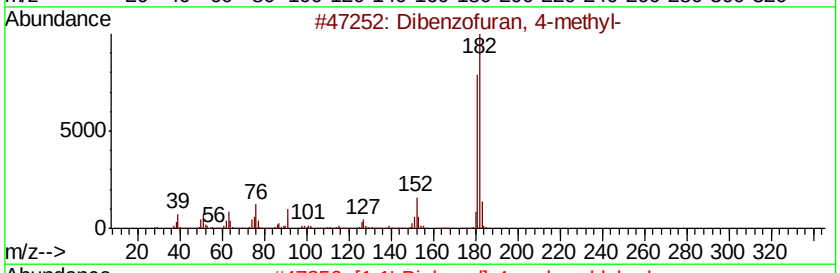
Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

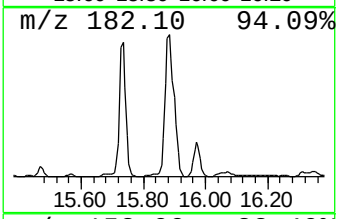
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	14.49 ng/ul	5140190	Phenanthrene-d10	17.15

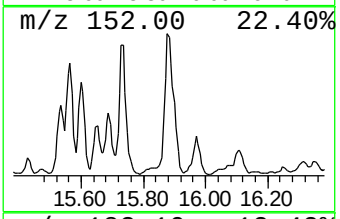
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78

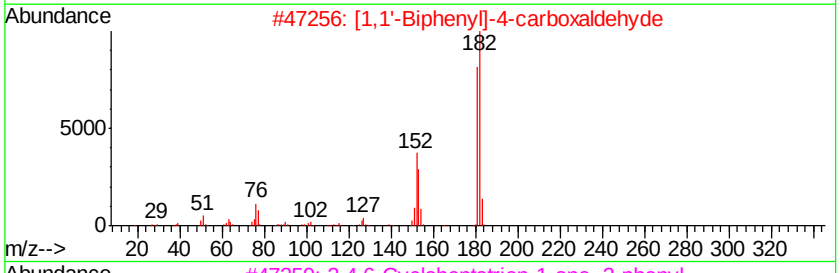


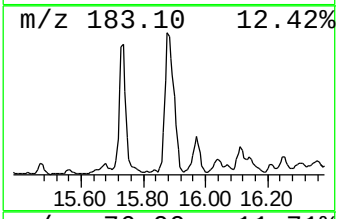


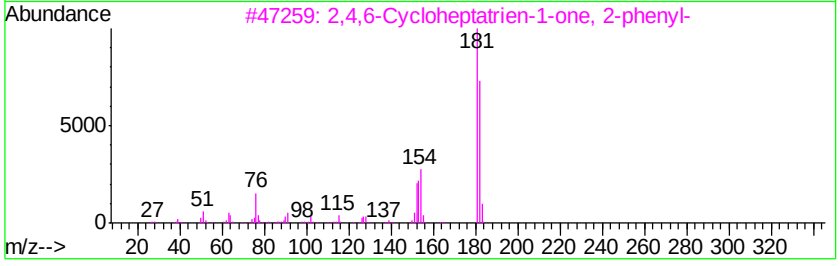


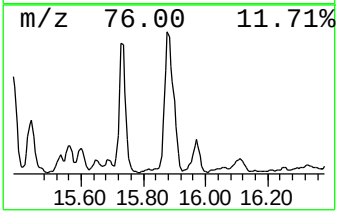












Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

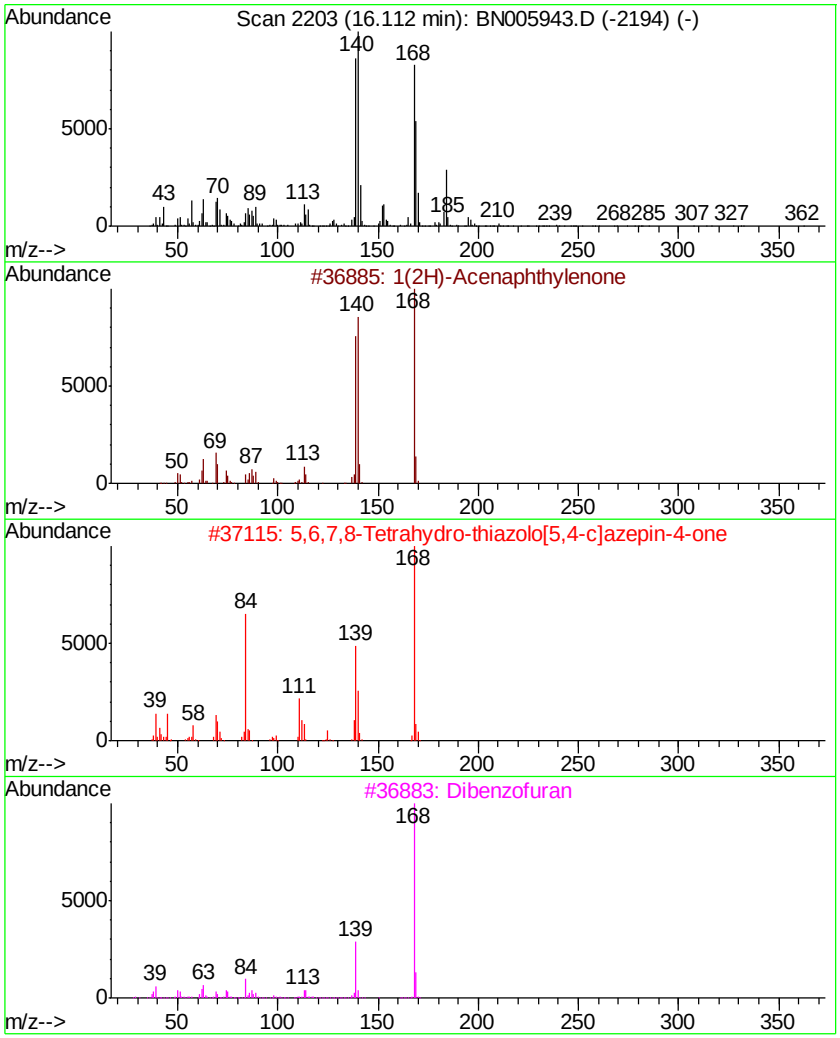
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

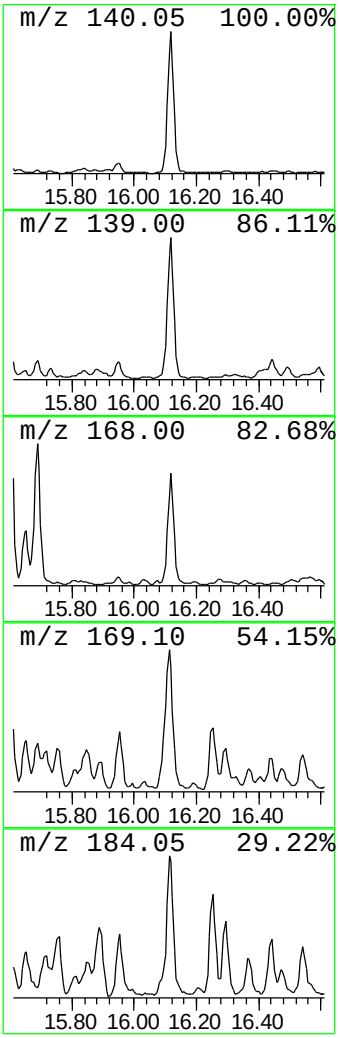
****

Peak Number 9 1(2H)-Acenaphthylenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	6.71 ng/ul	2381230	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	43
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	38
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

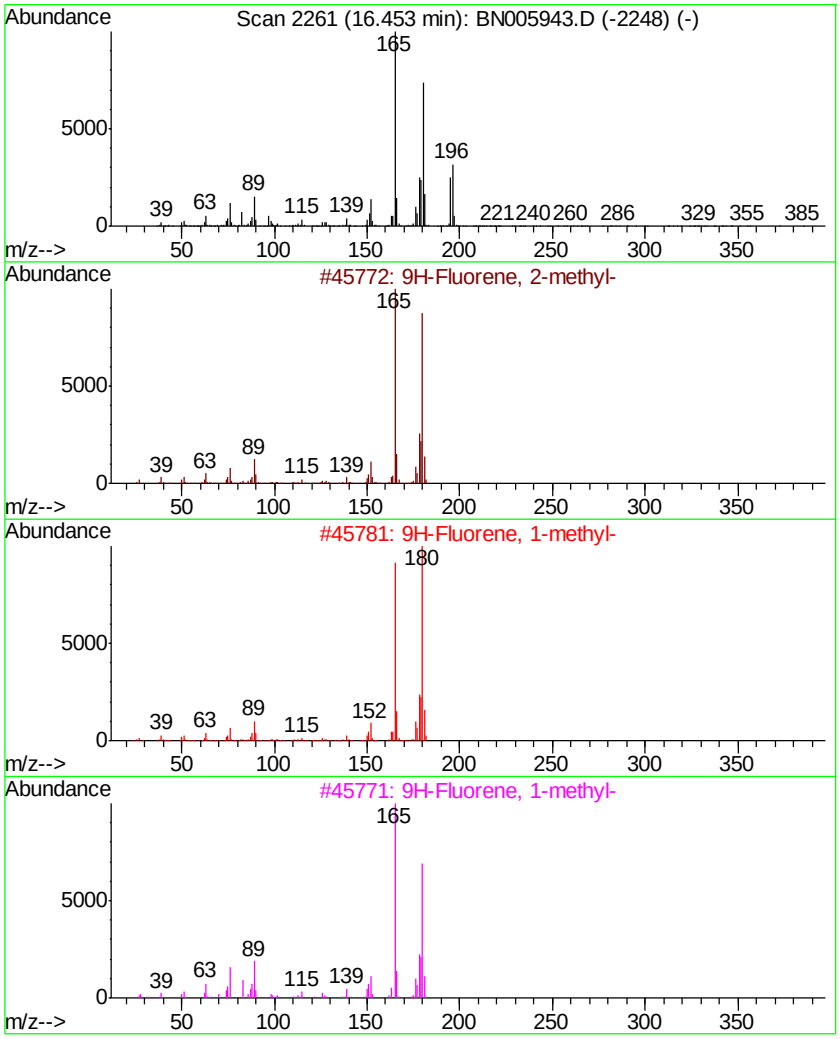
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

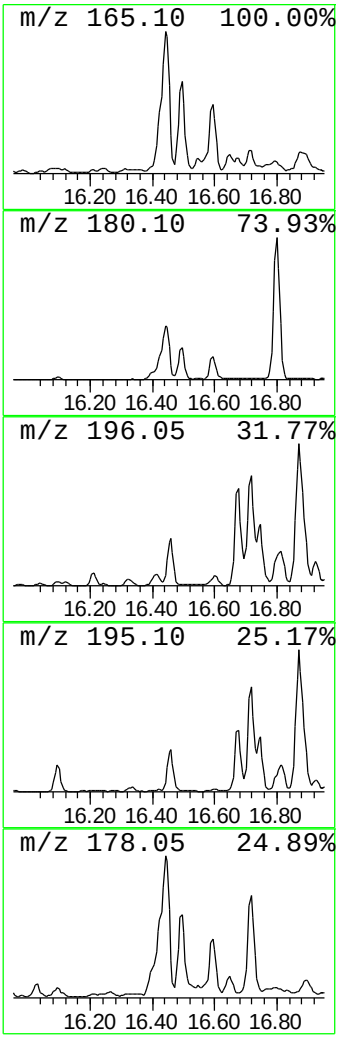
****

Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	15.04 ng/ul	5334510	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

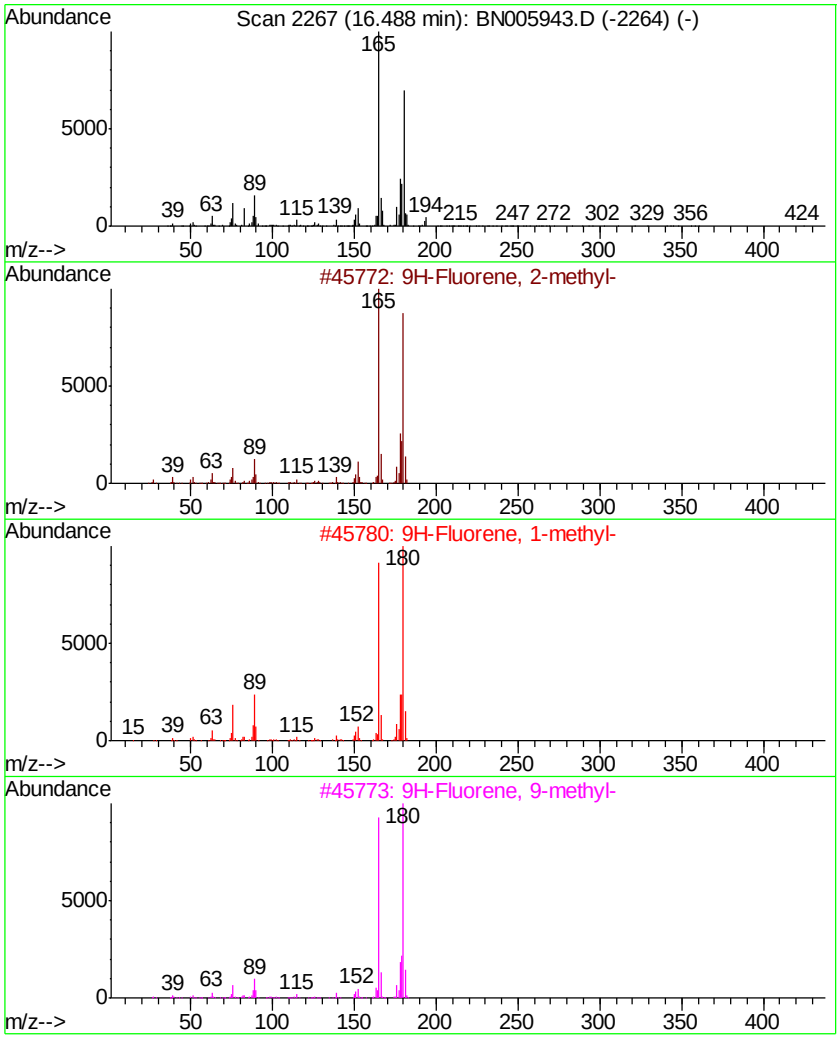
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

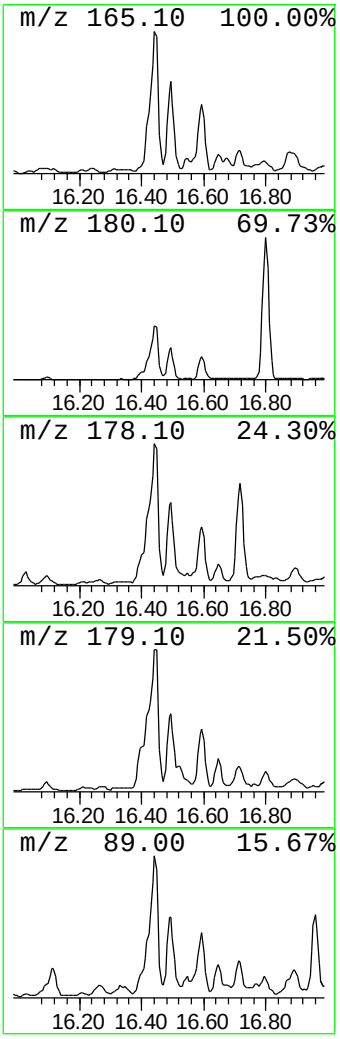
****

Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	4.96 ng/ul	1760230	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

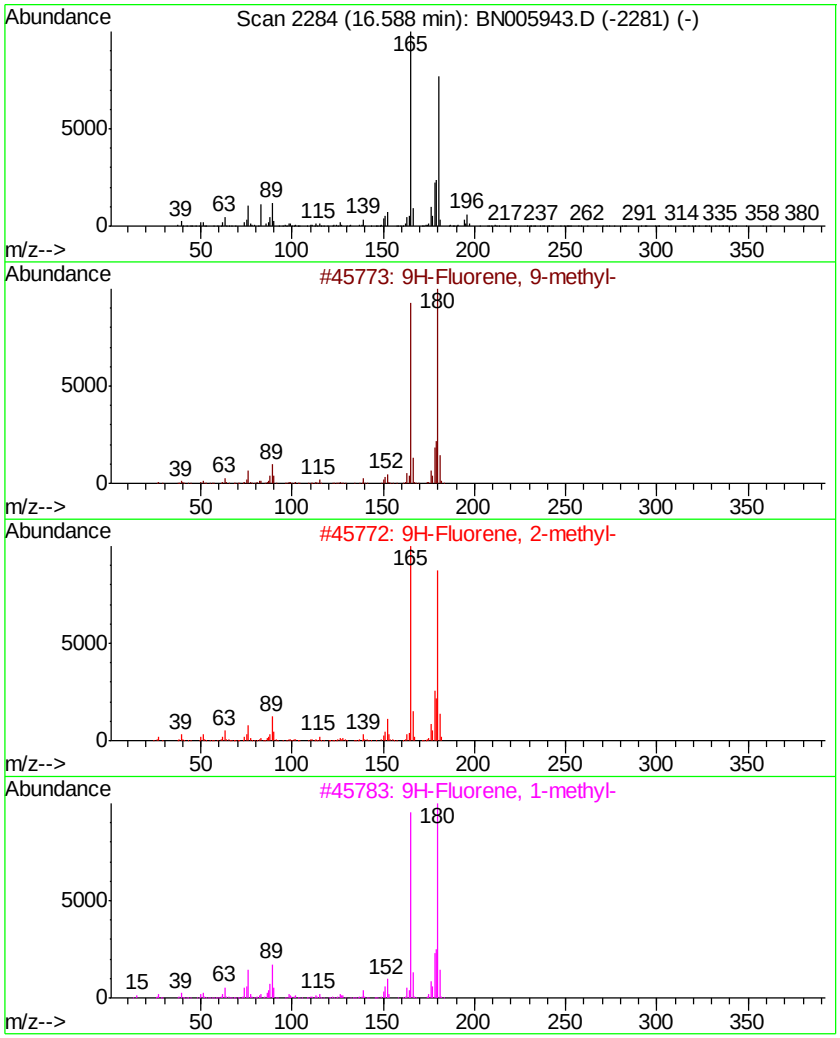
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

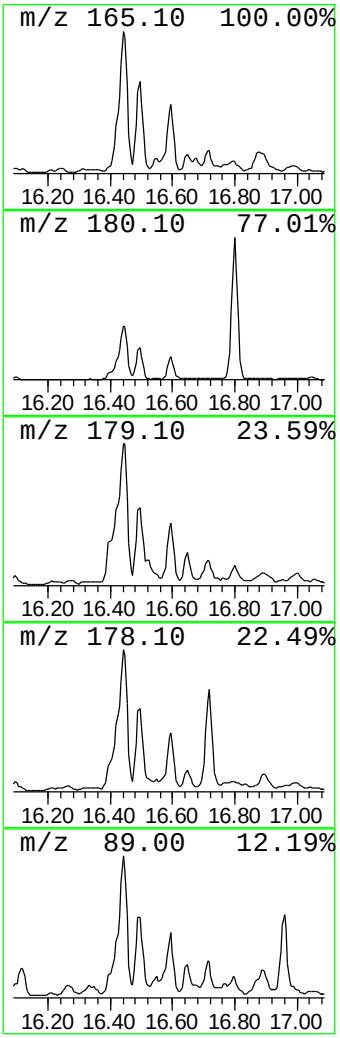
****

Peak Number 12 9H-Fluorene, 9-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	4.34 ng/ul	1540810	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

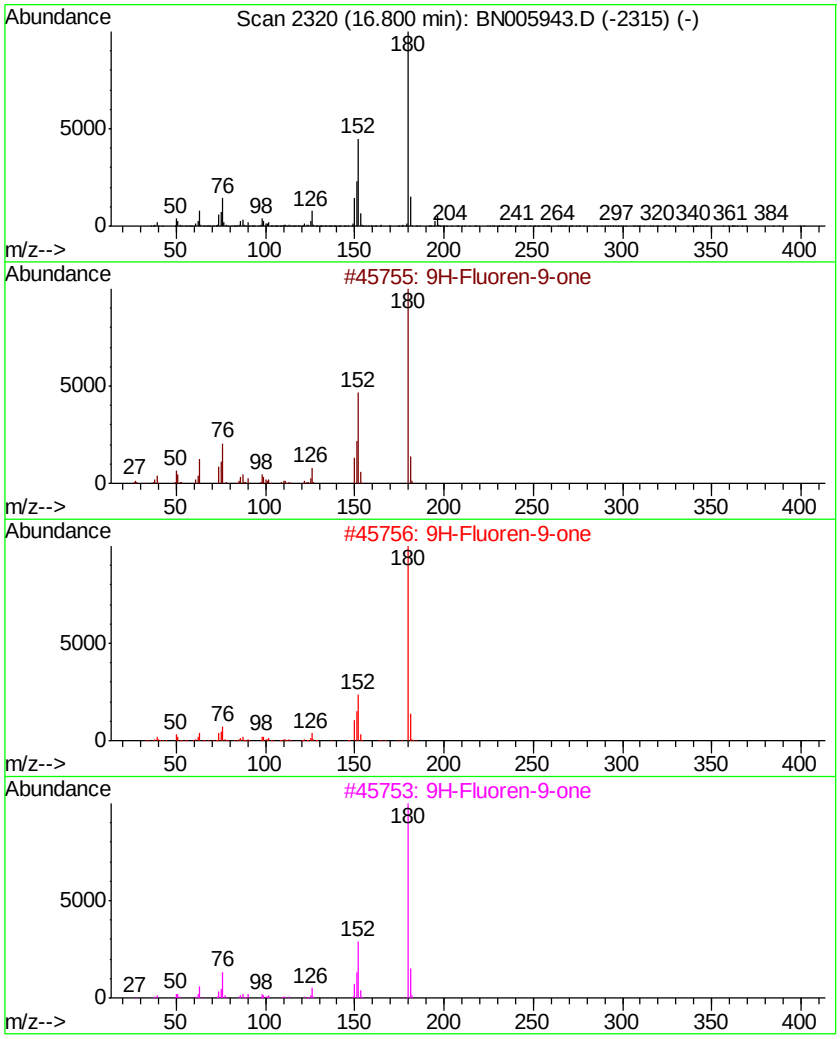
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

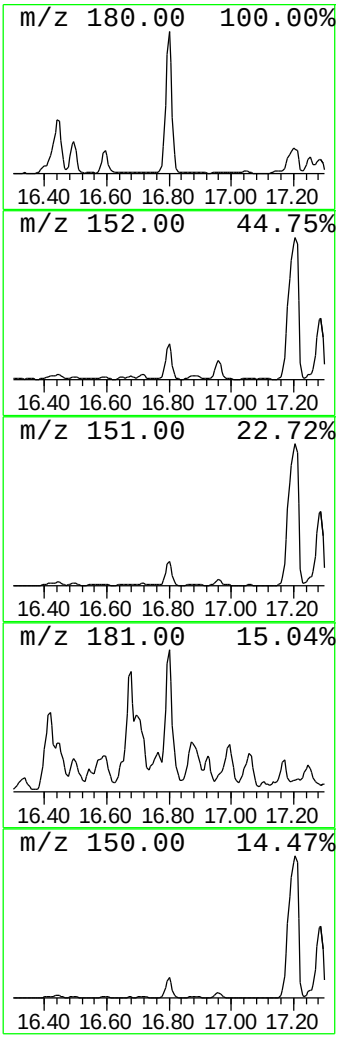
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	14.51 ng/ul	5146400	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

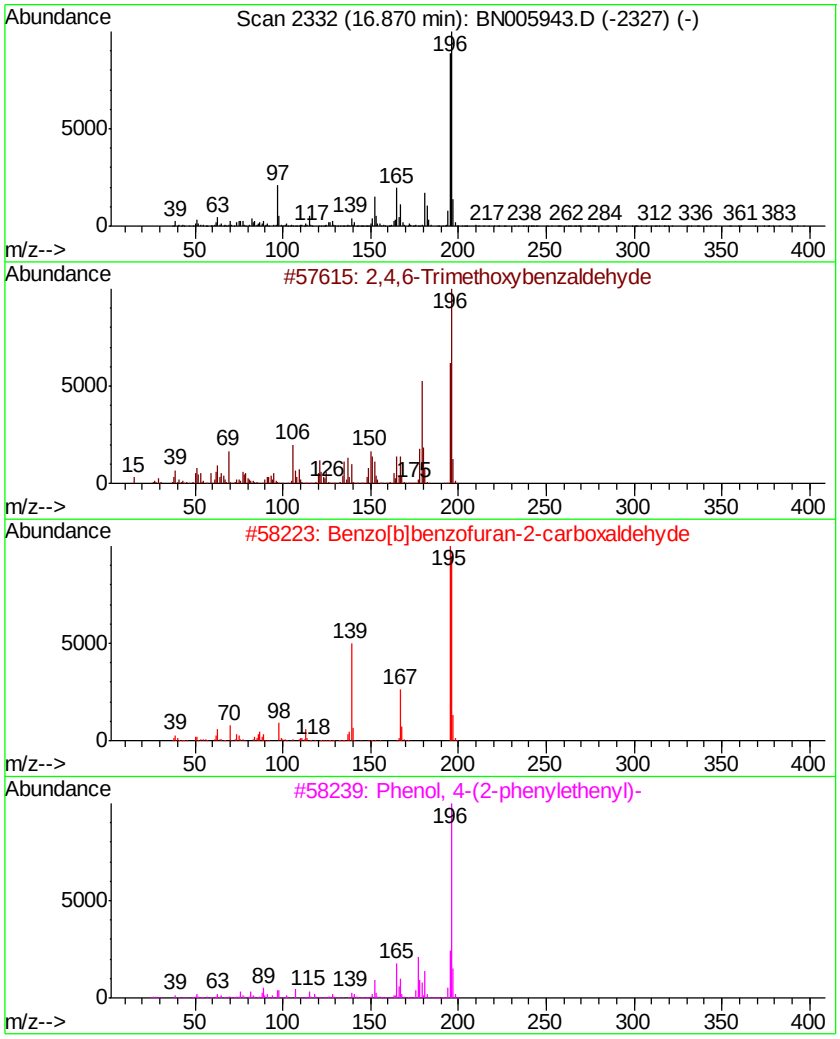
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

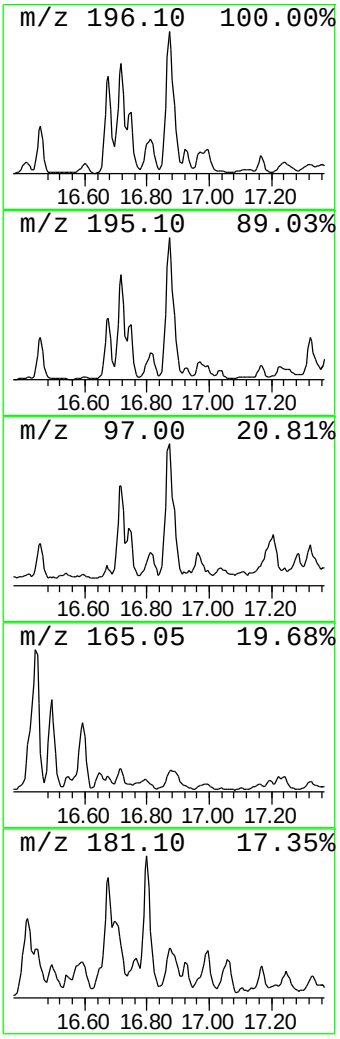
****

Peak Number 14 2,4,6-Trimethoxybenzaldehyde Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	5.89 ng/ul	2089250	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	70
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

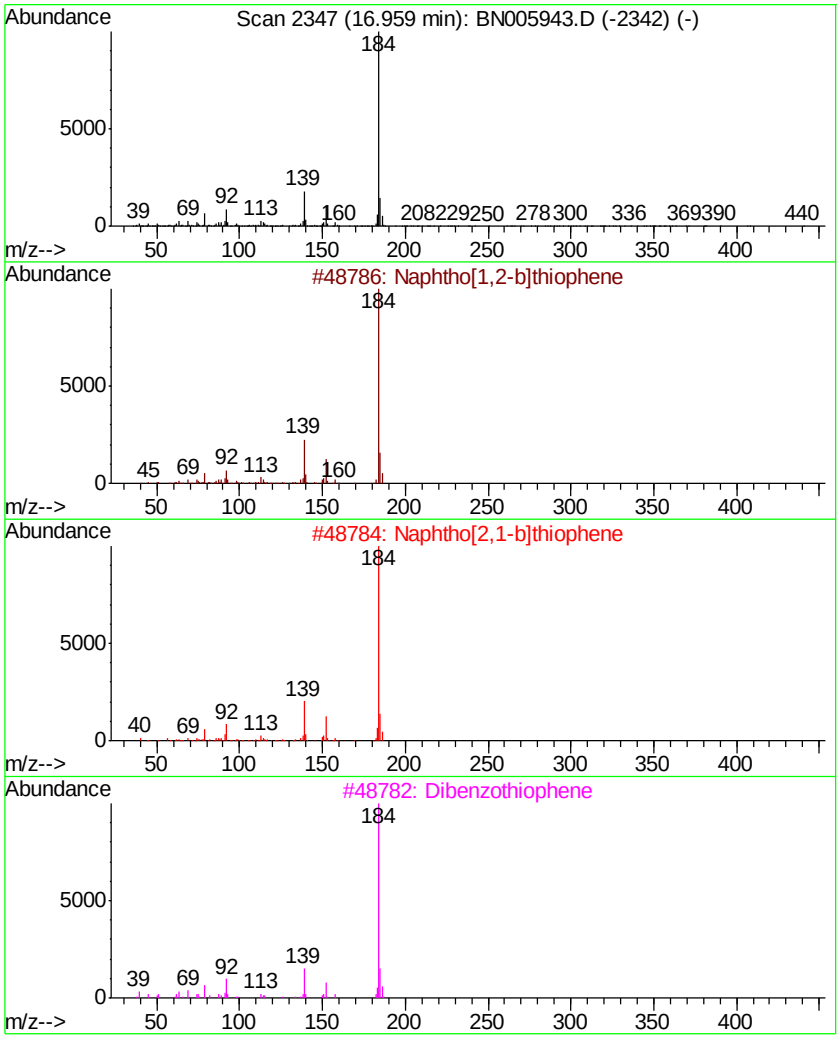
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

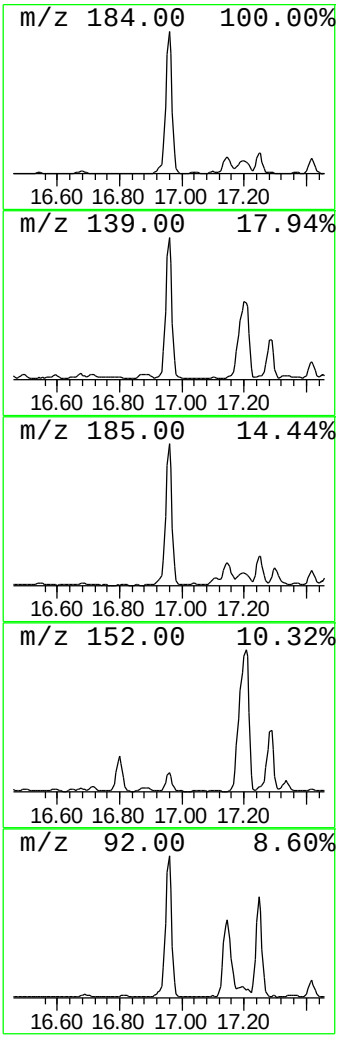
****

Peak Number 15 Naphtho[1,2-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	24.80 ng/ul	8796010	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

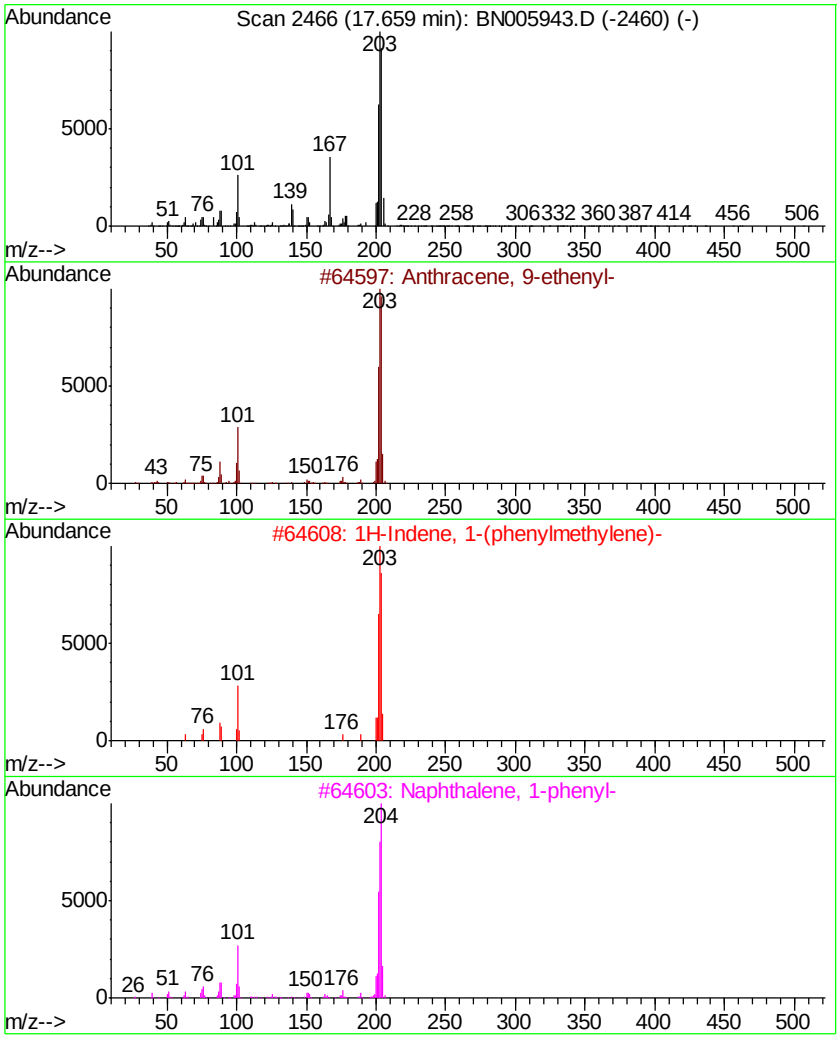
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

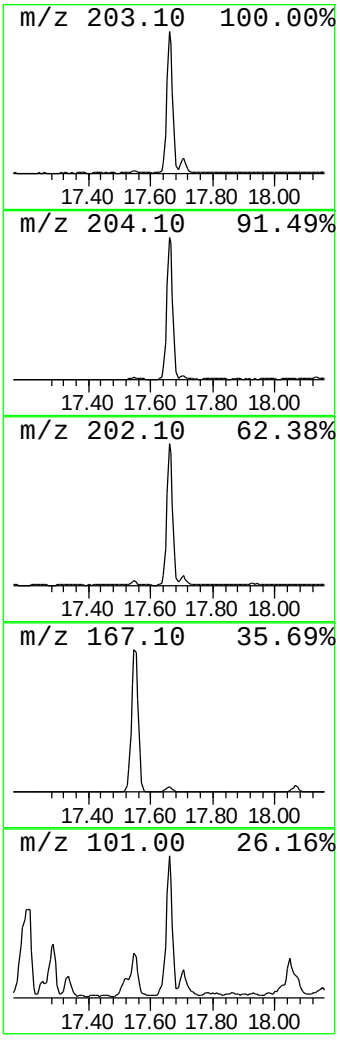
****

Peak Number 16 Anthracene, 9-ethenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	8.36 ng/ul	2966650	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	96
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	93
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	86
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

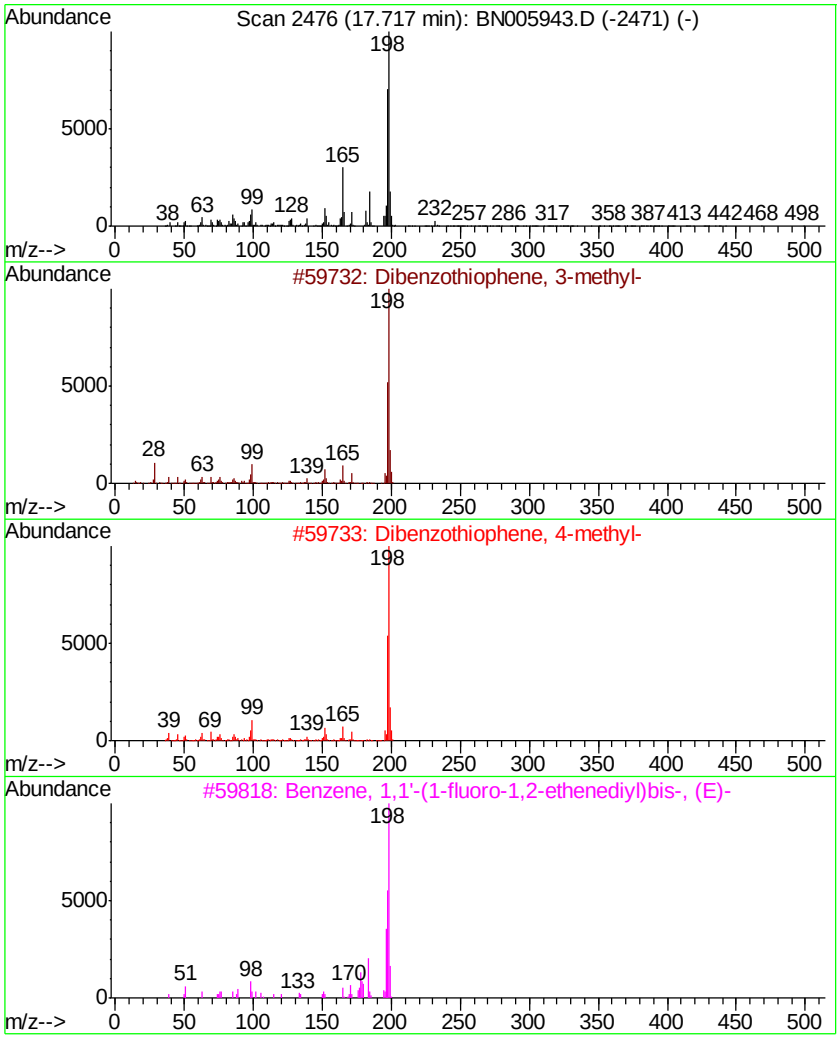
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

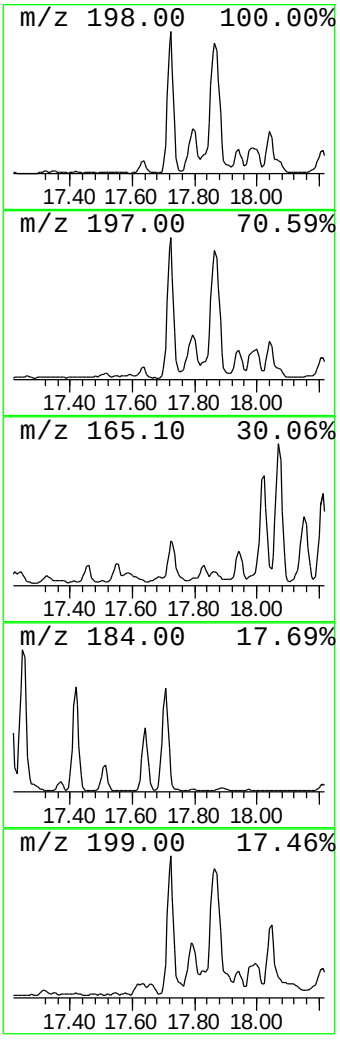
****

Peak Number 17 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	11.22 ng/ul	3978700	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
4	Thioxanthene	198	C13H10S	000261-31-4	64
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

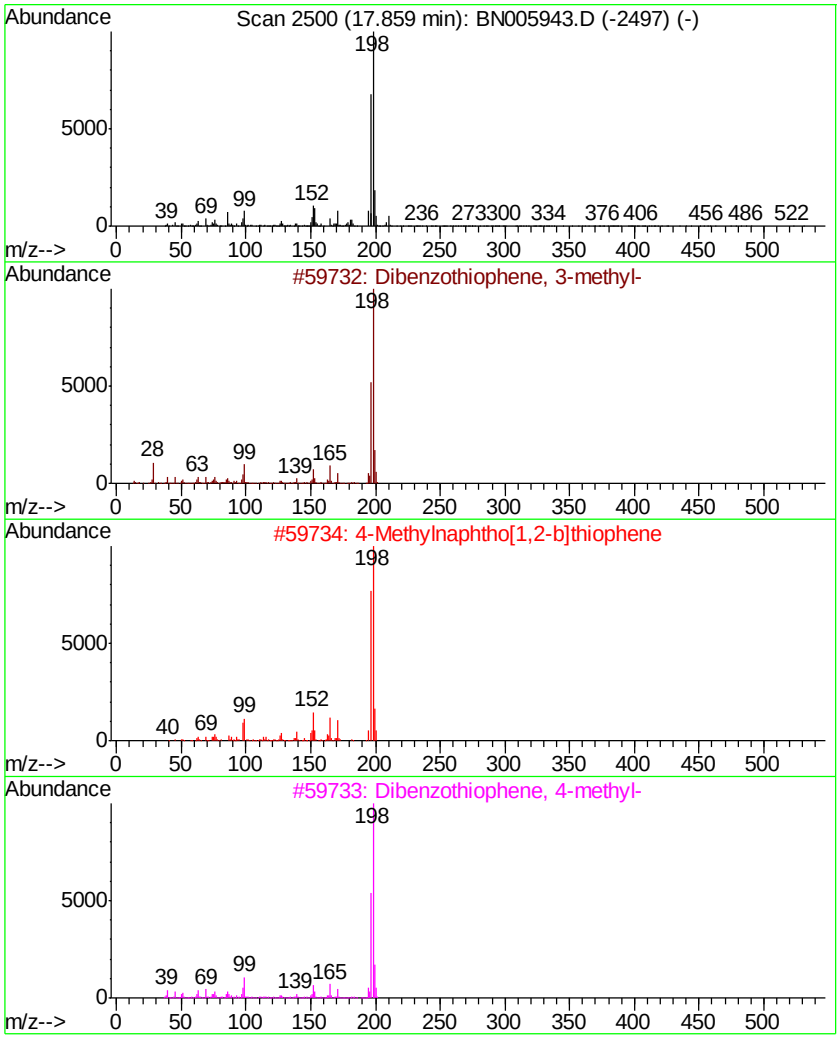
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

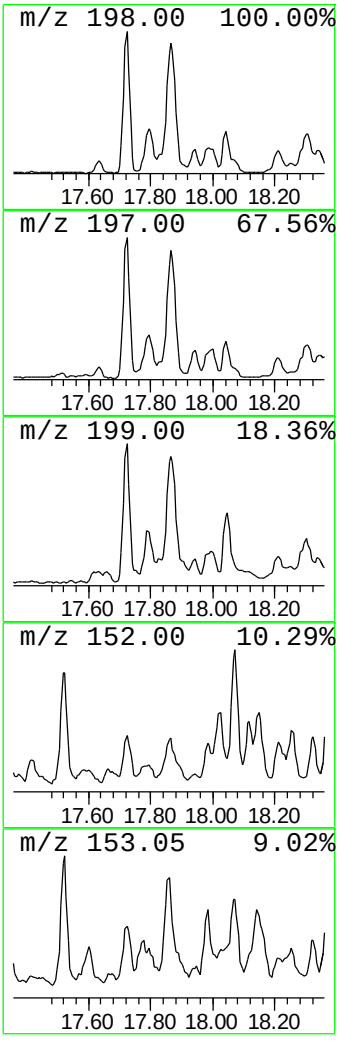
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	5.19 ng/ul	1840920	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
4	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	89
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

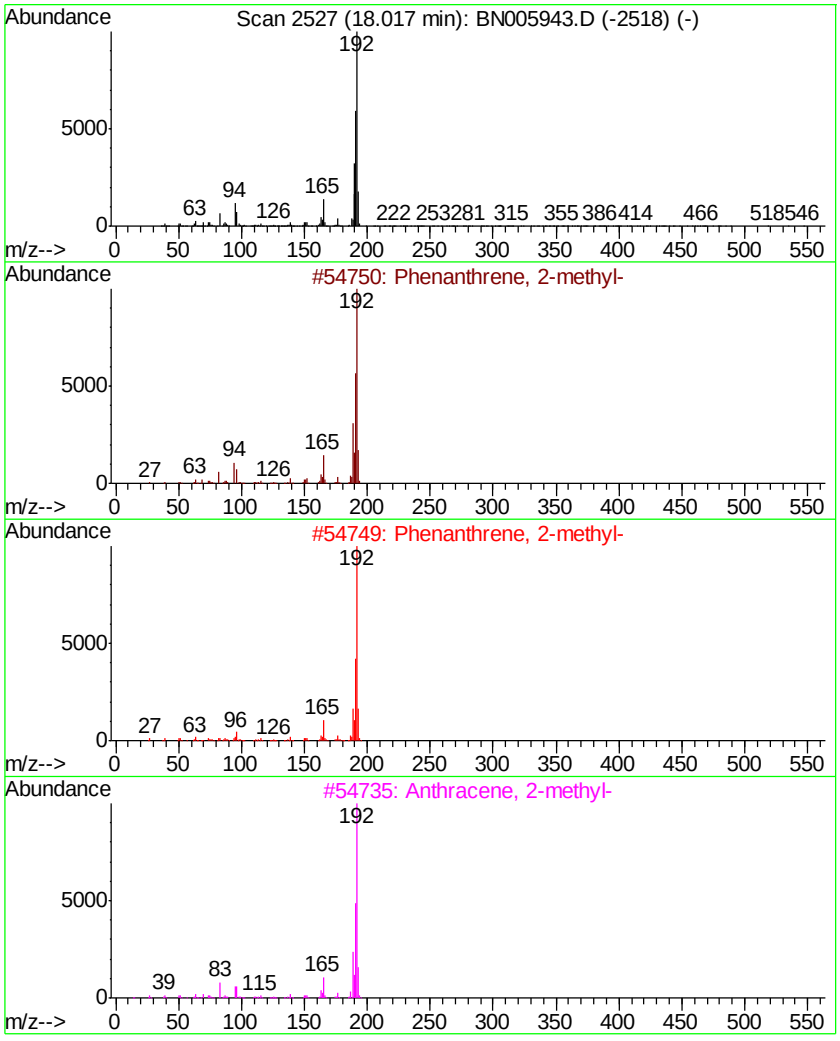
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

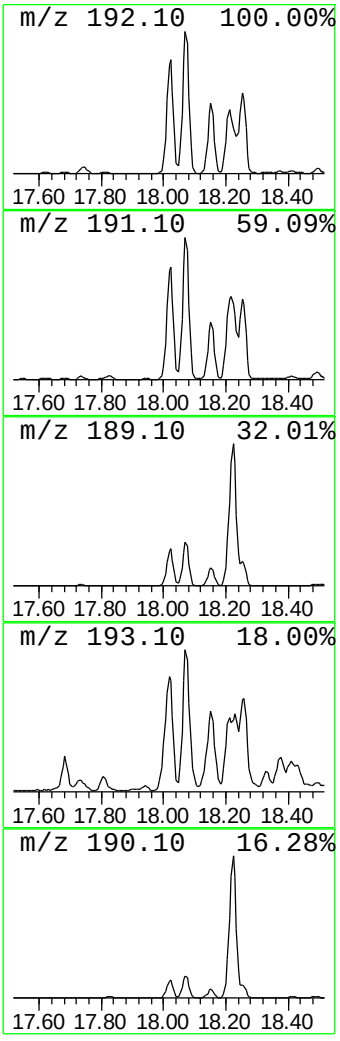
****

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	49.19 ng/ul	17451000	Phenanthrene-d10	17.15

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, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

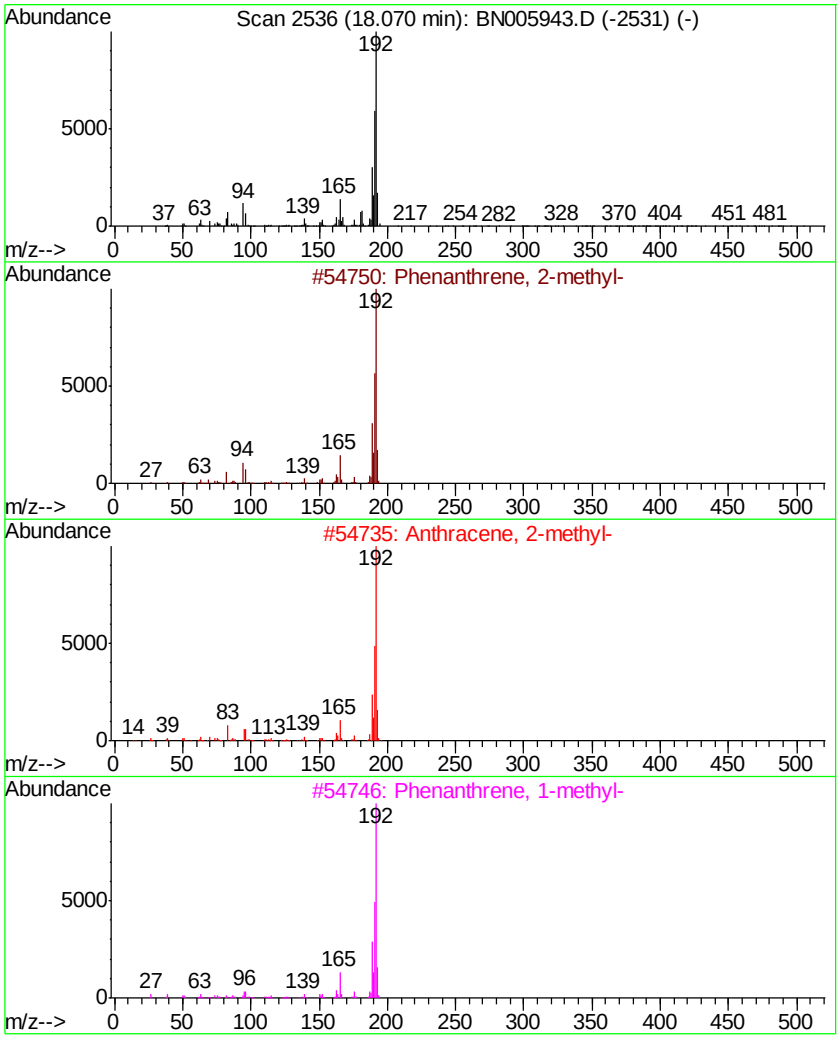
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

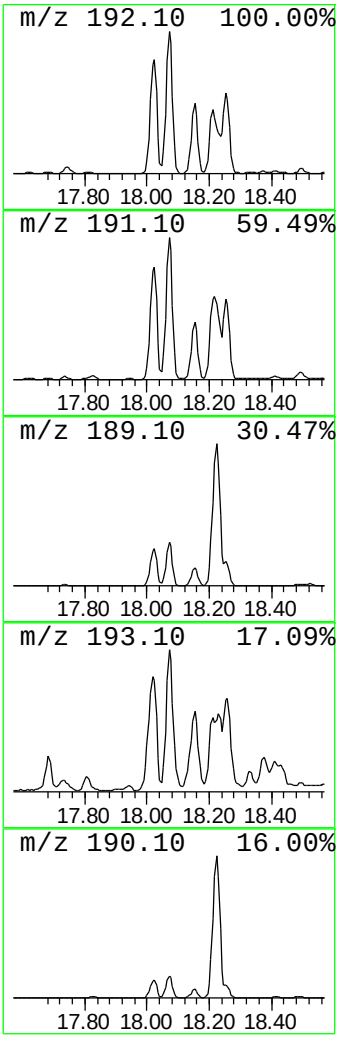
****

Peak Number 20 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	63.22 ng/ul	22425500	Phenanthrene-d10	17.15

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

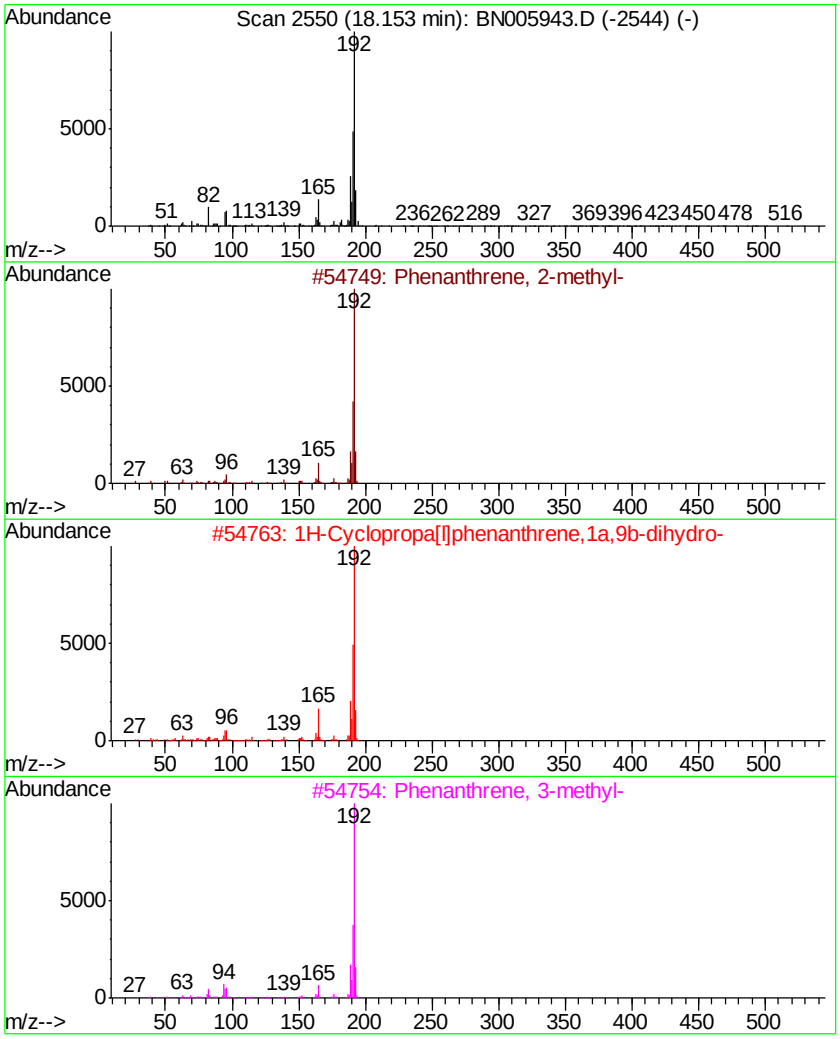
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

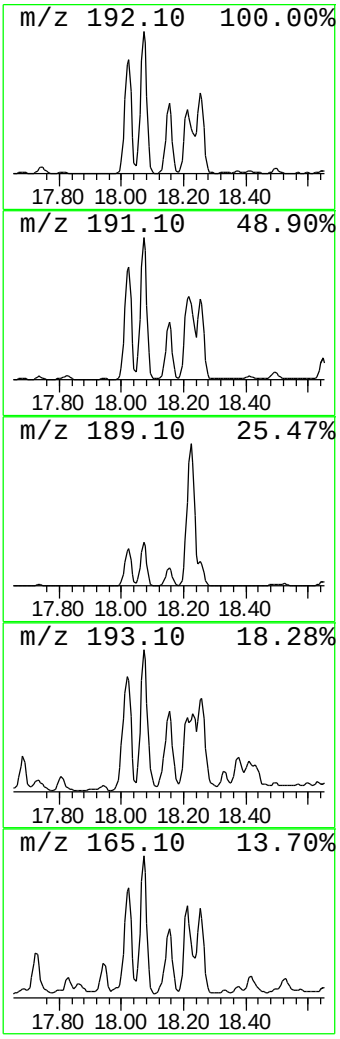
****

Peak Number 21 Phenanthrene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	24.40 ng/ul	8657230	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

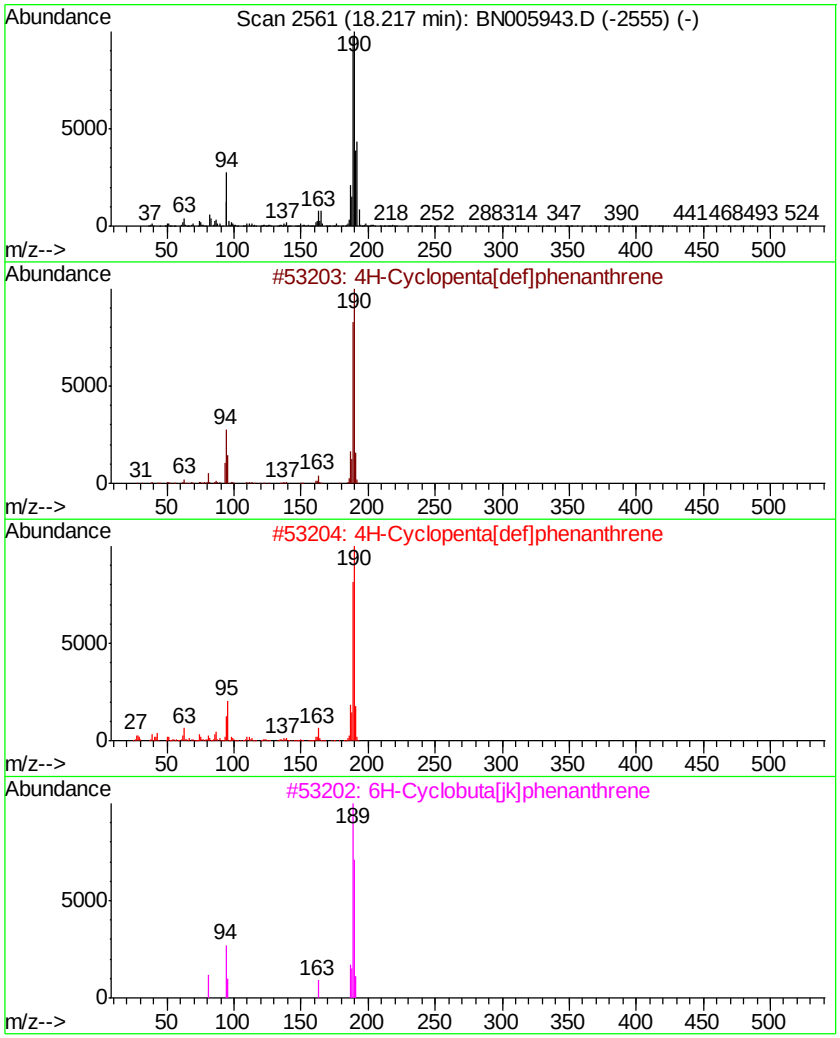
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

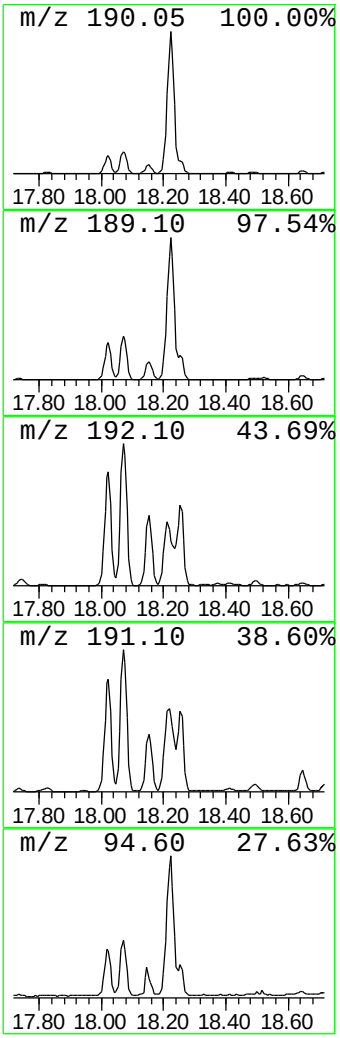
****

Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	84.29 ng/ul	29898800	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

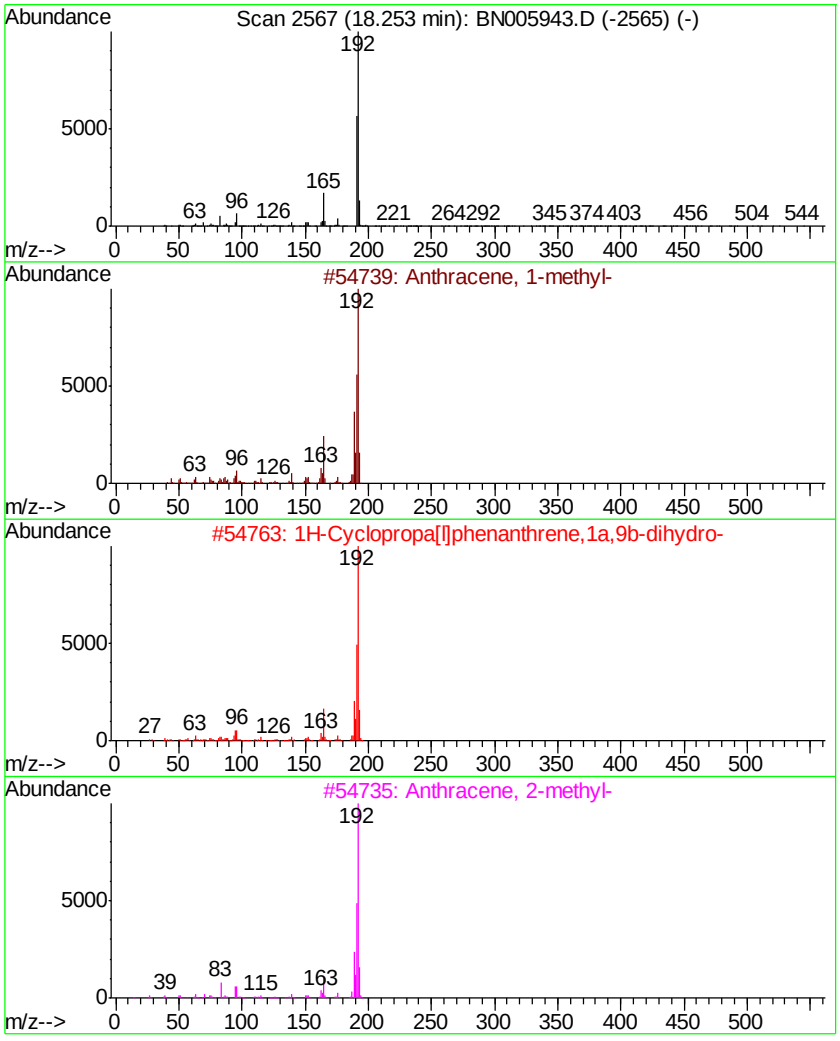
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

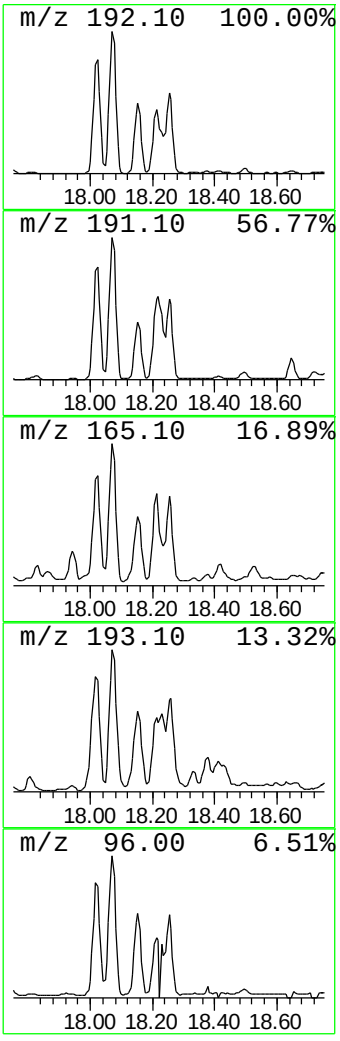
****

Peak Number 23 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	24.07 ng/ul	8539790	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

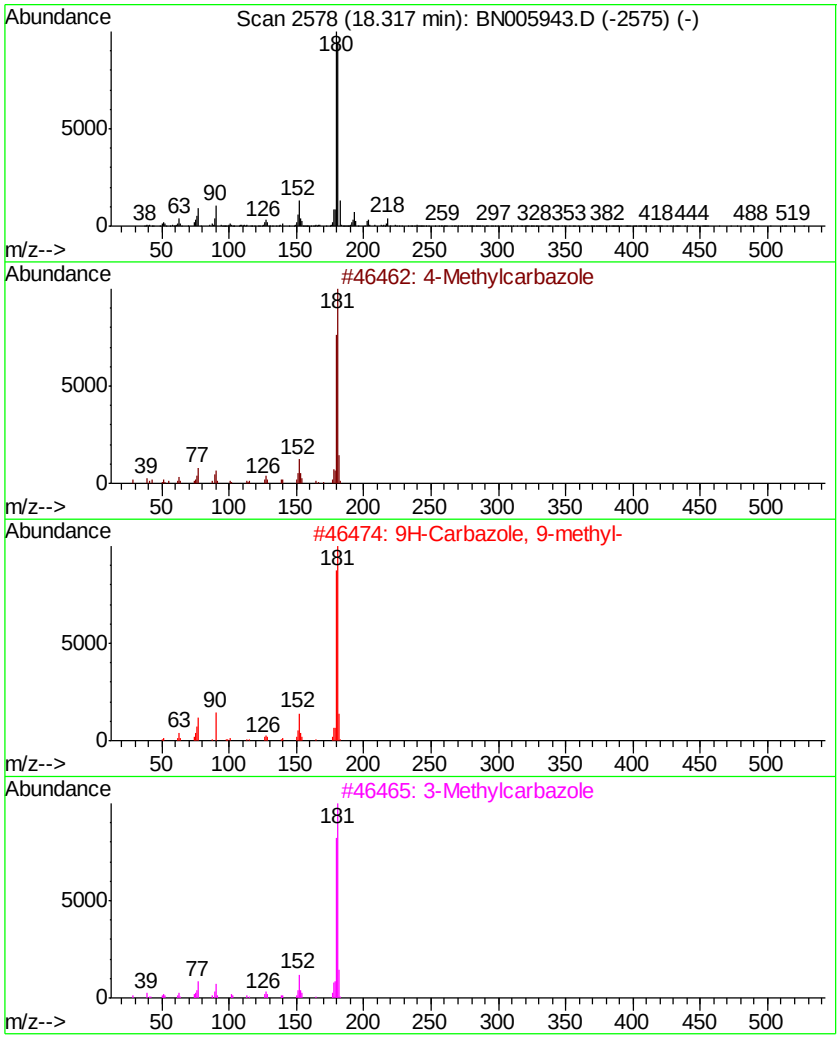
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

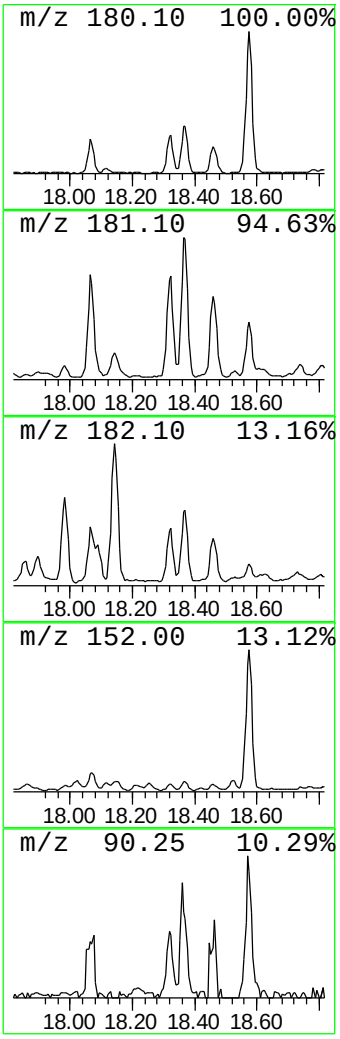
****

Peak Number 24 4-Methylcarbazole Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	5.93 ng/ul	2102140	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	96
2	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	95
3	3-Methylcarbazole	181	C13H11N	004630-20-0	90
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	83
5	3-Methylcarbazole	181	C13H11N	004630-20-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

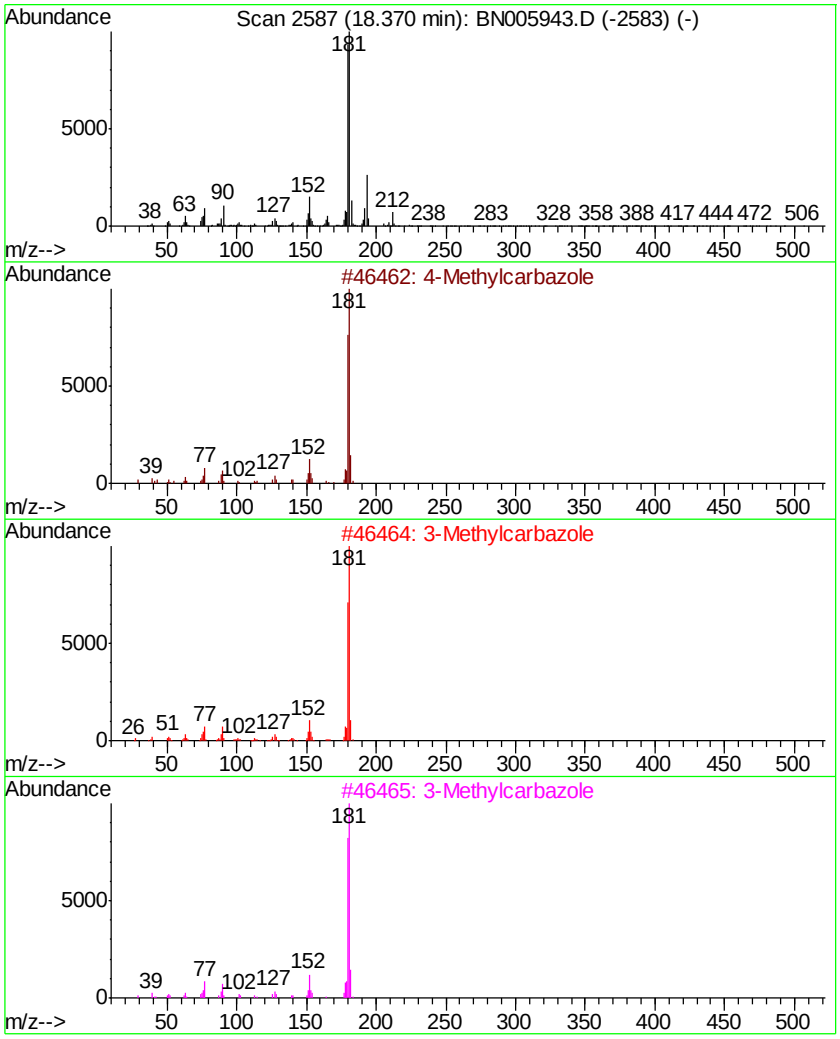
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

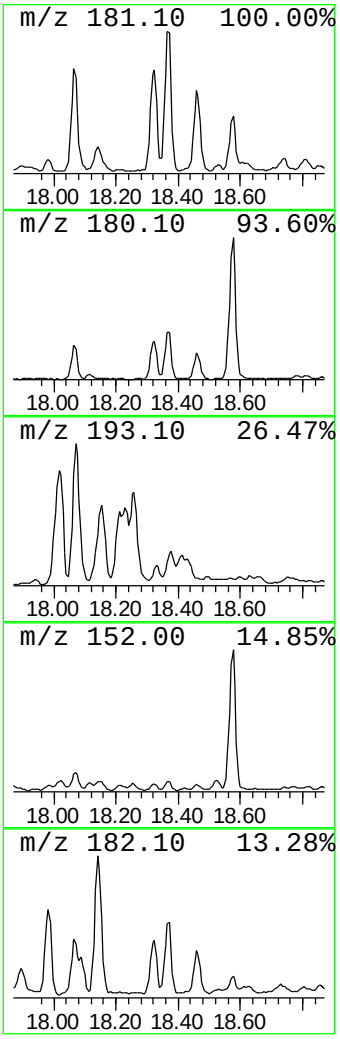
****

Peak Number 25 3-Methylcarbazole Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	6.29 ng/ul	2230040	Phenanthrene-d10	17.15

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

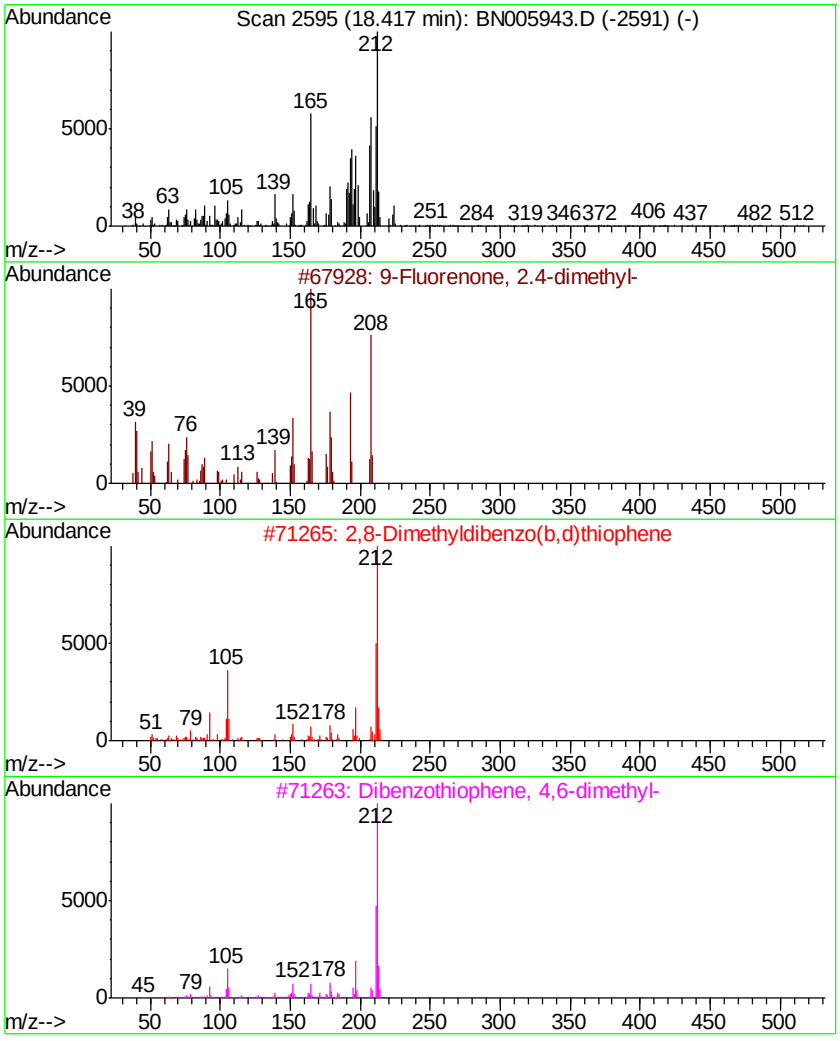
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

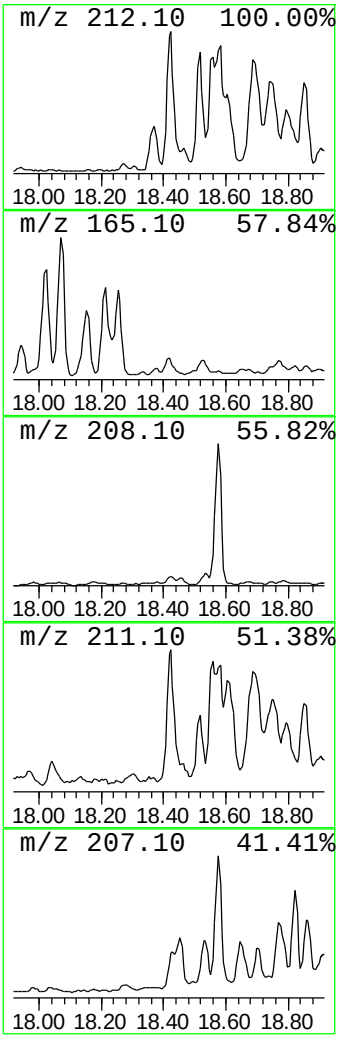
****

Peak Number 26 9-Fluorenone, 2.4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.50 ng/ul	1597910	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Fluorenone, 2.4-dimethyl-	208	C15H12O	002928-39-4	59
2	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	46
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	38
4	6-Methoxy-1,4-naphthalenedicarbo...	208	C13H8N2O	1000326-75-3	25
5	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

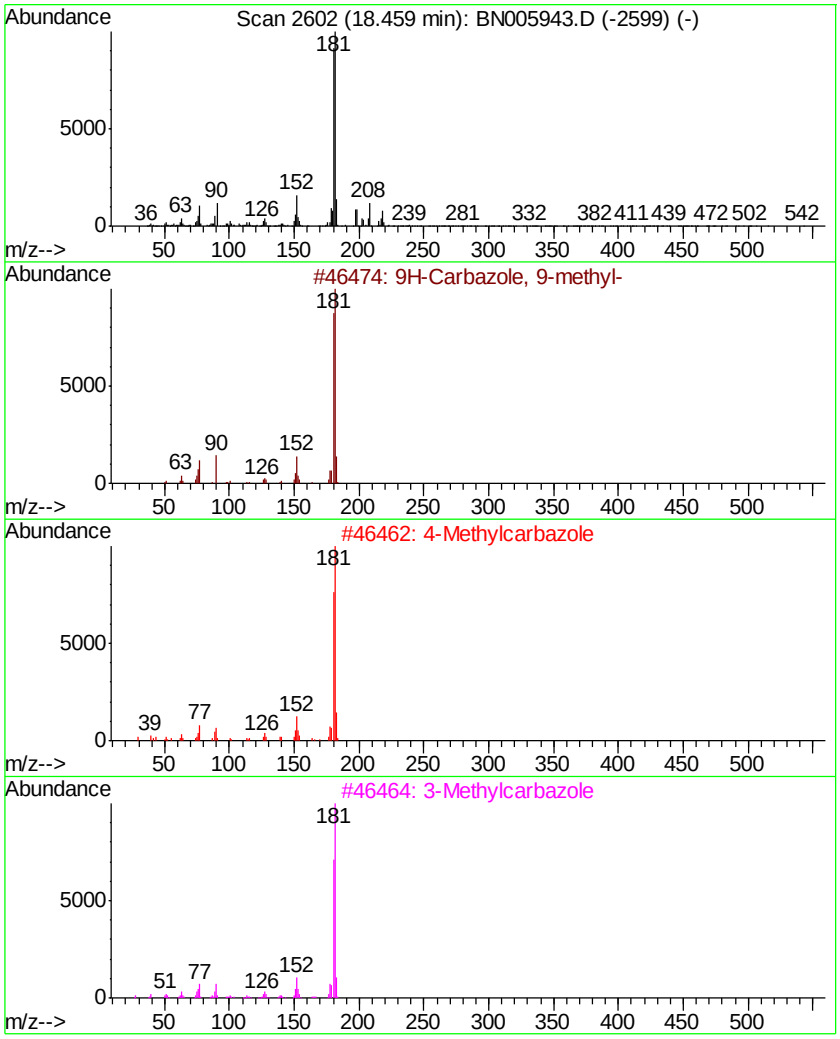
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

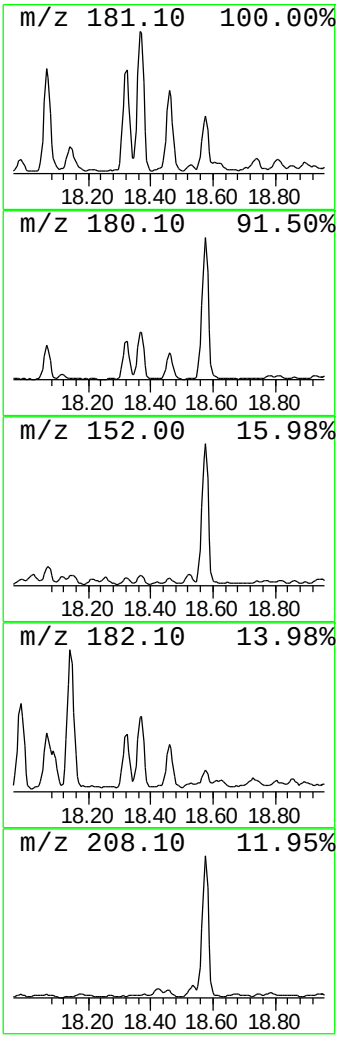
****

Peak Number 27 9H-Carbazole, 9-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	5.92 ng/ul	2098790	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	97
2	4-Methylcarbazole	181	C13H11N	003770-48-7	96
3	3-Methylcarbazole	181	C13H11N	004630-20-0	93
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90
5	1-Methylcarbazole	181	C13H11N	006510-65-2	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

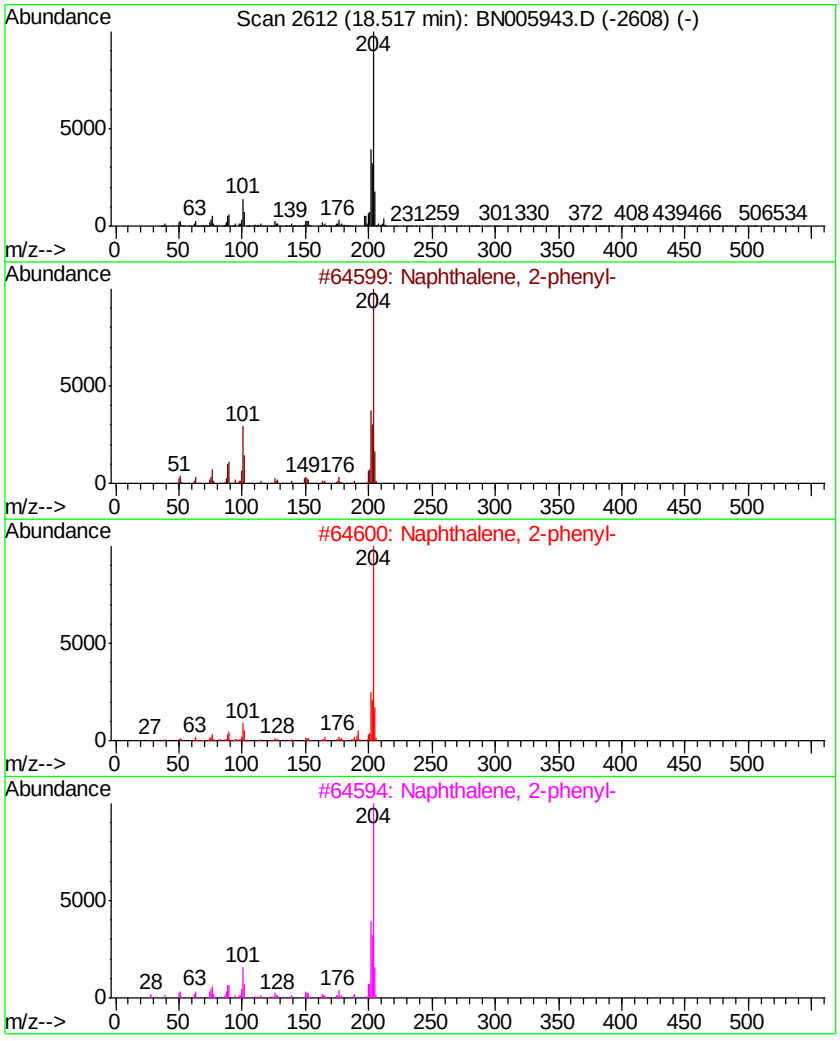
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

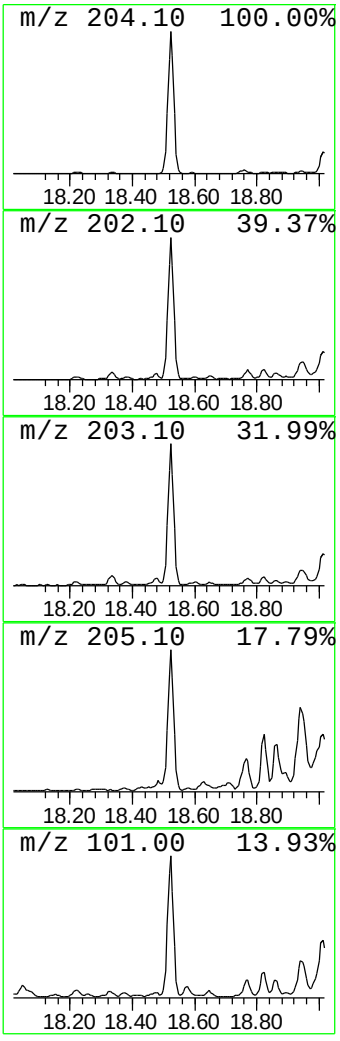
****

Peak Number 28 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	32.03 ng/ul	11362600	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
Data File : BN005943.D
Acq On : 29 May 2019 22:33
Operator : JU/SJ
Sample : K2928-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42B8

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.41	7.3	ng/ul	2058450	2	10.53	5630260	20.0
1,4-Naphthalenedione	13.62	5.8	ng/ul	2301940	3	14.39	7985220	20.0
Naphthalene, 2,3-...	13.71	5.1	ng/ul	2048440	3	14.39	7985220	20.0
Juglone	14.65	46.3	ng/ul	18501600	3	14.39	7985220	20.0
Nordiphenamid	15.60	6.0	ng/ul	2382280	3	14.39	7985220	20.0
1,1'-Biphenyl, 2-...	15.69	3.7	ng/ul	1492280	3	14.39	7985220	20.0
Dibenzofuran, 4-m...	15.74	8.2	ng/ul	3275690	3	14.39	7985220	20.0
[1,1'-Biphenyl]-4...	15.88	14.5	ng/ul	5140190	4	17.15	7094670	20.0
1(2H)-Acenaphthyl...	16.11	6.7	ng/ul	2381230	4	17.15	7094670	20.0
9H-Fluorene, 2-me...	16.45	15.0	ng/ul	5334510	4	17.15	7094670	20.0
9H-Fluorene, 1-me...	16.49	5.0	ng/ul	1760230	4	17.15	7094670	20.0
9H-Fluorene, 9-me...	16.59	4.3	ng/ul	1540810	4	17.15	7094670	20.0
9H-Fluoren-9-one	16.80	14.5	ng/ul	5146400	4	17.15	7094670	20.0
2,4,6-Trimethoxyb...	16.87	5.9	ng/ul	2089250	4	17.15	7094670	20.0
Naphtho[1,2-b]thi...	16.96	24.8	ng/ul	8796010	4	17.15	7094670	20.0
Anthracene, 9-eth...	17.66	8.4	ng/ul	2966650	4	17.15	7094670	20.0
Dibenzothiophene,...	17.72	11.2	ng/ul	3978700	4	17.15	7094670	20.0
4-Methylnaphtho[1...	17.86	5.2	ng/ul	1840920	4	17.15	7094670	20.0
Phenanthrene, 2-m...	18.02	49.2	ng/ul	17451000	4	17.15	7094670	20.0
Anthracene, 2-met...	18.07	63.2	ng/ul	22425500	4	17.15	7094670	20.0
Phenanthrene, 3-m...	18.15	24.4	ng/ul	8657230	4	17.15	7094670	20.0
4H-Cyclopenta[def...	18.22	84.3	ng/ul	29898800	4	17.15	7094670	20.0
Anthracene, 1-met...	18.25	24.1	ng/ul	8539790	4	17.15	7094670	20.0
4-Methylcarbazole	18.32	5.9	ng/ul	2102140	4	17.15	7094670	20.0
3-Methylcarbazole	18.37	6.3	ng/ul	2230040	4	17.15	7094670	20.0
9-Fluorenone, 2.4...	18.42	4.5	ng/ul	1597910	4	17.15	7094670	20.0
9H-Carbazole, 9-m...	18.46	5.9	ng/ul	2098790	4	17.15	7094670	20.0
Naphthalene, 2-ph...	18.52	32.0	ng/ul	11362600	4	17.15	7094670	20.0