LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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-BN091619MA.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	3.011	3	4	10	rVB	1963622	1751467	5.91%	0.476%
2	6.869	650	660	672	rBV2	182854	399161	1.35%	0.109%
3	7.693	793	800	809	rBV	1921716	2950959	9.96%	0.802%
4	8.010	848	854	861	rVB	252892	411266	1.39%	0.112%
5	8.840	988	995	1003	rBV	303319	529414	1.79%	0.144%
6	10.469	1264	1272	1278	rBV	2654378	4369978	14.75%	1.188%
7	12.945	1687	1693	1701	rBV	436702	656537	2.22%	0.179%
8	13.740	1822	1828	1832	rBV	336772	461693	1.56%	0.126%
9	14.016	1867	1875	1885	rBV	407778	649336	2.19%	0.177%
10	14.328	1920	1928	1934	rBV	4267883	6115797	20.64%	1.663%
11	14.392	1934	1939	1946	rVV	599721	908782	3.07%	0.247%
12	15.322	2091	2097	2102	rBV	567121	810691	2.74%	0.220%
13	15.375	2102	2106	2112	rVB2	304140	444403	1.50%	0.121%
14	16.728	2330	2336	2345	rVB	361197	553773	1.87%	0.151%
15	16.828	2345	2353	2358	rBV2	239702	454927	1.54%	0.124%
16	16.892	2359	2364	2369	rVB	411884	583095	1.97%	0.159%
17	17.075	2388	2395	2398	rVV2	5253098	7597481	25.65%	2.066%
18	17.116	2398	2402	2407	rVV	8651807	11673441	39.41%	3.174%
19	17.169	2407	2411	2414	rVV2	792263	1211195	4.09%	0.329%
20	17.204	2414	2417	2422	rVV	1487873	1964651	6.63%	0.534%
21	17.475	2453	2463	2468	rBV2	1298488	2177713	7.35%	0.592%
22	17.951	2534	2544	2547	rBV	998255	1455715	4.91%	0.396%
23	17.998	2547	2552	2558	rVV	1619767	2443933	8.25%	0.665%
24	18.081	2559	2566	2570	rVV	350616	537565	1.81%	0.146%
25	18.145	2570	2577	2581	rVV3	1230379	2243261	7.57%	0.610%
26	18.181	2581	2583	2588	rVB	610728	674398	2.28%	0.183%
27	18.457	2624	2630	2633	rBV	697253	1024615	3.46%	0.279%
28	18.486	2633	2635	2643	rVB3	736069	1112757	3.76%	0.303%
29	18.704	2664	2672	2676	rBV	391538	621073	2.10%	0.169%
30	18.757	2676	2681	2684	rVV	453674	635947	2.15%	0.173%
31	18.792	2684	2687	2692	rVB	404334	538967	1.82%	0.147%
32	18.875	2696	2701	2706	rVV	643361	1061542	3.58%	0.289%
33	18.933	2706	2711	2715	rVV2	324150	670564	2.26%	0.182%
34	19.016	2720	2725	2732	rVV	819465	1357290	4.58%	0.369%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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-BN091619MA.M
Title : SVOA CALIBRATION

35	19.139	2740	2746	2753	rVV	19211791	26423820	89.20%	7.185%
36	19.210	2753	2758	2760	rVV	243996	409256	1.38%	0.111%
37	19.239	2760	2763	2767	rVV4	323768	502612	1.70%	0.137%
38	19.380	2783	2787	2792	rVV	786545	1302166	4.40%	0.354%
39	19.504	2798	2808	2816	rVV	17277244	29285139	98.86%	7.964%
40	19.575	2816	2820	2827	rVB2	734856	1278760	4.32%	0.348%
41	19.686	2832	2839	2841	rBV	946684	1369867	4.62%	0.373%
42	19.710	2841	2843	2846	rVV2	693214	890424	3.01%	0.242%
43	19.745	2846	2849	2855	rVB	1005189	1365370	4.61%	0.371%
44	19.833	2857	2864	2869	rBV4	971555	2491597	8.41%	0.678%
45	19.880	2869	2872	2876	rVB	521390	615130	2.08%	0.167%
46	19.927	2876	2880	2883	rBV2	291287	487796	1.65%	0.133%
47	20.004	2883	2893	2897	rVB	2418488	4892567	16.52%	1.330%
48	20.104	2906	2910	2914	rVV	1473908	1798590	6.07%	0.489%
49	20.163	2914	2920	2923	rVV2	2647771	3915198	13.22%	1.065%
50	20.198	2923	2926	2931	rVV	853918	1294246	4.37%	0.352%
51	20.245	2931	2934	2939	rVV	295987	454042	1.53%	0.123%
52	20.304	2939	2944	2947	rVV	1366129	1845728	6.23%	0.502%
53	20.345	2947	2951	2956	rVV	1440953	2122745	7.17%	0.577%
54	20.475	2965	2973	2976	rVB4	153066	402368	1.36%	0.109%
55	20.563	2984	2988	2990	rBV3	338727	502016	1.69%	0.137%
56	20.598	2990	2994	2997	rVV4	559616	1017100	3.43%	0.277%
57	20.639	2997	3001	3004	rVV2	891181	1389328	4.69%	0.378%
58	20.669	3004	3006	3010	rVV2	418207	492553	1.66%	0.134%
59	20.722	3010	3015	3016	rVV3	436507	702370	2.37%	0.191%
60	20.751	3016	3020	3027	rVV	2432797	3732629	12.60%	1.015%
61	20.845	3033	3036	3041	rVB	519285	663028	2.24%	0.180%
62	20.922	3041	3049	3052	rBV3	2865767	5403143	18.24%	1.469%
63	20.957	3052	3055	3058	rVV	1893255	2389033	8.06%	0.650%
64	21.010	3058	3064	3067	rVV2	1921684	3990161	13.47%	1.085%
65	21.051	3067	3071	3078	rVB3	2584076	4249960	14.35%	1.156%
66	21.157	3083	3089	3094	rBV	928498	1774668	5.99%	0.483%
67	21.227	3098	3101	3102	rBV	625665	654857	2.21%	0.178%
68	21.263	3102	3107	3112	rVV3	15935696	29623961	100.00%	8.056%
69	21.316	3112	3116	3125	rVB	13537616	18894871	63.78%	5.138%
70	21.392	3125	3129	3133	rBV2	3424256	4135896	13.96%	1.125%
71	21.427	3133	3135	3139	rBV	1048790	1206864	4.07%	0.328%

LSC Area Percent Report

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Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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-BN091619MA.M
Title : SVOA CALIBRATION

72	21.533	3150	3153	3157	rVB	1309704	1834461	6.19%	0.499%
73	21.586	3157	3162	3167	rBV2	2368033	3405786	11.50%	0.926%
74	21.639	3167	3171	3175	rVV3	424040	593821	2.00%	0.161%
75	21.733	3183	3187	3190	rBV4	619032	902213	3.05%	0.245%
76	21.774	3190	3194	3196	rVV	740704	915529	3.09%	0.249%
77	21.827	3196	3203	3207	rVV	3471422	5856260	19.77%	1.592%
78	21.880	3207	3212	3216	rVB	2185662	2883724	9.73%	0.784%
79	21.974	3226	3228	3232	rVB2	696665	826837	2.79%	0.225%
80	22.021	3232	3236	3239	rVV	1298026	1939174	6.55%	0.527%
81	22.057	3239	3242	3248	rVV2	1327217	1949436	6.58%	0.530%
82	22.121	3249	3253	3263	rVB4	1004306	1726711	5.83%	0.470%
83	22.292	3278	3282	3285	rBV3	616916	1070243	3.61%	0.291%
84	22.427	3301	3305	3308	rBV	857911	1183297	3.99%	0.322%
85	22.480	3310	3314	3320	rVB	893387	1459516	4.93%	0.397%
86	22.592	3331	3333	3340	rVB	817356	1117788	3.77%	0.304%
87	22.845	3369	3376	3381	rBV	11533407	27344439	92.31%	7.436%
88	23.010	3399	3404	3410	rVB	1530999	2394132	8.08%	0.651%
89	23.139	3421	3426	3436	rBV2	969960	2793356	9.43%	0.760%
90	23.316	3449	3456	3462	rBV	6984266	13351827	45.07%	3.631%
91	23.410	3466	3472	3479	rVB	10298611	18750592	63.30%	5.099%
92	23.504	3481	3488	3492	rBV	4376352	8607108	29.05%	2.341%
93	23.551	3492	3496	3505	rVB2	3016216	6132993	20.70%	1.668%
94	23.986	3566	3570	3575	rVV	600578	1020300	3.44%	0.277%
95	24.045	3576	3580	3591	rVB3	859172	2444049	8.25%	0.665%
96	24.363	3629	3634	3639	rBV2	549647	1091508	3.68%	0.297%
97	25.727	3858	3866	3877	rVB2	5117157	14738193	49.75%	4.008%
98	25.980	3905	3909	3917	rVB	905251	1953821	6.60%	0.531%
99	26.074	3919	3925	3933	rBV2	639139	1888939	6.38%	0.514%
100	26.410	3972	3982	3998	rVB	4103011	12540739	42.33%	3.410%

Sum of corrected areas: 367740038

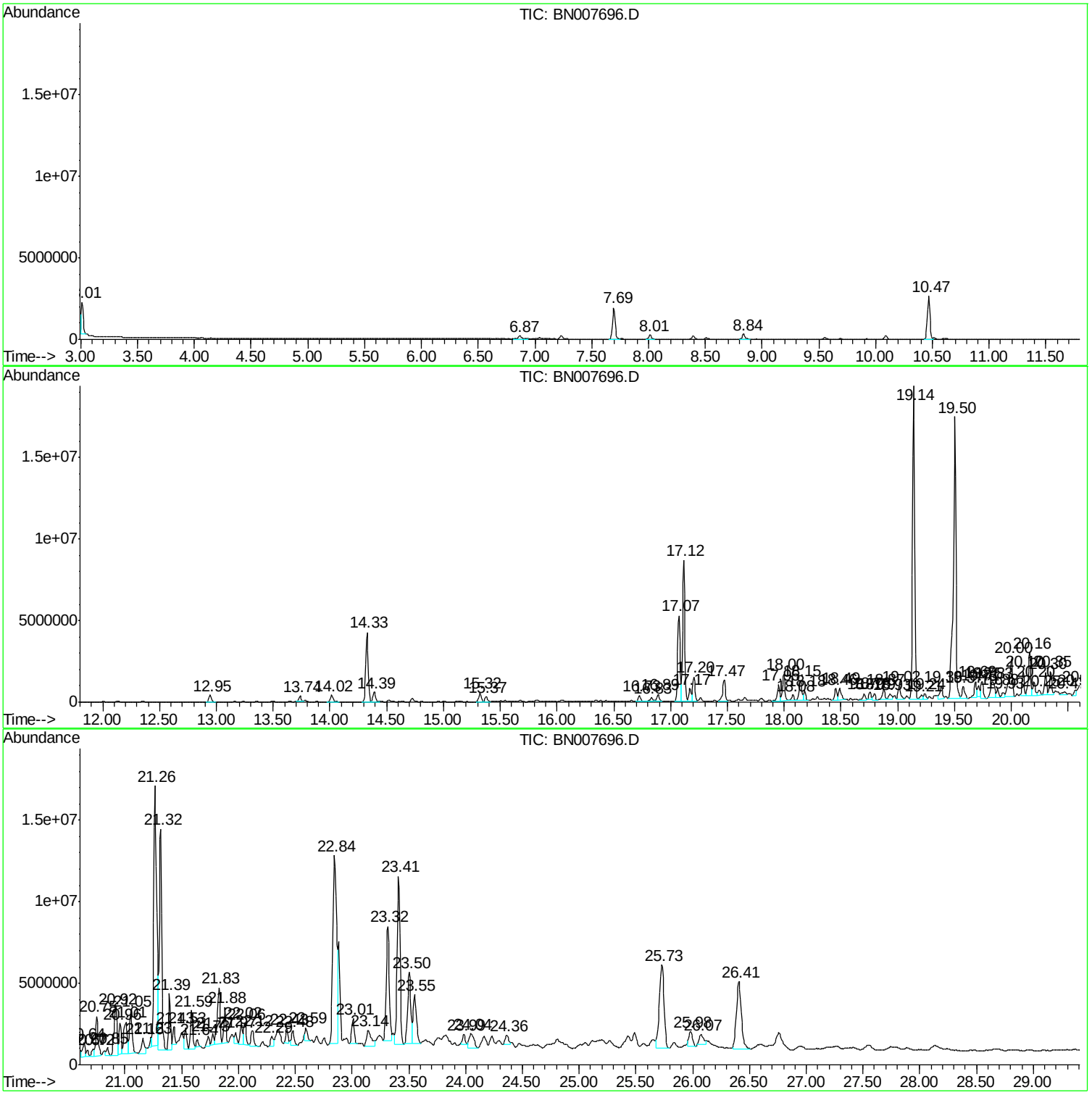
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

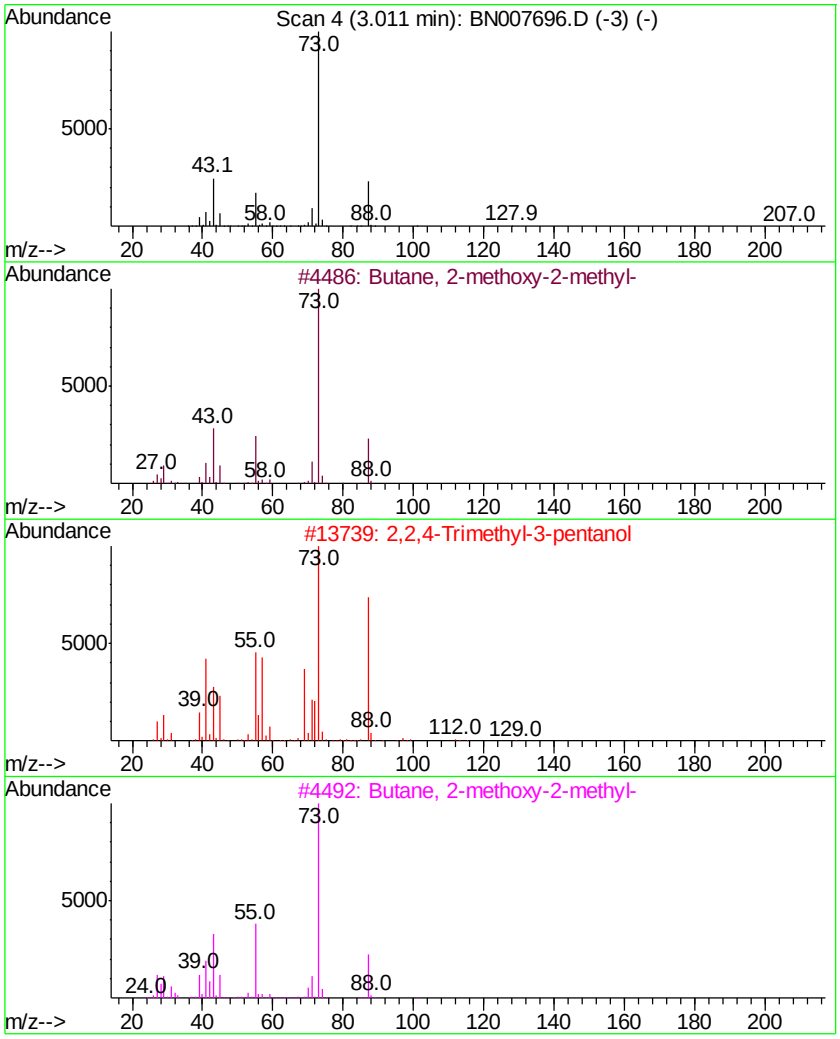
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

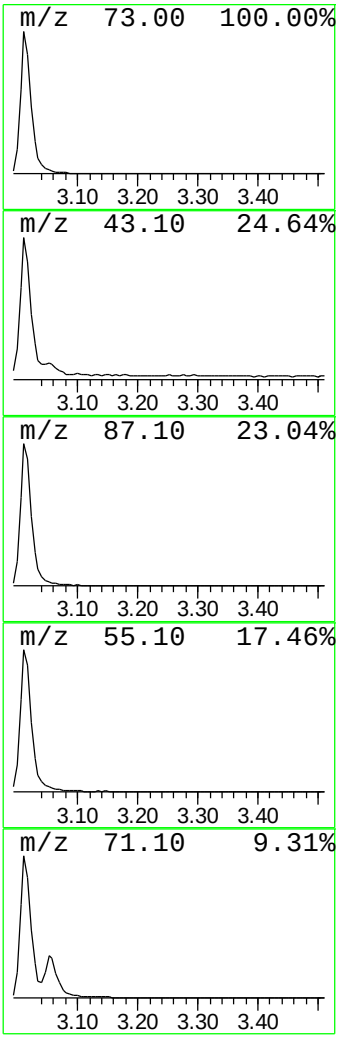
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	11.87 ng/ul	1751470	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

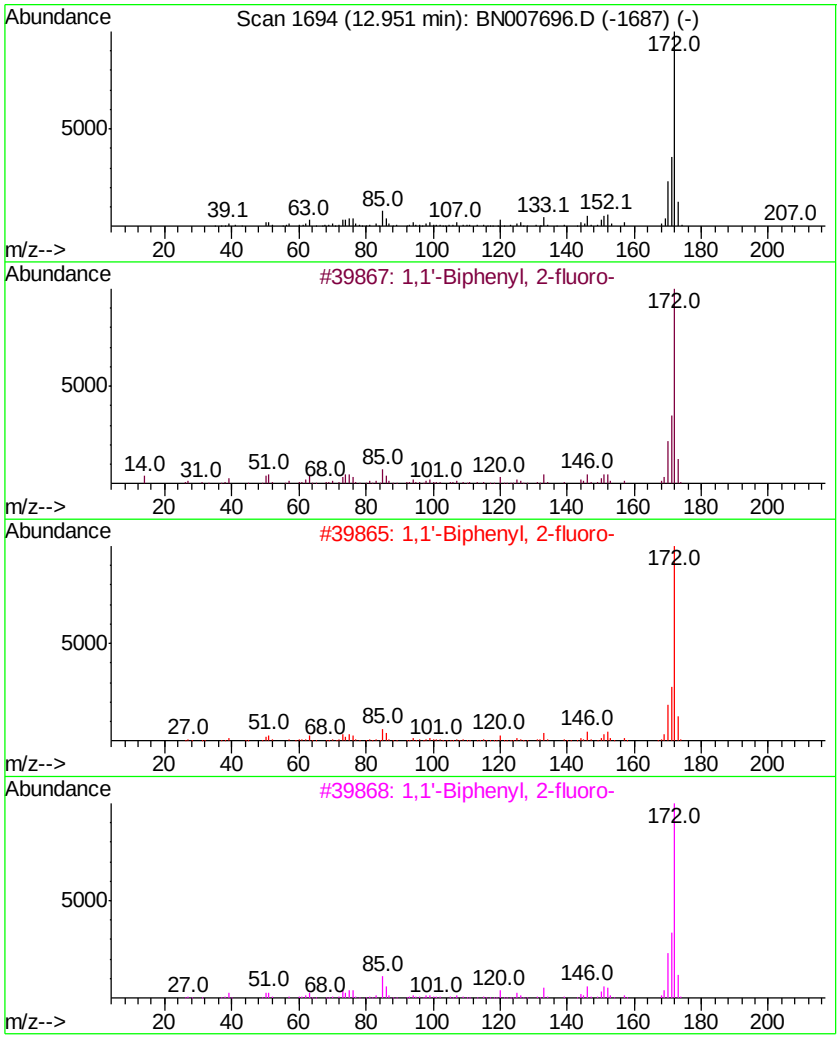
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

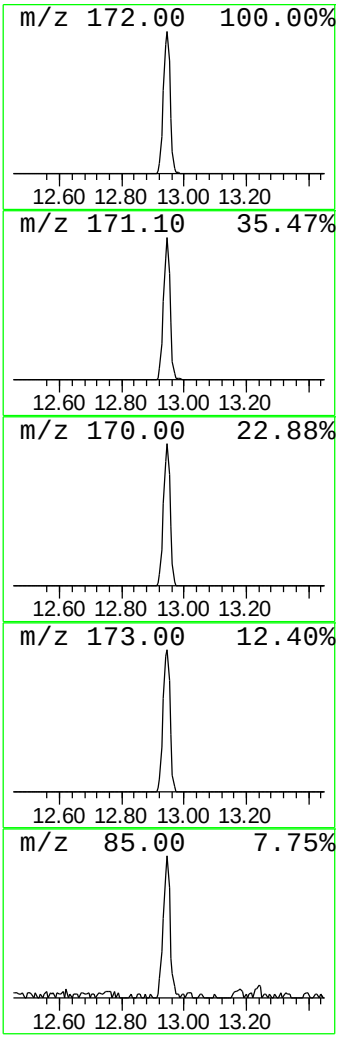
****

Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.15 ng/ul	656537	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
3	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	95
4	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	91
5	2,2'-Oxydipyridine	172	C10H8N2O	053258-94-9	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

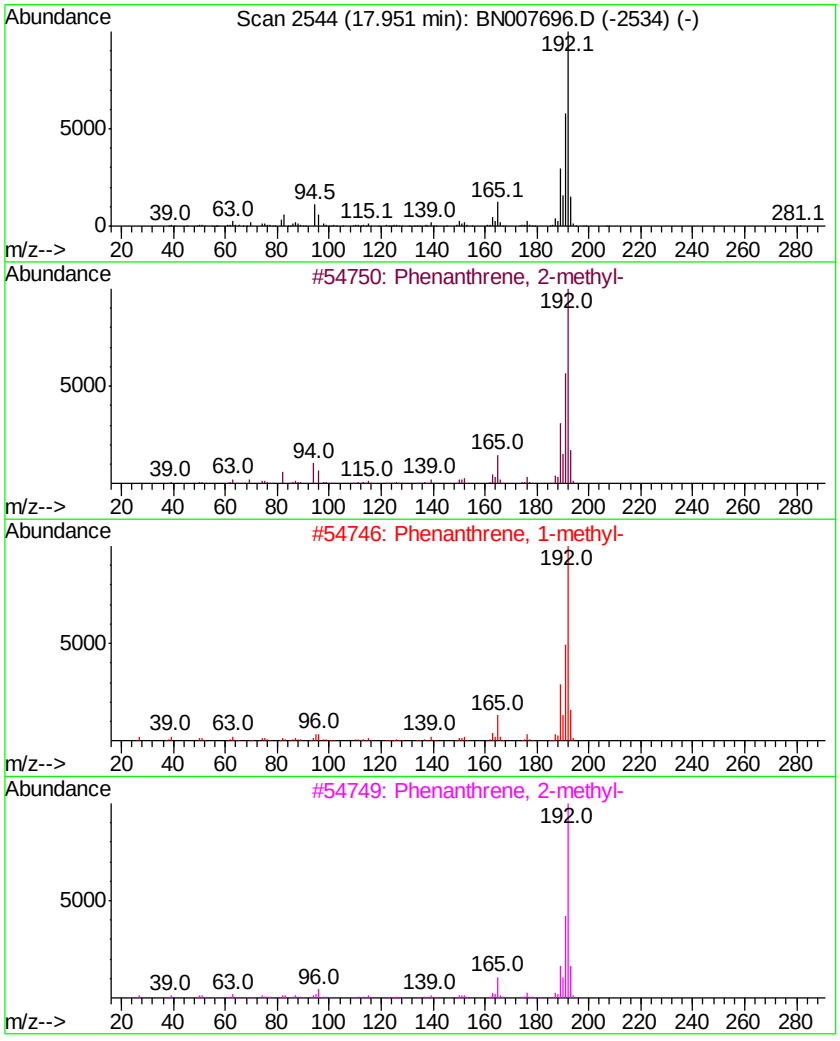
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

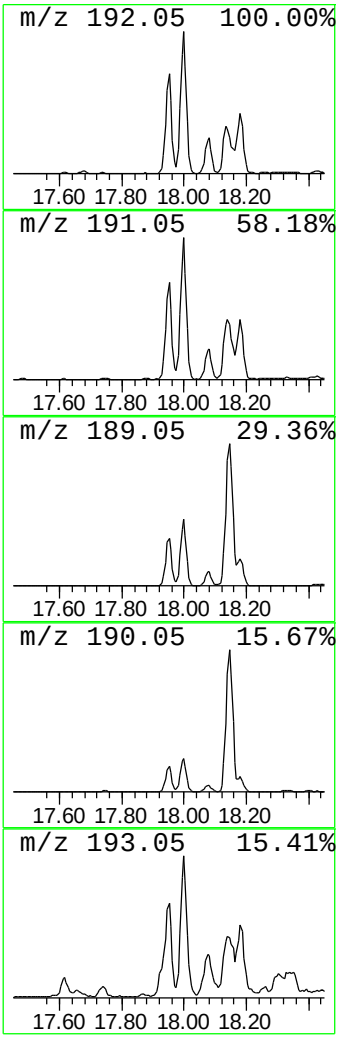
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.83 ng/ul	1455720	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

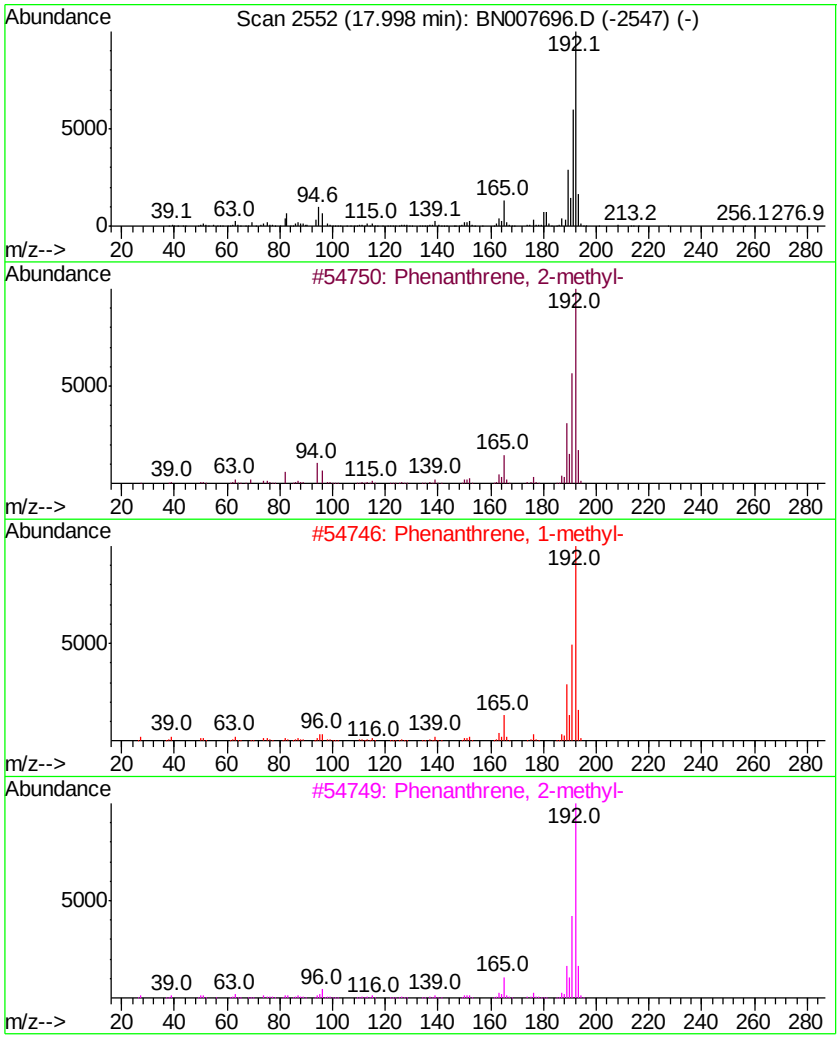
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

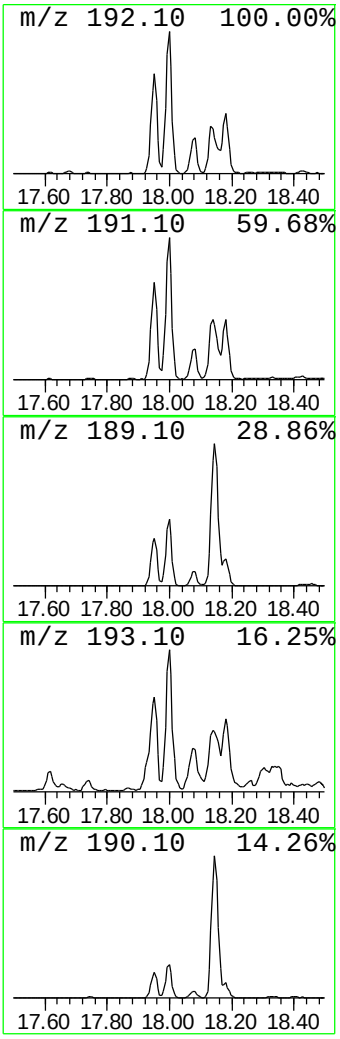
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	6.43 ng/ul	2443930	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

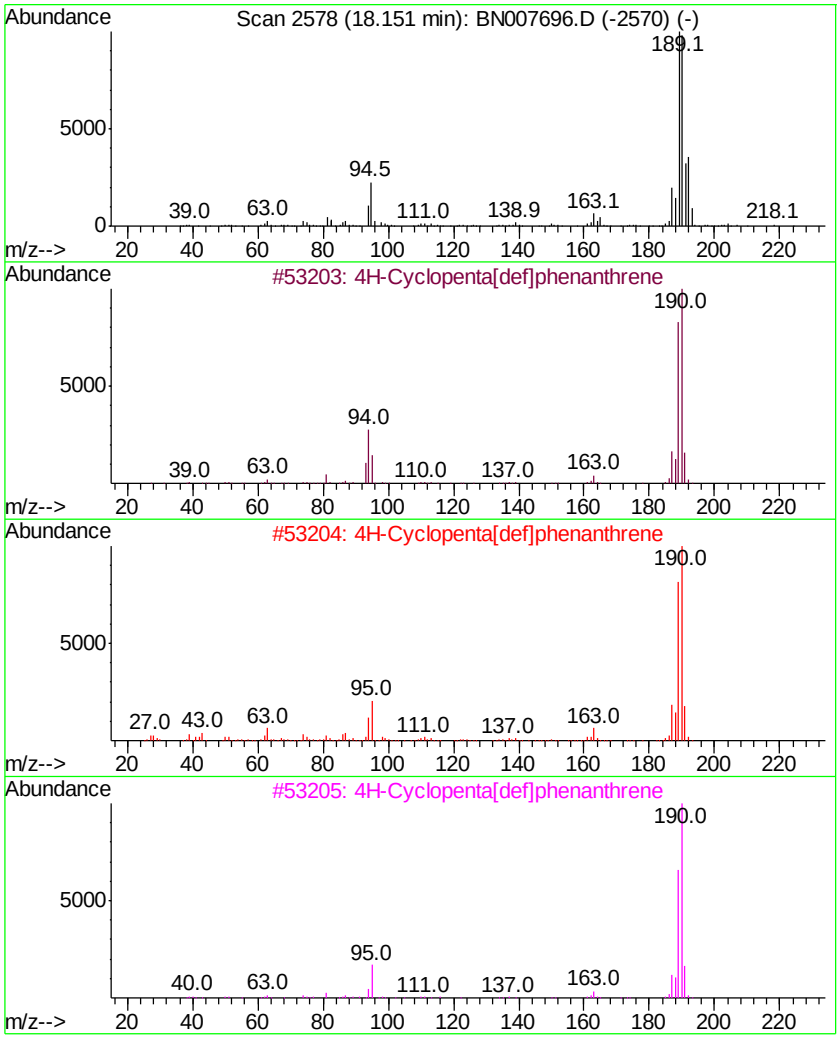
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

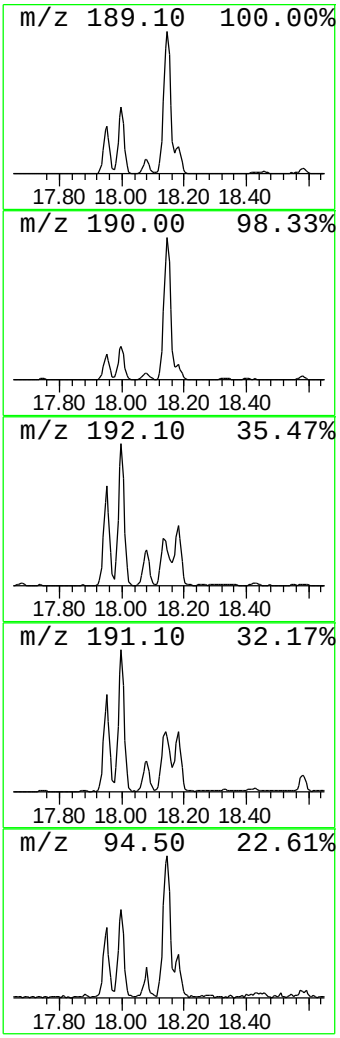
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	5.91 ng/ul	2243260	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

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

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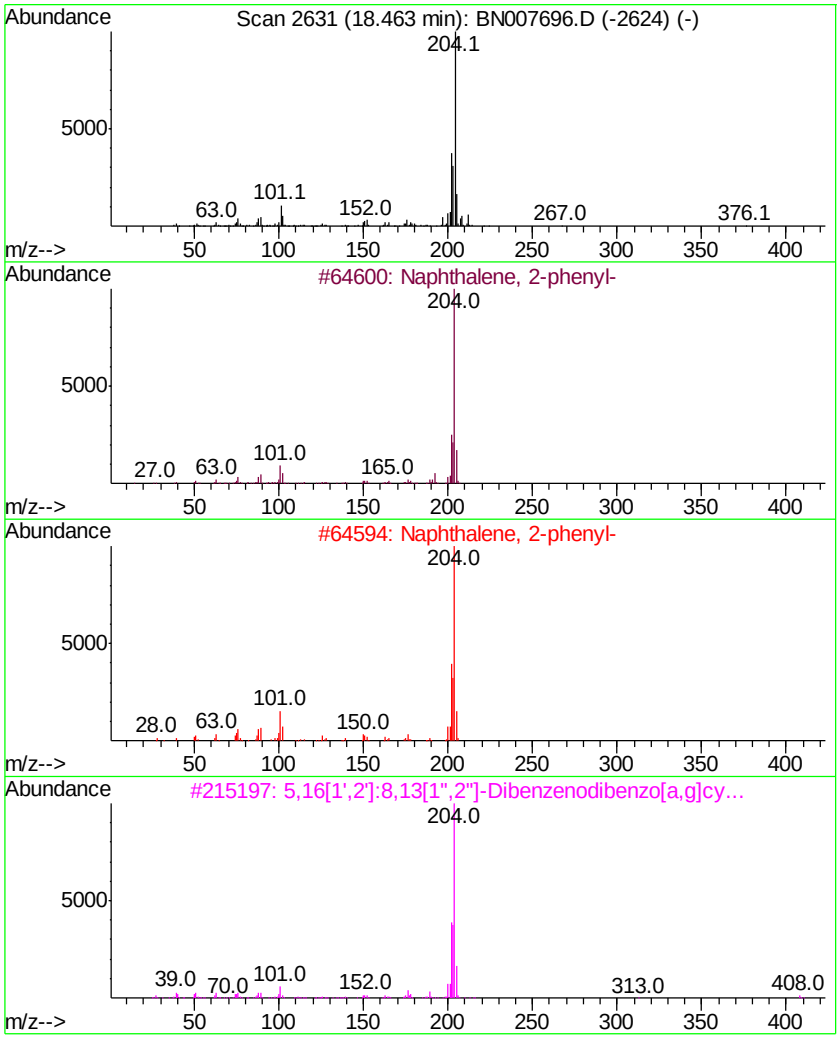
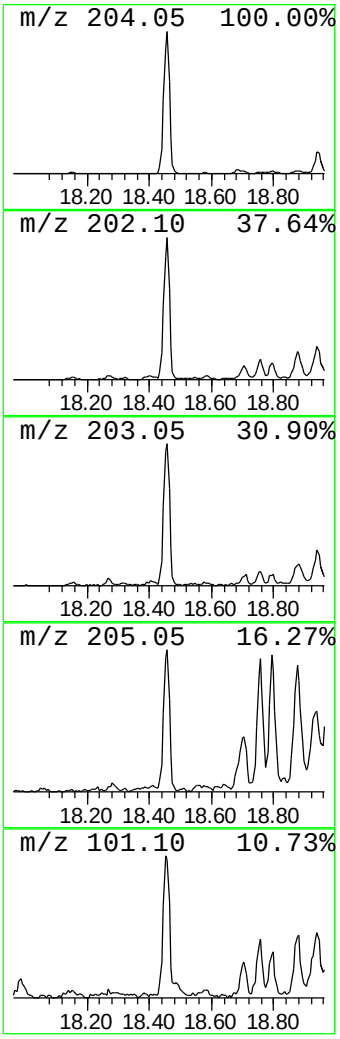
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.70 ng/ul	1024620	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

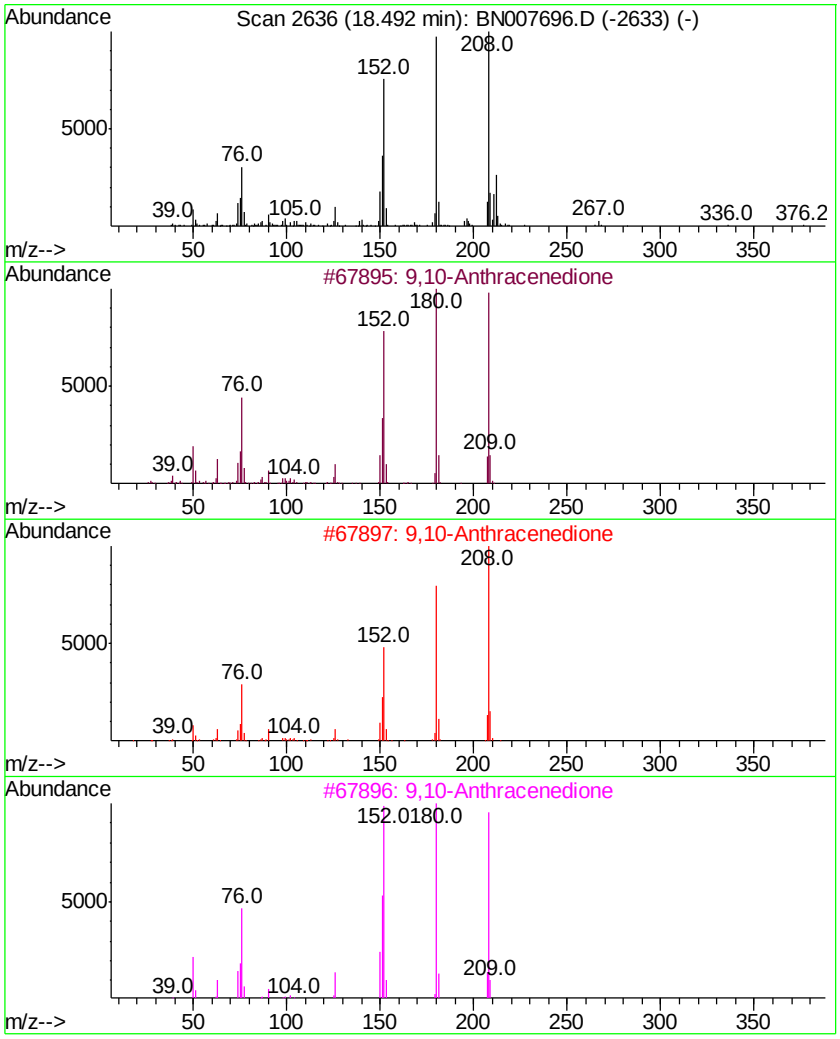
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

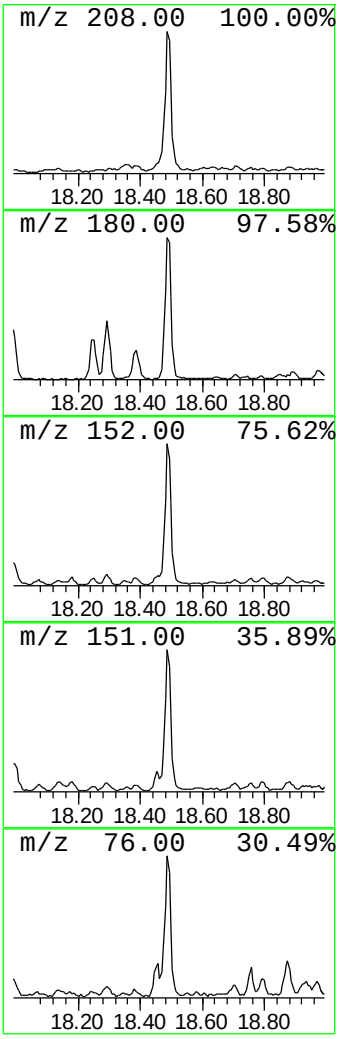
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.93 ng/ul	1112760	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	80
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

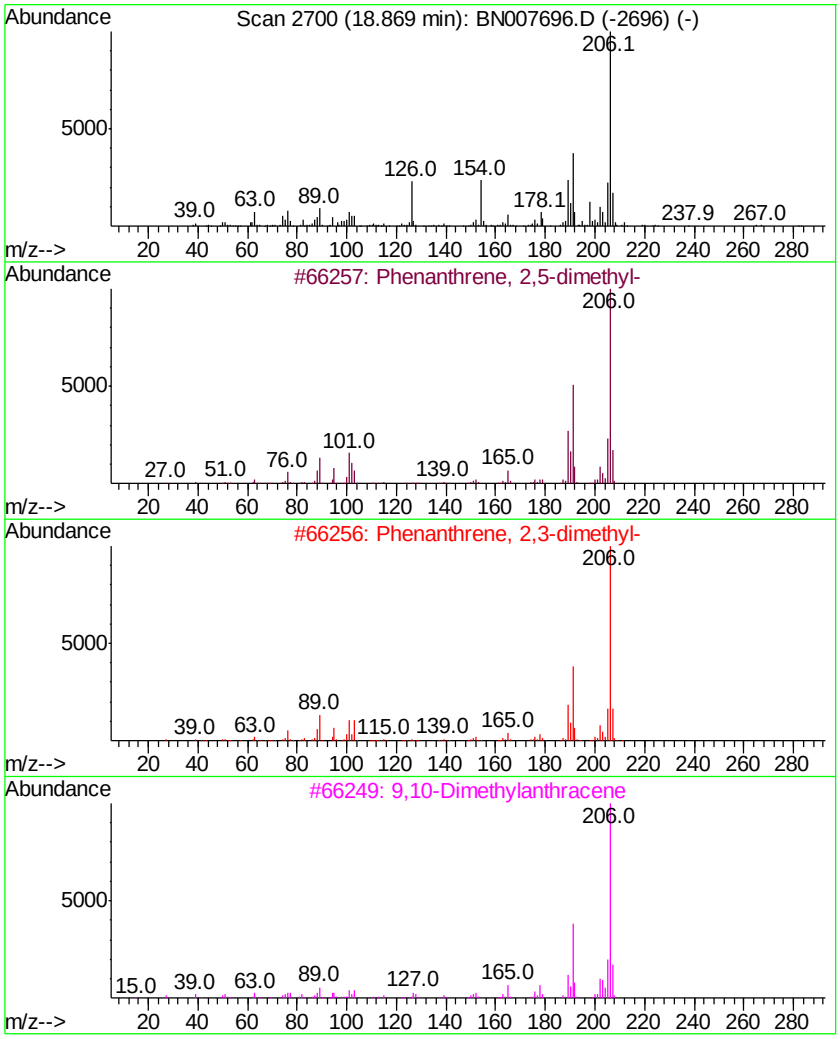
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

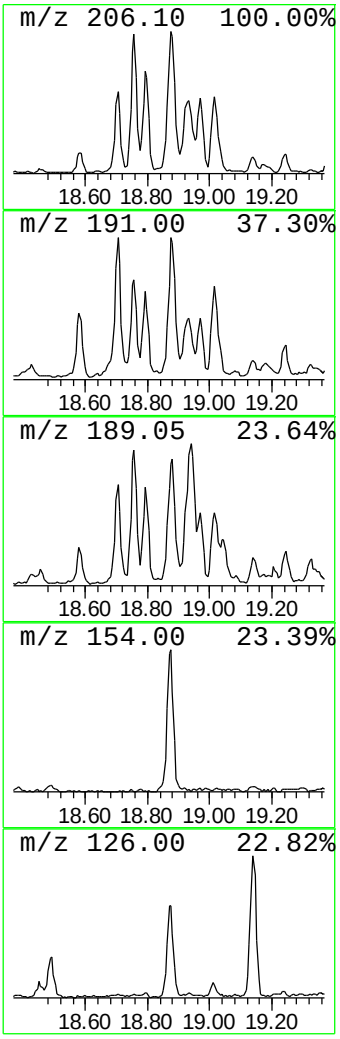
****

Peak Number 9 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.79 ng/ul	1061540	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

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

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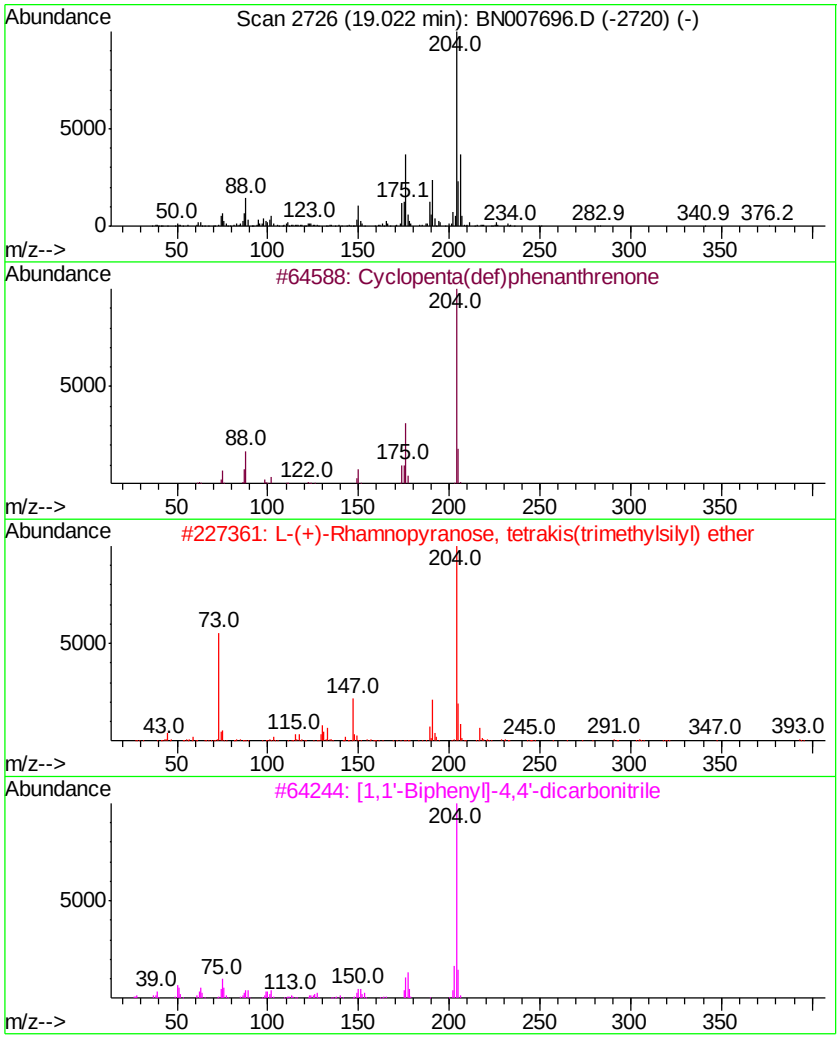
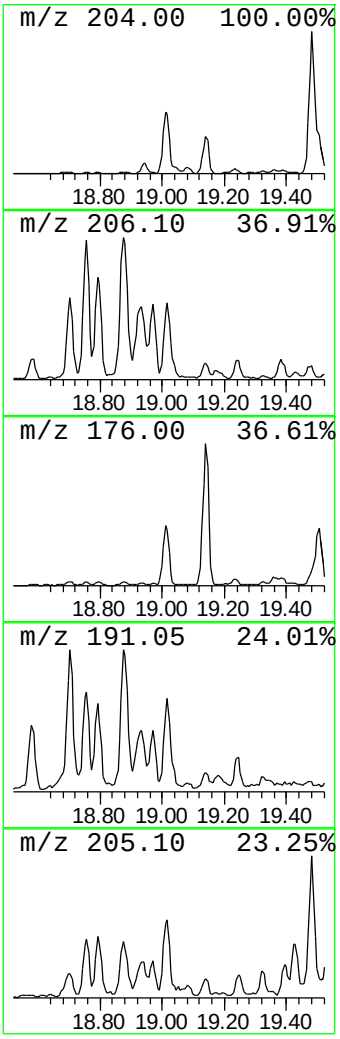
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.57 ng/ul	1357290	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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Misc :
ALS Vial : 5 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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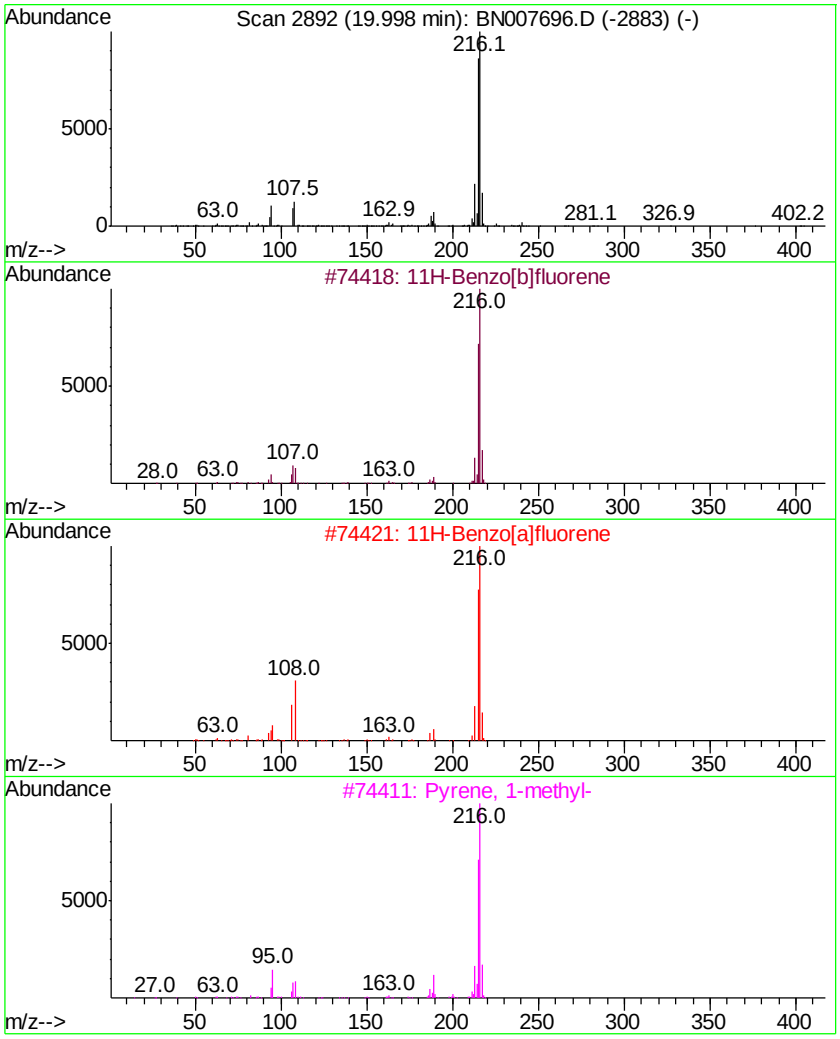
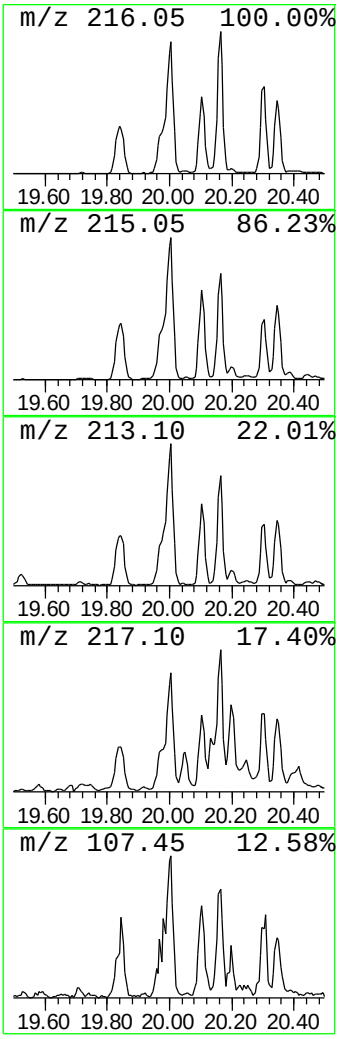
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.30 ng/ul	4892570	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

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

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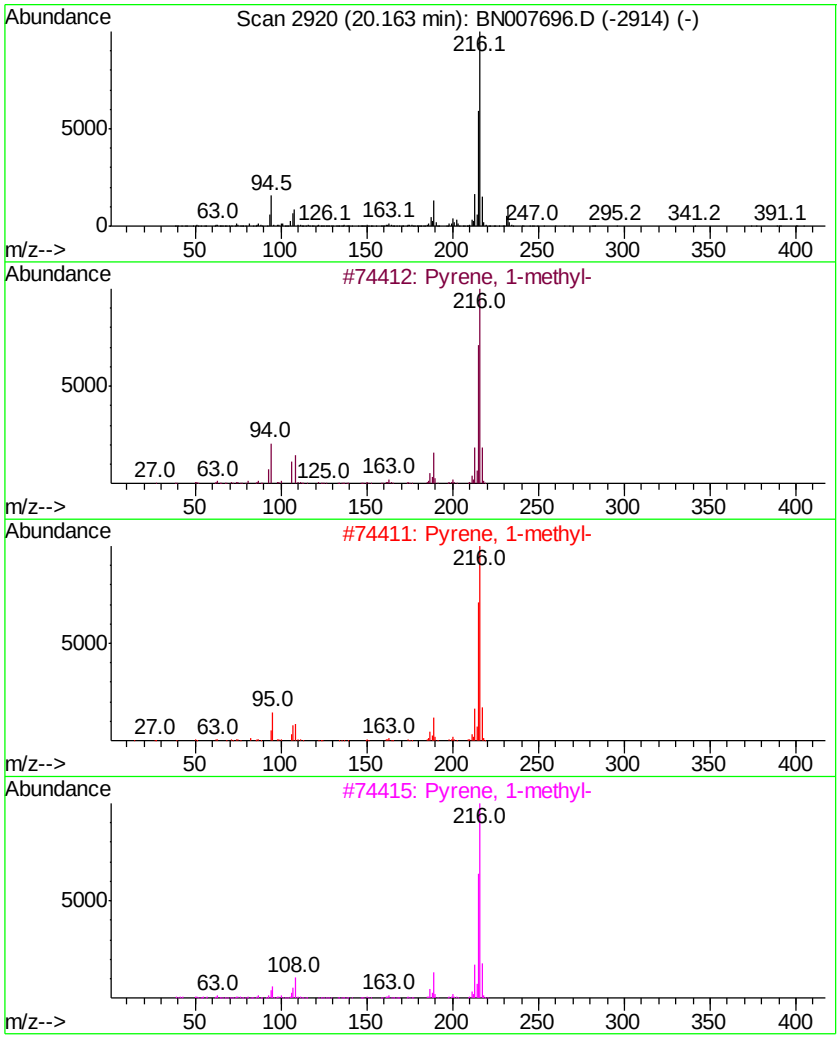
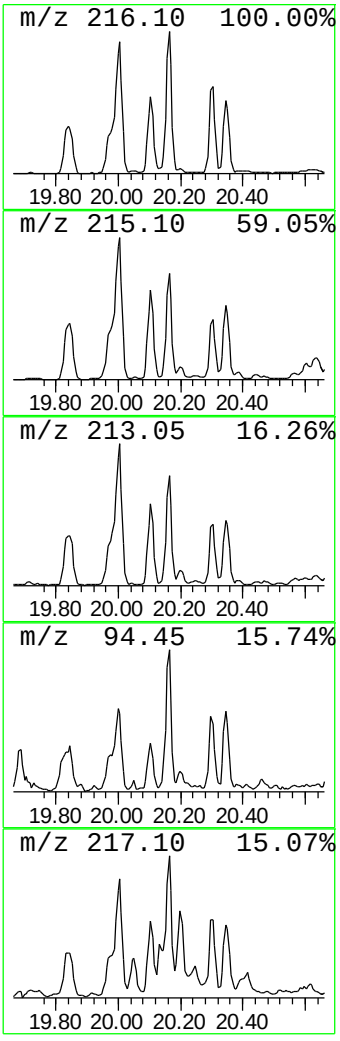
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.64 ng/ul	3915200	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

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

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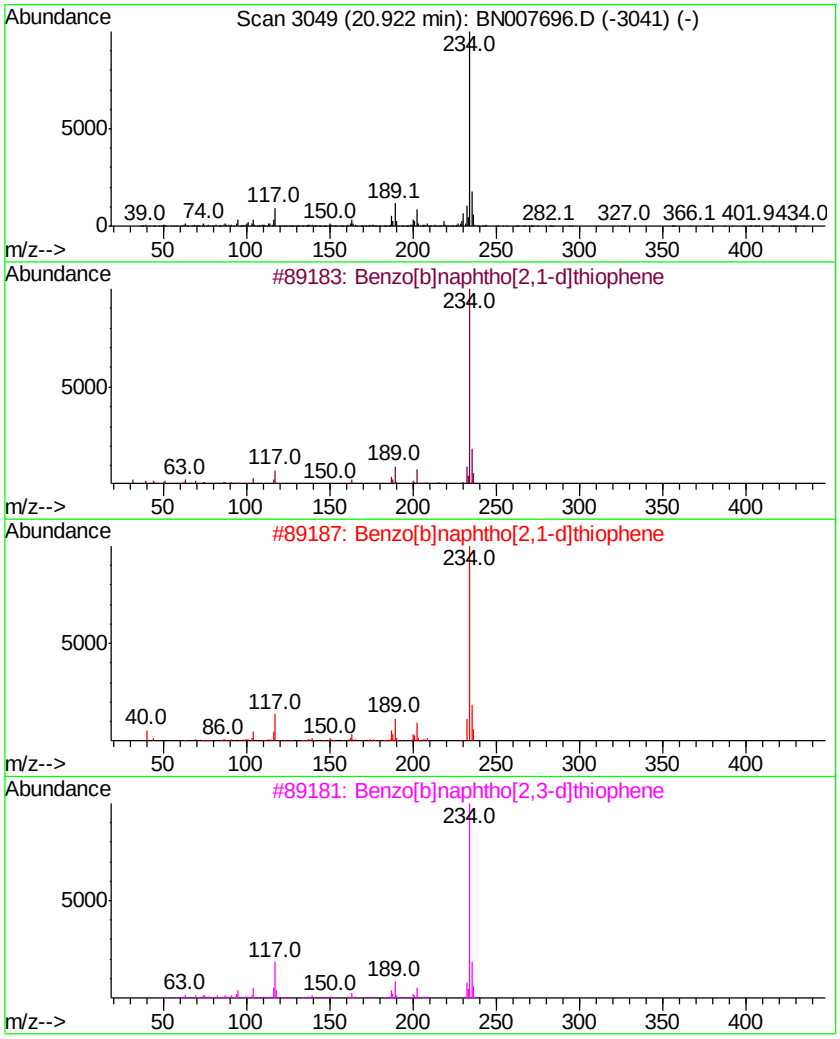
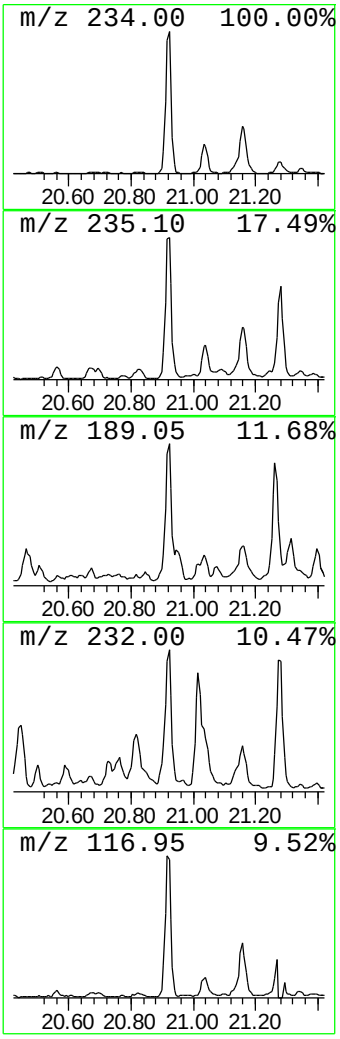
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	3.65 ng/ul	5403140	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

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

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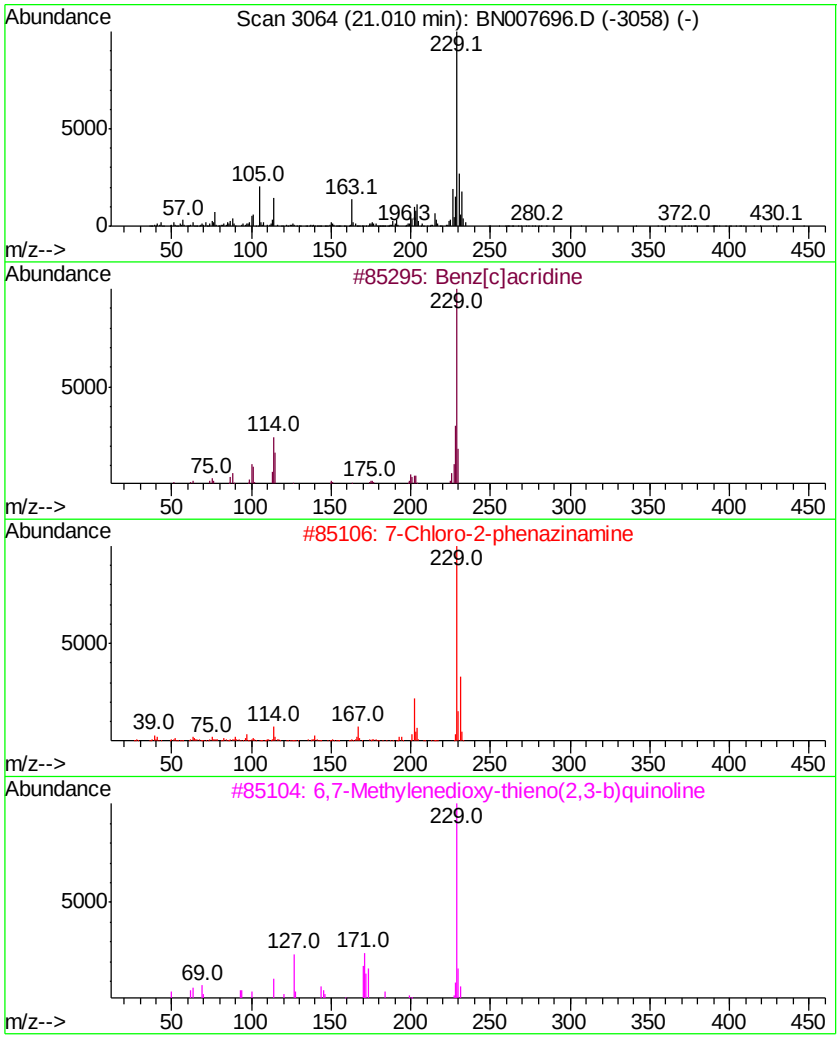
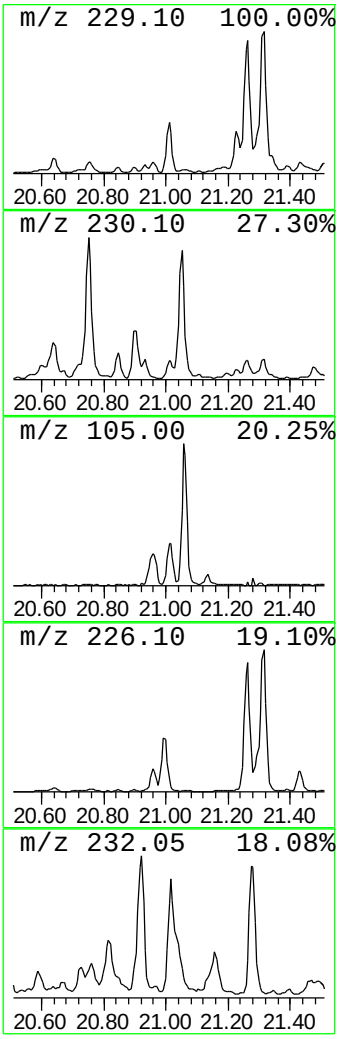
Peak Number 15 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	2.69 ng/ul	3990160	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	49
2	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	47
3	6,7-Methylenedioxy-thieno(2,3-b)...	229	C12H7NO2S	062638-09-9	47
4	10H-Phenothiazine, 3-methoxy-	229	C13H11NOS	001771-19-3	43
5	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	38





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Misc :
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Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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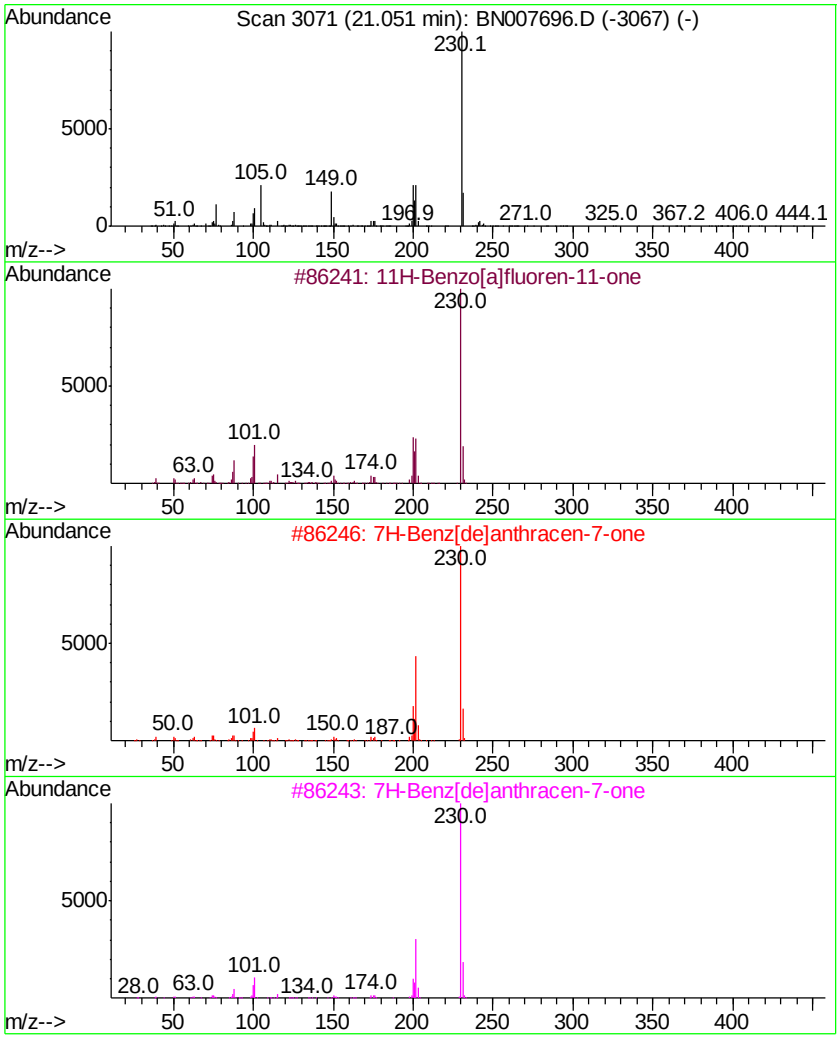
Quant Title : SVOA CALIBRATION

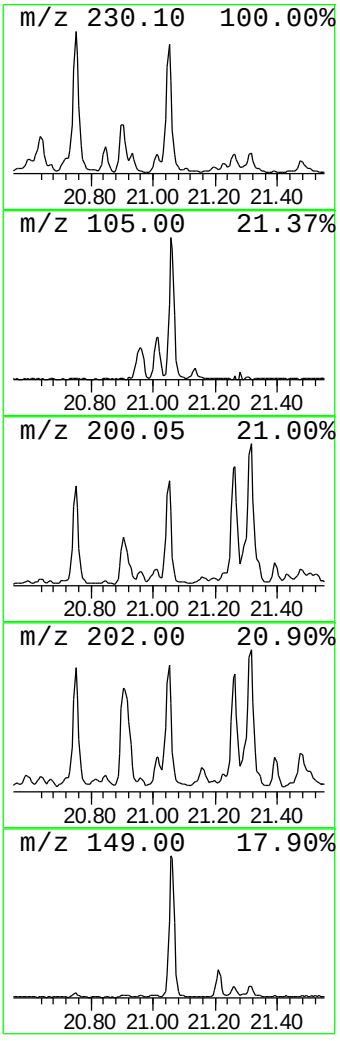
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.87 ng/ul	4249960	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	50
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	45





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

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Quant Title : SVOA CALIBRATION

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

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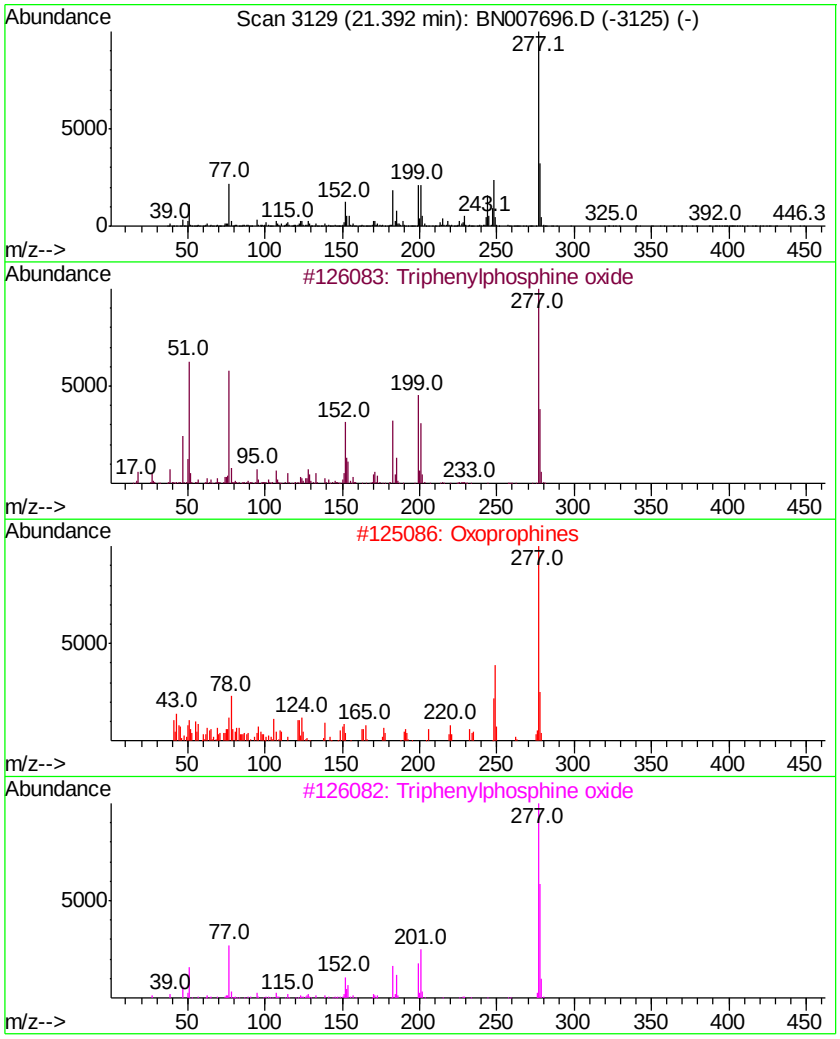
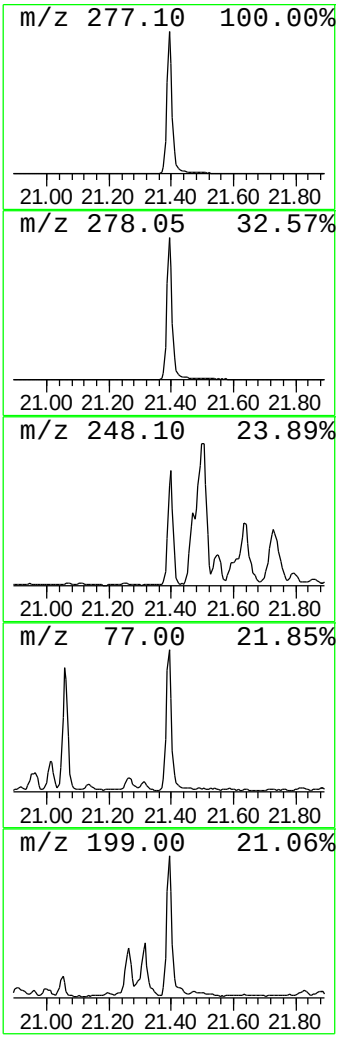
Peak Number 17 Triphenylphosphine oxide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	2.79 ng/ul	4135900	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	52
2	Oxoprophines	277	C17H11NO3	1000128-51-1	50
3	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	47
4	11H-Indeno[1,2-b]quinoxaline-11-...	277	C15H7N3O3	154458-01-2	37
5	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	35





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Misc :
ALS Vial : 5 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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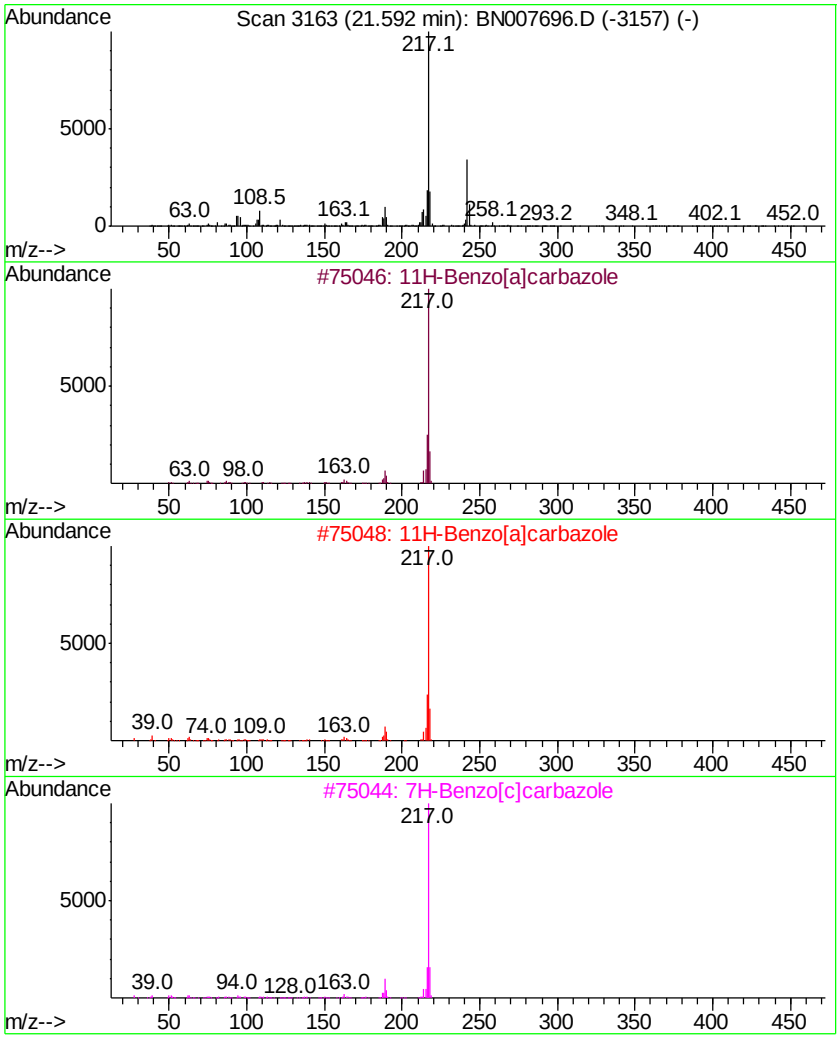
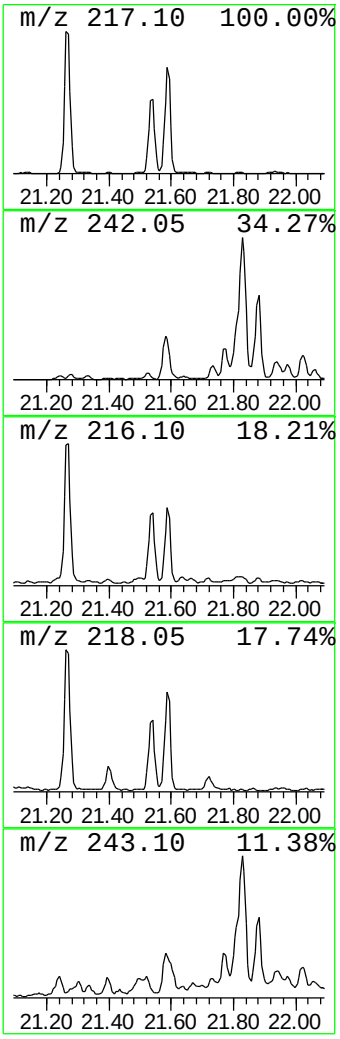
Peak Number 18 11H-Benzo[a]carbazole Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.30 ng/ul	3405790	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	83
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	64
5	Benzo(b)carbazole	217	C16H11N	000243-28-7	64





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Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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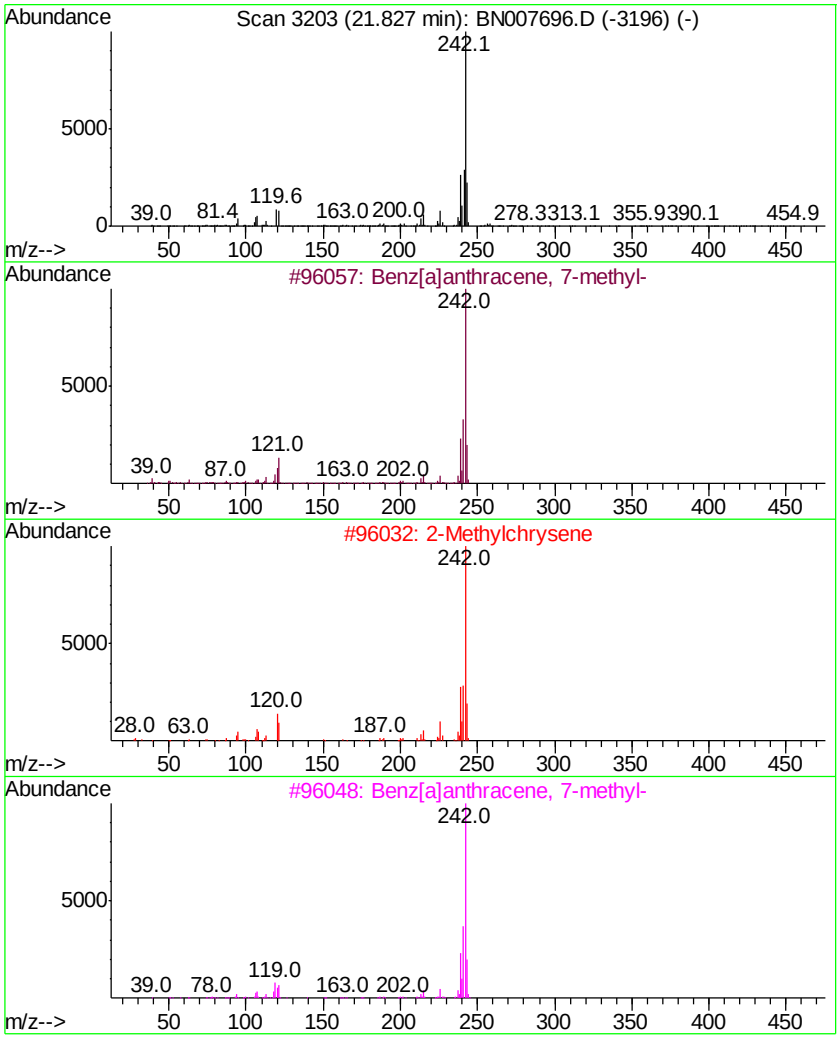
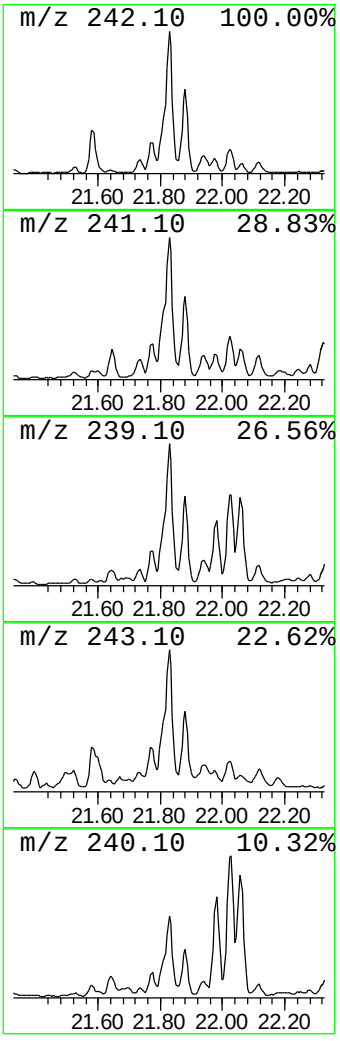
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.95 ng/ul	5856260	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	2-Methylchrysene	242	C19H14	003351-32-4	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





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Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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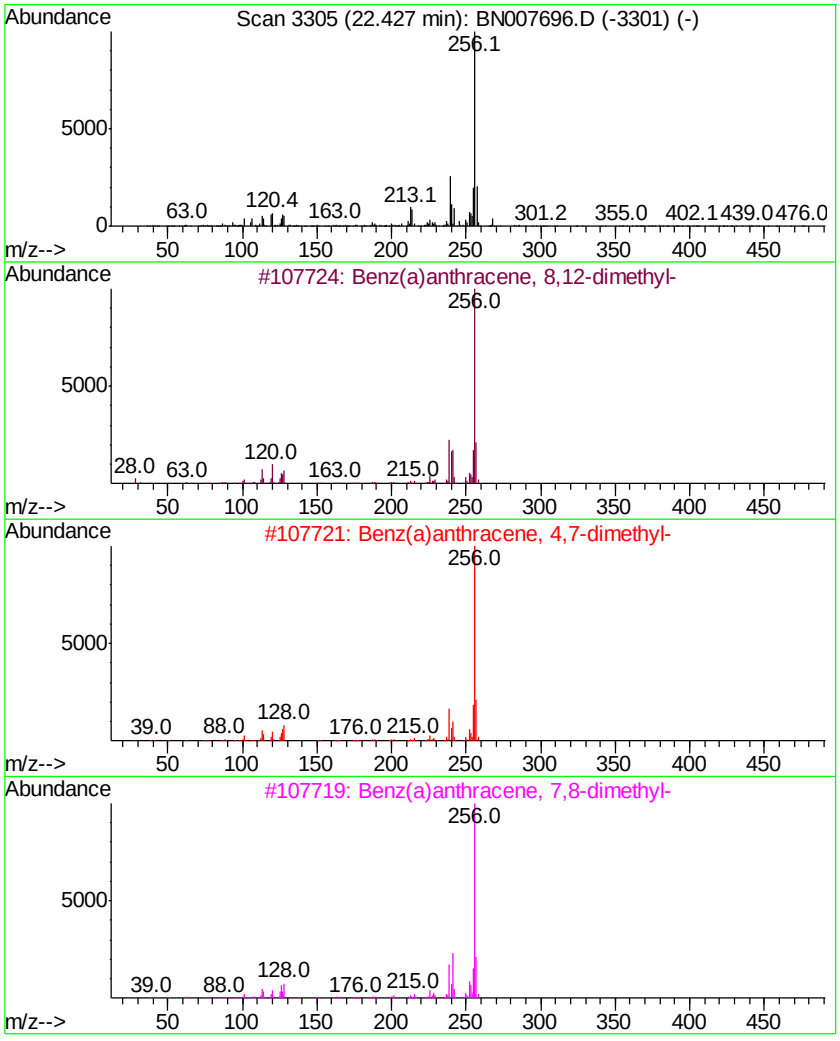
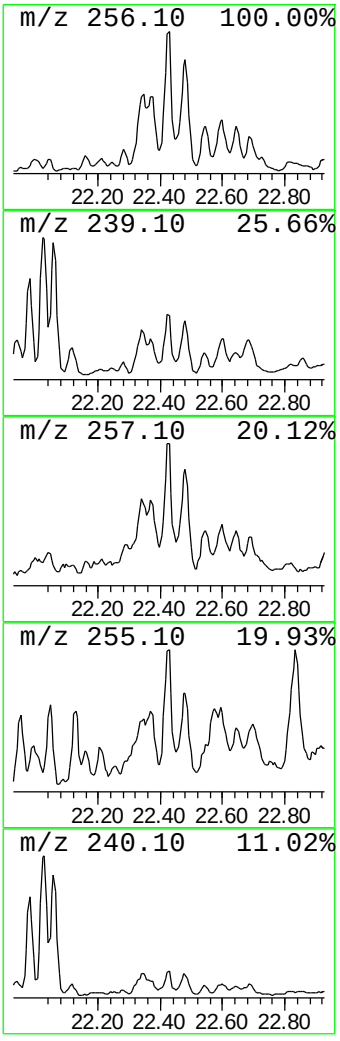
Peak Number 20 Benz(a)anthracene, 8,12-dim... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	2.75 ng/ul	1183300	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	96
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	93
3	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	91
4	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	91
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	90





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Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

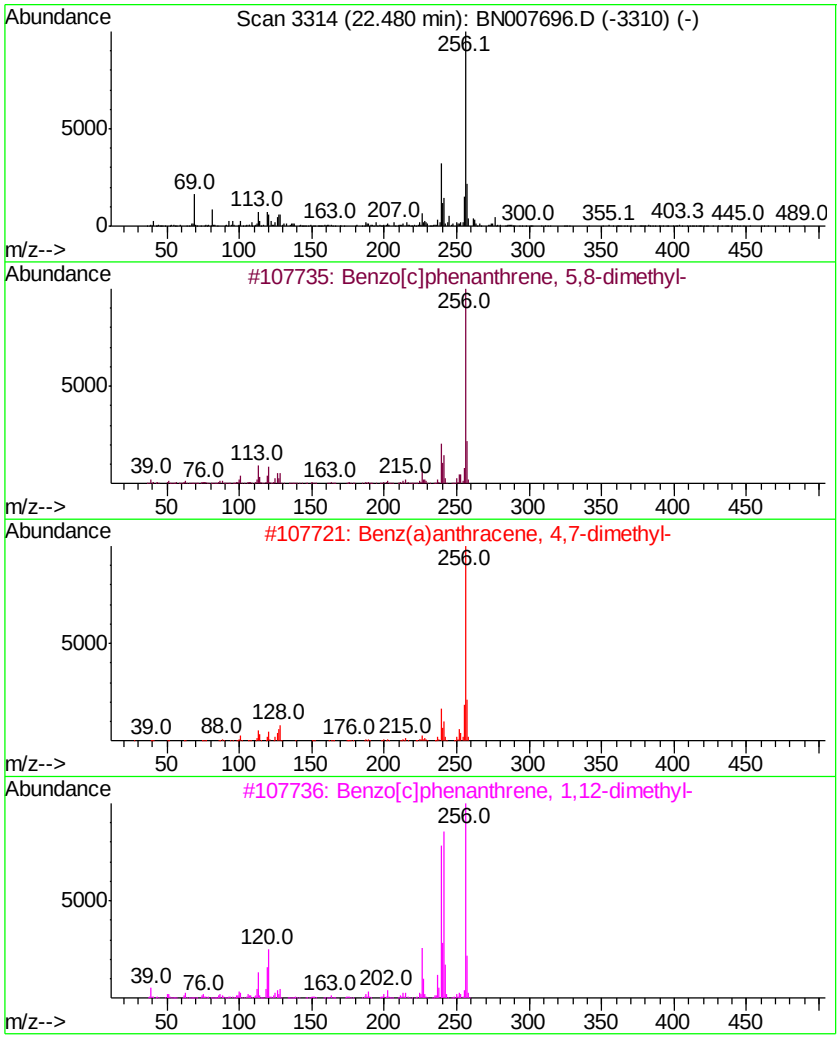
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

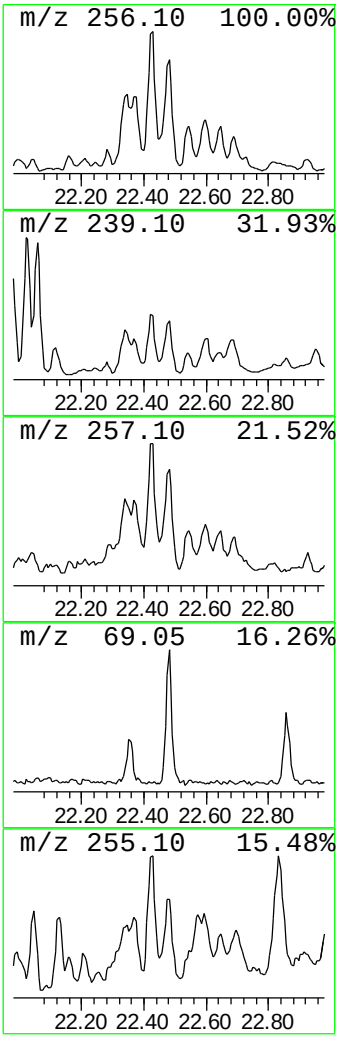
****

Peak Number 21 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	3.39 ng/ul	1459520	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	89
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	89
3	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	83
4	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	83
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	81





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Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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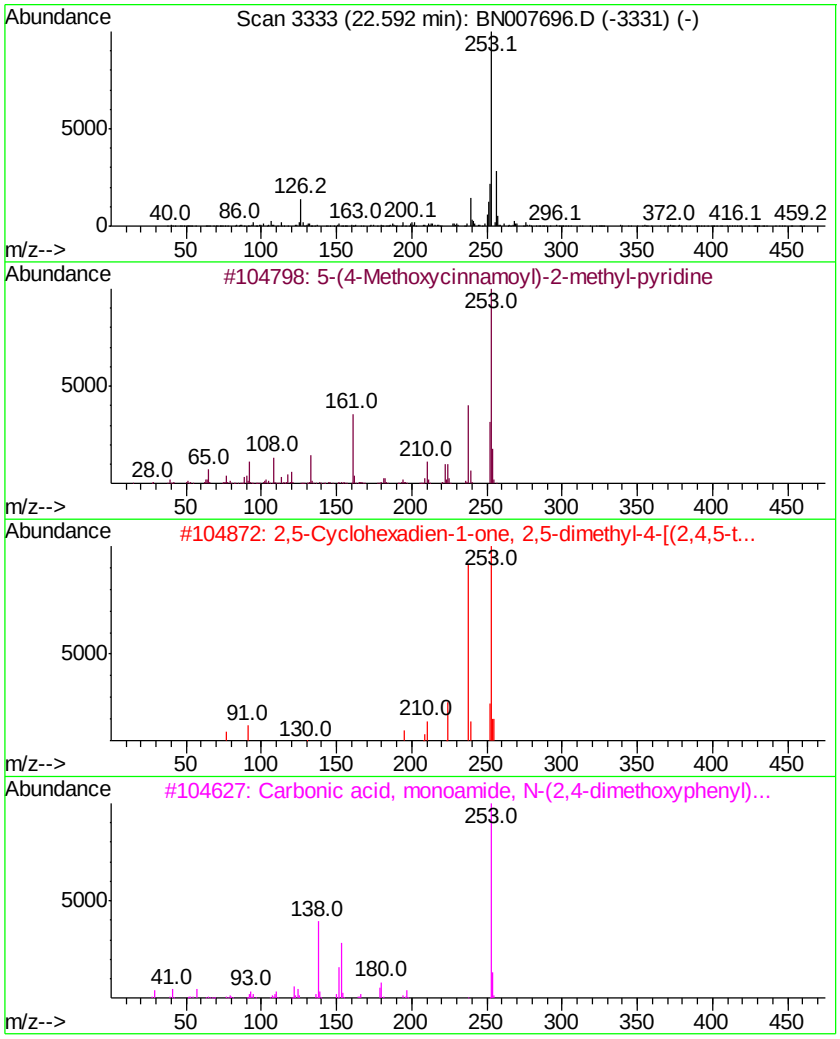
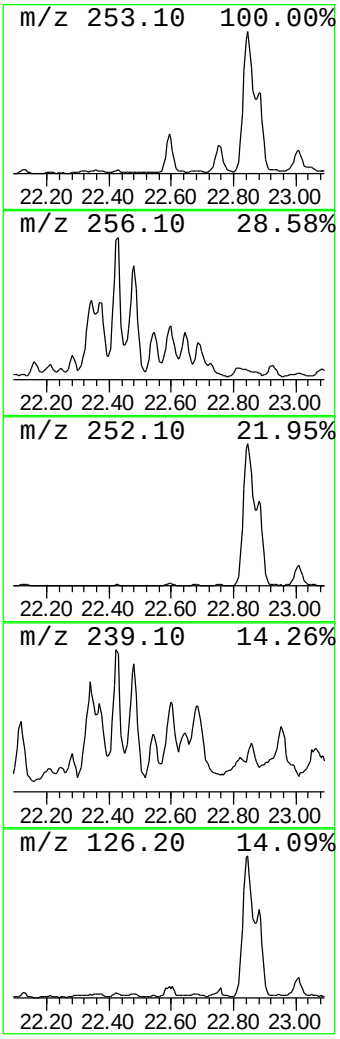
Peak Number 22 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	2.60 ng/ul	1117790	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(4-Methoxycinnamoyl)-2-methyl-...	253	C16H15NO2	094298-96-1	28
2	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	9
3	Carbonic acid, monoamide, N-(2,4...	253	C13H19NO4	1000339-98-7	9
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	9
5	3,12,12b-Trimethyl-1,2,3,4,6,7,1...	268	C18H24N2	082605-35-4	9





Library Search Compound Report

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Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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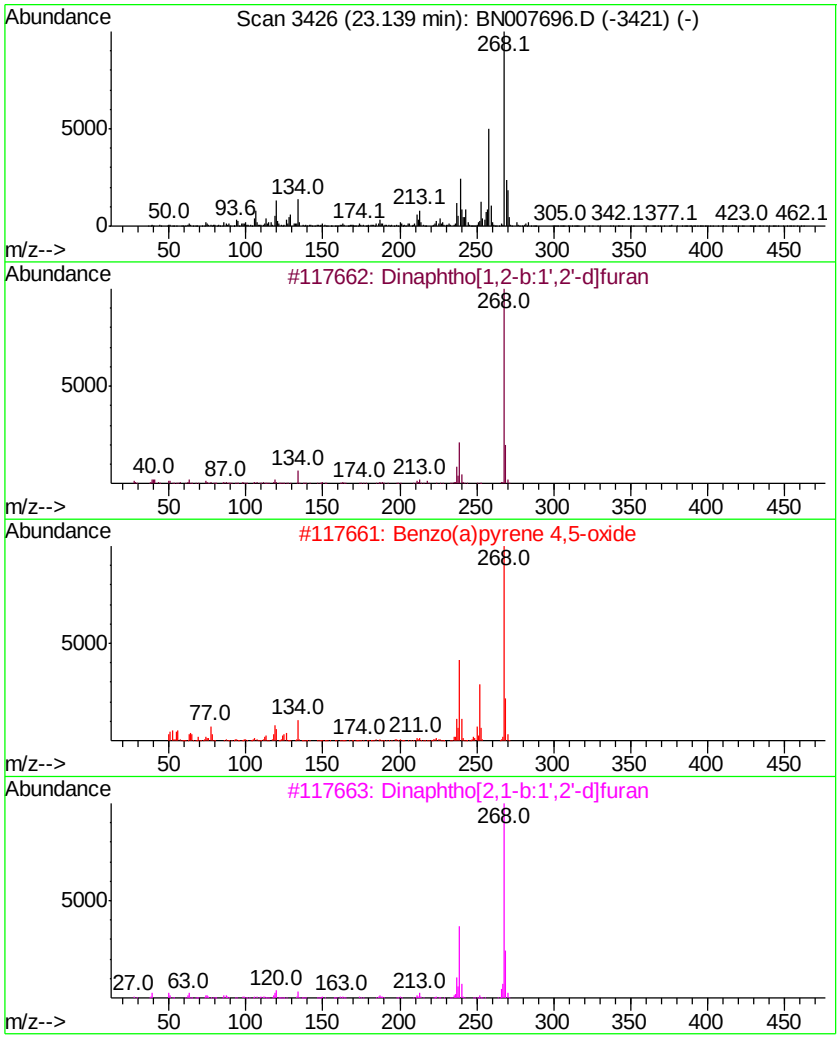
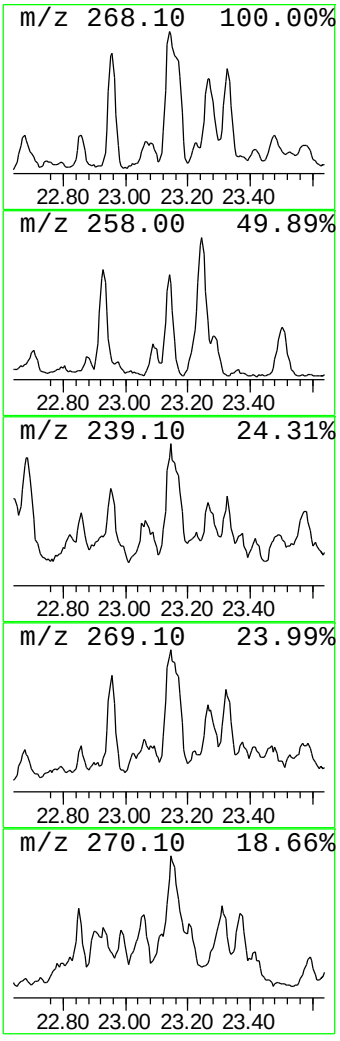
Peak Number 24 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	6.49 ng/ul	2793360	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	50
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	47
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	47





Library Search Compound Report

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Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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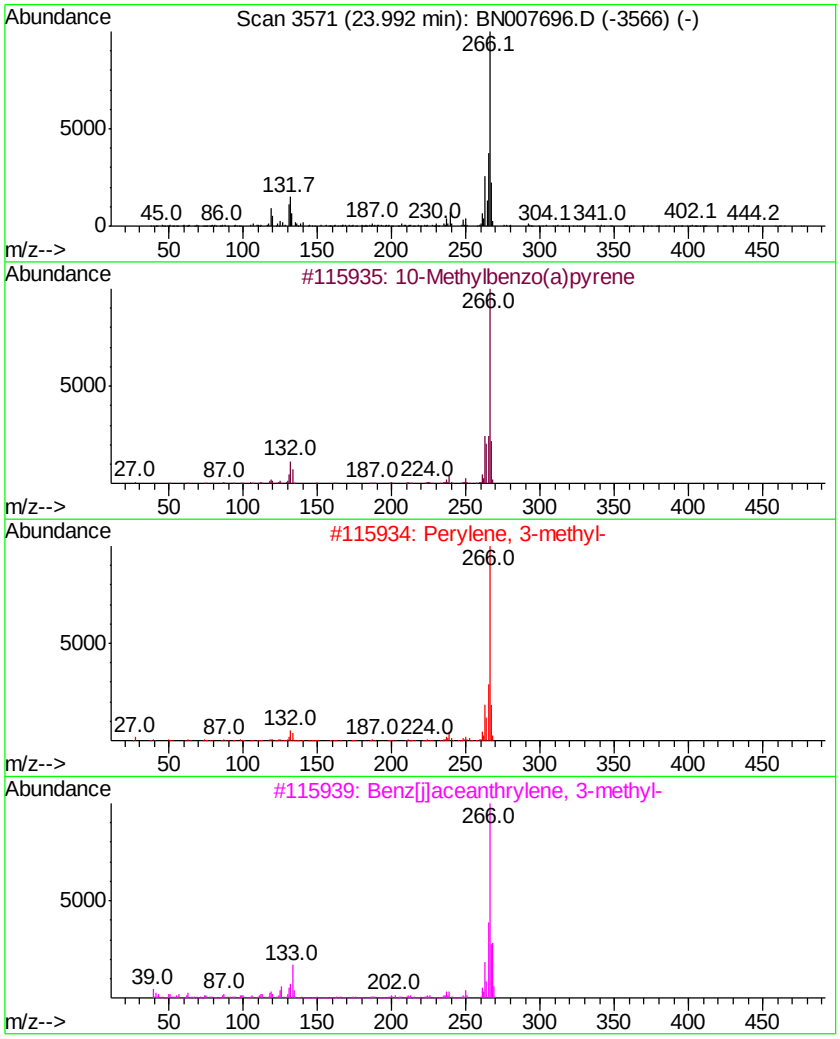
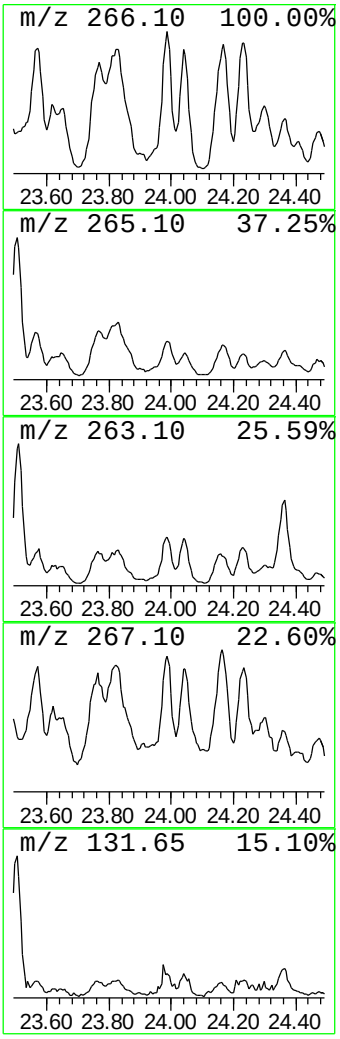
Peak Number 25 10-Methylbenzo(a)pyrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.99	2.37 ng/ul	1020300	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	89
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	89
3	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	52
4	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	43
5	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	43





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Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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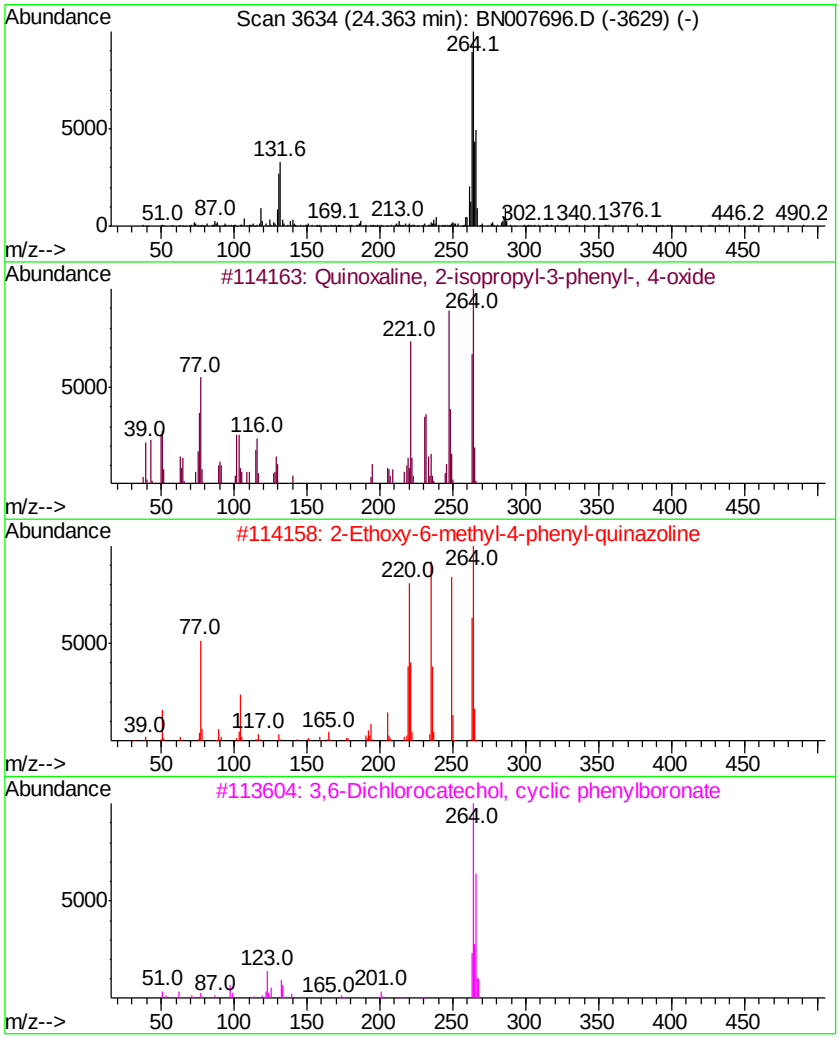
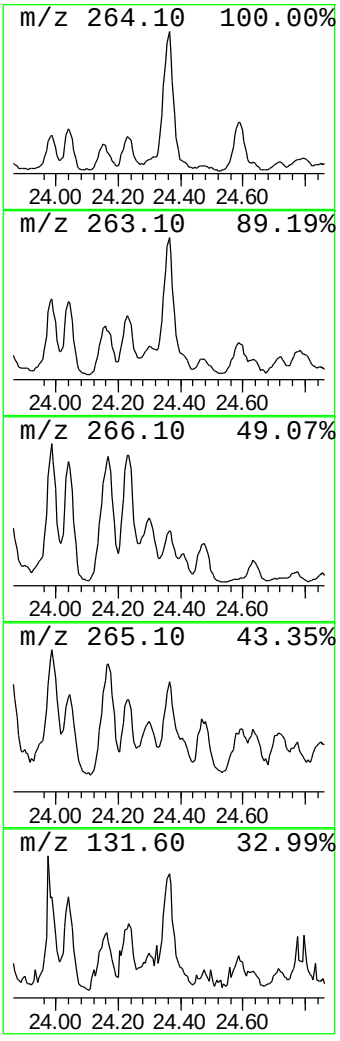
Peak Number 27 Quinoxaline, 2-isopropyl-3-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.36	2.54 ng/ul	1091510	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	50
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	43
3	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	35
4	Dibenz[b,f]azepine, 1,9-dichloro...	263	C14H11Cl2N	107517-53-3	35
5	9(10H)-Acridone, 4,5-dichloro-	263	C13H7Cl2NO	1000163-26-5	27





Library Search Compound Report

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Data File : BN007696.D
Acq On : 17 Sep 2019 14:43
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Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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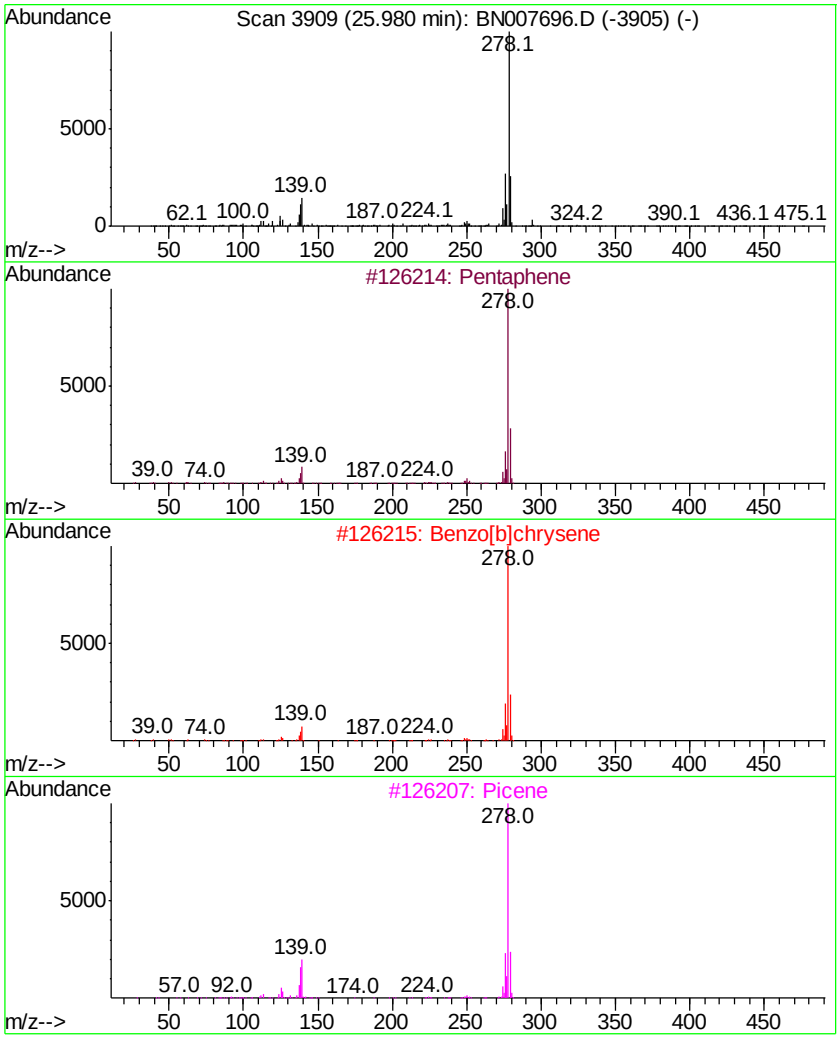
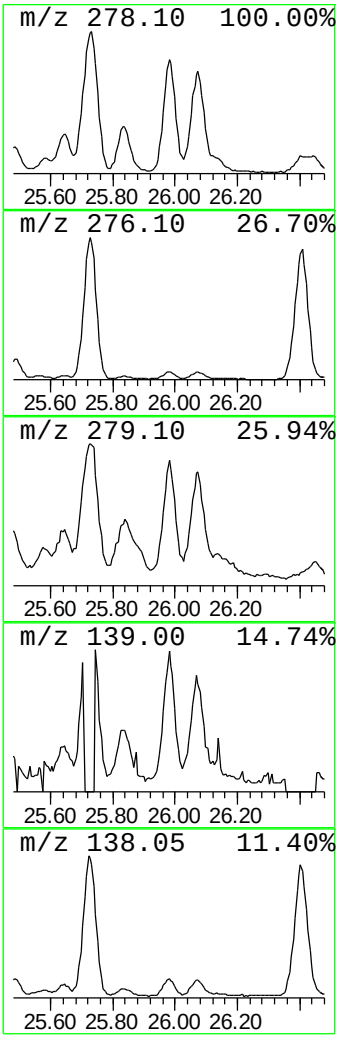
Peak Number 28 Pentaphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.98	4.54 ng/ul	1953820	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	97
2	Benzo[b]chrysene	278	C22H14	000214-17-5	96
3	Picene	278	C22H14	000213-46-7	96
4	Picene	278	C22H14	000213-46-7	95
5	Picene	278	C22H14	000213-46-7	95





Library Search Compound Report

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Data File : BN007696.D
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Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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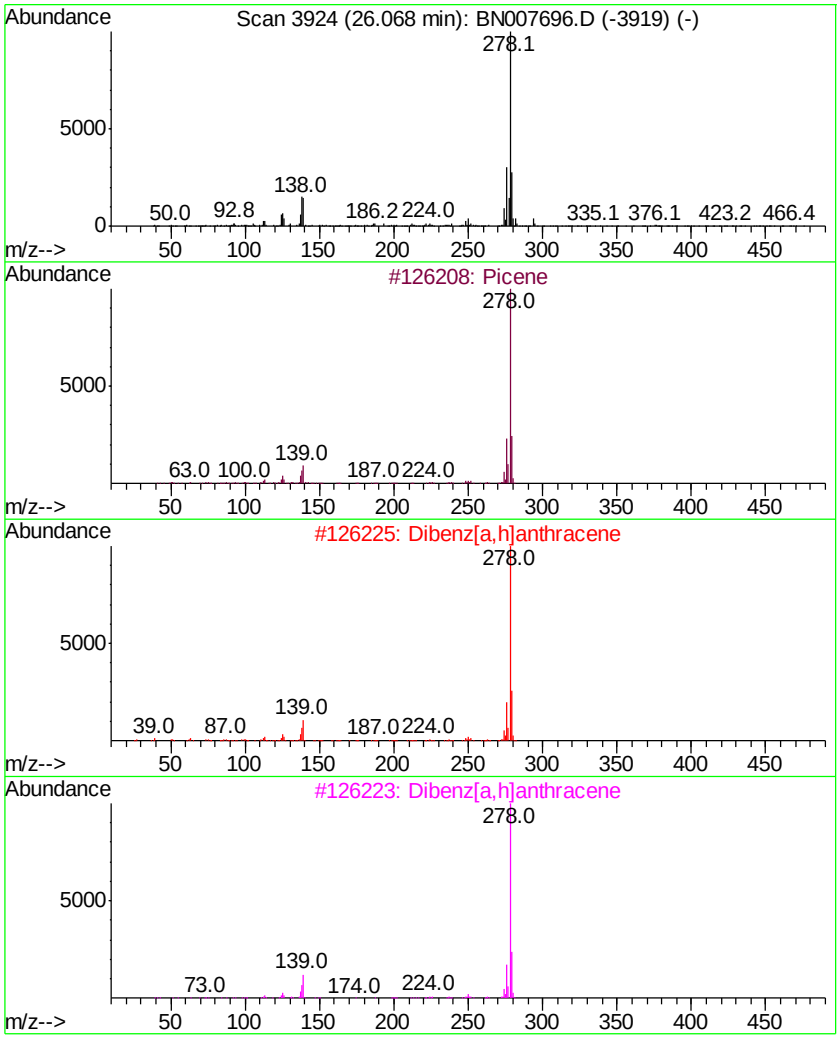
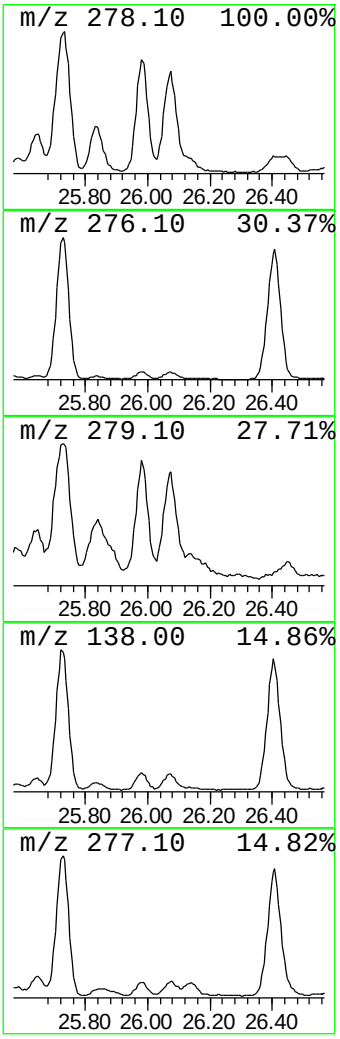
Peak Number 29 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.07	4.39 ng/ul	1888940	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Picene	278	C22H14	000213-46-7	96
5	Pentaphene	278	C22H14	000222-93-5	95





Tentatively Identified Compound (LSC) summary

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Data File : BN007696.D
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Operator : HP/JU
Sample : K4634-09MEDL2 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D27MEDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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
Butane, 2-methoxy...	3.01	11.9	ng/ul	1751470	1	7.69	2950960	20.0
1,1'-Biphenyl, 2-...	12.95	2.1	ng/ul	656537	3	14.33	6115800	20.0
Phenanthrene, 2-m...	17.95	3.8	ng/ul	1455720	4	17.07	7597480	20.0
Phenanthrene, 1-m...	18.00	6.4	ng/ul	2443930	4	17.07	7597480	20.0
4H-Cyclopenta[def...	18.15	5.9	ng/ul	2243260	4	17.07	7597480	20.0
Naphthalene, 2-ph...	18.46	2.7	ng/ul	1024620	4	17.07	7597480	20.0
9,10-Anthracenedione	18.49	2.9	ng/ul	1112760	4	17.07	7597480	20.0
Phenanthrene, 2,3...	18.87	2.8	ng/ul	1061540	4	17.07	7597480	20.0
Cyclopenta(def)ph...	19.02	3.6	ng/ul	1357290	4	17.07	7597480	20.0
11H-Benzo[b]fluorene	20.00	3.3	ng/ul	4892570	5	21.27	29624000	20.0
Pyrene, 1-methyl-	20.16	2.6	ng/ul	3915200	5	21.27	29624000	20.0
Benzo[b]naphtho[2...	20.92	3.6	ng/ul	5403140	5	21.27	29624000	20.0
unknown-01	21.01	2.7	ng/ul	3990160	5	21.27	29624000	20.0
11H-Benzo[a]fluor...	21.05	2.9	ng/ul	4249960	5	21.27	29624000	20.0
Triphenylphosphin...	21.39	2.8	ng/ul	4135900	5	21.27	29624000	20.0
11H-Benzo[a]carba...	21.59	2.3	ng/ul	3405790	5	21.27	29624000	20.0
Benz[a]anthracene...	21.83	4.0	ng/ul	5856260	5	21.27	29624000	20.0
Benz(a)anthracene...	22.43	2.8	ng/ul	1183300	6	23.50	8607110	20.0
Benzo[c]phenanthr...	22.48	3.4	ng/ul	1459520	6	23.50	8607110	20.0
unknown-02	22.59	2.6	ng/ul	1117790	6	23.50	8607110	20.0
Dinaphtho[1,2-b:1...	23.14	6.5	ng/ul	2793360	6	23.50	8607110	20.0
10-Methylbenzo(a)...	23.99	2.4	ng/ul	1020300	6	23.50	8607110	20.0
Quinoxaline, 2-is...	24.36	2.5	ng/ul	1091510	6	23.50	8607110	20.0
Pentaphene	25.98	4.5	ng/ul	1953820	6	23.50	8607110	20.0
Picene	26.07	4.4	ng/ul	1888940	6	23.50	8607110	20.0