LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	367	374	382	rBV	3673624	5141708	44.53%	3.061%
2	6.646	630	639	654	rBV	3450681	5526793	47.86%	3.290%
3	7.440	767	774	781	rBV	1367483	2054645	17.79%	1.223%
4	7.757	821	828	836	rVB	3362100	5180301	44.86%	3.084%
5	8.581	958	968	977	rBV	2293165	3679859	31.87%	2.191%
6	10.198	1235	1243	1249	rBV	1656266	2727086	23.62%	1.624%
7	11.869	1520	1527	1537	rVB	90871	180350	1.56%	0.107%
8	12.098	1558	1566	1571	rVB	85968	139485	1.21%	0.083%
9	12.704	1663	1669	1680	rVB	6626617	9477178	82.07%	5.642%
10	12.951	1707	1711	1718	rVB	113712	151071	1.31%	0.090%
11	13.251	1757	1762	1770	rVB3	89743	231187	2.00%	0.138%
12	13.410	1783	1789	1794	rBV	181215	294546	2.55%	0.175%
13	13.463	1794	1798	1803	rVB	119090	176402	1.53%	0.105%
14	13.557	1803	1814	1820	rBV	687705	1104213	9.56%	0.657%
15	13.645	1826	1829	1840	rVB	122423	256657	2.22%	0.153%
16	13.804	1848	1856	1868	rBV	375589	724537	6.27%	0.431%
17	14.092	1898	1905	1910	rBV	2357688	3585070	31.05%	2.134%
18	14.151	1910	1915	1919	rBV	296283	381765	3.31%	0.227%
19	14.316	1937	1943	1951	rBV2	80727	188655	1.63%	0.112%
20	14.498	1967	1974	1981	rVV3	249949	492306	4.26%	0.293%
21	14.580	1981	1988	1992	rVV	171349	268338	2.32%	0.160%
22	14.721	2006	2012	2017	rBV2	149164	285469	2.47%	0.170%
23	14.774	2017	2021	2025	rVB	126461	169061	1.46%	0.101%
24	15.145	2079	2084	2090	rBV2	495303	741434	6.42%	0.441%
25	15.445	2131	2135	2139	rBV	175660	242279	2.10%	0.144%
26	15.586	2152	2159	2169	rVB	4885557	6931316	60.02%	4.126%
27	15.674	2170	2174	2181	rVB3	81726	137989	1.19%	0.082%
28	15.833	2194	2201	2204	rBV3	113426	255239	2.21%	0.152%
29	15.886	2208	2210	2215	rVB	96547	134959	1.17%	0.080%
30	16.157	2248	2256	2261	rBV3	164994	386753	3.35%	0.230%
31	16.204	2261	2264	2270	rVB3	119004	176696	1.53%	0.105%
32	16.298	2276	2280	2287	rVB4	131414	234729	2.03%	0.140%
33	16.392	2292	2296	2299	rVV2	133484	216735	1.88%	0.129%
34	16.427	2299	2302	2306	rVV3	163640	255298	2.21%	0.152%

LSC Area Percent Report

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Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.498	2310	2314	2322	rVV3	202772	403248	3.49%	0.240%
36	16.586	2325	2329	2334	rVV3	134176	277829	2.41%	0.165%
37	16.657	2337	2341	2346	rVV	325828	480741	4.16%	0.286%
38	16.710	2347	2350	2355	rVB3	116332	155914	1.35%	0.093%
39	16.839	2366	2372	2376	rBV	2619160	3837198	33.23%	2.284%
40	16.886	2376	2380	2386	rVV	4549592	6214622	53.82%	3.700%
41	16.968	2390	2394	2400	rVB	1243838	1745069	15.11%	1.039%
42	17.045	2402	2407	2412	rBV2	140064	270585	2.34%	0.161%
43	17.162	2424	2427	2431	rVB	122325	153924	1.33%	0.092%
44	17.245	2438	2441	2447	rBV	114377	210463	1.82%	0.125%
45	17.368	2459	2462	2465	rBV	130391	158902	1.38%	0.095%
46	17.421	2468	2471	2477	rVB	321528	430358	3.73%	0.256%
47	17.568	2492	2496	2500	rVB	169895	259986	2.25%	0.155%
48	17.715	2516	2521	2525	rVV	965827	1449453	12.55%	0.863%
49	17.768	2525	2530	2538	rVV	1261921	2379226	20.60%	1.416%
50	17.845	2539	2543	2548	rVV	478421	665950	5.77%	0.396%
51	17.910	2548	2554	2558	rVV2	1415696	2550125	22.08%	1.518%
52	17.945	2558	2560	2566	rVB	712638	883616	7.65%	0.526%
53	18.121	2587	2590	2594	rVB2	189758	249984	2.16%	0.149%
54	18.221	2603	2607	2611	rBV2	610416	911515	7.89%	0.543%
55	18.257	2611	2613	2622	rVB2	426583	626388	5.42%	0.373%
56	18.445	2642	2645	2647	rBV2	153212	200030	1.73%	0.119%
57	18.474	2647	2650	2655	rVV	330734	518796	4.49%	0.309%
58	18.527	2655	2659	2662	rVV	489939	656420	5.68%	0.391%
59	18.568	2662	2666	2670	rVB	343999	476305	4.12%	0.284%
60	18.651	2675	2680	2684	rVV	988350	1532418	13.27%	0.912%
61	18.709	2685	2690	2693	rVV2	521899	969001	8.39%	0.577%
62	18.745	2694	2696	2699	rVB	314487	302890	2.62%	0.180%
63	18.786	2699	2703	2711	rBV3	549090	976742	8.46%	0.581%
64	18.909	2719	2724	2730	rBV	8005713	10611340	91.89%	6.317%
65	18.986	2734	2737	2740	rBV	176461	239682	2.08%	0.143%
66	19.062	2747	2750	2755	rBV2	168316	271292	2.35%	0.162%
67	19.156	2762	2766	2772	rVB3	240482	359820	3.12%	0.214%
68	19.274	2777	2786	2790	rBV	7276212	10730772	92.93%	6.388%
69	19.309	2790	2792	2796	rVV2	442221	569889	4.94%	0.339%
70	19.368	2796	2802	2807	rVB3	443054	945866	8.19%	0.563%
71	19.456	2814	2817	2820	rBV2	361598	426564	3.69%	0.254%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.498	2820	2824	2836	rVB	9088973	11547638	100.00%	6.875%
73	19.609	2838	2843	2849	rBV3	651475	1377096	11.93%	0.820%
74	19.698	2855	2858	2862	rBV4	206345	312413	2.71%	0.186%
75	19.745	2862	2866	2868	rVV3	603653	955298	8.27%	0.569%
76	19.780	2869	2872	2877	rVB	1204495	1573081	13.62%	0.937%
77	19.880	2886	2889	2893	rVB	607253	701529	6.08%	0.418%
78	19.939	2894	2899	2903	rVV2	1009579	1360473	11.78%	0.810%
79	20.074	2919	2922	2926	rVB	695563	823761	7.13%	0.490%
80	20.121	2926	2930	2935	rBV	705936	889723	7.70%	0.530%
81	20.527	2996	2999	3007	rVB	681367	1041727	9.02%	0.620%
82	20.692	3021	3027	3031	rBV3	666637	1439773	12.47%	0.857%
83	20.733	3031	3034	3037	rVB	497005	524737	4.54%	0.312%
84	20.768	3037	3040	3044	rBV2	424550	659800	5.71%	0.393%
85	21.039	3081	3086	3091	rBV2	4641384	8900866	77.08%	5.299%
86	21.086	3091	3094	3102	rVB	3437407	4439123	38.44%	2.643%
87	21.168	3106	3108	3111	rBV2	214778	217539	1.88%	0.130%
88	21.203	3111	3114	3119	rBV	348184	494623	4.28%	0.294%
89	21.356	3137	3140	3146	rBV3	302595	585112	5.07%	0.348%
90	21.592	3177	3180	3184	rVB	899997	1090125	9.44%	0.649%
91	21.639	3185	3188	3192	rVB	598546	666586	5.77%	0.397%
92	21.774	3207	3211	3214	rBV	588122	786480	6.81%	0.468%
93	21.915	3232	3235	3239	rVB2	419314	451585	3.91%	0.269%
94	22.233	3286	3289	3293	rVB	715660	859609	7.44%	0.512%
95	22.544	3337	3342	3347	rBV	2644003	5705604	49.41%	3.397%
96	22.703	3366	3369	3373	rVB	489004	652683	5.65%	0.389%
97	22.986	3413	3417	3425	rVB	1650056	2822619	24.44%	1.680%
98	23.074	3427	3432	3438	rBV	2500364	4072736	35.27%	2.425%
99	23.162	3442	3447	3452	rBV	2038348	3407797	29.51%	2.029%
100	25.233	3793	3799	3810	rVB2	1238156	3380829	29.28%	2.013%

Sum of corrected areas: 167973997

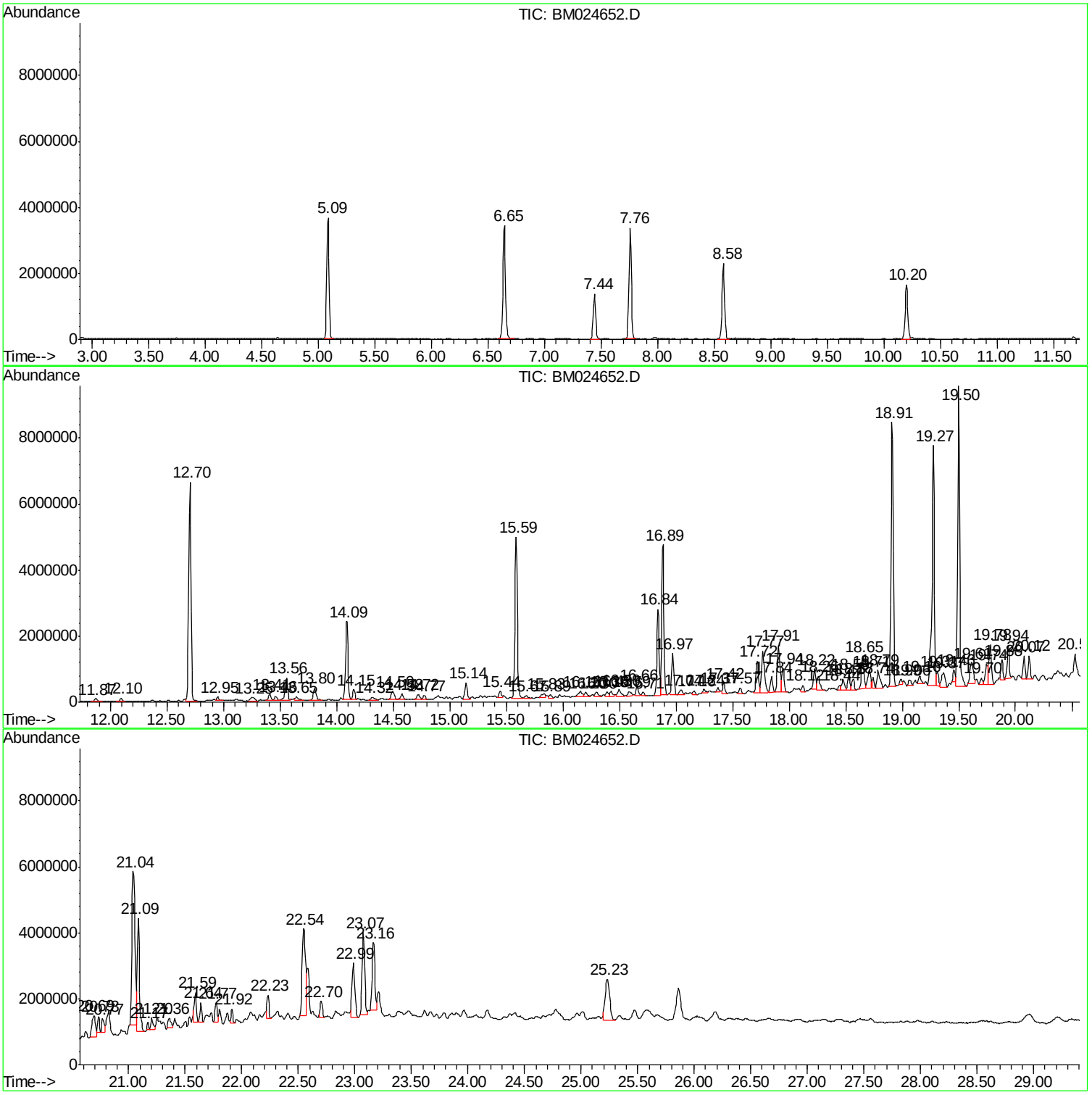
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

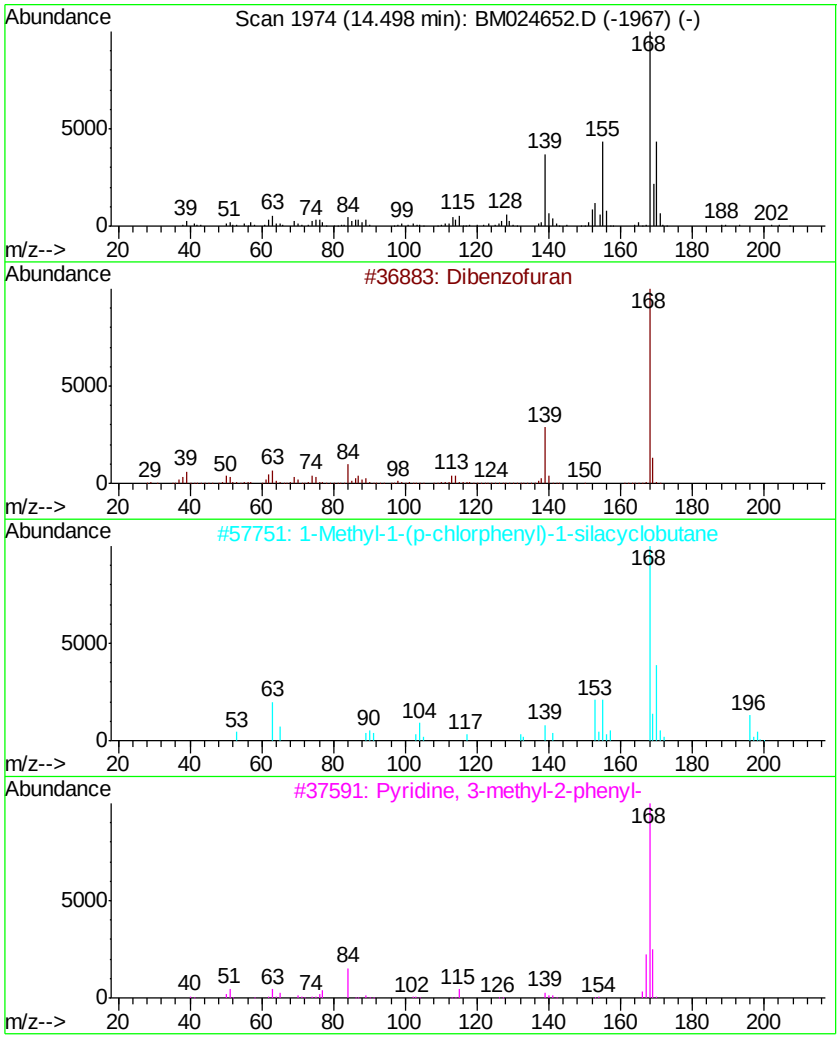
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

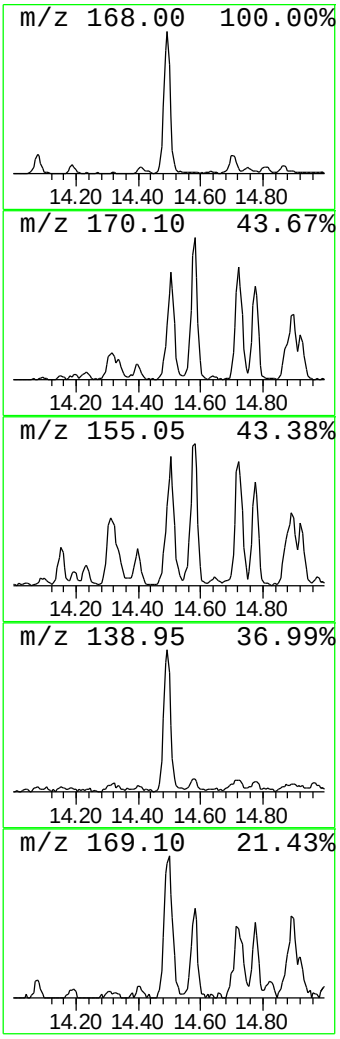
****

Peak Number 2 unknown14.50 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.75 ng	492306	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	41
2	1-Methyl-1-(p-chlorphenyl)-1-sil...	196	C10H13ClSi	057465-49-3	40
3	Pyridine, 3-methyl-2-phenyl-	169	C12H11N	010273-90-2	35
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	35
5	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

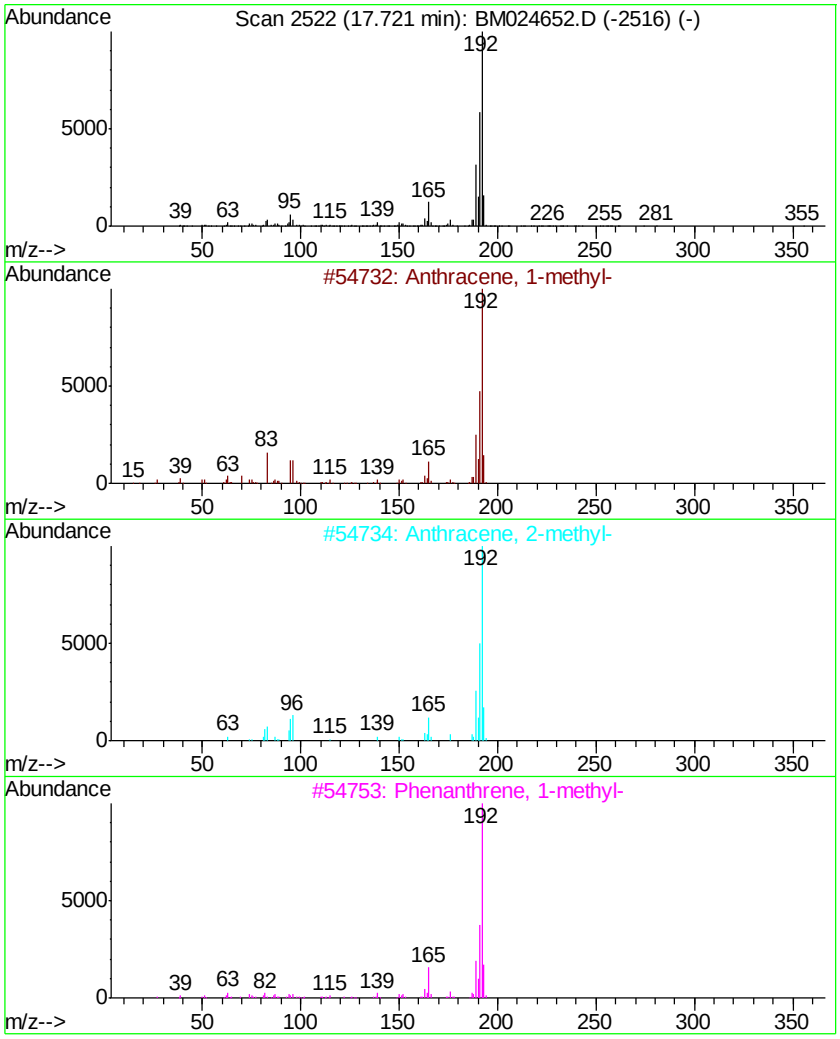
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

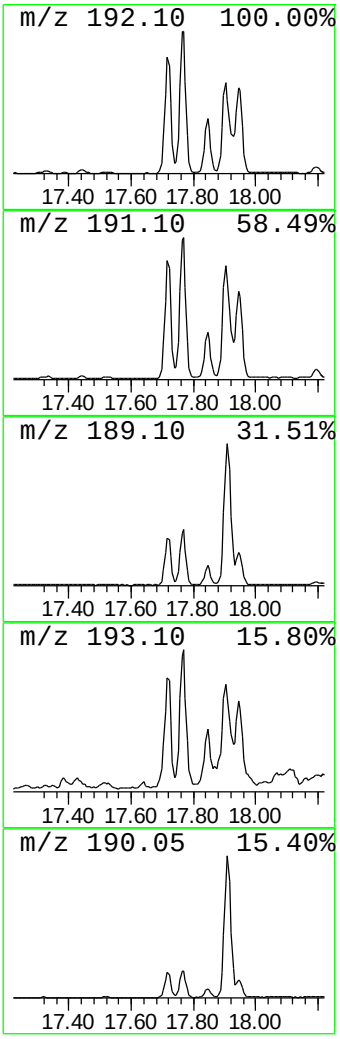
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	7.55 ng	1449450	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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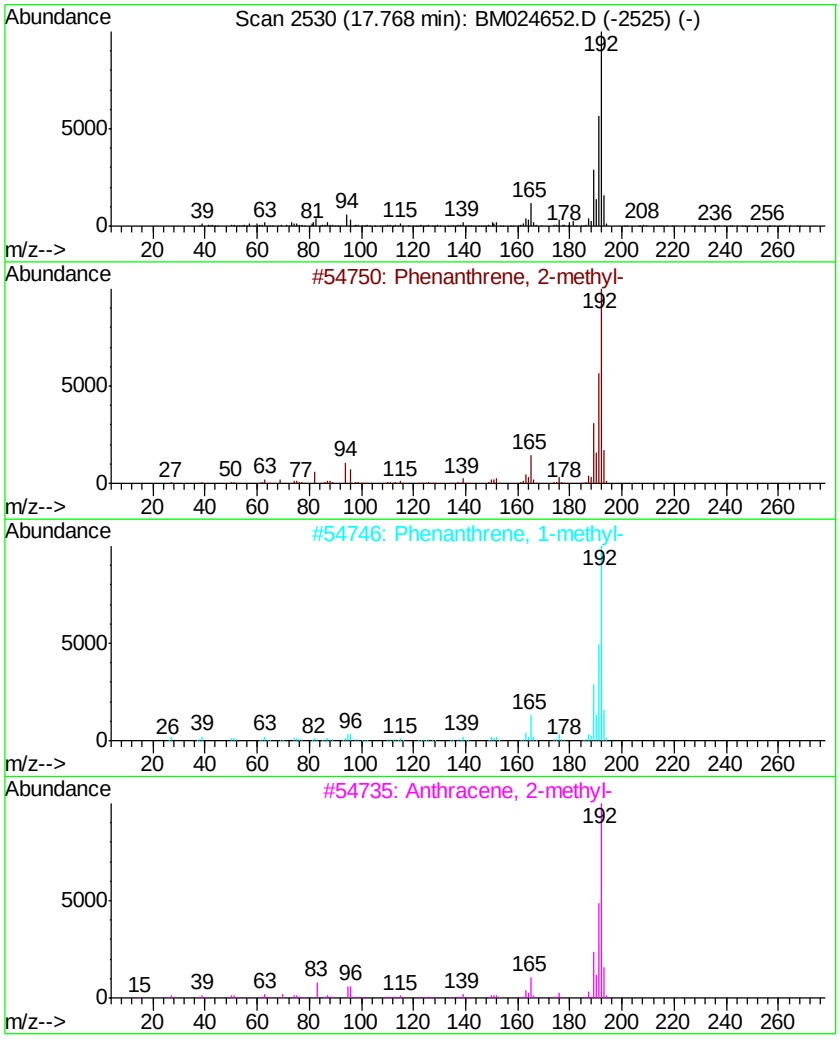
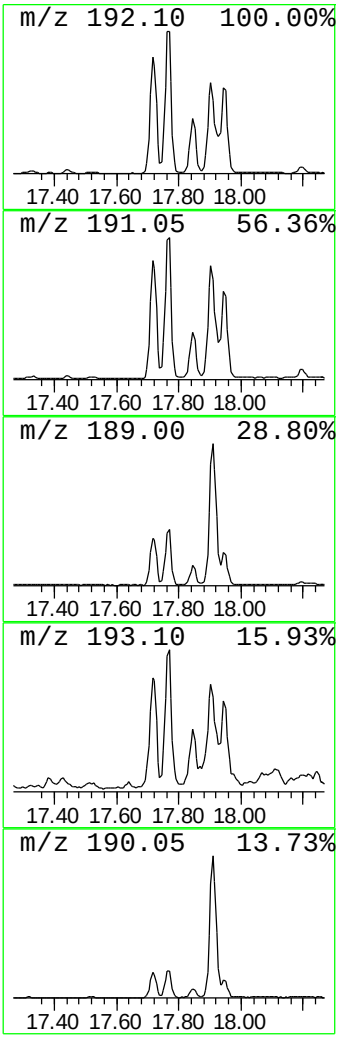
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	12.40 ng	2379230	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

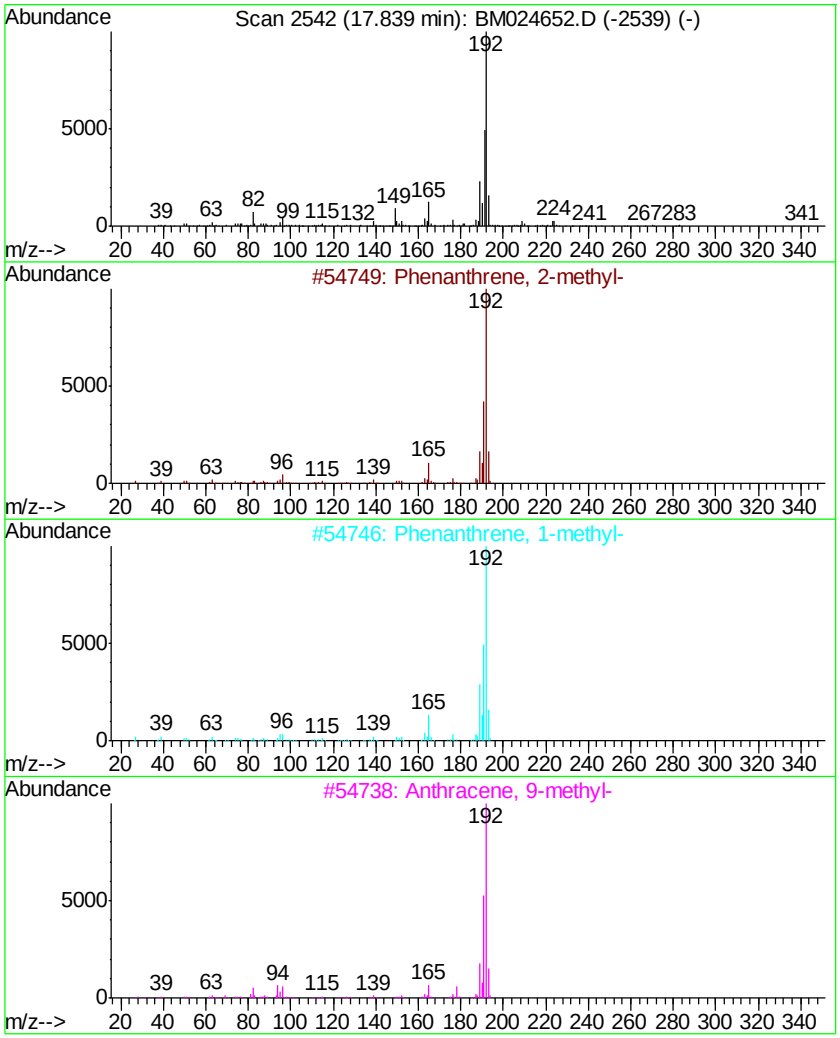
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

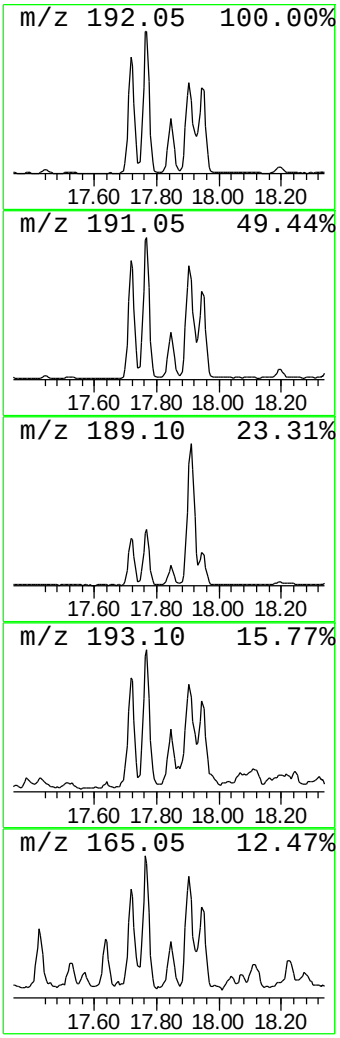
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	3.47 ng	665950	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

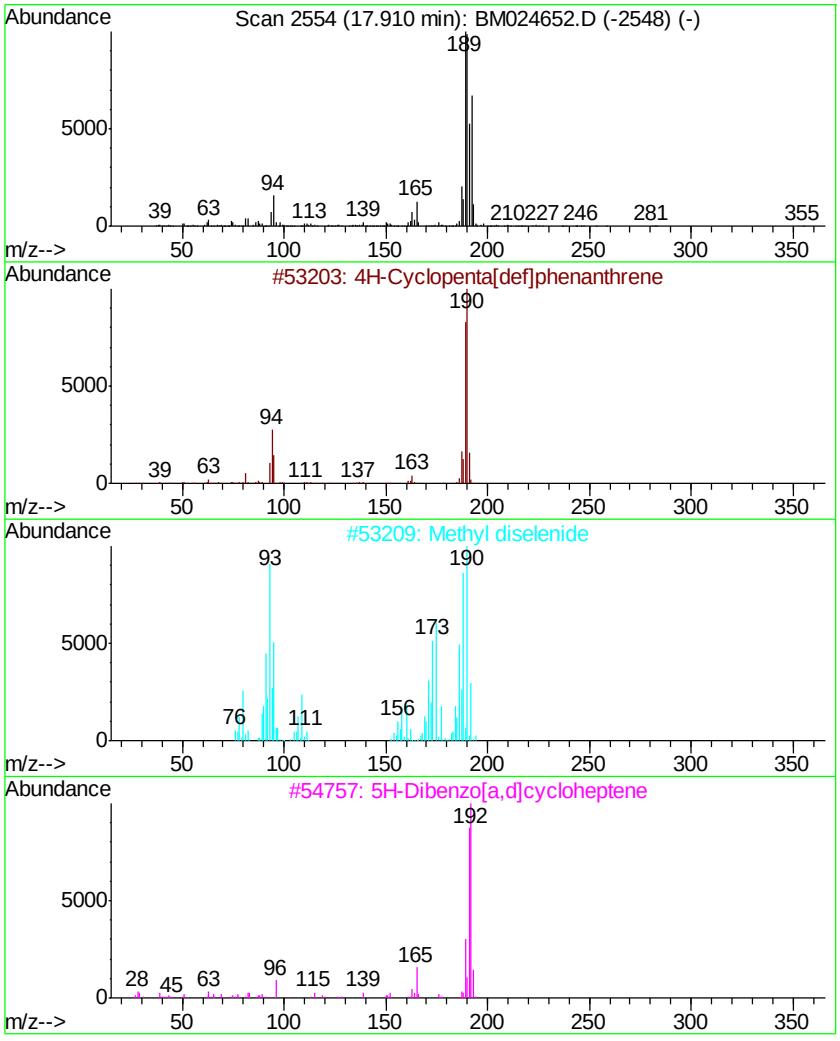
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

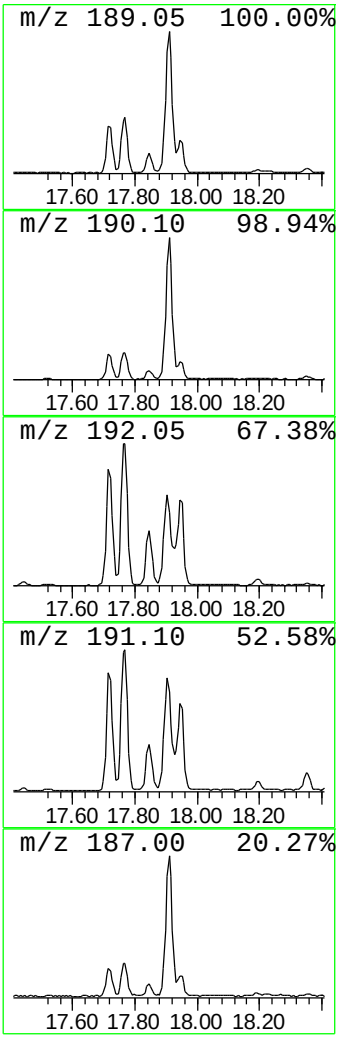
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	13.29 ng	2550130	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Methyl diselenide	190	C2H6Se2	007101-31-7	41
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





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Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

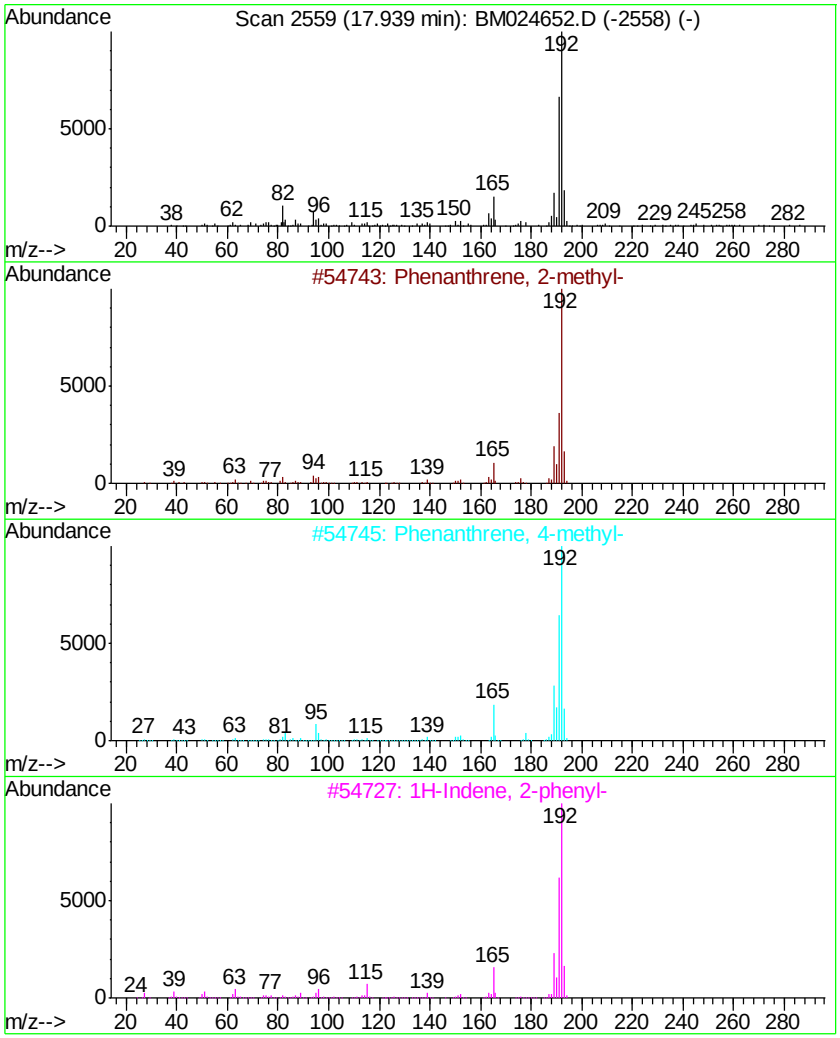
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

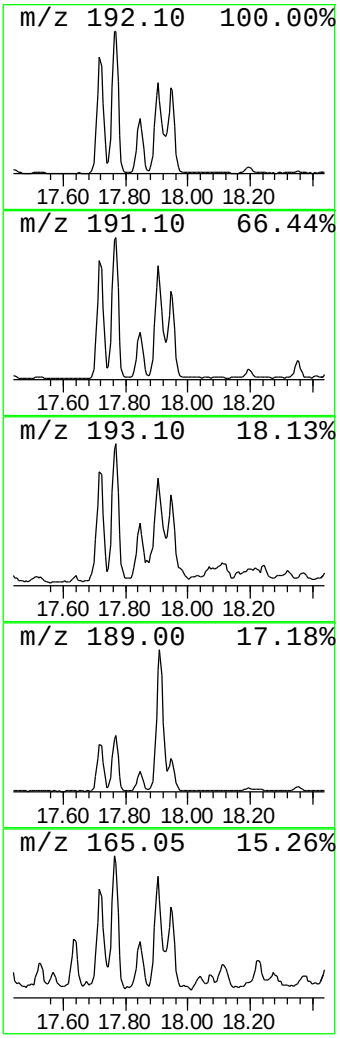
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.61 ng	883616	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

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Sample : L1274-01
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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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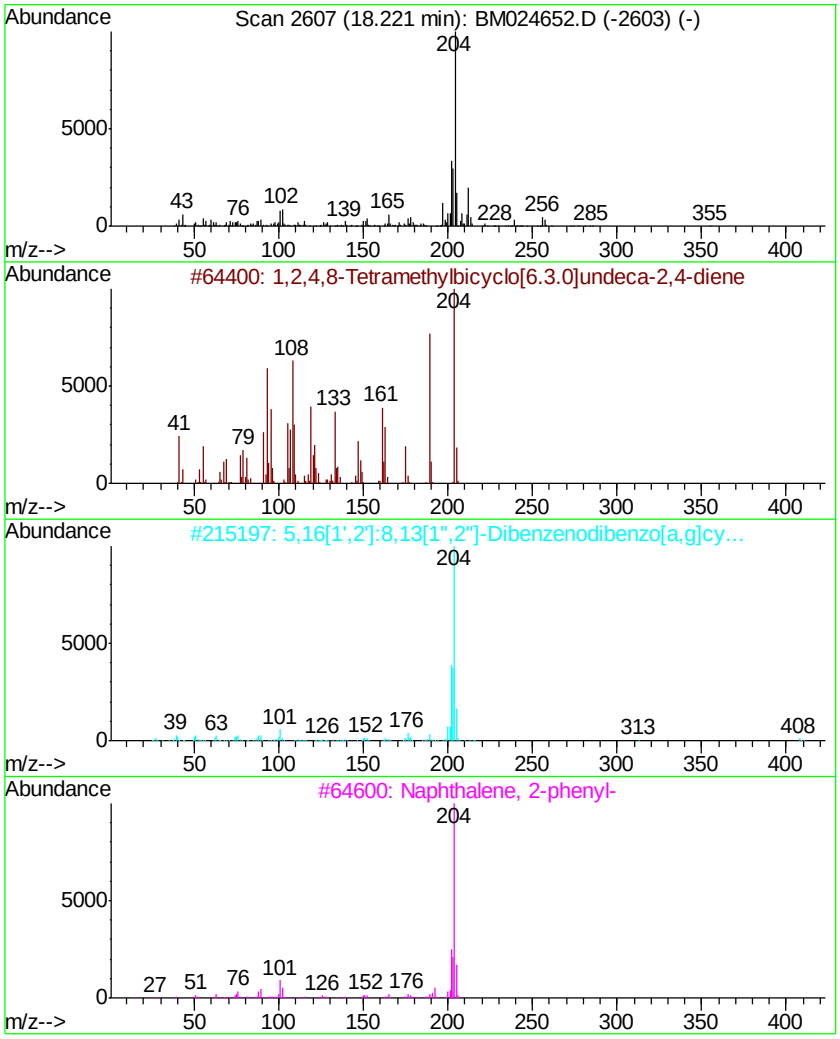
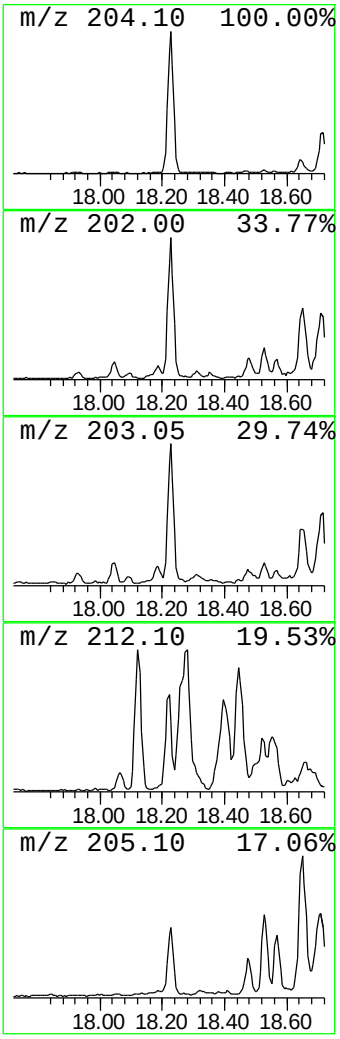
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	4.75 ng	911515	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	62
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

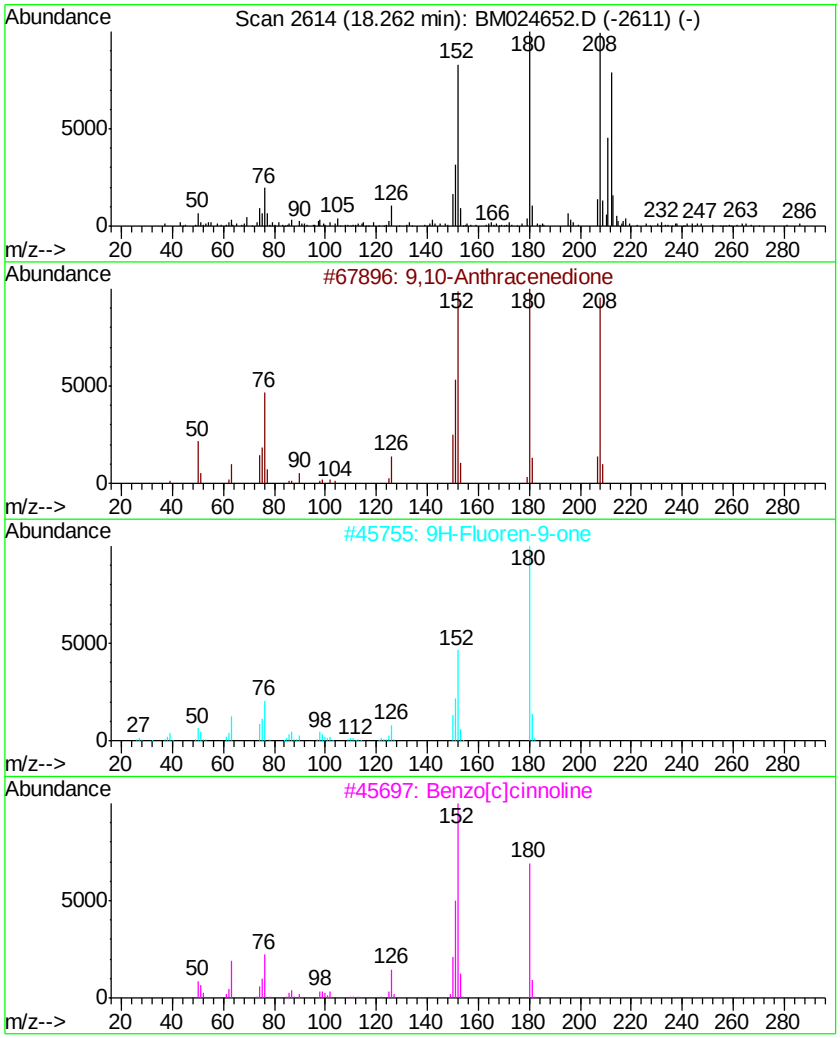
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

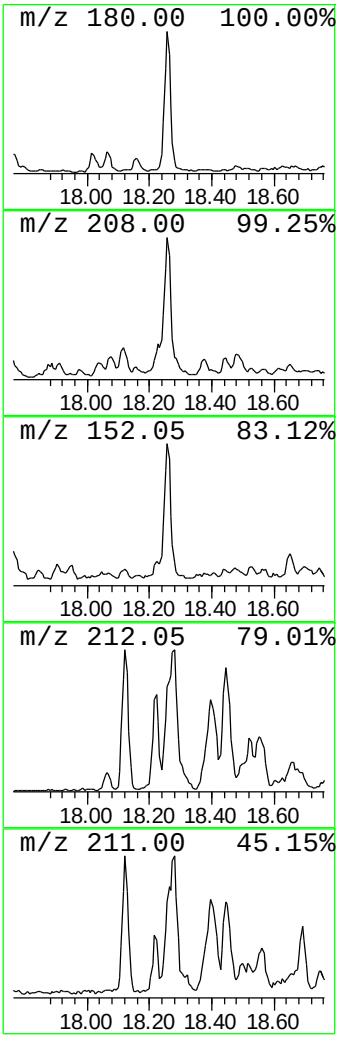
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.26 ng	626388	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	43
4	1-Aza-2-sila-5-boracyclopent-3-e...	209	C11H24BNSi	122293-26-9	38
5	Pteridine, 4,6,7-trihydroxy-	180	C6H4N4O3	058947-88-9	30





Library Search Compound Report

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Acq On : 29 Jan 2020 16:17
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Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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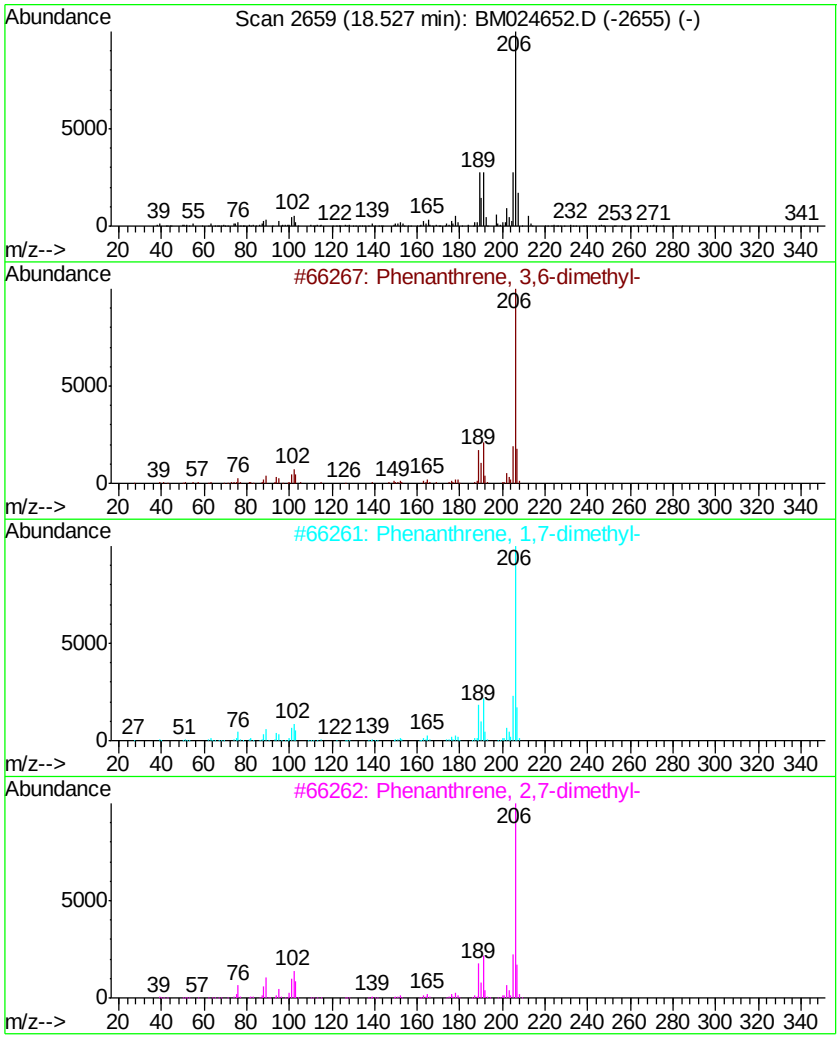
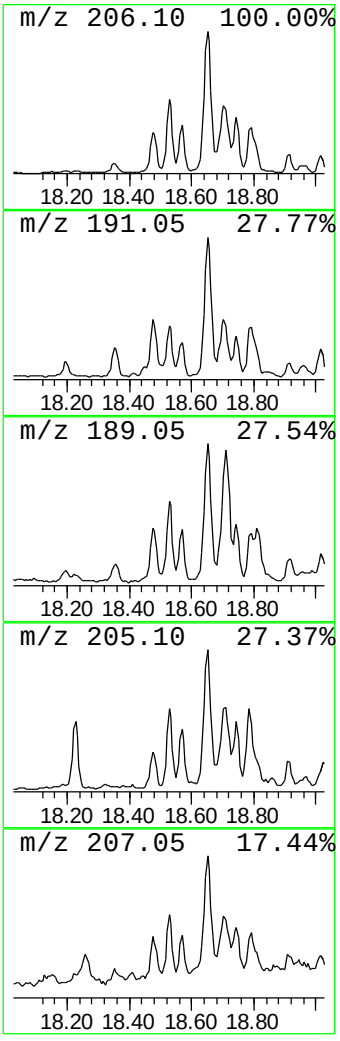
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	3.42 ng	656420	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72





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Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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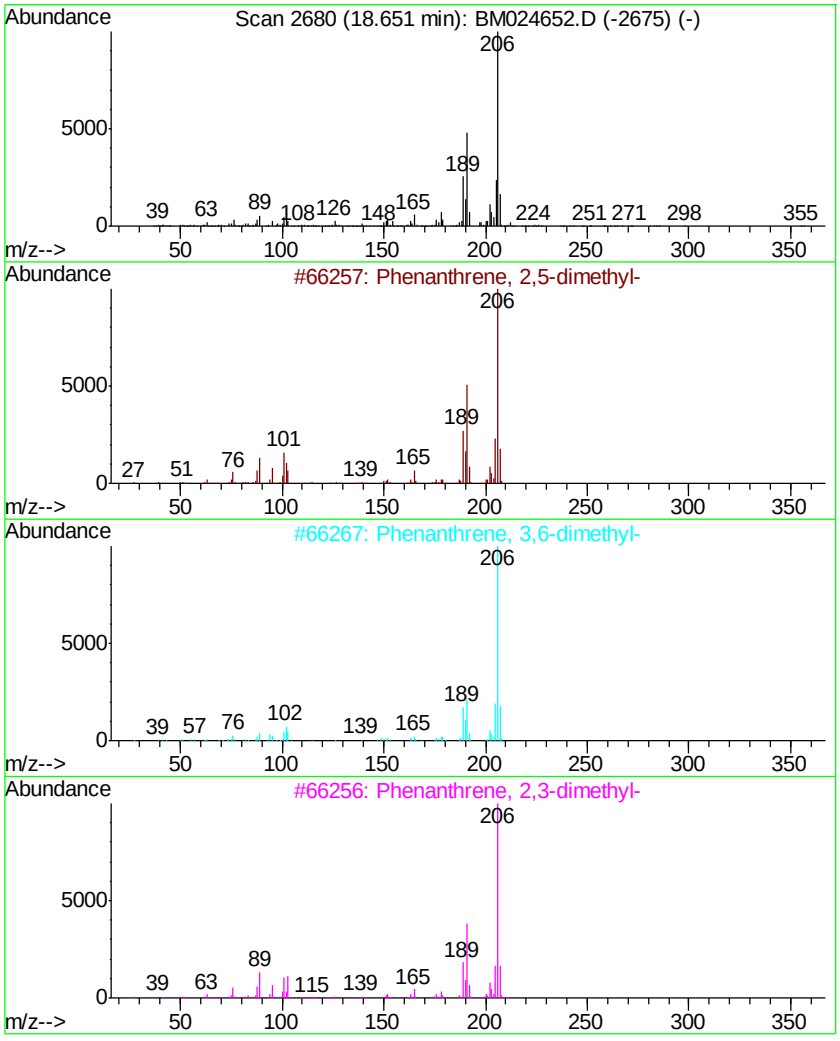
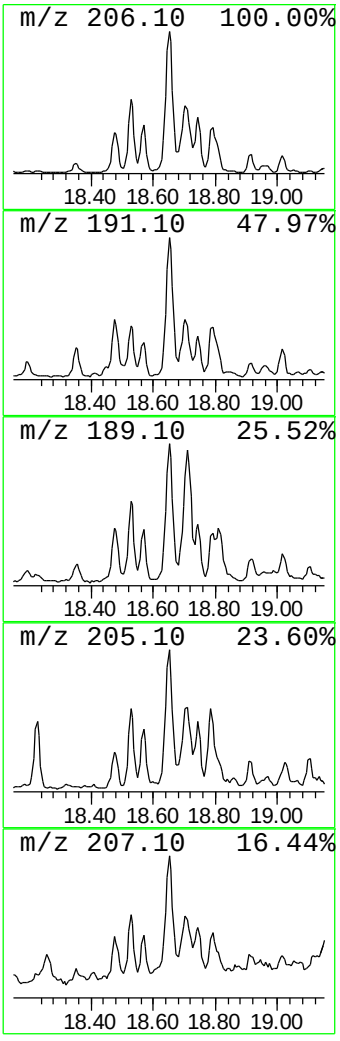
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	7.99 ng	1532420	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74





Library Search Compound Report

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Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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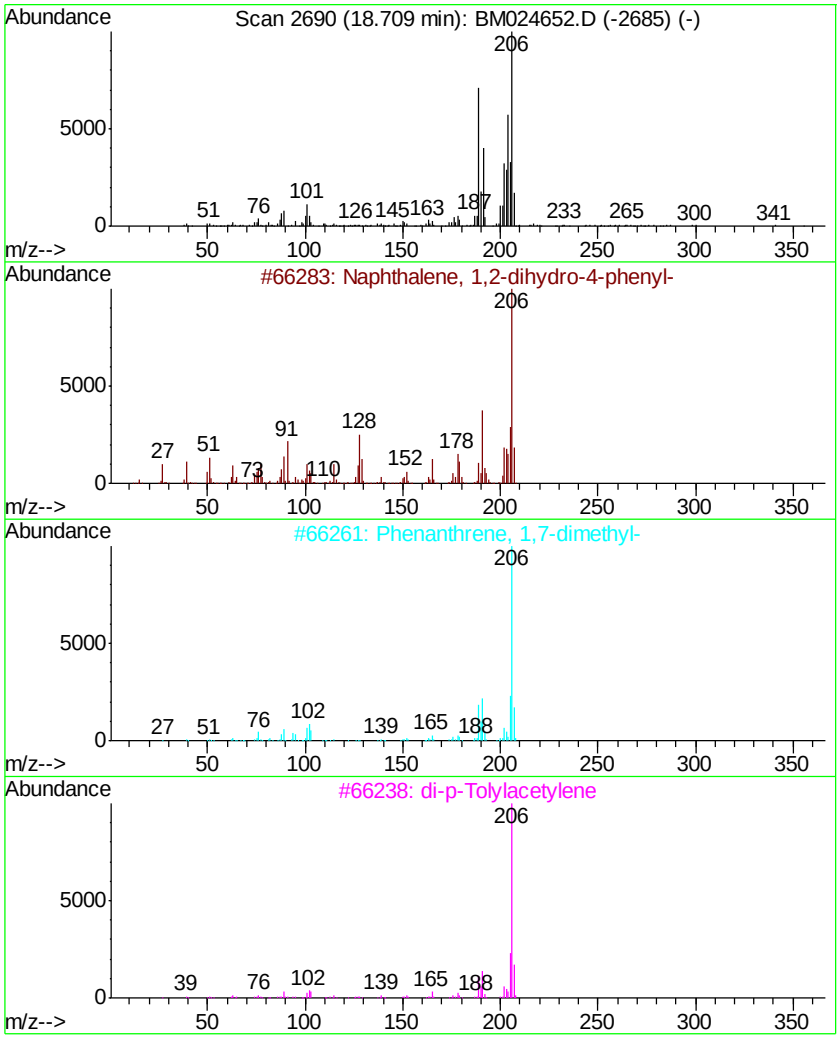
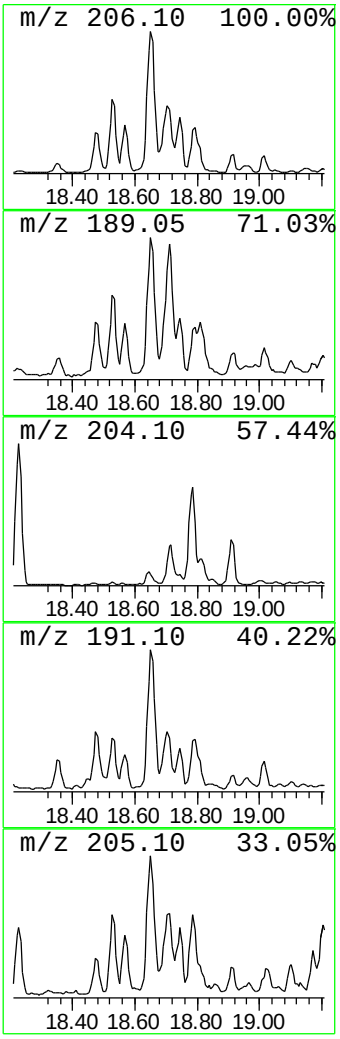
Peak Number 12 unknown18.71 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	5.05 ng	969001	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	43
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	38





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Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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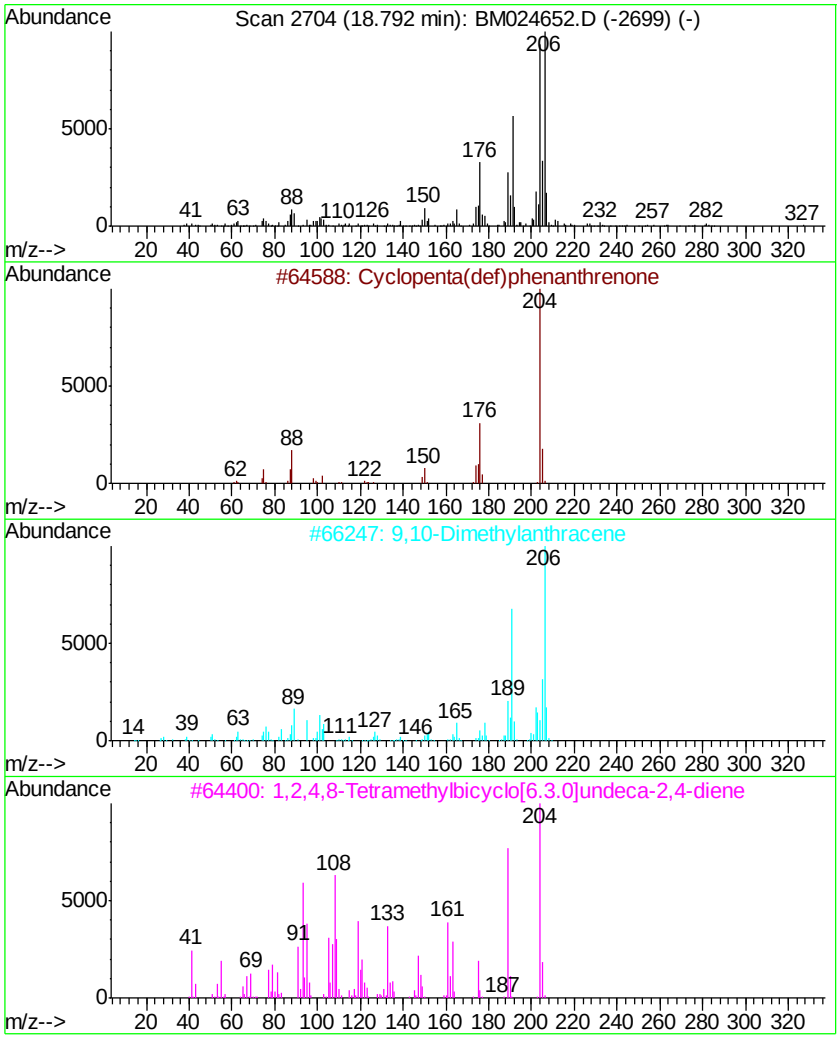
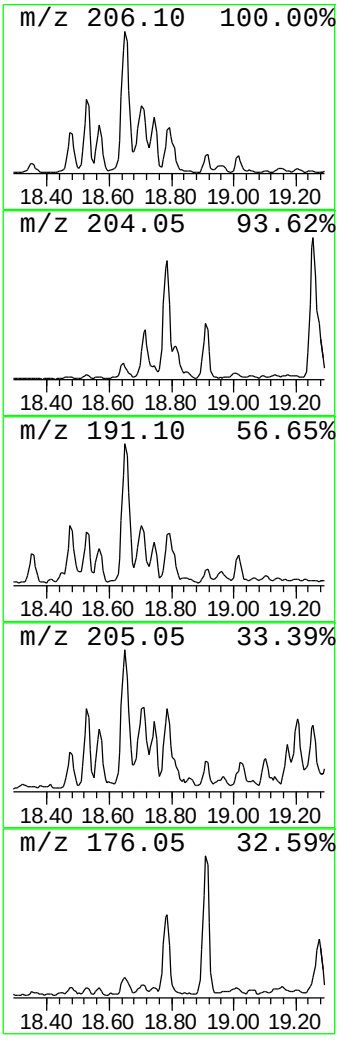
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.09 ng	976742	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	42





Library Search Compound Report

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Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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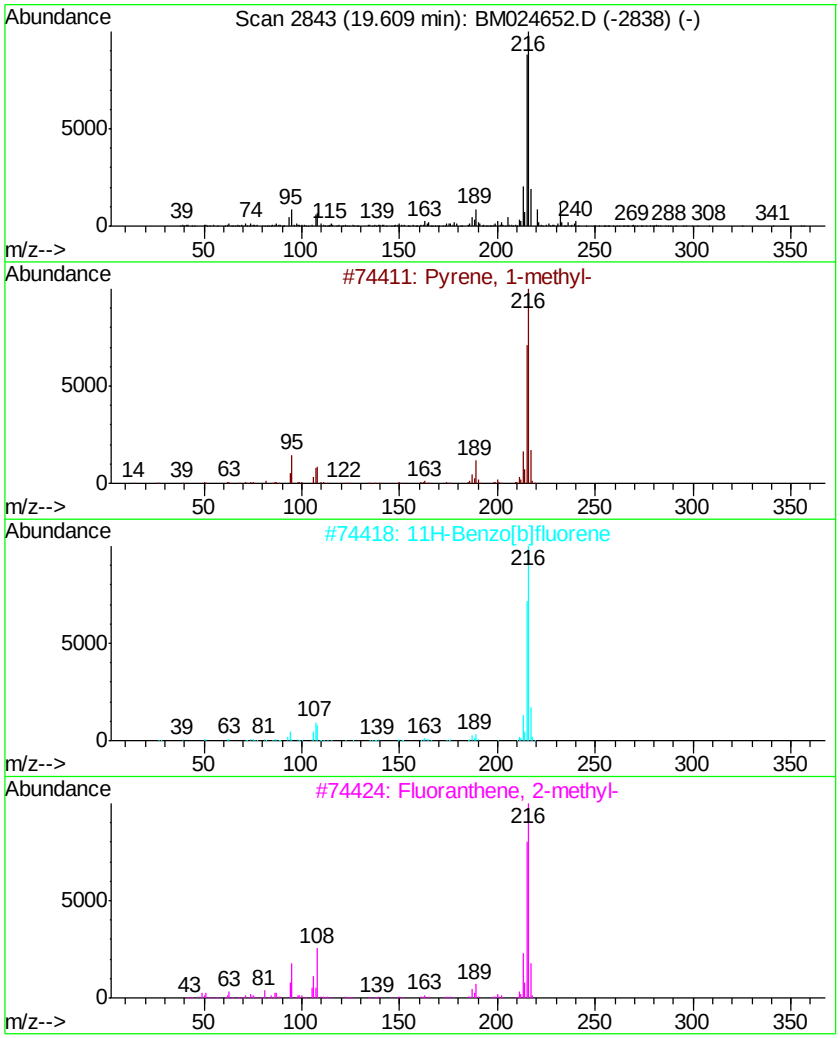
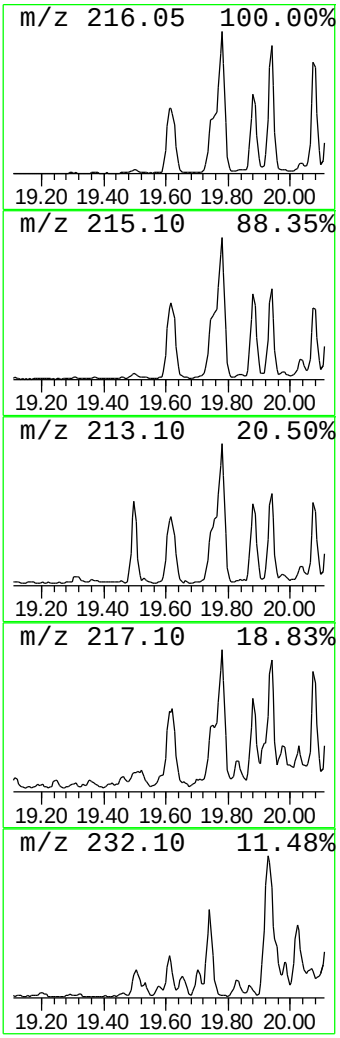
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	3.09 ng	1377100	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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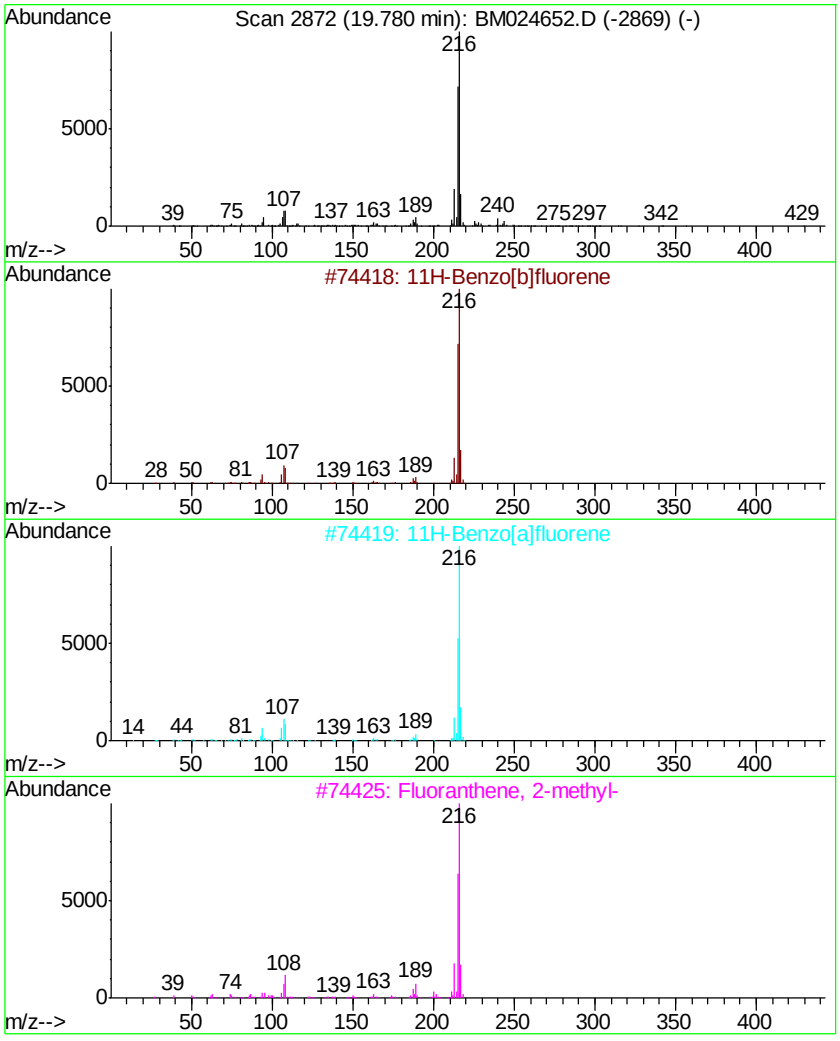
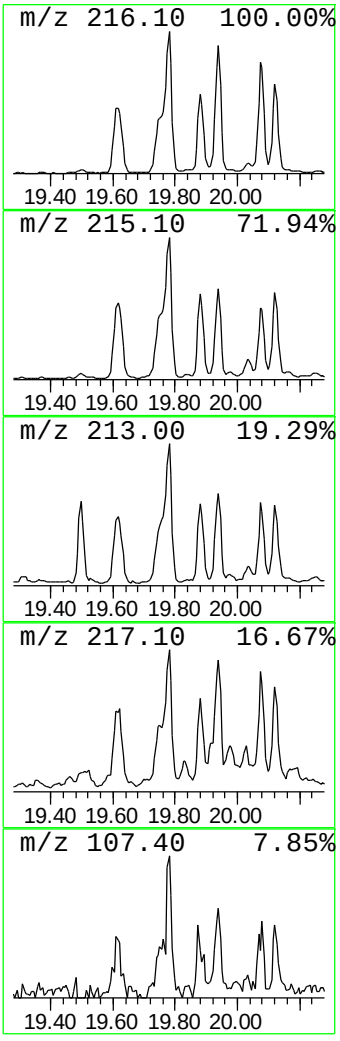
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	3.53 ng	1573080	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72





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ClientSampleId : BORING-B1-SAMPLE-S1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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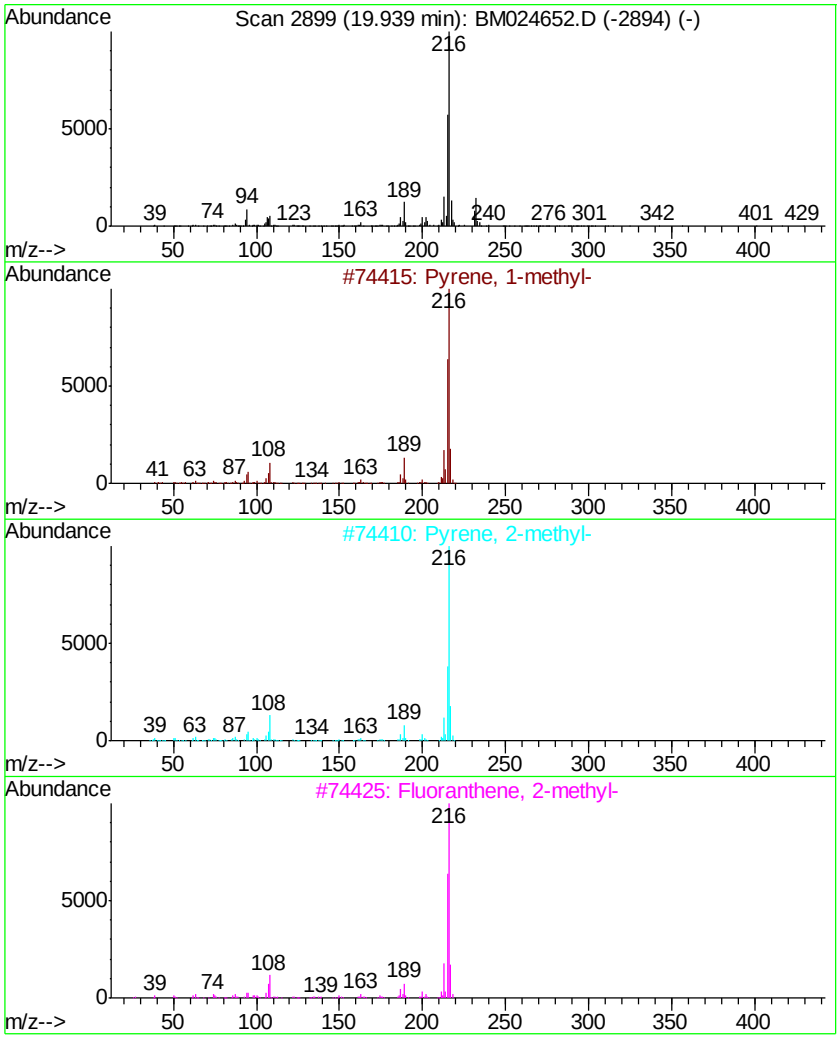
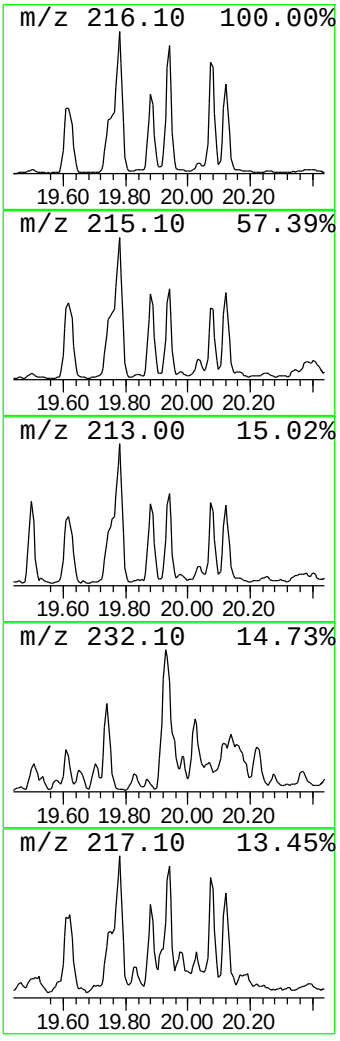
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.06 ng	1360470	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

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

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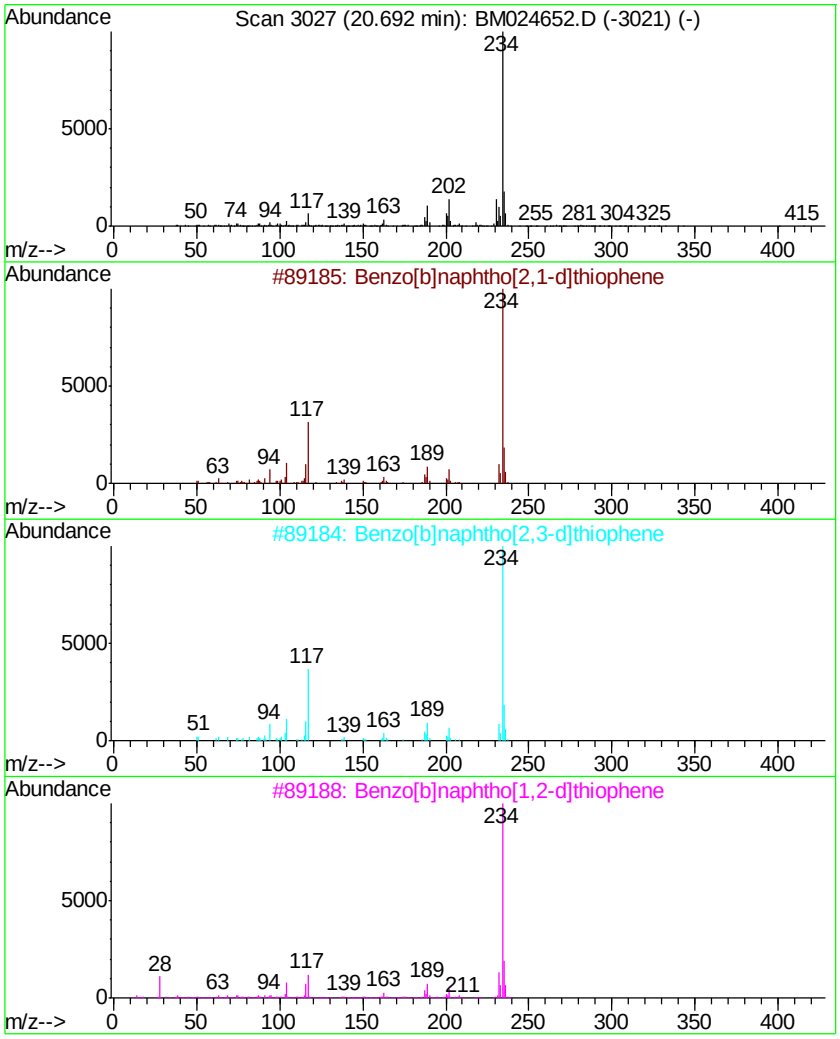
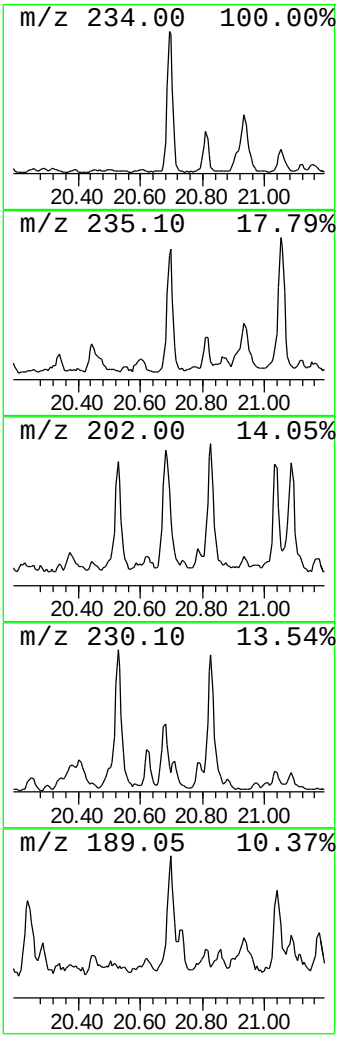
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	3.24 ng	1439770	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	72
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

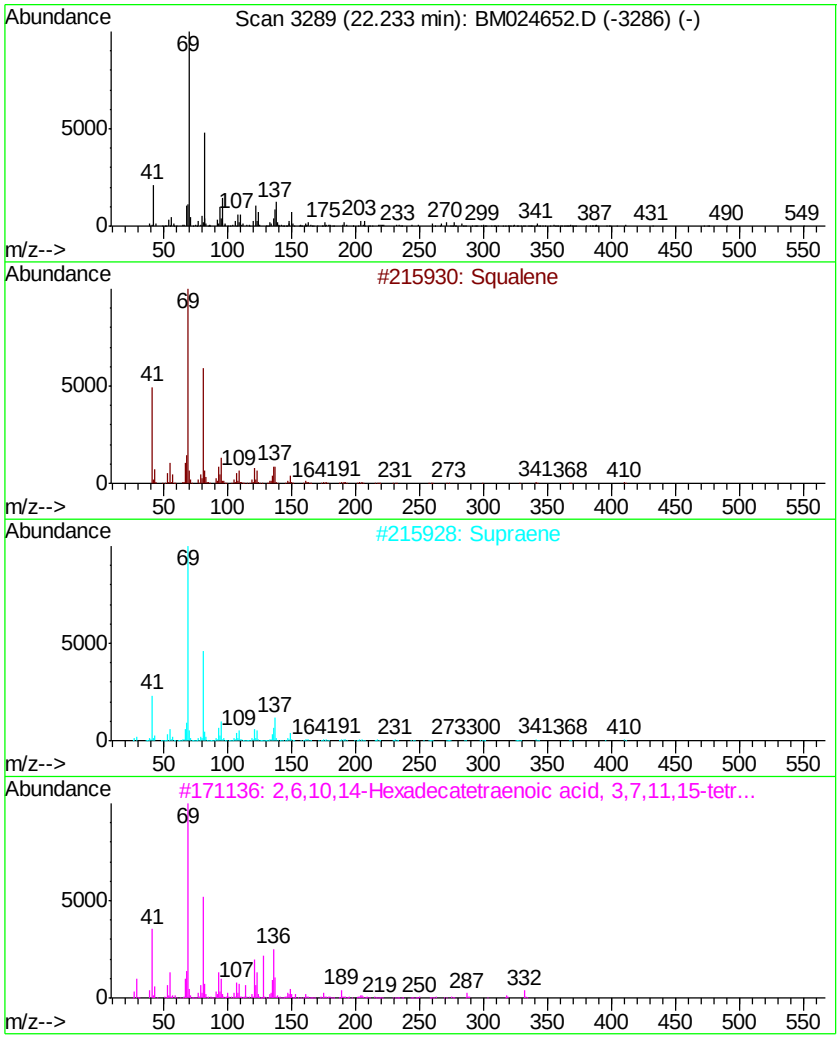
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

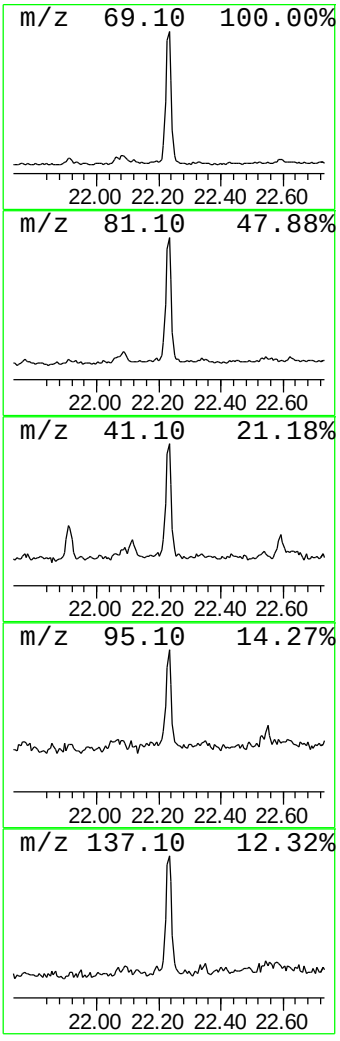
****

Peak Number 18 Squalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	5.04 ng	859609	Perylene-d12	23.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	98
2	Supraene	410	C30H50	007683-64-9	98
3	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
5	1,6-Octadien-3-ol, 3,7-dimethyl-...	182	C11H18O2	000115-99-1	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B1-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown14.50	14.50	2.8	ng	492306	3	14.09	3585070	20.0
Anthracene, 1-met...	17.72	7.5	ng	1449450	4	16.84	3837200	20.0
Phenanthrene, 2-m...	17.77	12.4	ng	2379230	4	16.84	3837200	20.0
Phenanthrene, 1-m...	17.84	3.5	ng	665950	4	16.84	3837200	20.0
4H-Cyclopenta[def...	17.91	13.3	ng	2550130	4	16.84	3837200	20.0
1H-Indene, 2-phenyl-	17.94	4.6	ng	883616	4	16.84	3837200	20.0
1,2,4,8-Tetrameth...	18.22	4.8	ng	911515	4	16.84	3837200	20.0
9,10-Anthracenedione	18.26	3.3	ng	626388	4	16.84	3837200	20.0
Phenanthrene, 3,6...	18.53	3.4	ng	656420	4	16.84	3837200	20.0
Phenanthrene, 2,5...	18.65	8.0	ng	1532420	4	16.84	3837200	20.0
unknown18.71	18.71	5.0	ng	969001	4	16.84	3837200	20.0
Cyclopenta(def)ph...	18.79	5.1	ng	976742	4	16.84	3837200	20.0
Pyrene, 1-methyl-	19.61	3.1	ng	1377100	5	21.05	8900870	20.0
11H-Benzo[b]fluorene	19.78	3.5	ng	1573080	5	21.05	8900870	20.0
Pyrene, 2-methyl-	19.94	3.1	ng	1360470	5	21.05	8900870	20.0
Benzo[b]naphtho[2...	20.69	3.2	ng	1439770	5	21.05	8900870	20.0
Squalene	22.23	5.0	ng	859609	6	23.17	3407800	20.0