LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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	5.069	364	371	382	rBV	2460066	3451187	33.00%	2.971%
2	6.622	626	635	644	rBV	2290898	3557869	34.02%	3.063%
3	7.422	765	771	782	rVB	812151	1302411	12.45%	1.121%
4	7.681	810	815	818	rBV	73464	114227	1.09%	0.098%
5	7.739	818	825	832	rVB	2089499	3247164	31.05%	2.796%
6	8.563	957	965	973	rBV	1444222	2369474	22.66%	2.040%
7	10.180	1233	1240	1246	rBV	994059	1633558	15.62%	1.406%
8	10.228	1246	1248	1258	rVB	70059	106970	1.02%	0.092%
9	11.857	1520	1525	1535	rVB	58277	111744	1.07%	0.096%
10	12.686	1659	1666	1681	rVB	3822904	5546229	53.04%	4.775%
11	13.545	1808	1812	1819	rVB	116814	159990	1.53%	0.138%
12	14.074	1892	1902	1908	rBV	1603019	2364602	22.61%	2.036%
13	14.139	1908	1913	1918	rVV	524028	745626	7.13%	0.642%
14	14.474	1965	1970	1979	rVB	216955	354835	3.39%	0.305%
15	14.880	2034	2039	2046	rBV3	79920	139763	1.34%	0.120%
16	15.127	2076	2081	2087	rBV	447366	646751	6.18%	0.557%
17	15.433	2130	2133	2139	rVB	72723	104919	1.00%	0.090%
18	15.574	2150	2157	2166	rBV	3894008	5586311	53.42%	4.810%
19	16.480	2307	2311	2319	rBV	151070	233172	2.23%	0.201%
20	16.645	2335	2339	2344	rBV	206987	284143	2.72%	0.245%
21	16.827	2364	2370	2373	rBV	1967100	2777304	26.56%	2.391%
22	16.868	2373	2377	2384	rVV	4571239	6242606	59.70%	5.375%
23	16.956	2388	2392	2398	rVB	1238538	1677142	16.04%	1.444%
24	17.233	2435	2439	2445	rVB	537698	700820	6.70%	0.603%
25	17.703	2515	2519	2523	rBV	368362	498967	4.77%	0.430%
26	17.751	2523	2527	2535	rBV2	546637	1079966	10.33%	0.930%
27	17.833	2538	2541	2545	rVB2	239951	325859	3.12%	0.281%
28	17.898	2547	2552	2556	rBV2	781538	1294478	12.38%	1.114%
29	18.215	2602	2606	2608	rBV	291351	394683	3.77%	0.340%
30	18.898	2717	2722	2728	rBV	7970461	10457274	100.00%	9.003%
31	19.262	2776	2784	2789	rBV	6240668	9763222	93.36%	8.406%
32	19.486	2818	2822	2831	rVB	7602378	9370606	89.61%	8.068%
33	19.768	2867	2870	2874	rVB	925985	1175480	11.24%	1.012%
34	19.868	2884	2887	2891	rBV	720890	844674	8.08%	0.727%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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	20.203	2940	2944	2949	rVB	1329712	1597222	15.27%	1.375%
36	20.727	3030	3033	3035	rVB	482750	483053	4.62%	0.416%
37	21.027	3080	3084	3090	rBV3	4760020	9428209	90.16%	8.117%
38	21.080	3090	3093	3101	rVB	3482739	4432567	42.39%	3.816%
39	21.192	3109	3112	3116	rBV	663491	741285	7.09%	0.638%
40	22.538	3335	3341	3345	rBV	3282518	6934734	66.31%	5.971%
41	22.974	3412	3415	3424	rVB	1787182	3062909	29.29%	2.637%
42	23.062	3426	3430	3440	rVB	2472303	4076692	38.98%	3.510%
43	23.156	3441	3446	3450	rBV	1868530	3087244	29.52%	2.658%
44	25.215	3791	3796	3807	rVB2	1462527	3641509	34.82%	3.135%

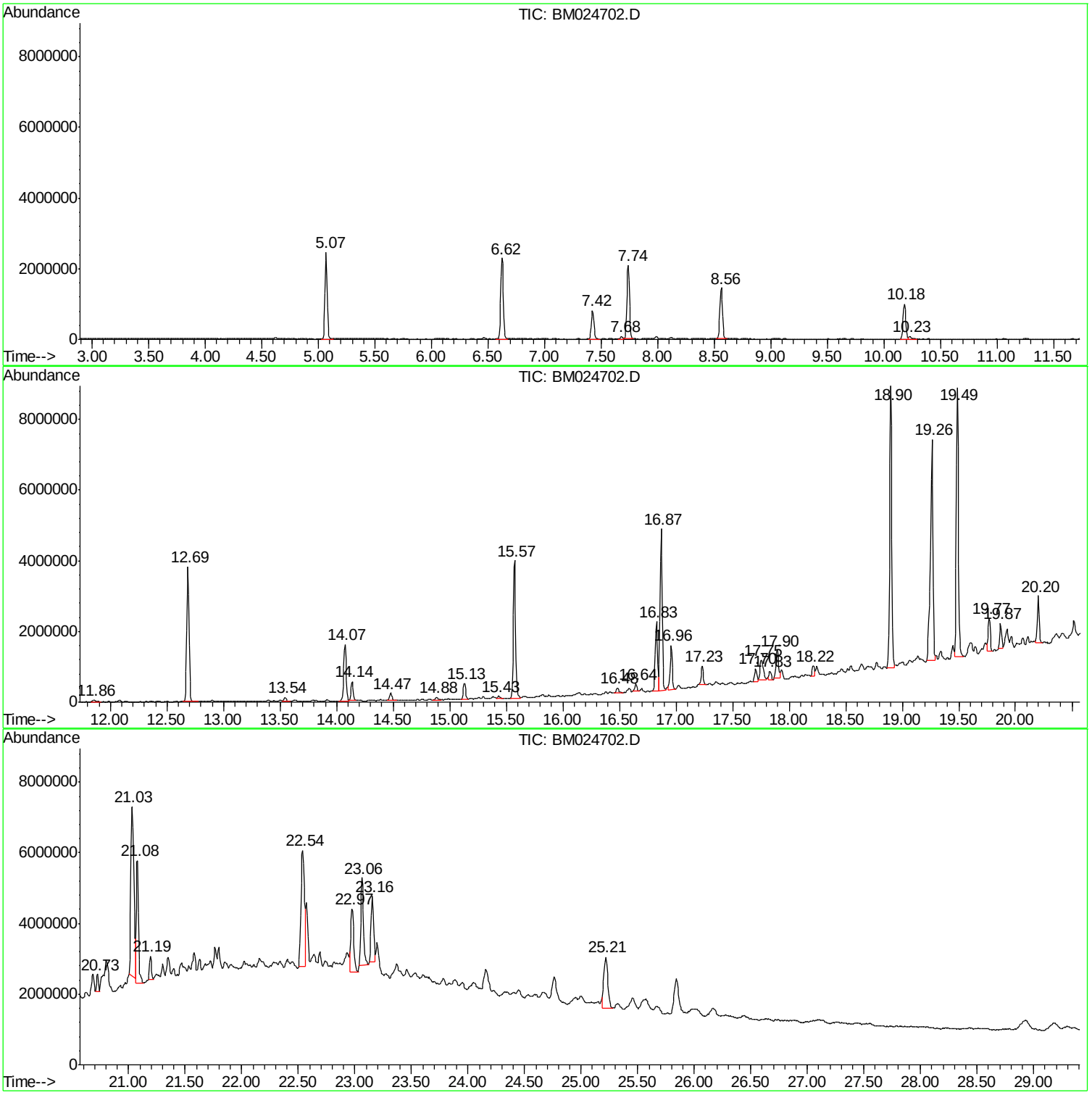
Sum of corrected areas: 116149450

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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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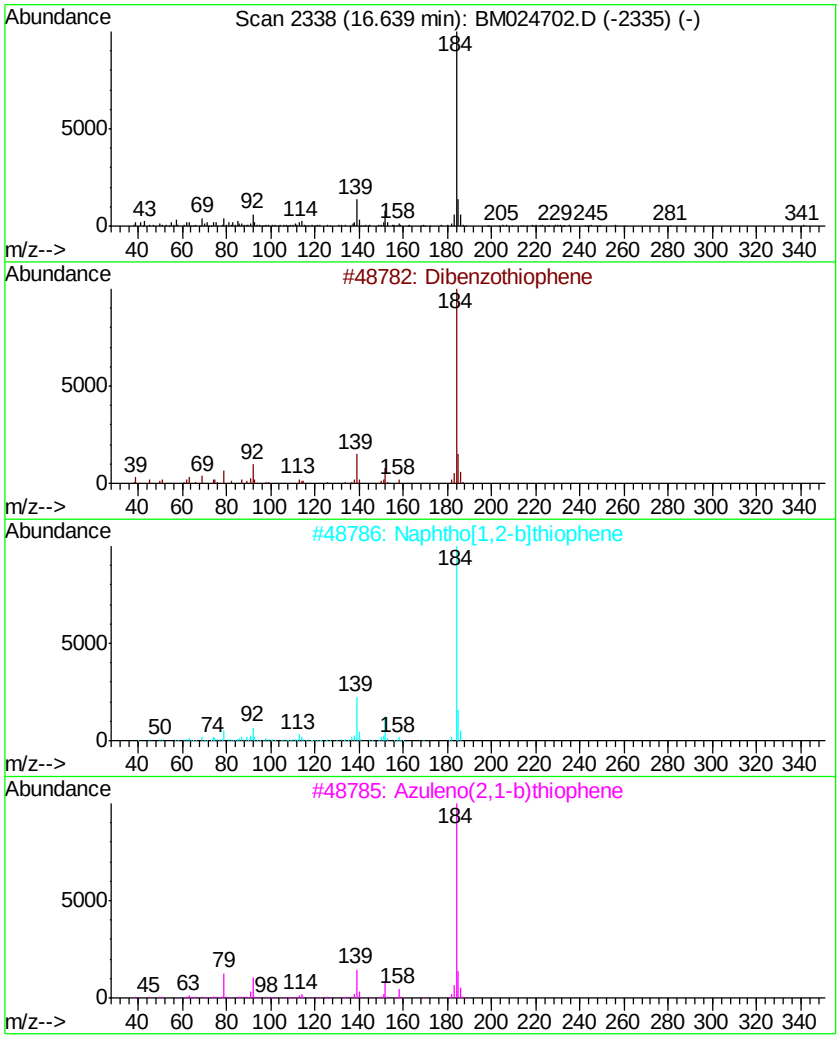
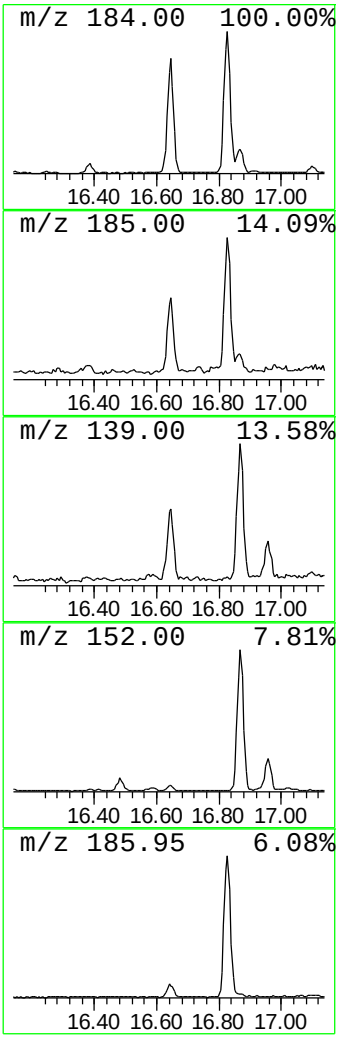
Peak Number 2 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	2.05 ng	284143	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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

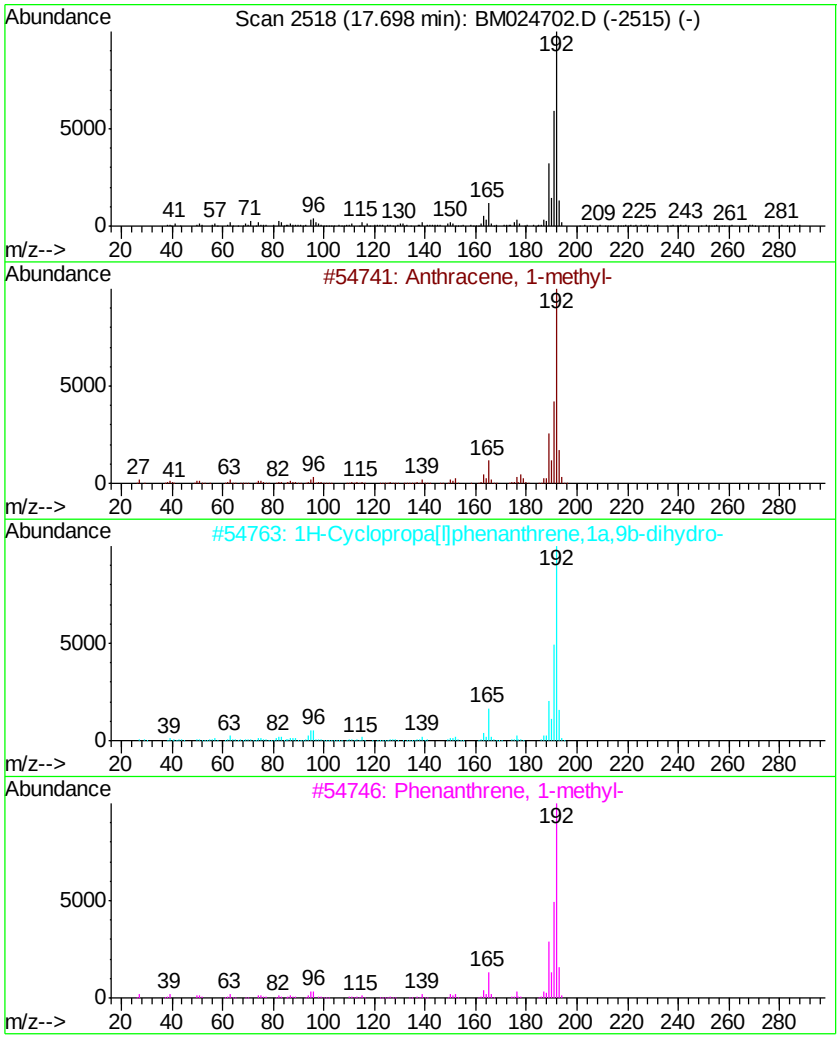
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

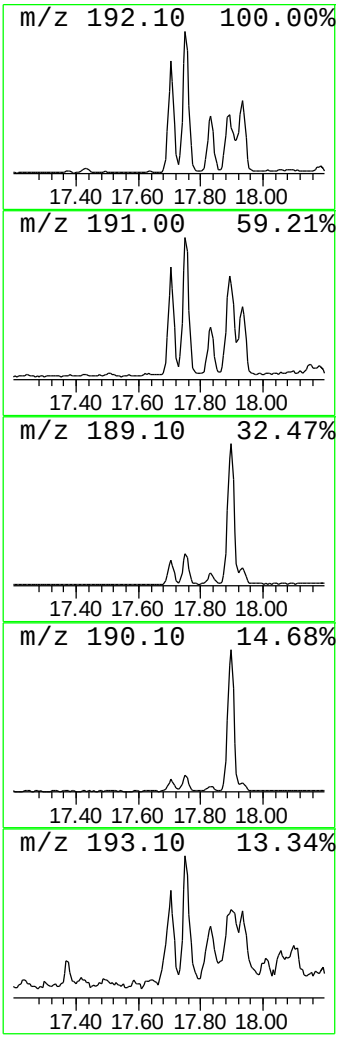
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	3.59 ng	498967	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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

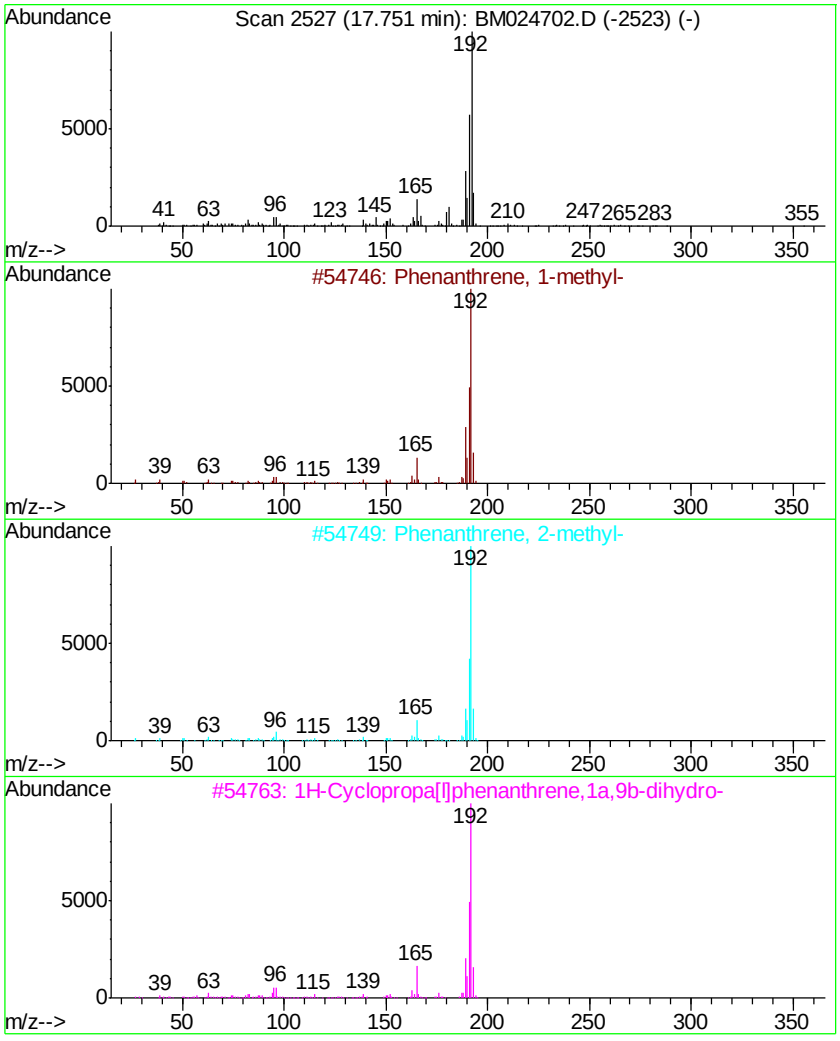
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

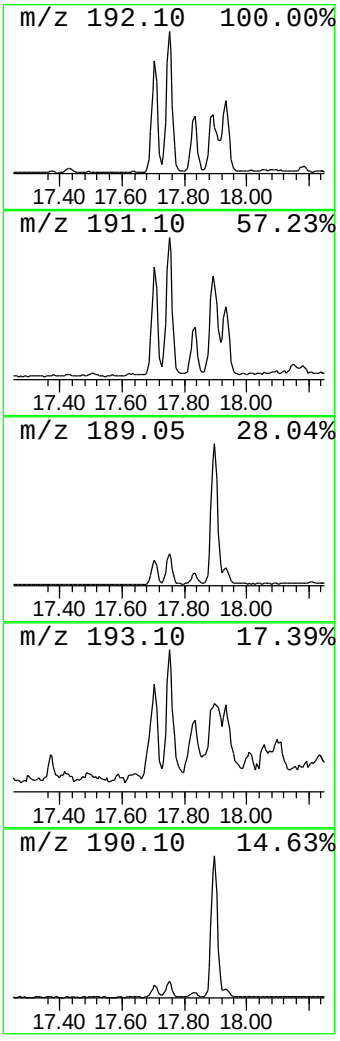
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	7.78 ng	1079970	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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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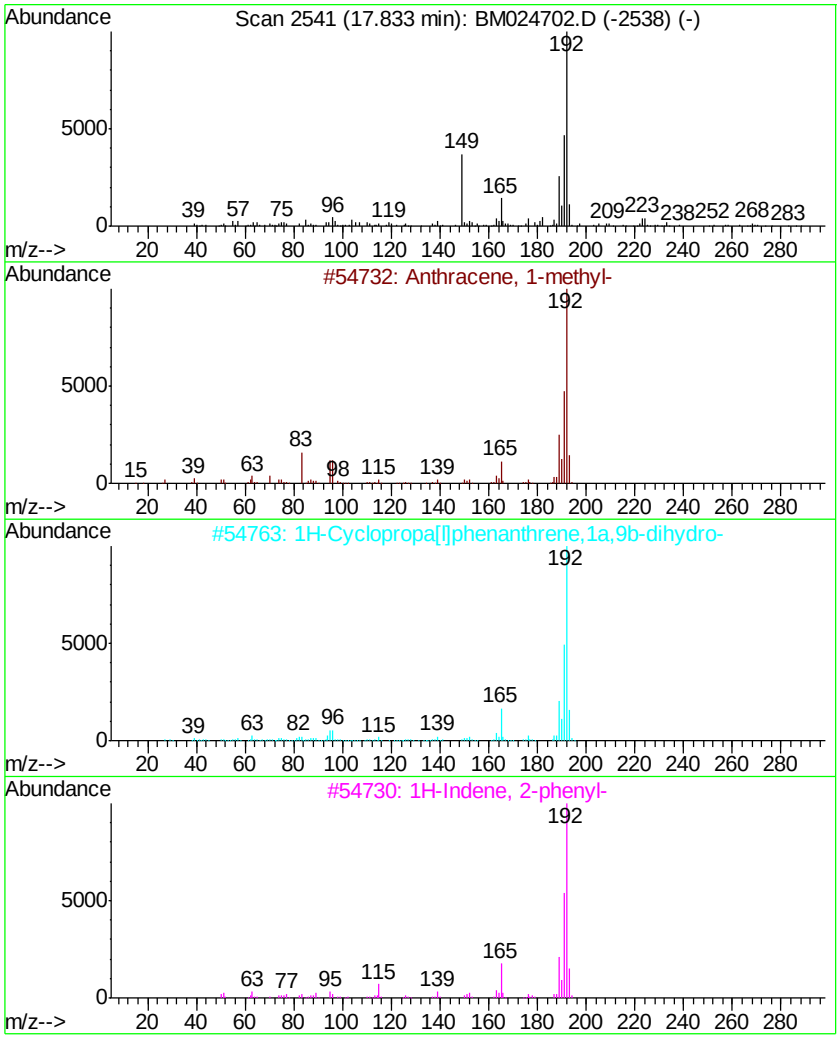
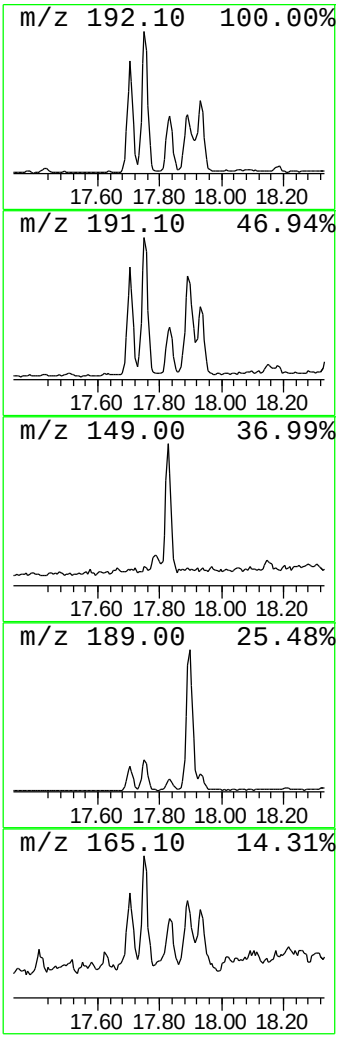
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.35 ng	325859	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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

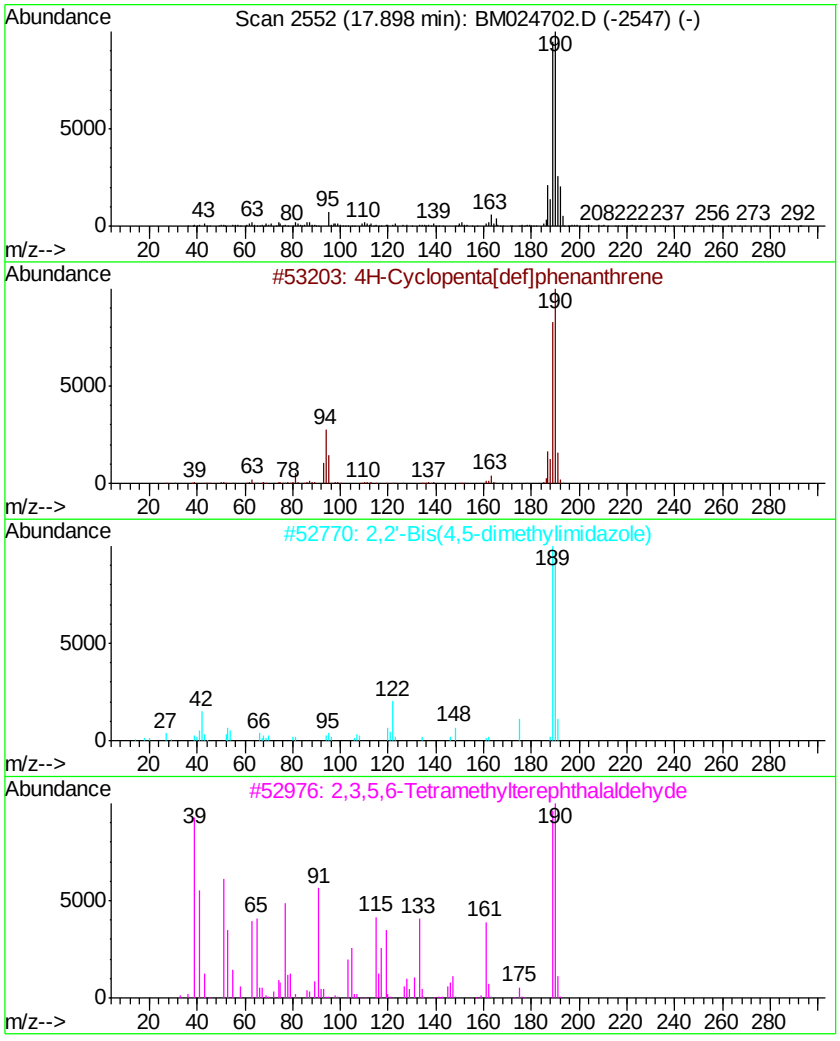
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

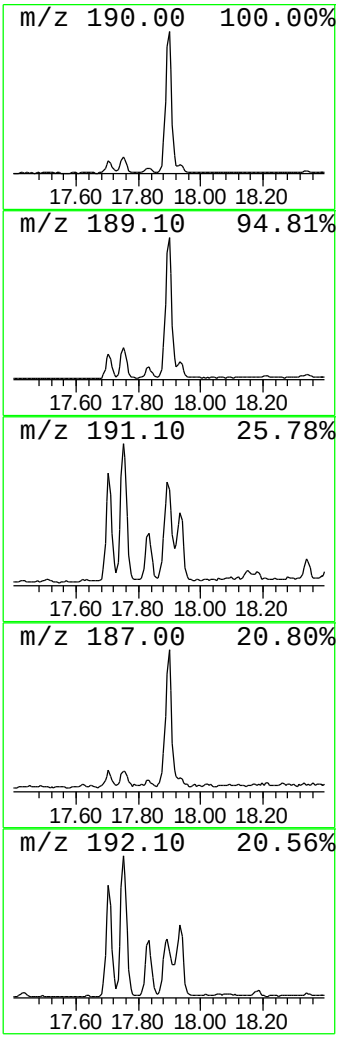
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	9.32 ng	1294480	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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

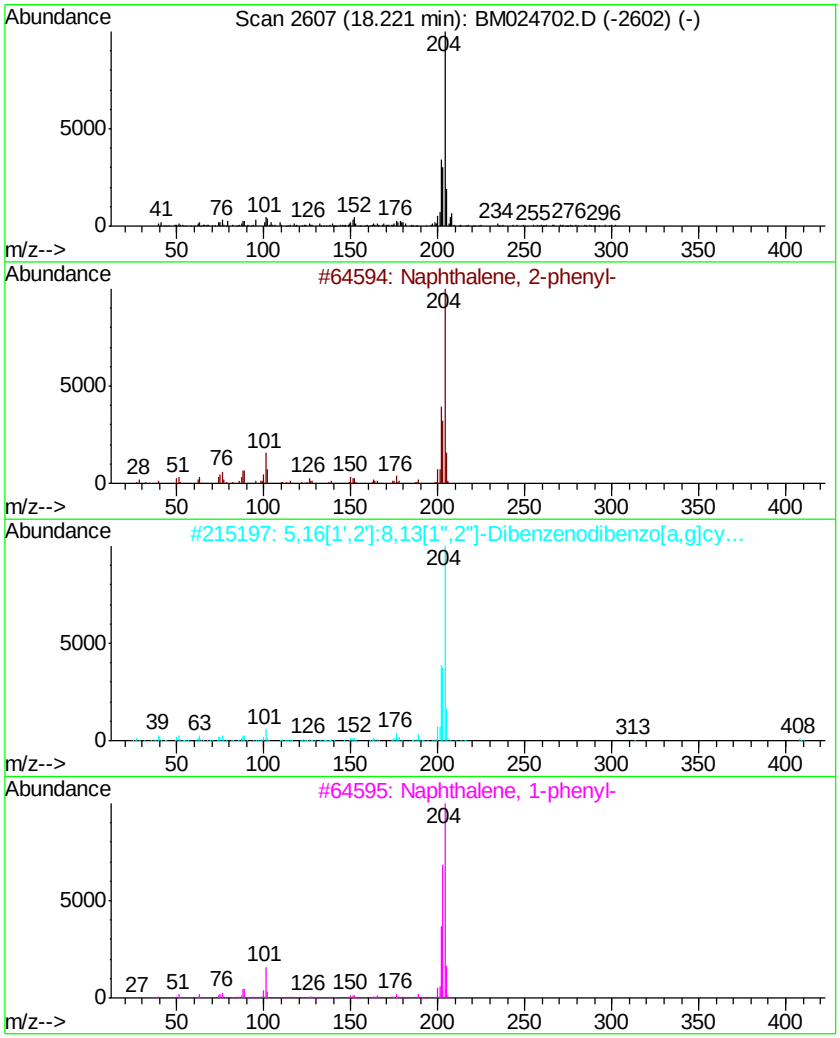
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

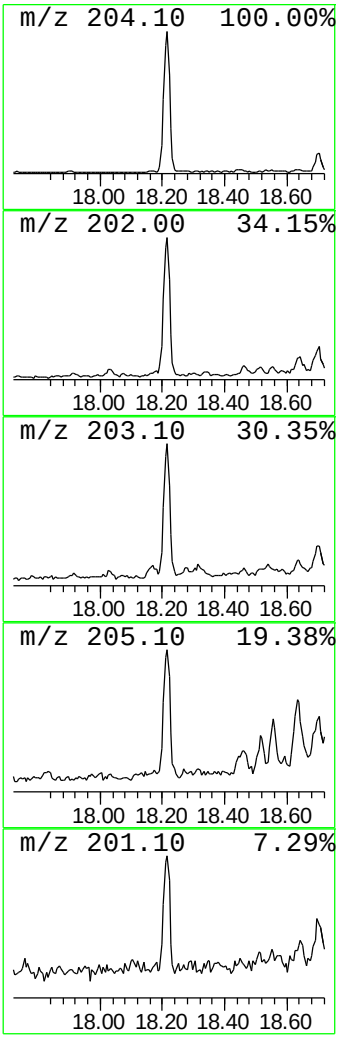
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.84 ng	394683	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Library Search Compound Report

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Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
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Instrument : BNA_M
ClientSampleId : TAL-1

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

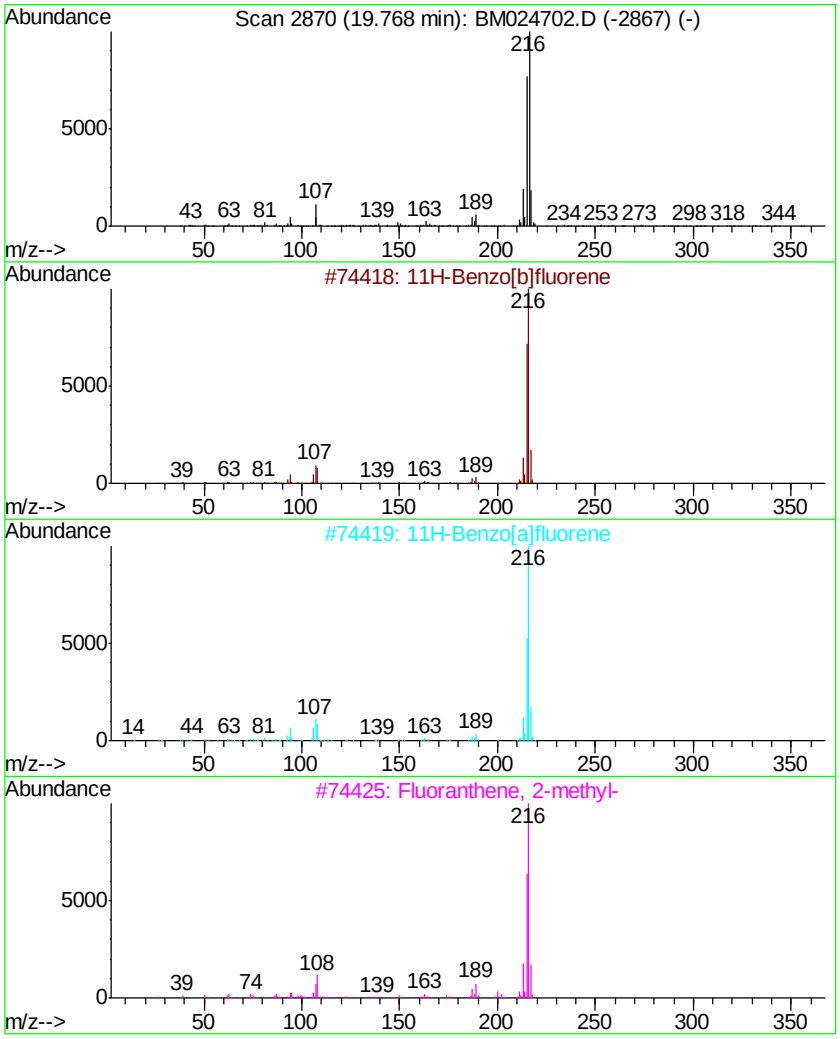
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

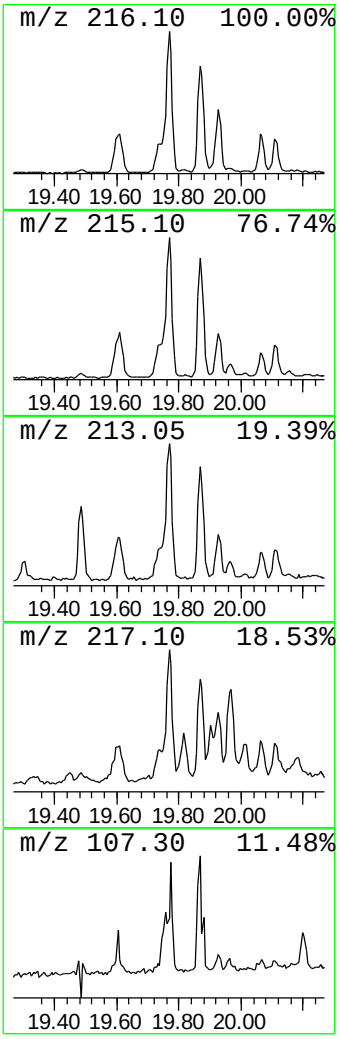
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.49 ng	1175480	Chrysene-d12	21.04

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	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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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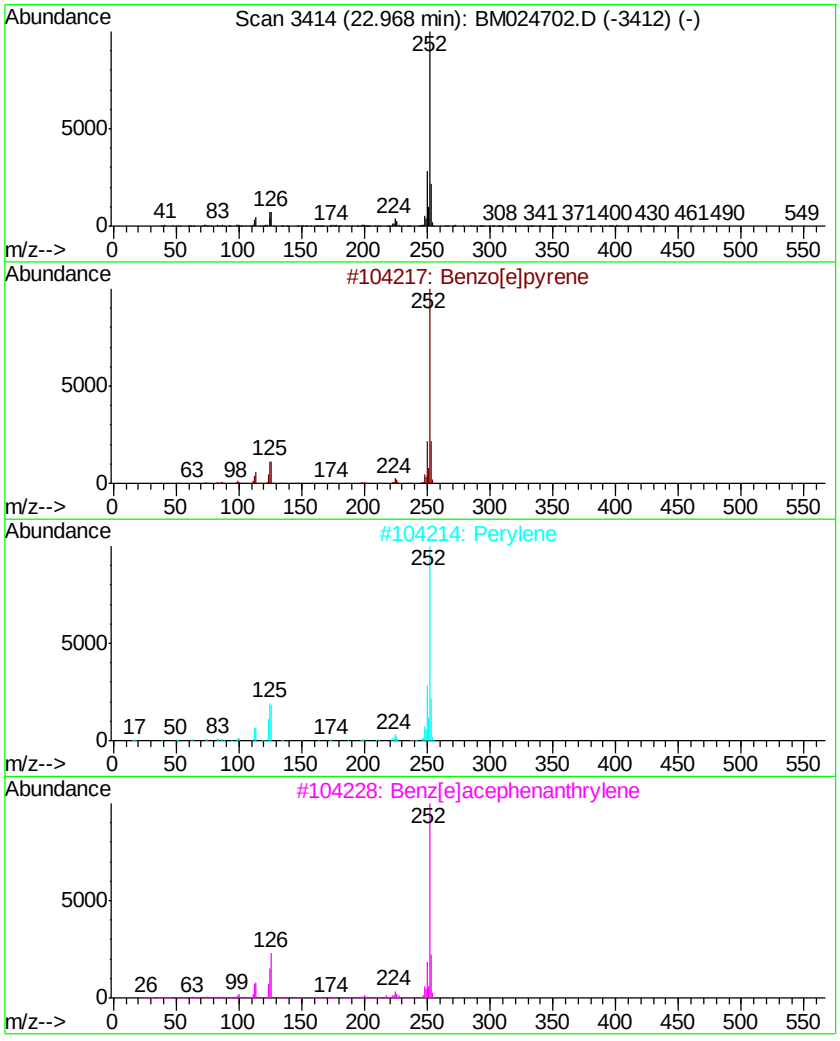
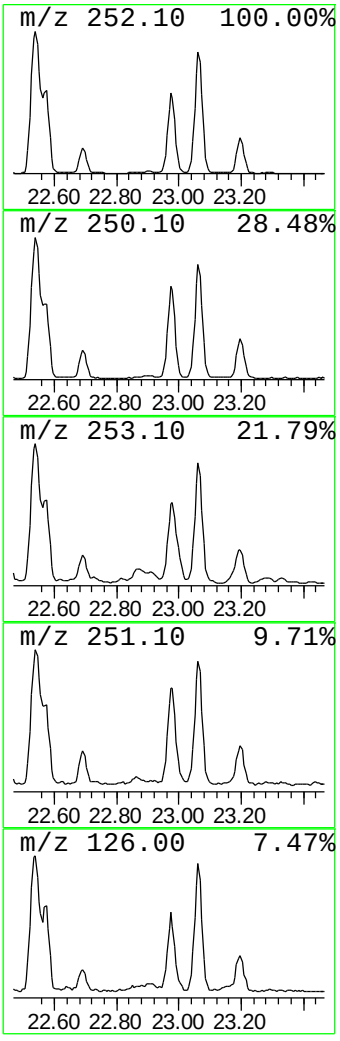
Peak Number 9 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	19.84 ng	3062910	Perylene-d12	23.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM020320\
Data File : BM024702.D
Acq On : 03 Feb 2020 16:59
Operator : CG/JU
Sample : L1351-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TAL-1

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
Dibenzothiophene	16.64	2.0	ng	284143	4	16.83	2777300	20.0
Anthracene, 1-met...	17.70	3.6	ng	498967	4	16.83	2777300	20.0
Phenanthrene, 1-m...	17.75	7.8	ng	1079970	4	16.83	2777300	20.0
1H-Cyclopropa[l]p...	17.83	2.4	ng	325859	4	16.83	2777300	20.0
4H-Cyclopenta[def...	17.90	9.3	ng	1294480	4	16.83	2777300	20.0
Naphthalene, 2-ph...	18.22	2.8	ng	394683	4	16.83	2777300	20.0
11H-Benzo[b]fluorene	19.77	2.5	ng	1175480	5	21.04	9428210	20.0
Benzo[e]pyrene	22.97	19.8	ng	3062910	6	23.16	3087240	20.0