Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022424.D
Acq On : 30 Aug 2019 01:02
Operator : HP/JU
Sample : K4439-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-4A-(1-3)

Quant Time: Aug 30 08:47:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	18501	20.00	ng		0.00
21) Naphthalene-d8	10.30	136	67758	20.00	ng		0.00
39) Acenaphthene-d10	14.19	164	43753	20.00	ng		0.00
64) Phenanthrene-d10	16.95	188	95655	20.00	ng		0.00
76) Chrysene-d12	21.17	240	132622	20.00	ng		0.00
87) Perylene-d12	23.36	264	158736	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.15	112	113721	107.90	ng		0.00
7) Phenol-d6	6.72	99	150142	106.52	ng		0.00
23) Nitrobenzene-d5	8.69	82	105696	68.32	ng		0.00
42) 2,4,6-Tribromophenol	15.70	330	78374	87.54	ng		0.00
45) 2-Fluorobiphenyl	12.79	172	206109	53.37	ng		0.00
79) Terphenyl-d14	19.60	244	406671	40.47	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.75	94	4805	3.393	ng	#	61
50) Dimethylphthalate	13.66	163	27612	7.256	ng		99
71) Phenanthrene	16.99	178	19934	3.575	ng		98
75) Fluoranthene	19.03	202	52430	7.061	ng		97
78) Pyrene	19.39	202	55395	6.129	ng		98
81) Benzo(a)anthracene	21.15	228	36780	3.864	ng		94
83) Chrysene	21.20	228	34027	3.756	ng		94
86) Indeno(1,2,3-cd)pyrene	25.53	276	22532	2.472	ng	#	82
88) Benzo(b)fluoranthene	22.70	252	44450	4.031	ng	#	93
90) Benzo(a)pyrene	23.26	252	32310	3.301	ng	#	91
92) Benzo(g,h,i)perylene	26.20	276	27843	3.273	ng	#	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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S-4A-(1-3)

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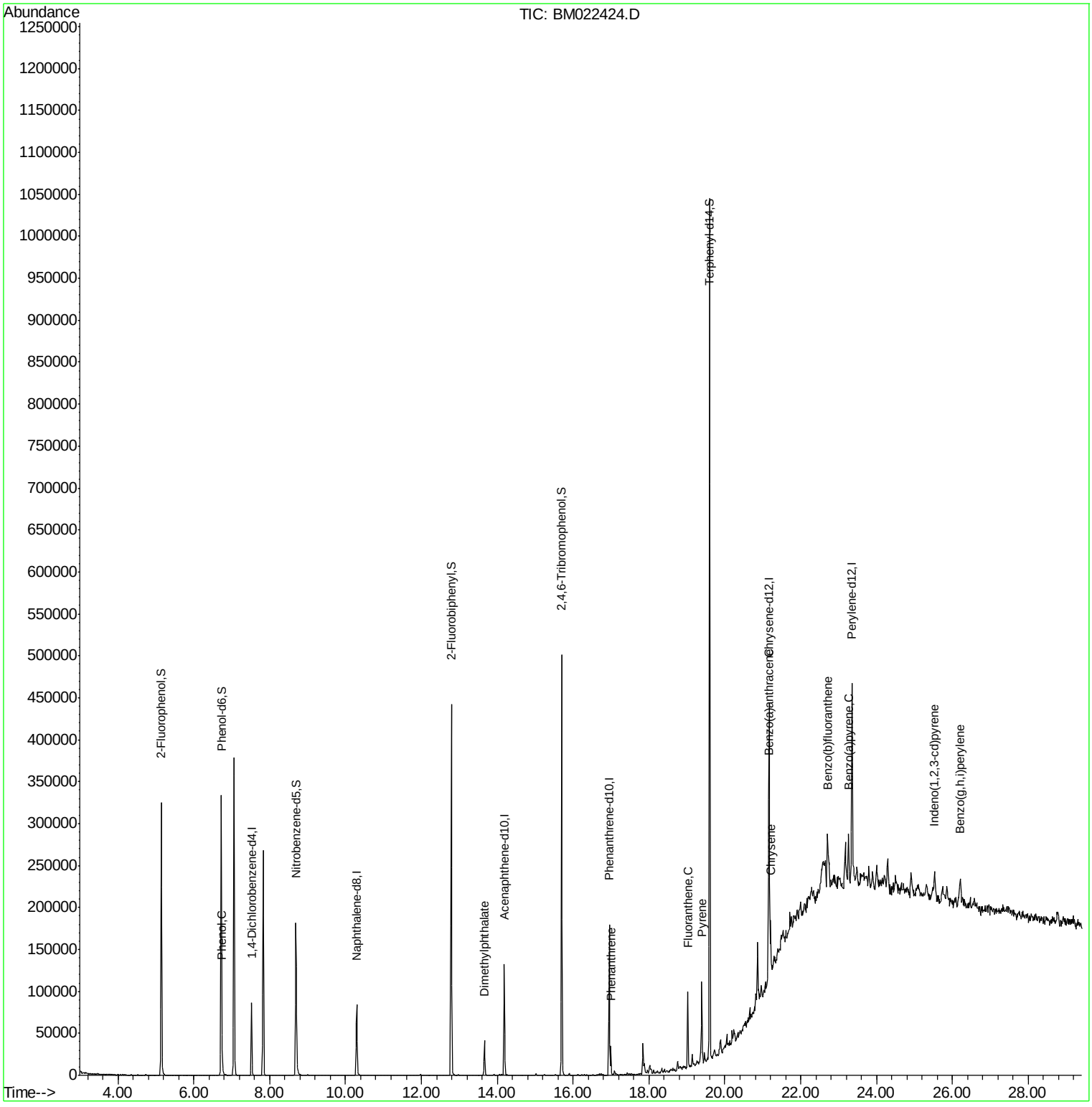
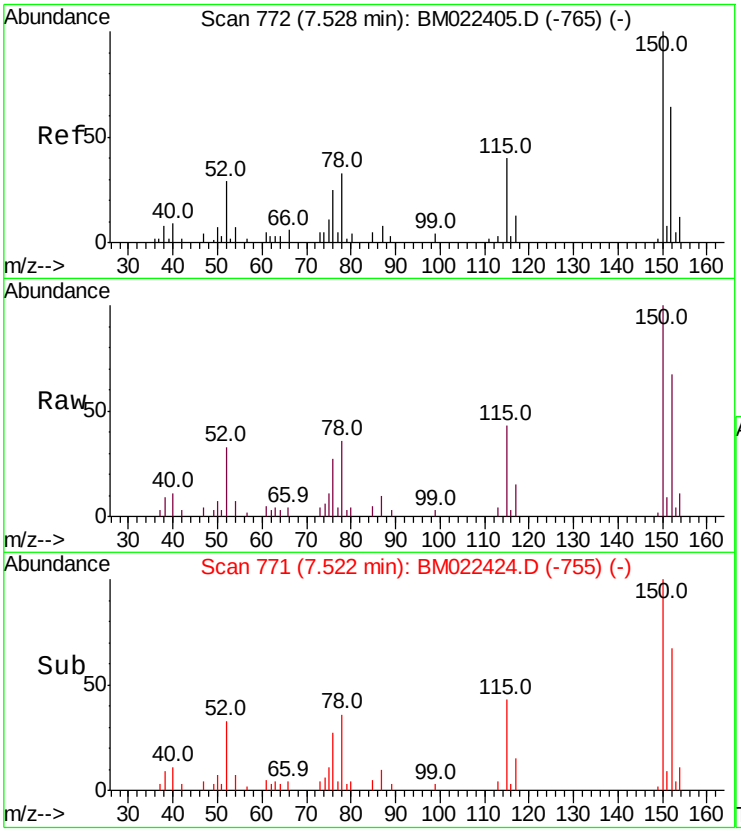


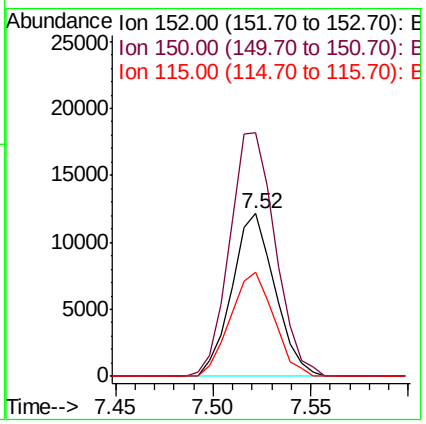


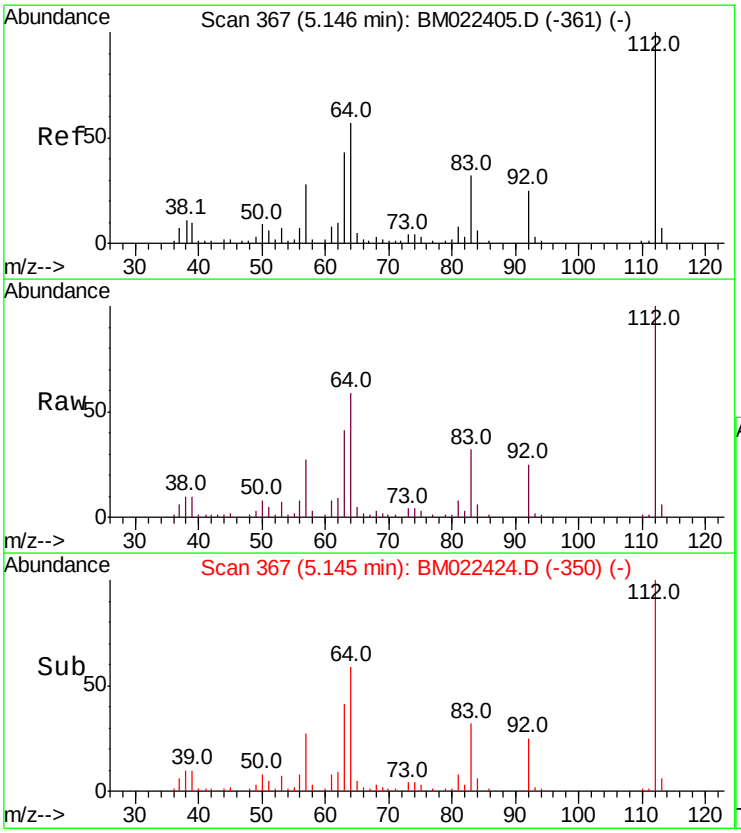
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:152 Resp: 18501

Ion	Ratio	Lower	Upper
152	100		
150	149.8	125.4	188.0
115	64.2	50.3	75.5

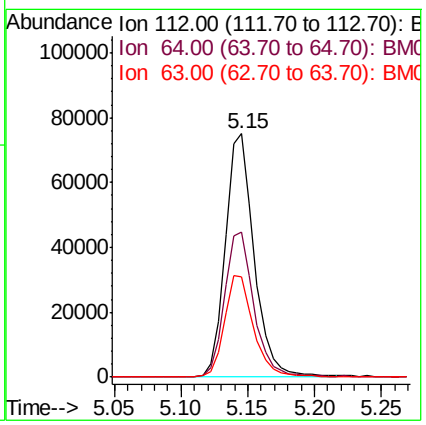


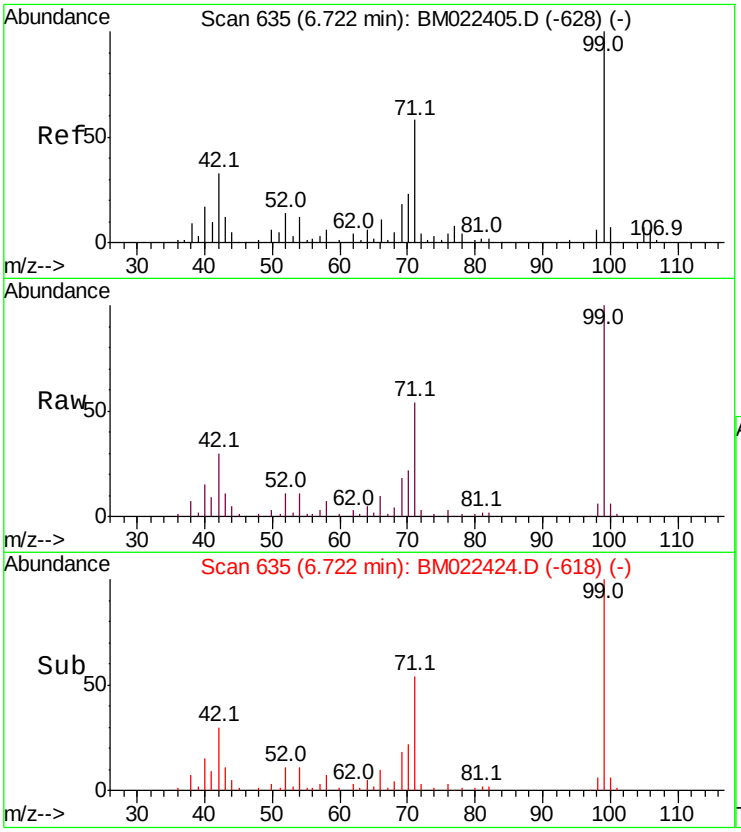


#5
2-Fluorophenol
Concen: 107.896 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:112 Resp: 113721

Ion	Ratio	Lower	Upper
112	100		
64	59.4	45.4	68.2
63	41.3	34.5	51.7



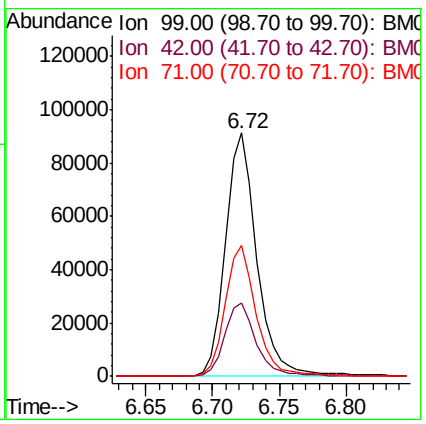


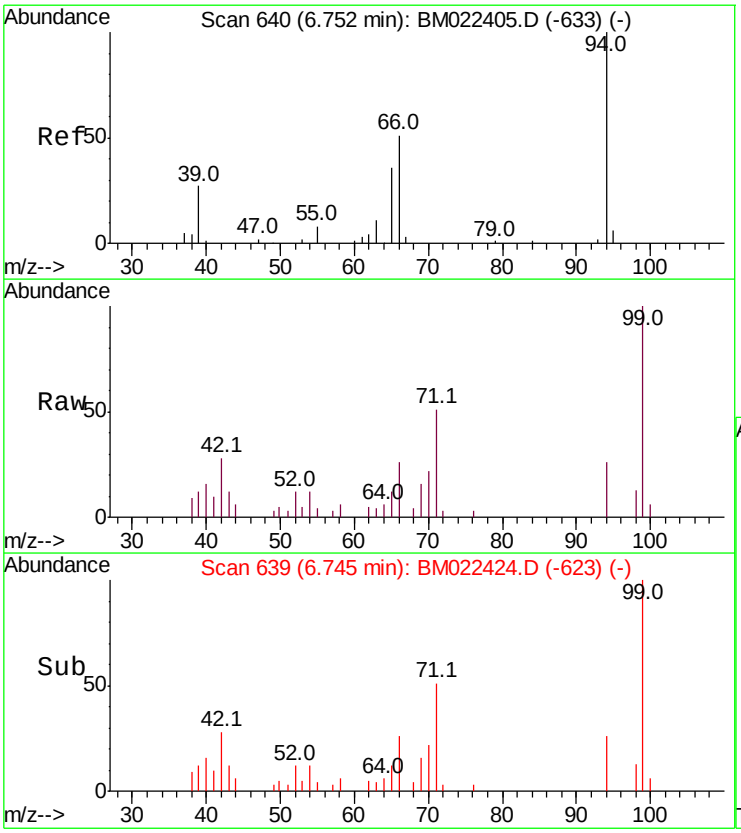
#7
Phenol-d6
Concen: 106.524 ng
RT: 6.72 min Scan# 635
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion: 99 Resp: 150142

Ion	Ratio	Lower	Upper
99	100		
42	30.2	26.3	39.5
71	53.8	46.6	69.8

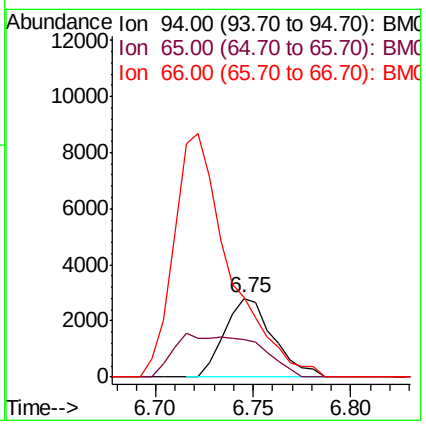


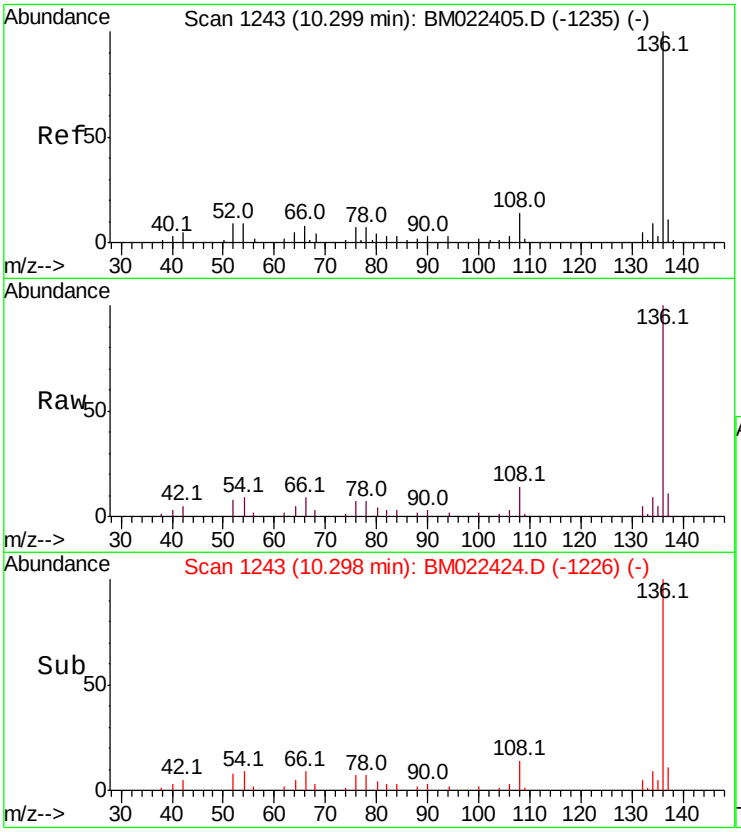


#10
Phenol
Concen: 3.393 ng
RT: 6.75 min Scan# 639
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion: 94 Resp: 4805

Ion	Ratio	Lower	Upper
94	100		
65	47.1	17.7	57.7
66	100.7	39.6	79.6#



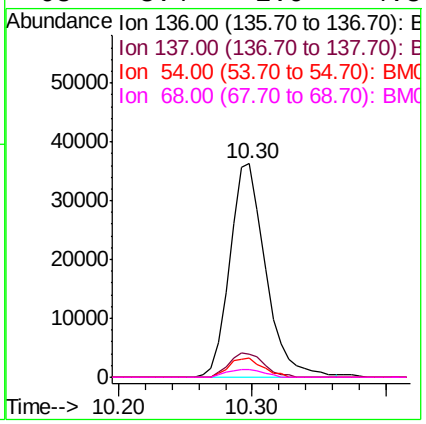


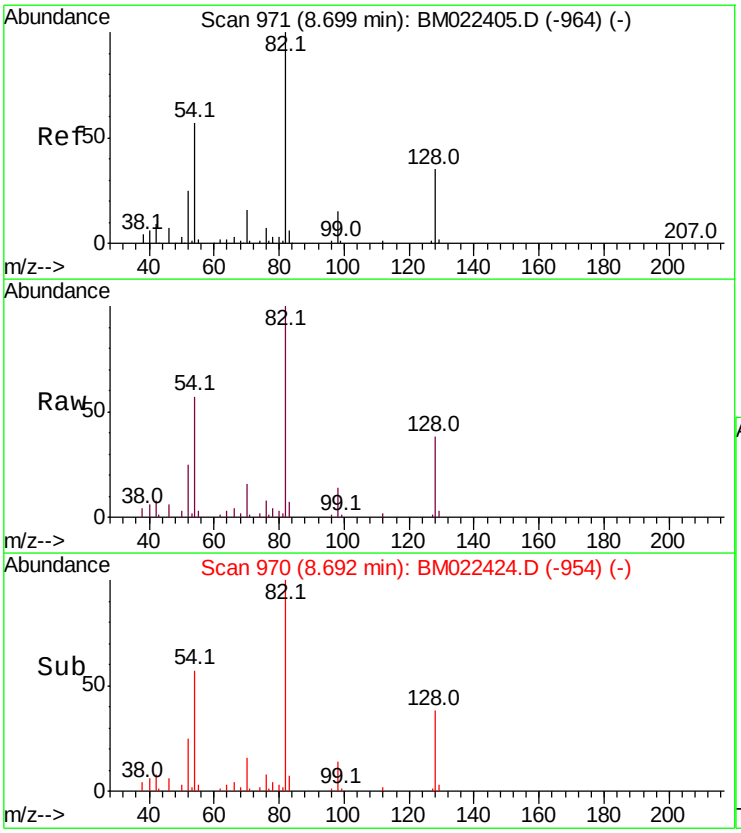
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.30 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:136 Resp: 67758

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.9	7.0	10.6
68	3.4	2.9	4.3

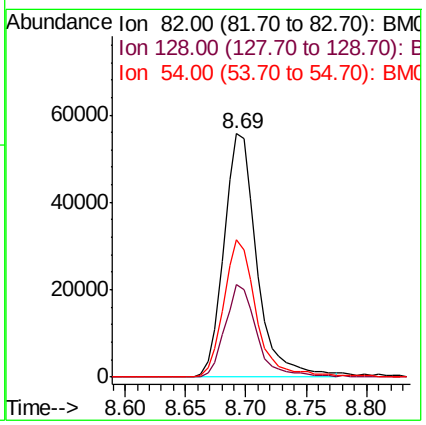


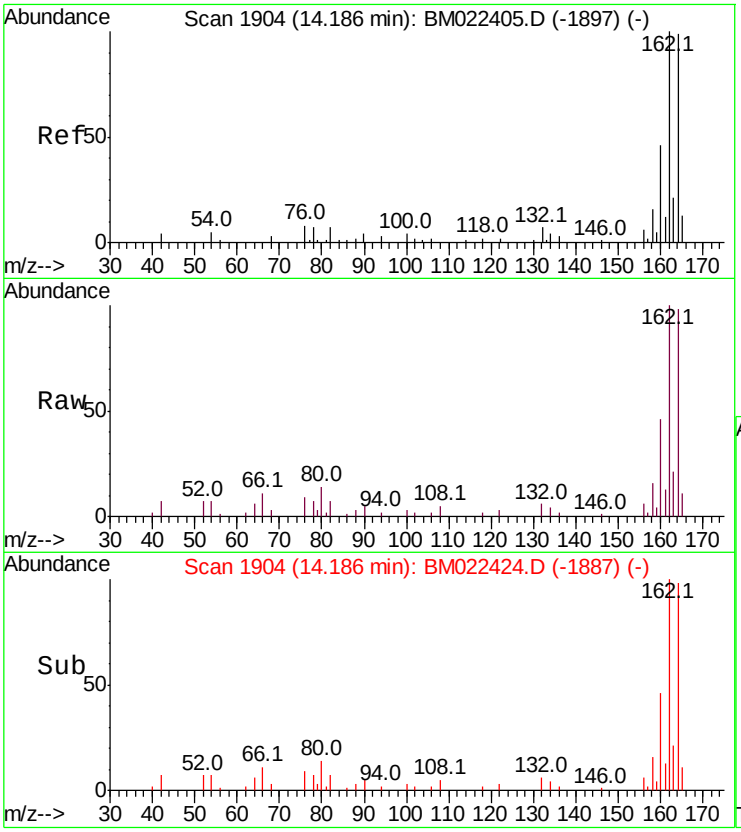


#23
Nitrobenzene-d5
Concen: 68.324 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion: 82 Resp: 105696

Ion	Ratio	Lower	Upper
82	100		
128	38.0	27.9	41.9
54	56.7	45.2	67.8



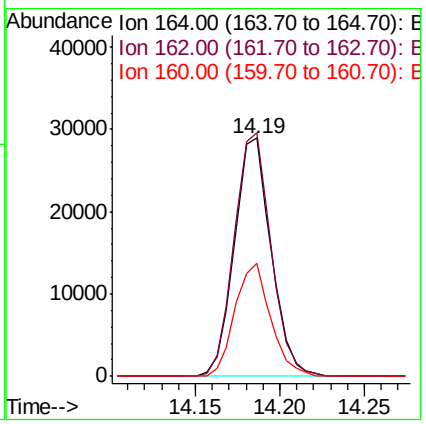


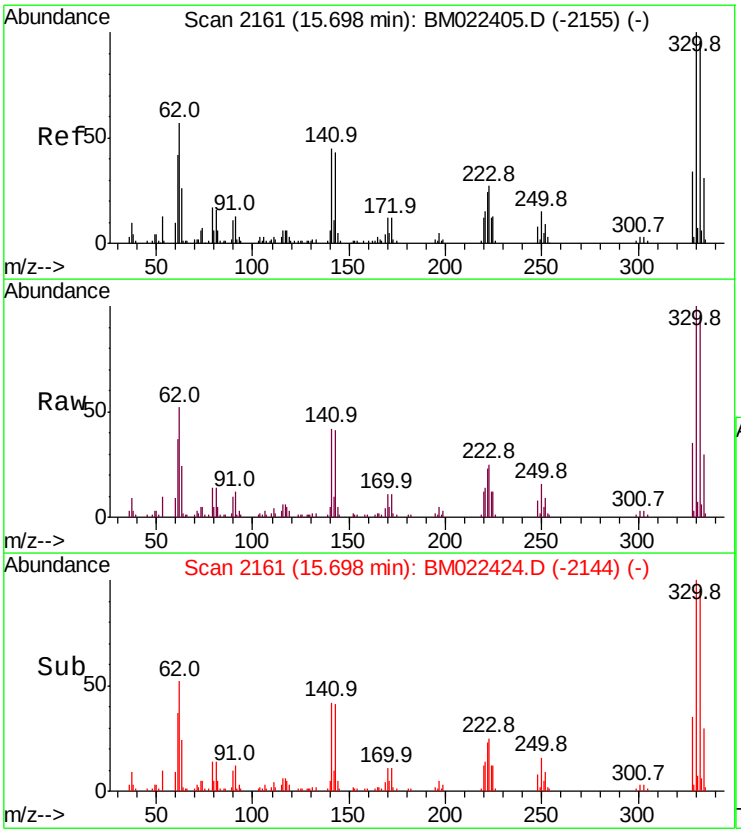
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1904
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:164 Resp: 43753

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	121.0
160	47.2	37.3	55.9

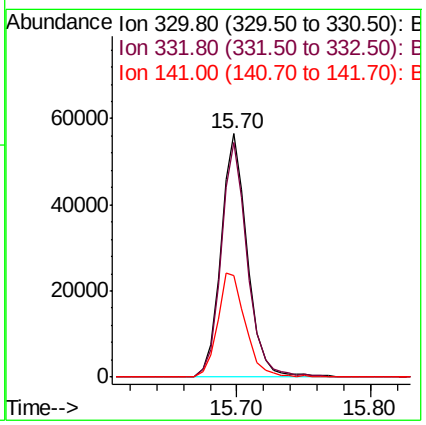


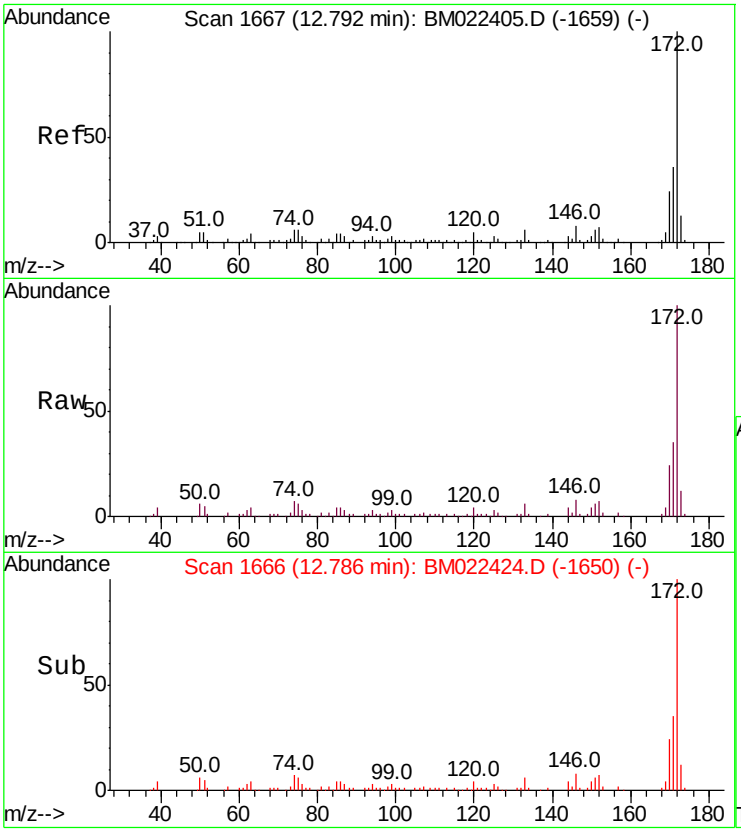


#42
2,4,6-Tribromophenol
Concen: 87.539 ng
RT: 15.70 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:330 Resp: 78374

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.8	116.8
141	45.1	35.6	53.4



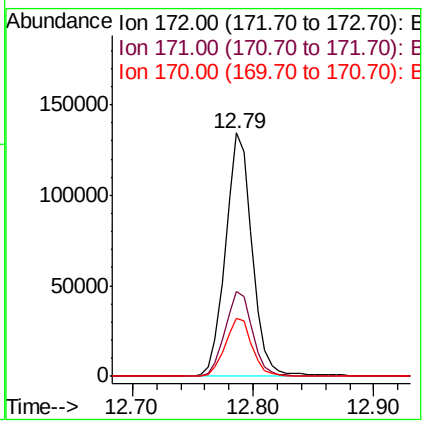


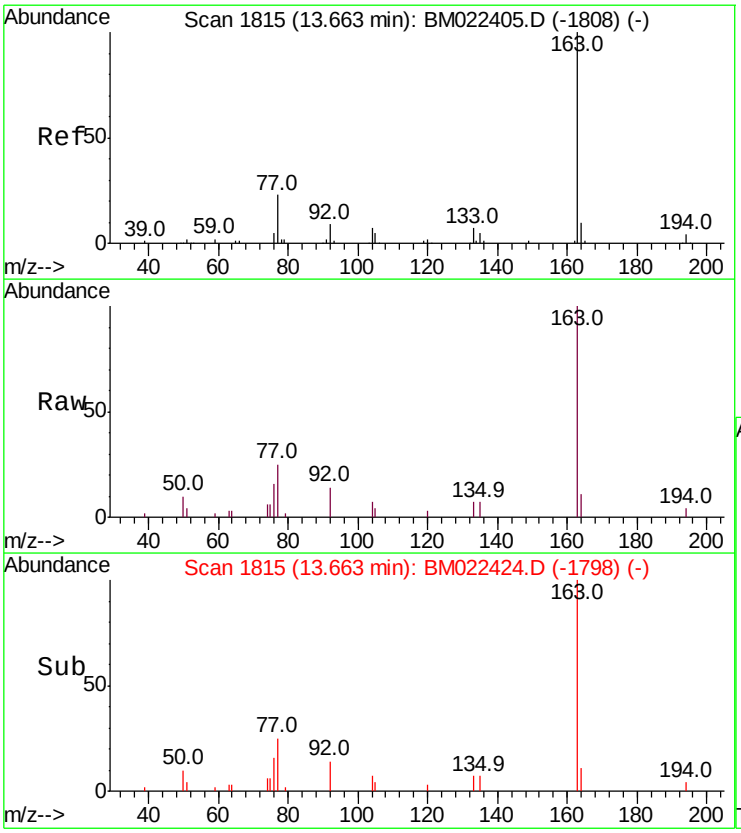
#45
2-Fluorobiphenyl
Concen: 53.365 ng
RT: 12.79 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:172 Resp: 206109

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	23.8	18.9	28.3

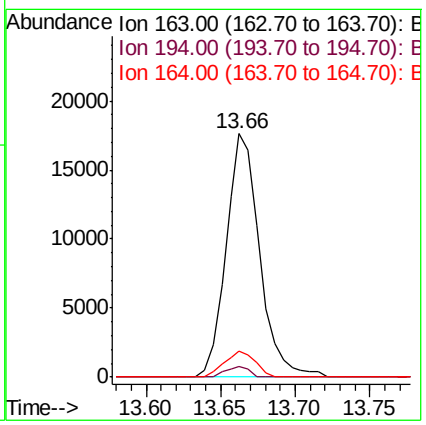


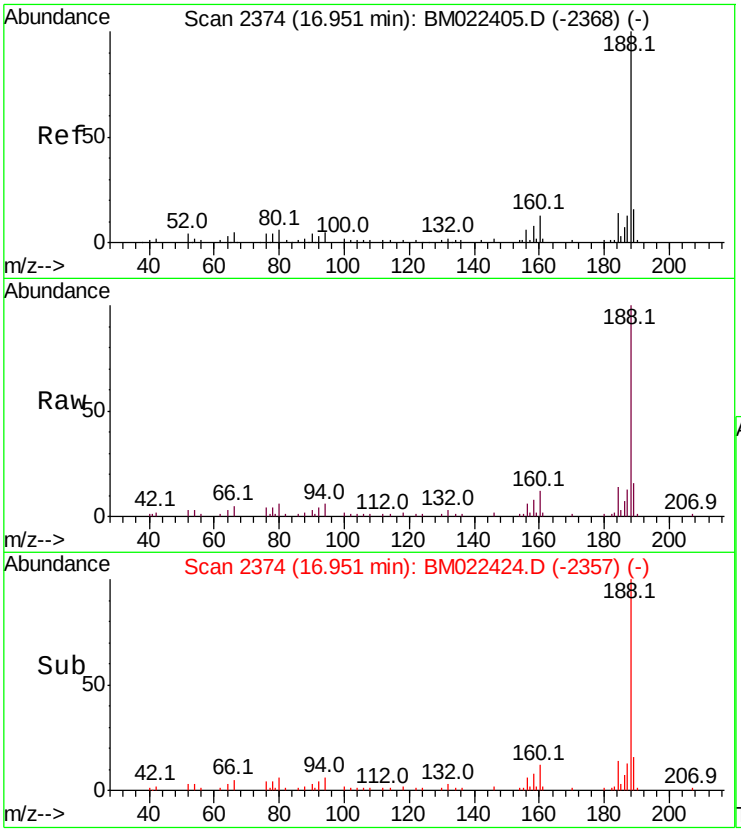


#50
Dimethylphthalate
Concen: 7.256 ng
RT: 13.66 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:163 Resp: 27612

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.7	8.2	12.2



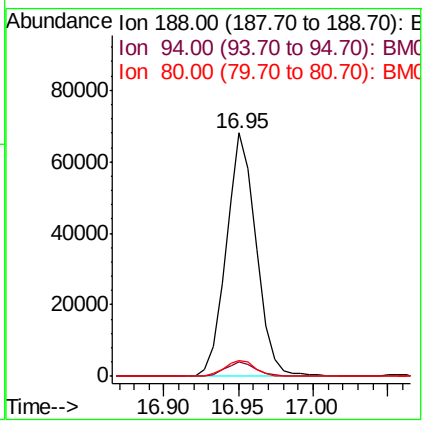


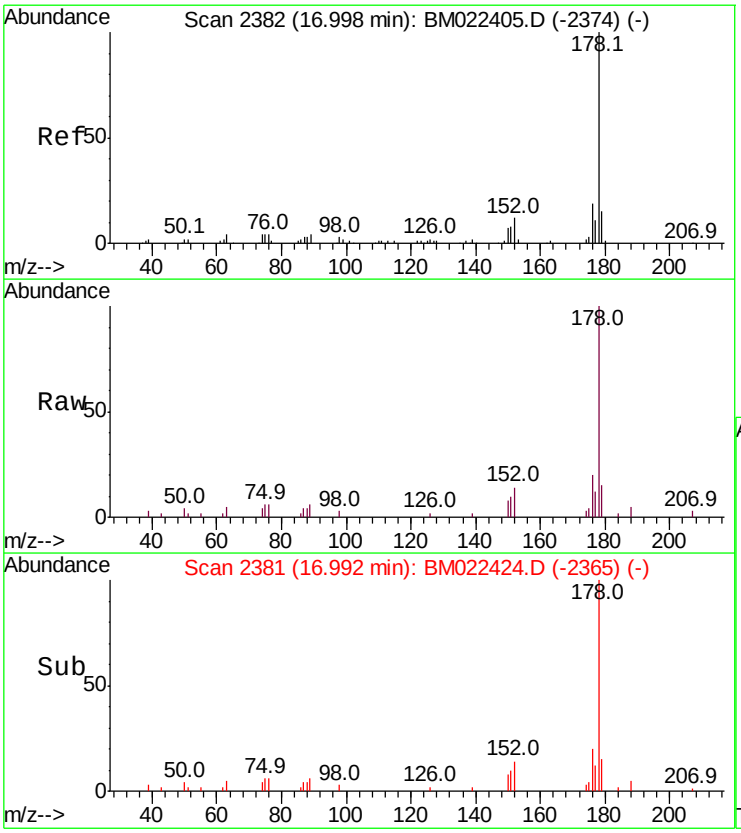
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:188 Resp: 95655

Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.4	6.6
80	6.3	5.0	7.6

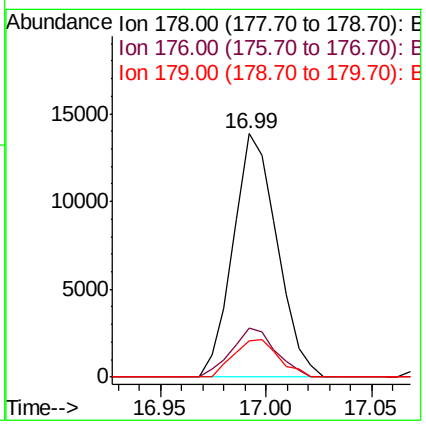


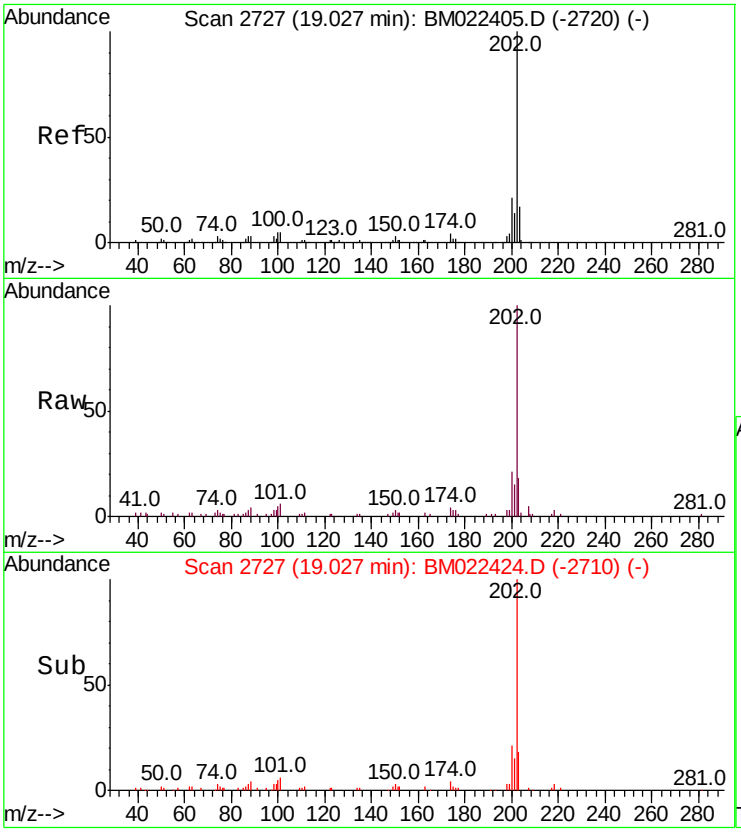


#71
Phenanthrene
Concen: 3.575 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:178 Resp: 19934

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	14.7	12.3	18.5



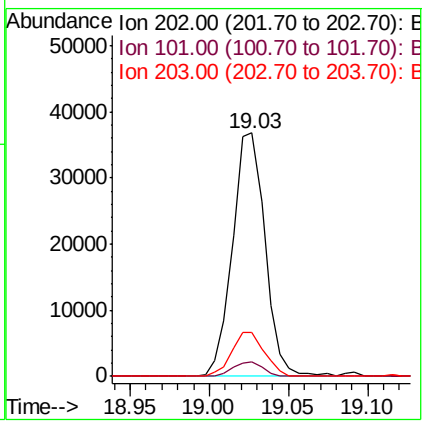


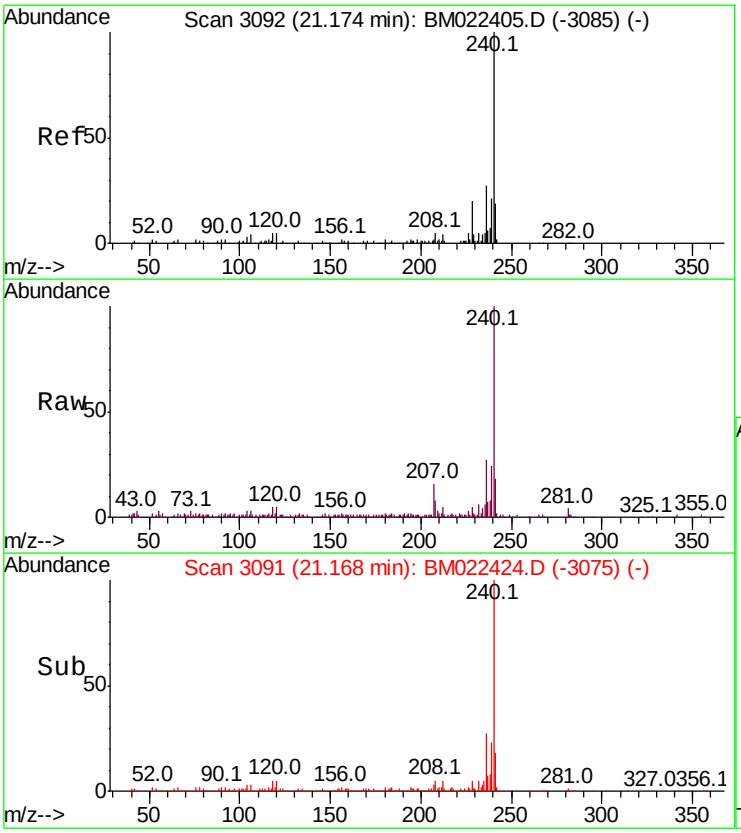
#75
Fluoranthene
Concen: 7.061 ng
RT: 19.03 min Scan# 2727
Delta R.T. -0.00 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:202 Resp: 52430

Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	25.1
203	18.2	0.0	37.1

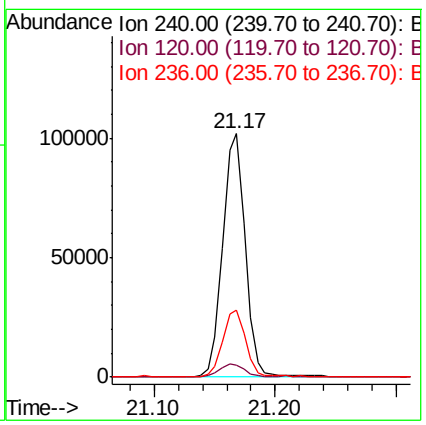


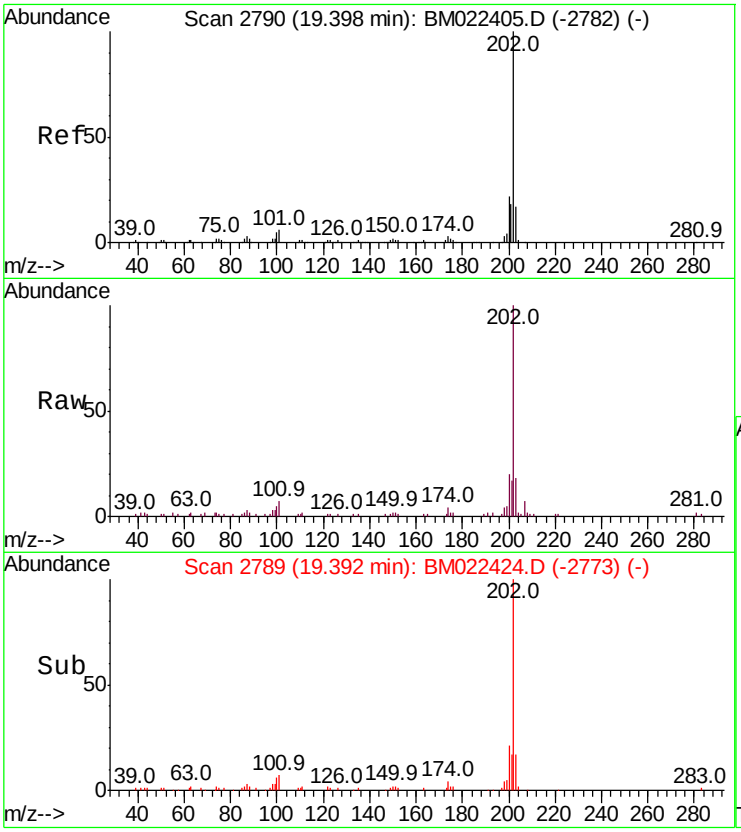


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:240 Resp: 132622

Ion	Ratio	Lower	Upper
240	100		
120	4.9	3.9	5.9
236	27.3	21.4	32.2



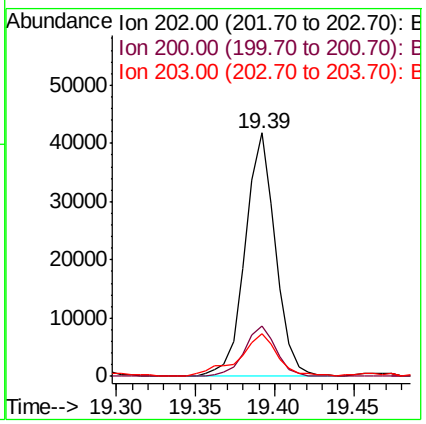


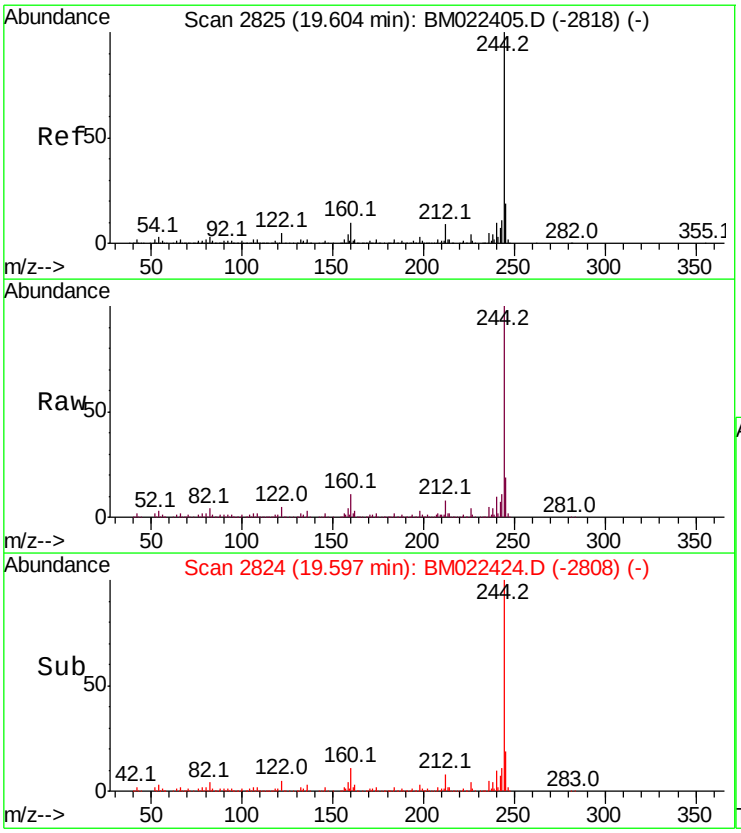
#78
Pyrene
Concen: 6.129 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:202 Resp: 55395

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	17.7	13.8	20.8

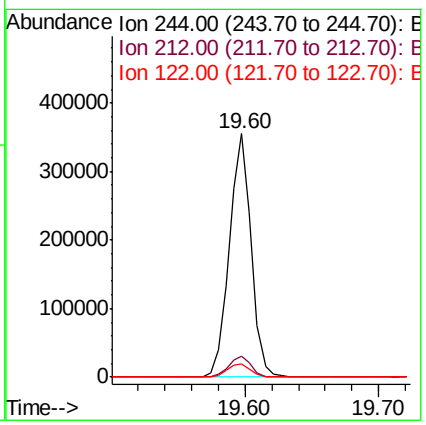


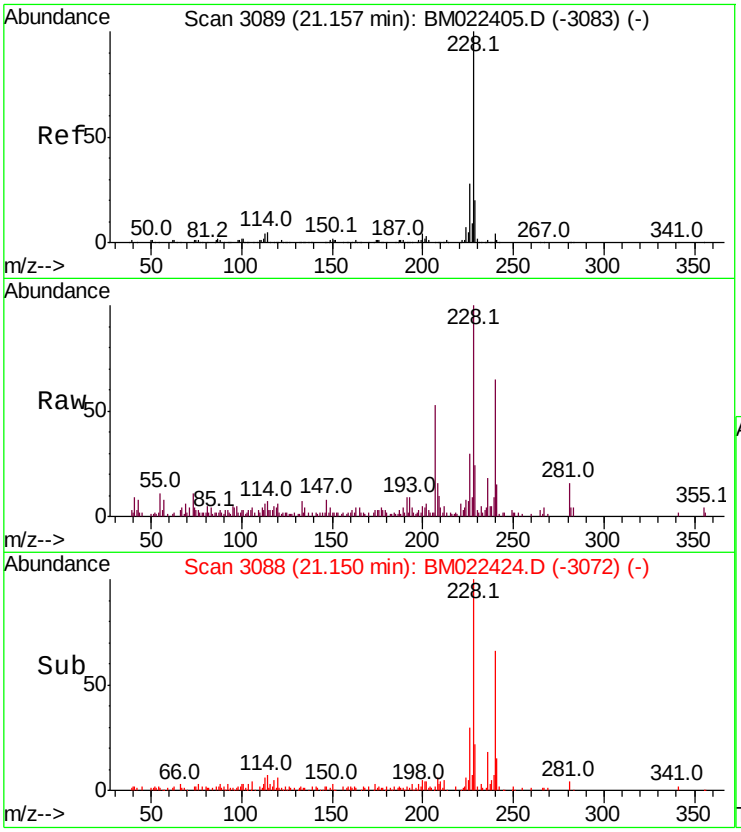


#79
Terphenyl-d14
Concen: 40.469 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:244 Resp: 406671

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.4
122	5.4	3.9	5.9



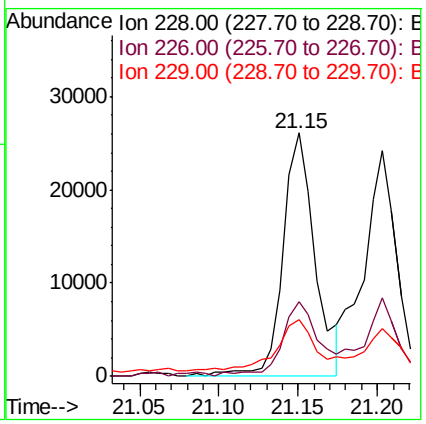


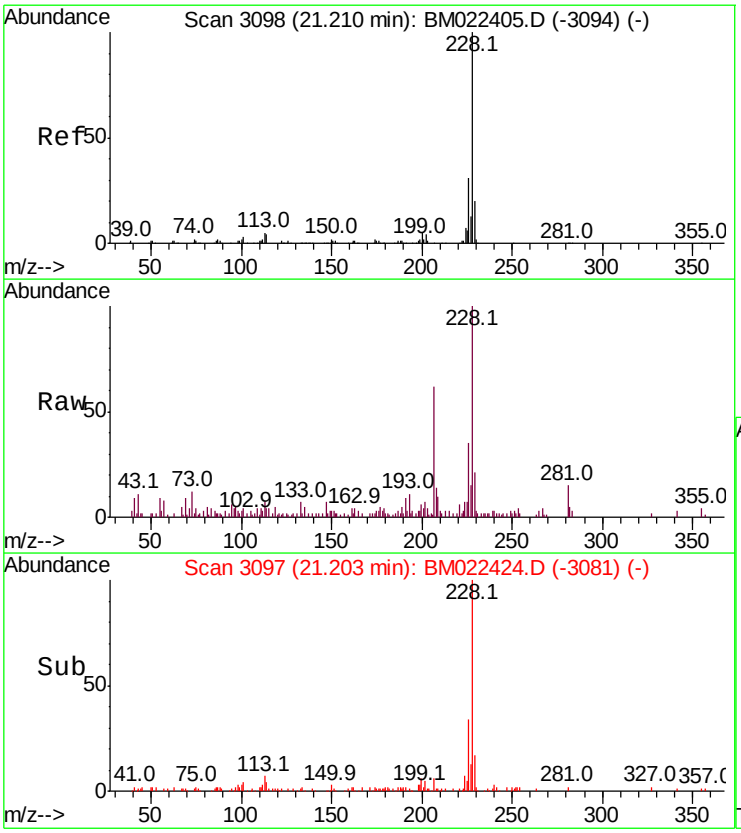
#81
Benzo(a)anthracene
Concen: 3.864 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:228 Resp: 36780

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	34.0
229	23.5	15.9	23.9

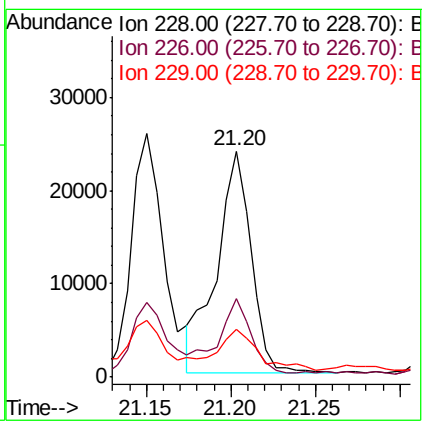


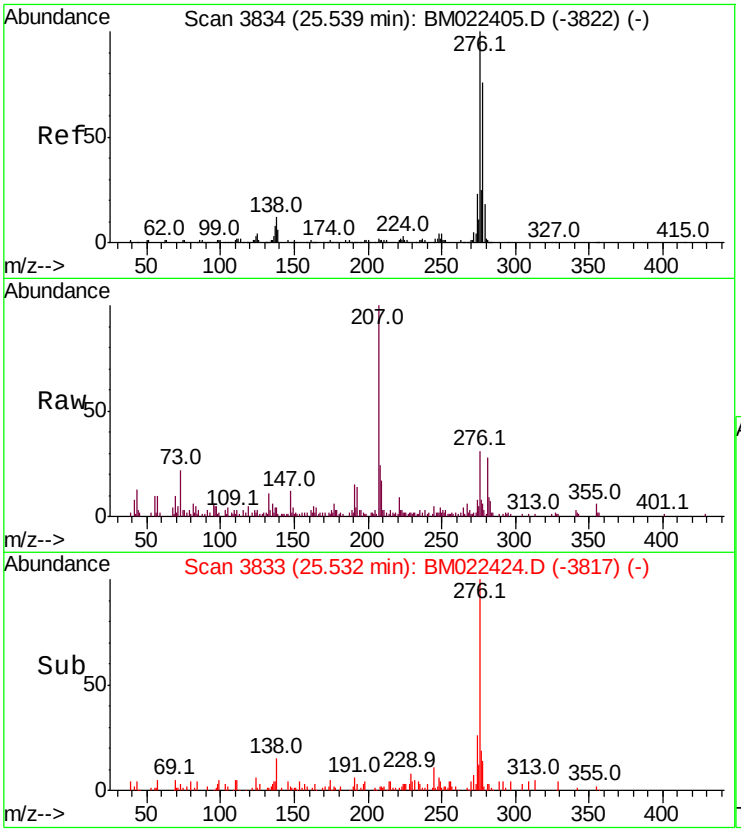


#83
Chrysene
Concen: 3.756 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:228 Resp: 34027

Ion	Ratio	Lower	Upper
228	100		
226	34.9	24.5	36.7
229	20.9	15.7	23.5



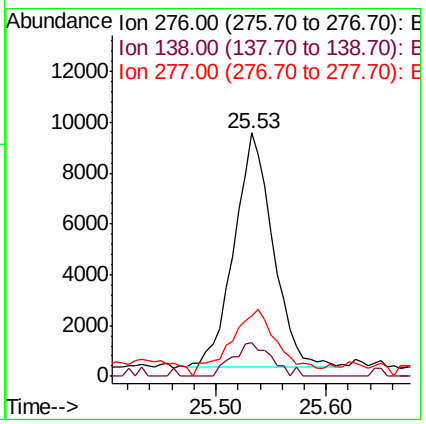


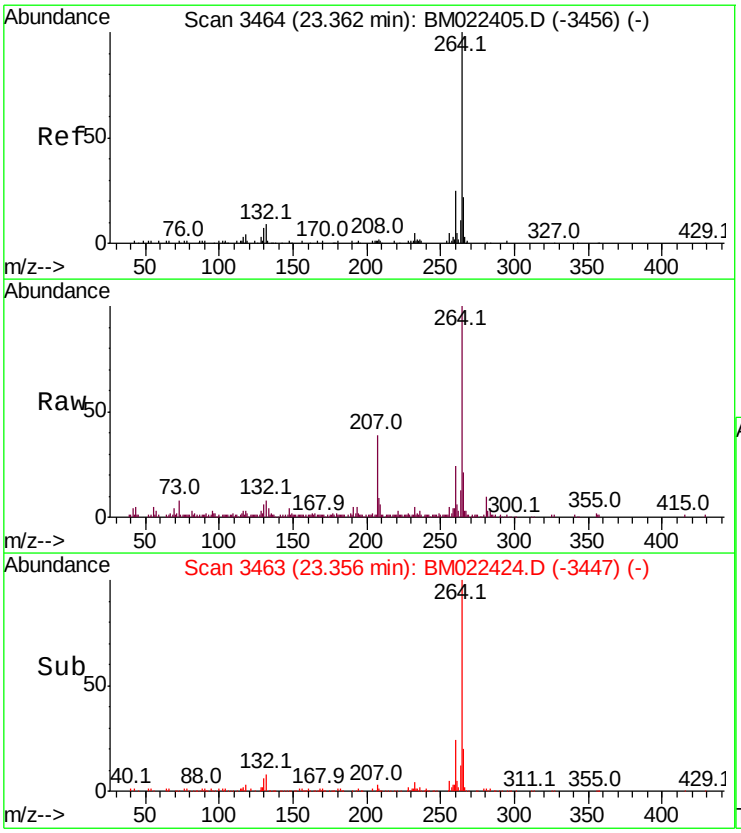
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.472 ng
RT: 25.53 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:276 Resp: 22532

Ion	Ratio	Lower	Upper
276	100		
138	14.5	9.1	13.7#
277	36.4	20.0	30.0#

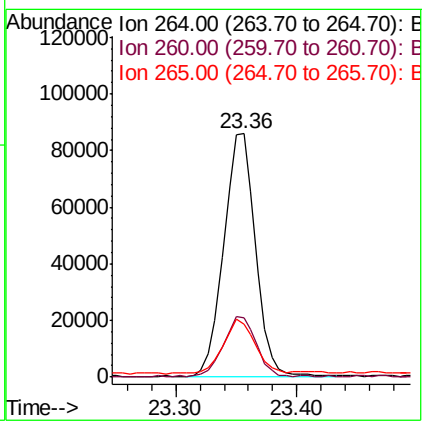


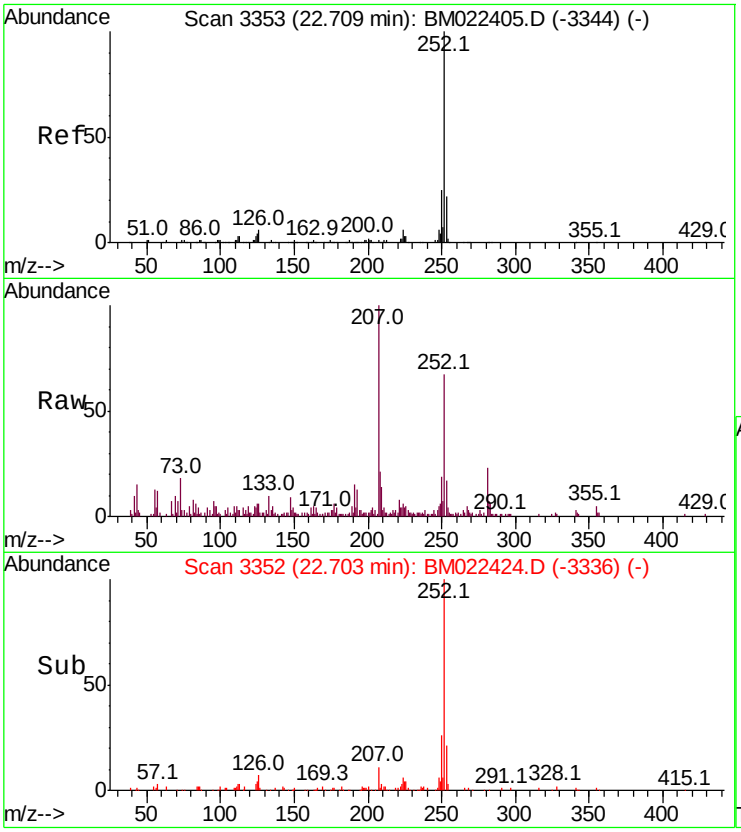


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:264 Resp: 158736

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.2	30.2
265	21.5	18.2	27.2



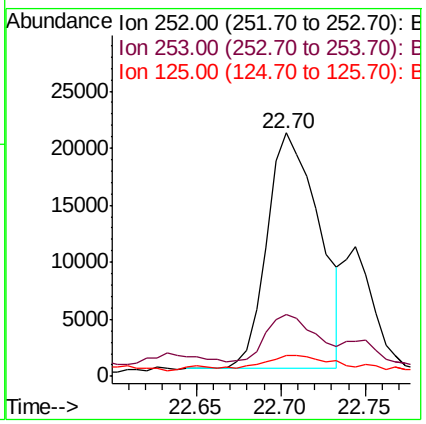


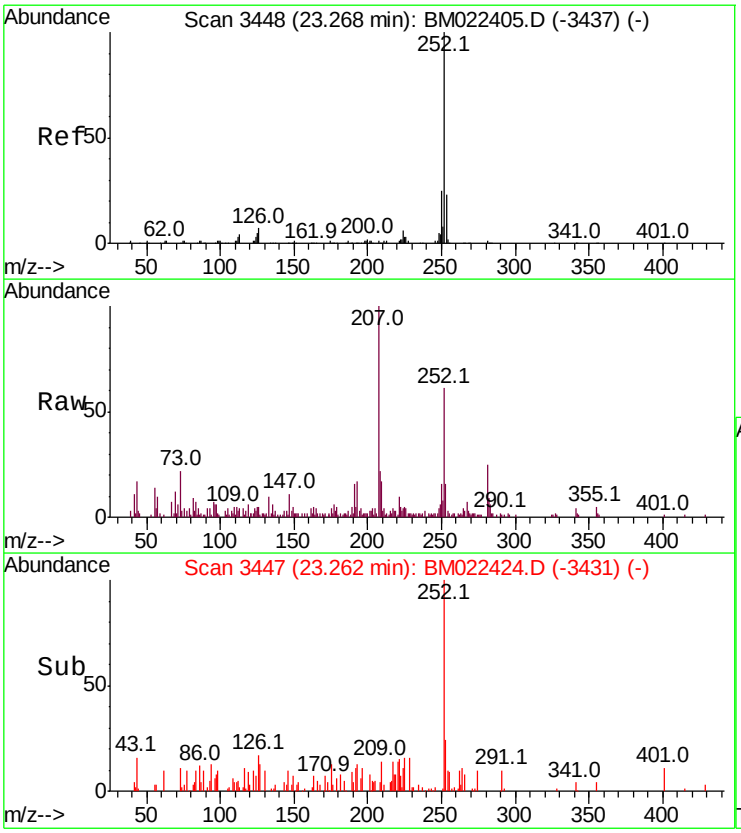
#88
Benzo(b)fluoranthene
Concen: 4.031 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:252 Resp: 44450

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	8.4	3.5	5.3#

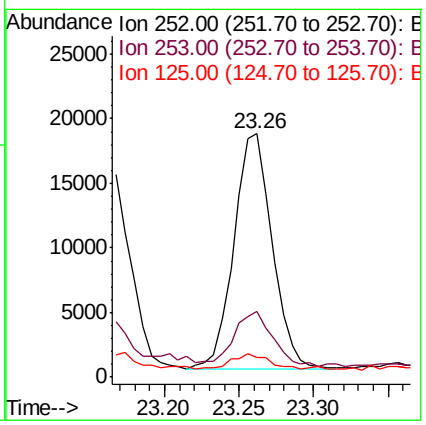


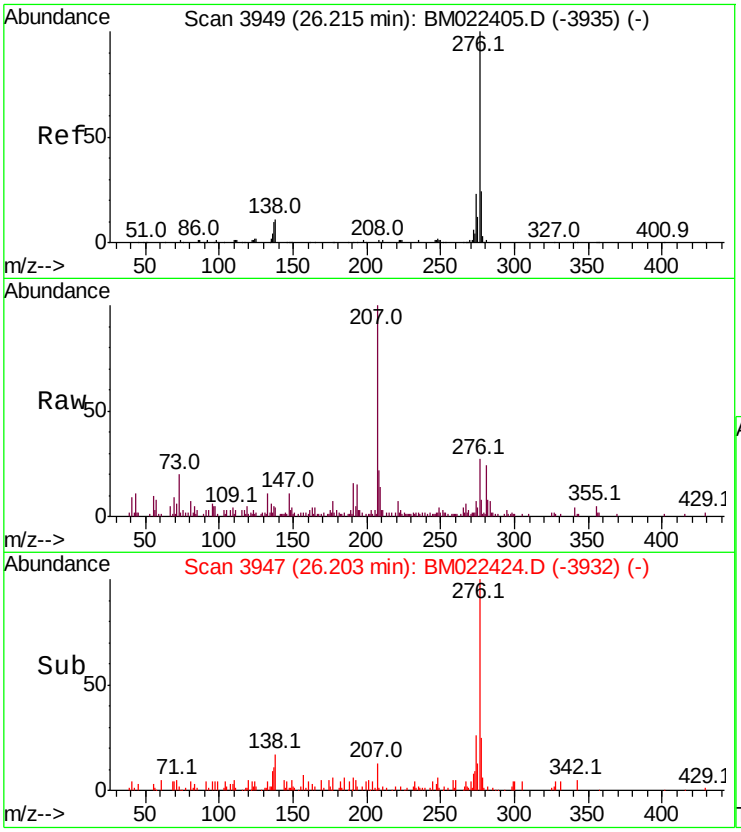


#90
Benzo(a)pyrene
Concen: 3.301 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Tgt Ion:252 Resp: 32310

Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.2
125	8.0	3.8	5.8#





#92
Benzo(g,h,i)perylene
Concen: 3.273 ng
RT: 26.20 min Scan# 3947
Delta R.T. -0.01 min
Lab File: BM022424.D
Acq: 30 Aug 2019 01:02

Instrument :
BNA_M
ClientSampleId :
S-4A-(1-3)

Tgt Ion:276 Resp: 27843

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.4	29.0
138	16.4	8.8	13.2#