Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
Data File : BM016230.D
Acq On : 07 Aug 2018 23:18
Operator : SJ/JU
Sample : J4335-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
Sohil
8/8/2018 5:35:07 PM

Quant Time: Aug 08 02:36:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 07 16:15:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	54133	20.00	ng		0.00
21) Naphthalene-d8	10.95	136	227952	20.00	ng		0.00
38) Acenaphthene-d10	14.77	164	141789	20.00	ng		0.00
63) Phenanthrene-d10	17.51	188	329348	20.00	ng		0.00
75) Chrysene-d12	21.64	240	372706	20.00	ng		0.00
86) Perylene-d12	23.98	264	335629	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	380080	116.63	ng		0.00
7) Phenol-d6	7.30	99	515723	121.18	ng		0.00
23) Nitrobenzene-d5	9.32	82	344709	70.33	ng		0.00
41) 2,4,6-Tribromophenol	16.26	330	208854	116.14	ng		0.00
44) 2-Fluorobiphenyl	13.39	172	769031	65.99	ng		0.00
78) Terphenyl-d14	20.09	244	1531428	86.01	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	14.23	163	66365	5.348	ng		98
74) Fluoranthene	19.54	202	105252	5.117	ng		97
77) Pyrene	19.90	202	111983	5.014	ng		99
80) Benzo(a)anthracene	21.62	228	69242	3.016	ng		97
82) Chrysene	21.67	228	77708m	3.529	ng		
87) Benzo(b)fluoranthene	23.27	252	95831	4.849	ng		97
89) Benzo(a)pyrene	23.88	252	61151	3.219	ng	#	93
91) Benzo(g,h,i)perylene	27.10	276	42953	2.307	ng		95

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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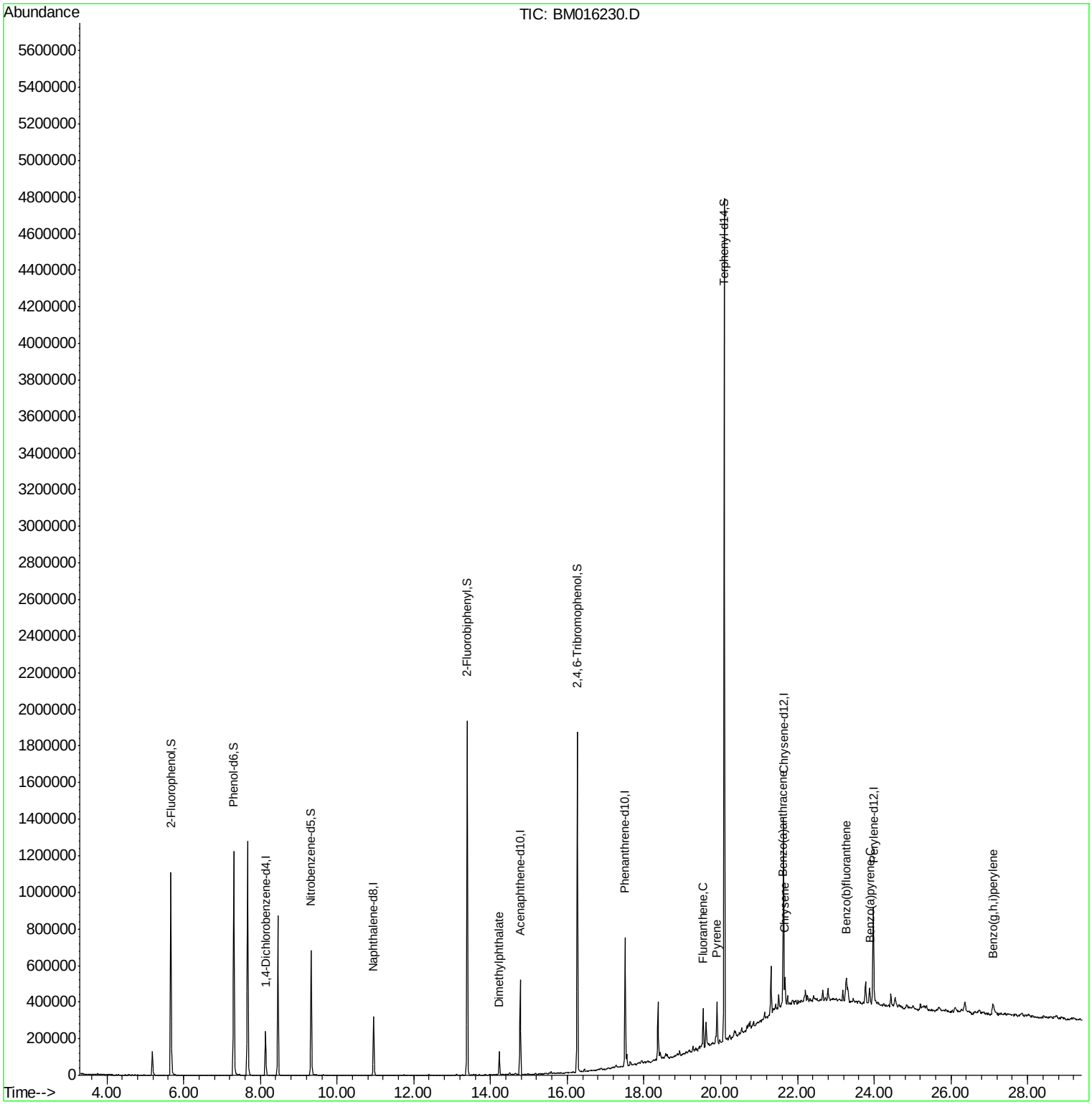
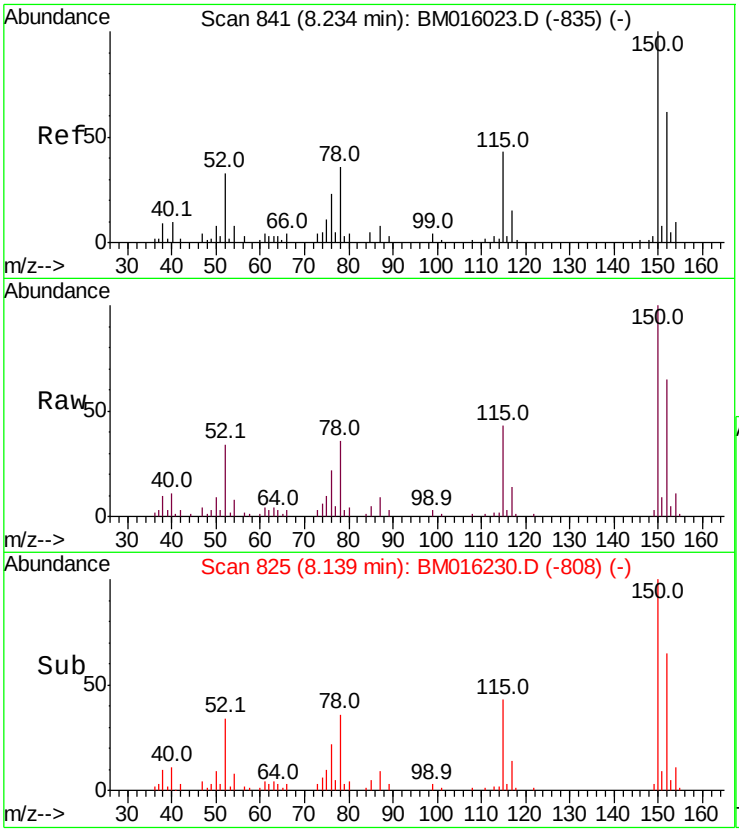
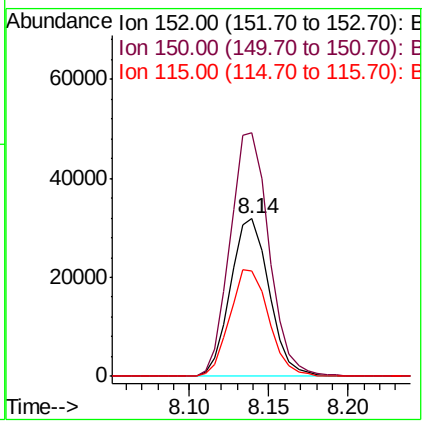




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 825
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:152 Resp: 54133

Ion	Ratio	Lower	Upper
152	100		
150	154.5	119.5	179.3
115	66.8	43.0	64.4#



Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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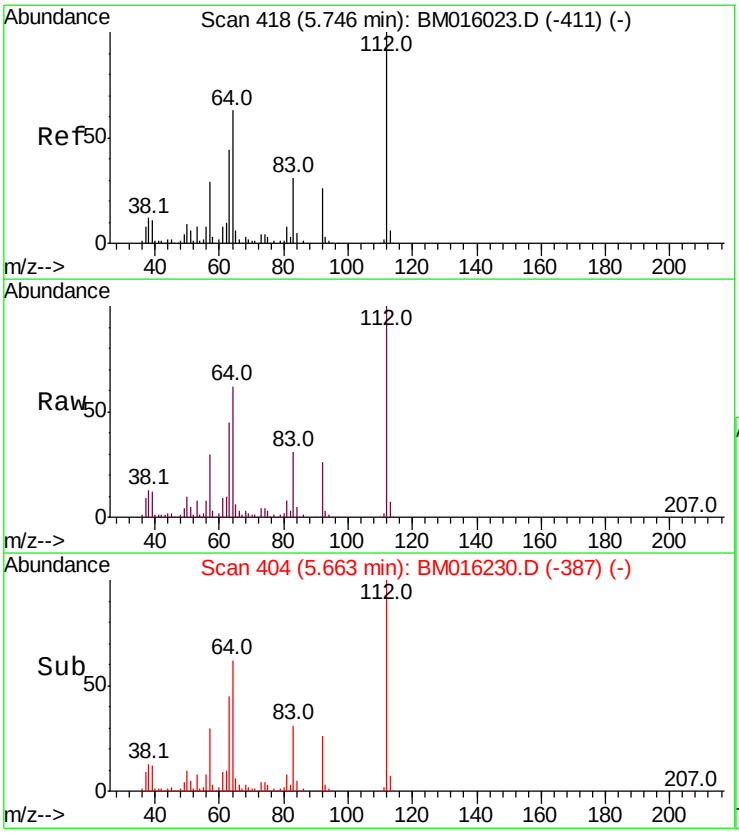
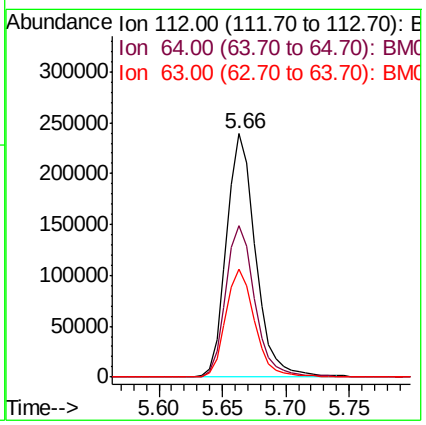
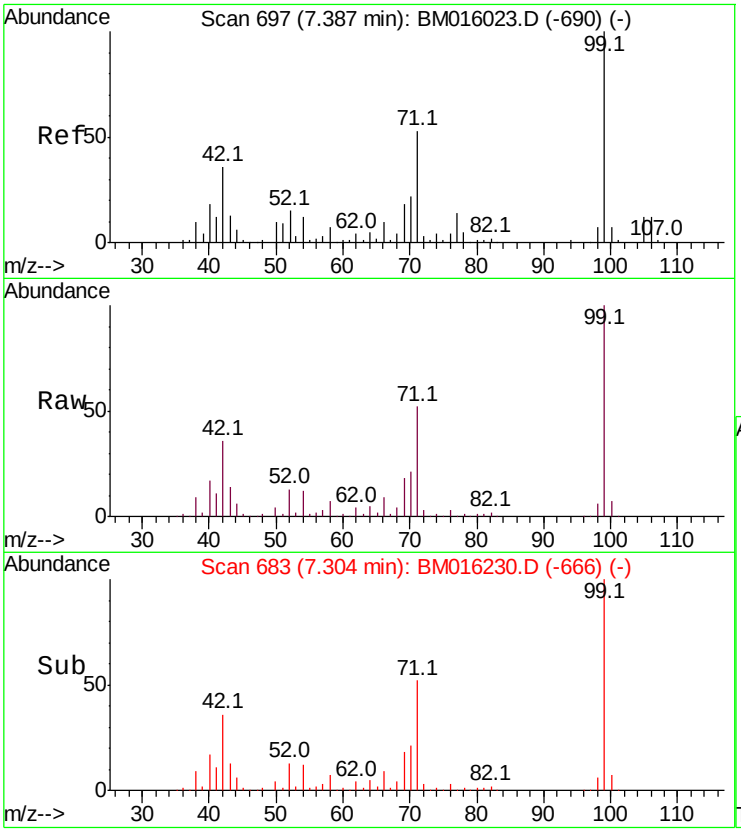


#5
2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:112 Resp: 380080

Ion	Ratio	Lower	Upper
112	100		
64	62.2	38.6	57.8#
63	44.6	19.3	28.9#

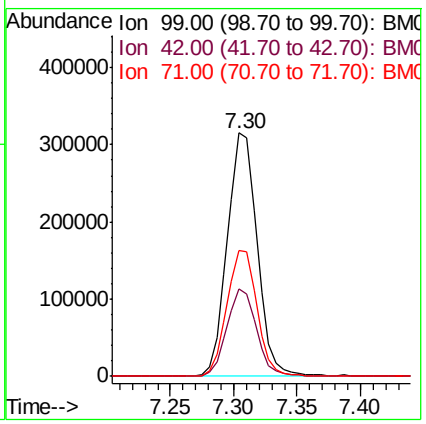




#7
Phenol-d6
Concen: N.D. ng
RT: 7.30 min Scan# 683
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion: 99 Resp: 515723

Ion	Ratio	Lower	Upper
99	100		
42	35.9	11.0	16.4#
71	51.8	23.4	35.2#



Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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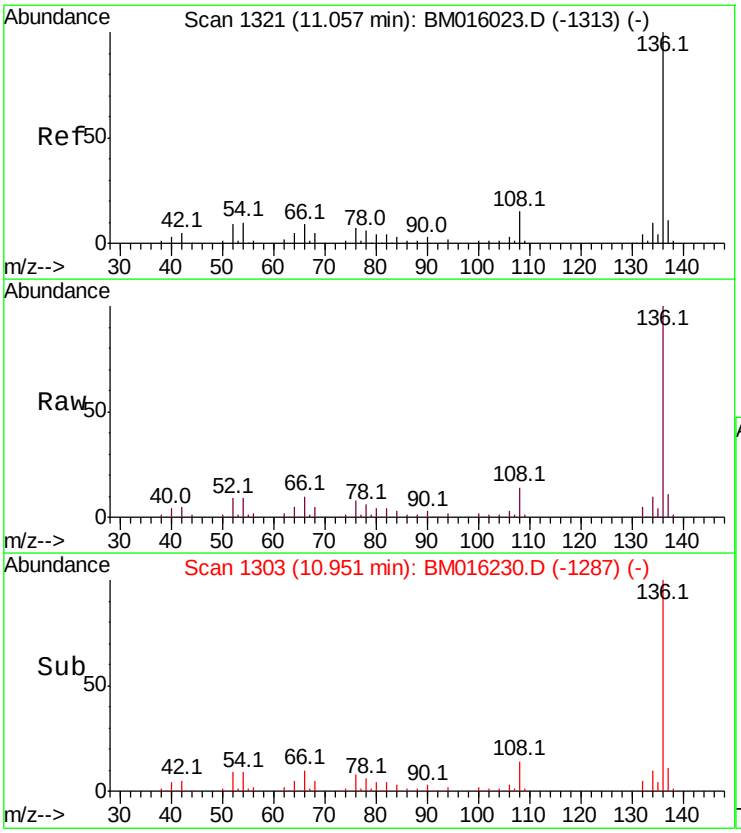
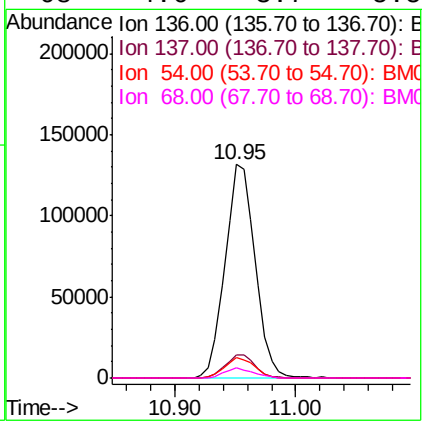
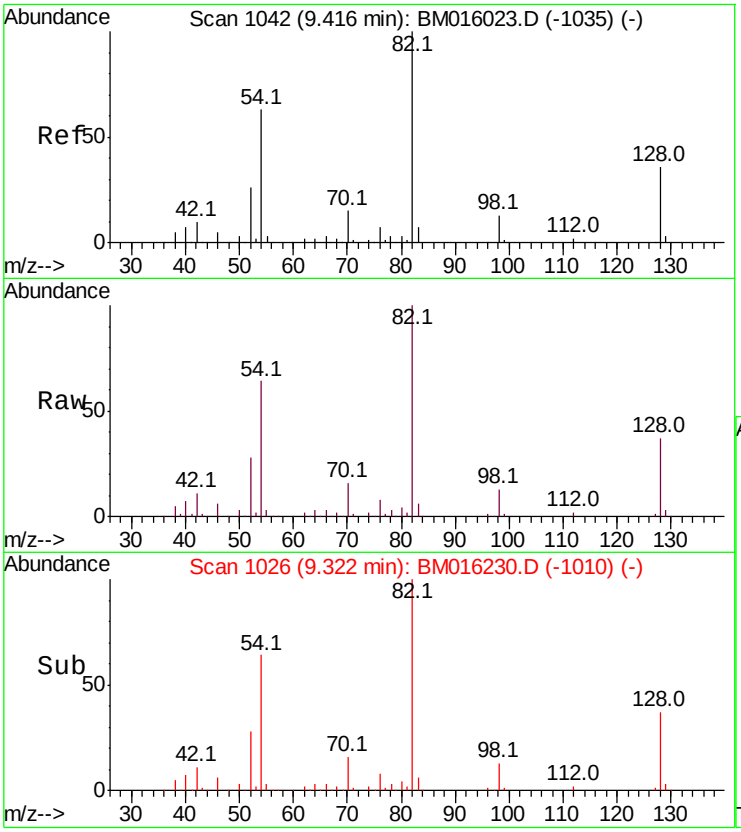


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:136 Resp: 227952

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.4	4.6	6.8#
68	4.6	3.7	5.5





#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion: 82 Resp: 344709

Ion	Ratio	Lower	Upper
82	100		
128	36.7	32.8	49.2
54	63.8	40.6	60.8#

Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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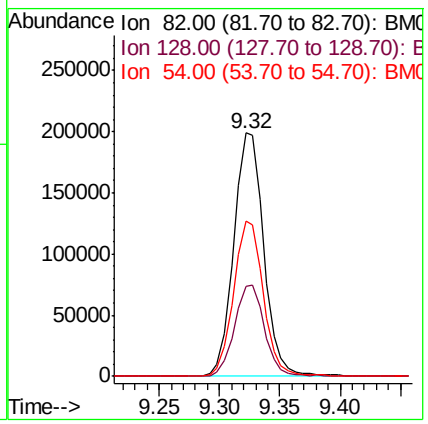
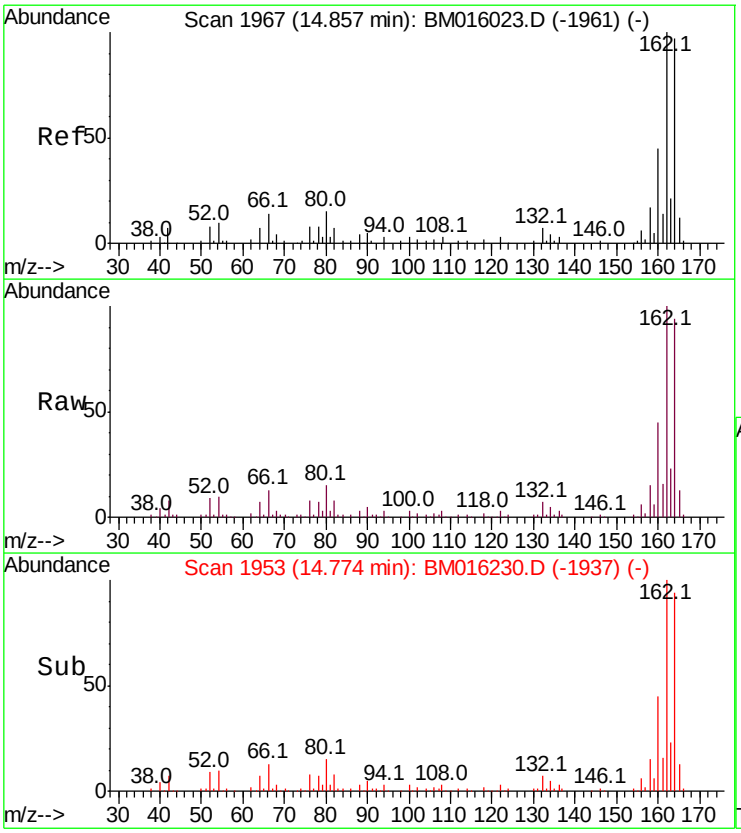
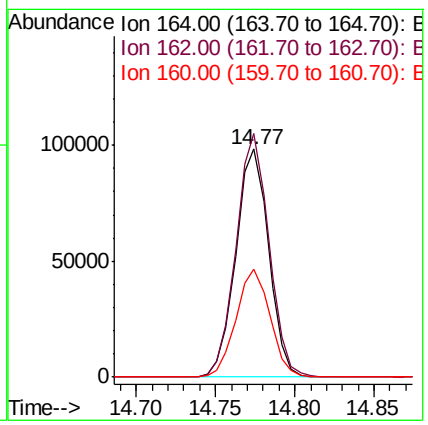


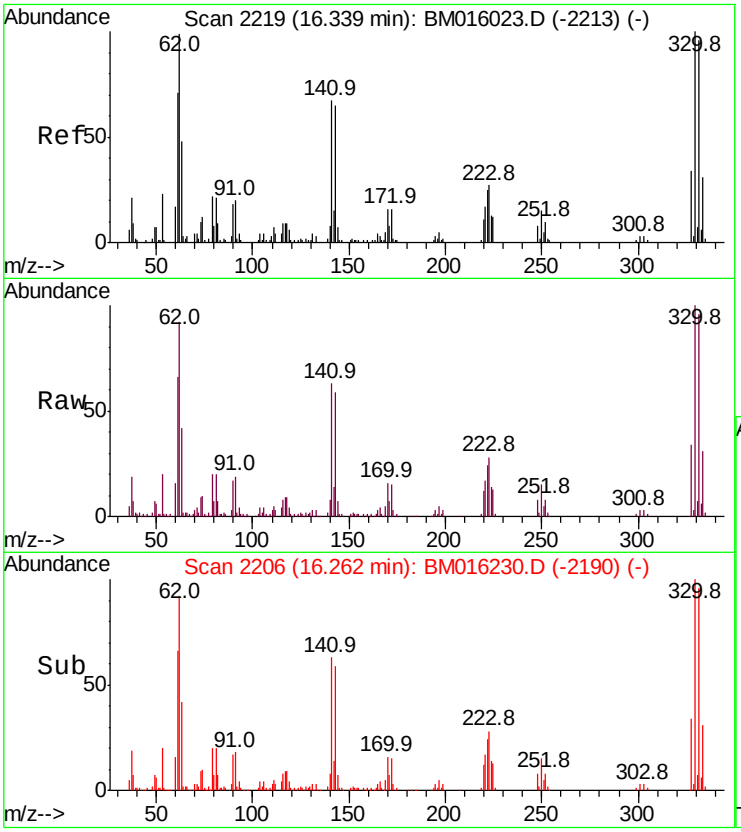


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:164 Resp: 141789

Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.4	123.6
160	47.6	35.8	53.6





#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.26 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:330 Resp: 208854

Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	67.0	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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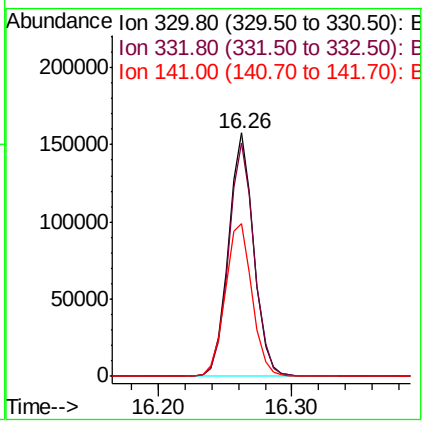
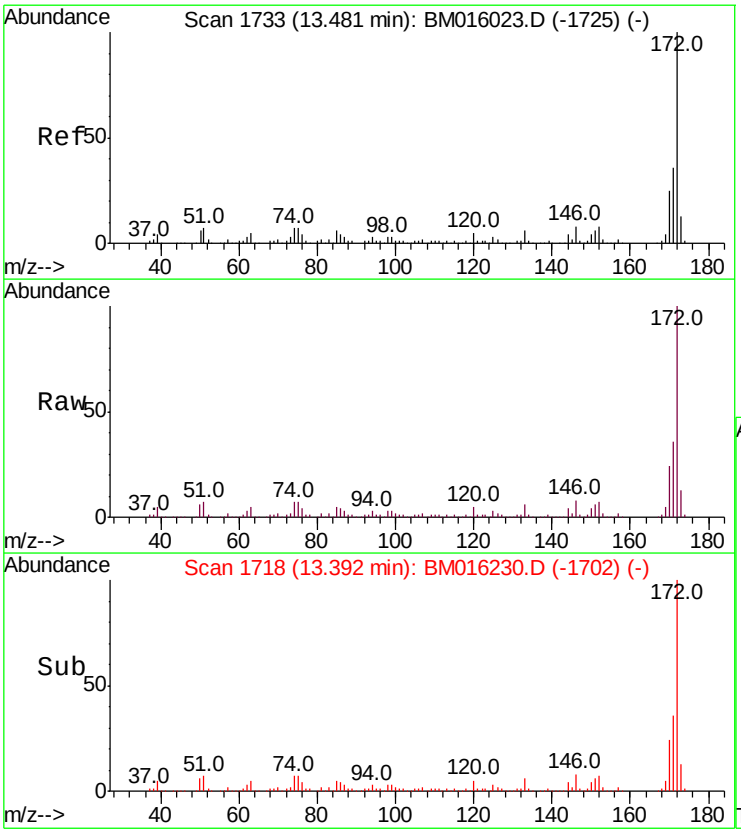
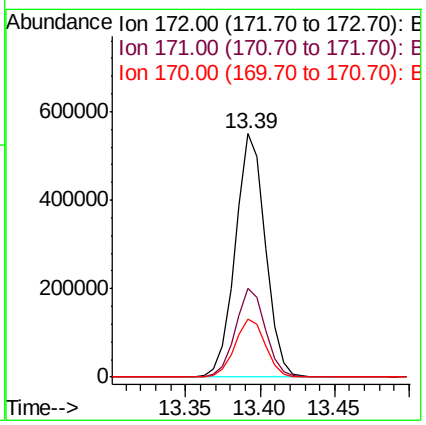


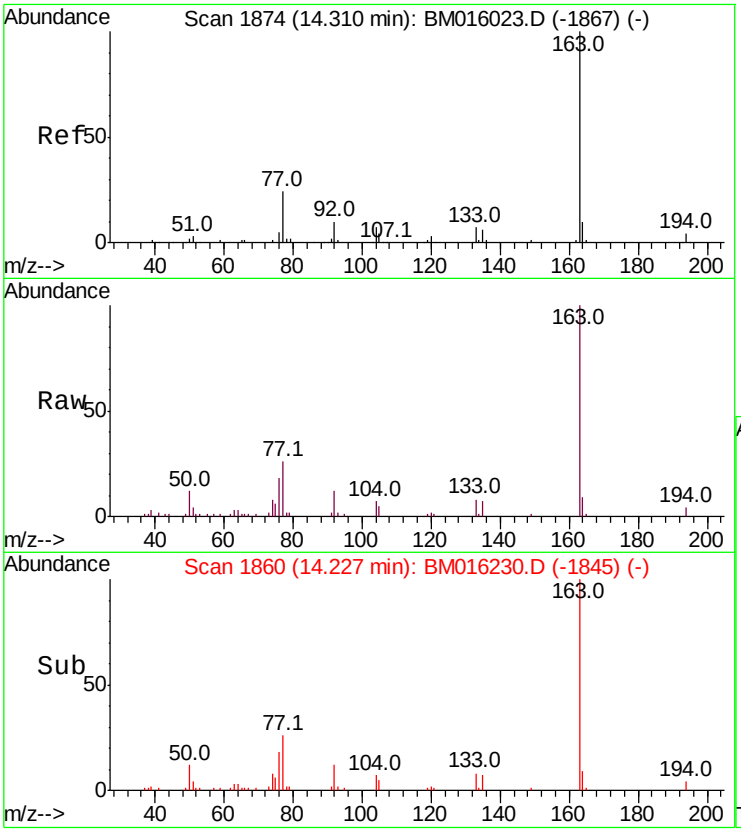


#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.39 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:172 Resp: 769031

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.5	42.7
170	23.9	18.8	28.2





#49
Dimethylphthalate
Concen: 5.348 ng
RT: 14.23 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:163 Resp: 66365

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.3	8.2	12.2

Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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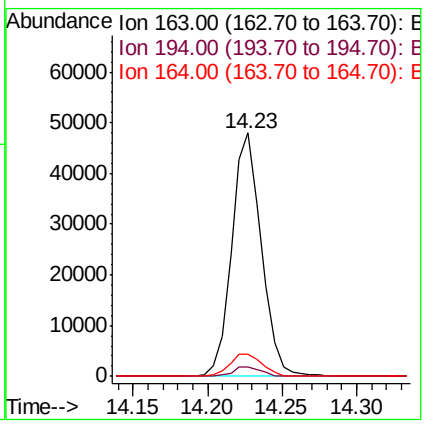
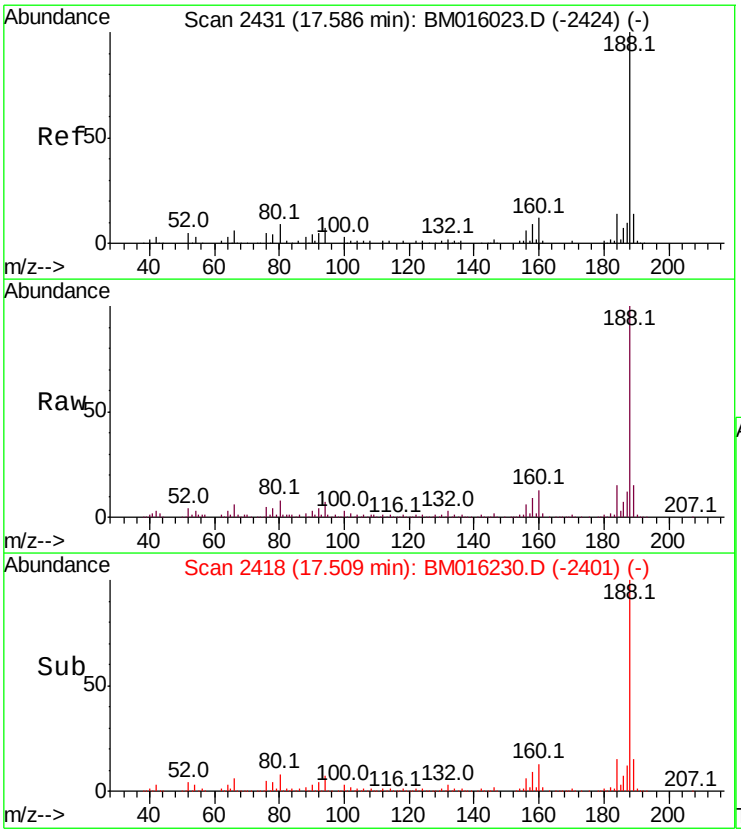
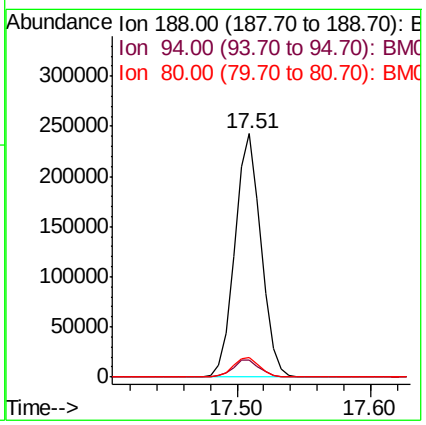


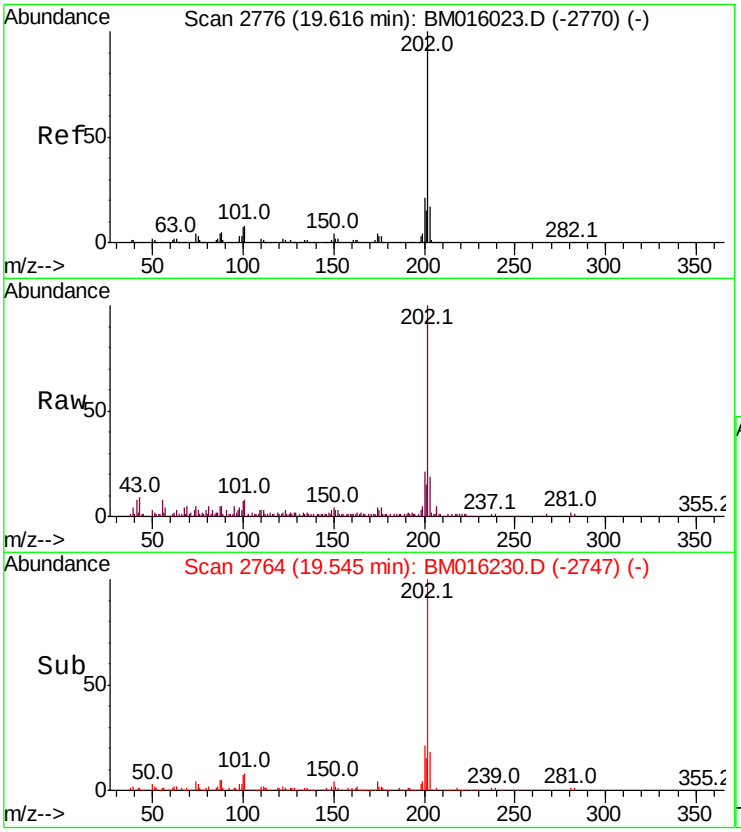


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:188 Resp: 329348

Ion	Ratio	Lower	Upper
188	100		
94	6.8	8.7	13.1#
80	7.9	9.3	13.9#

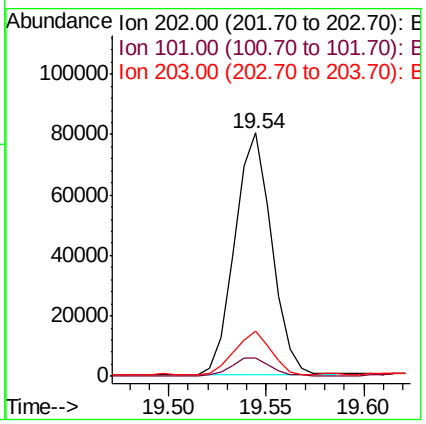




#74
Fluoranthene
Concen: 5.117 ng
RT: 19.54 min Scan# 2764
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:202 Resp: 105252

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.7
203	18.6	0.0	37.2



Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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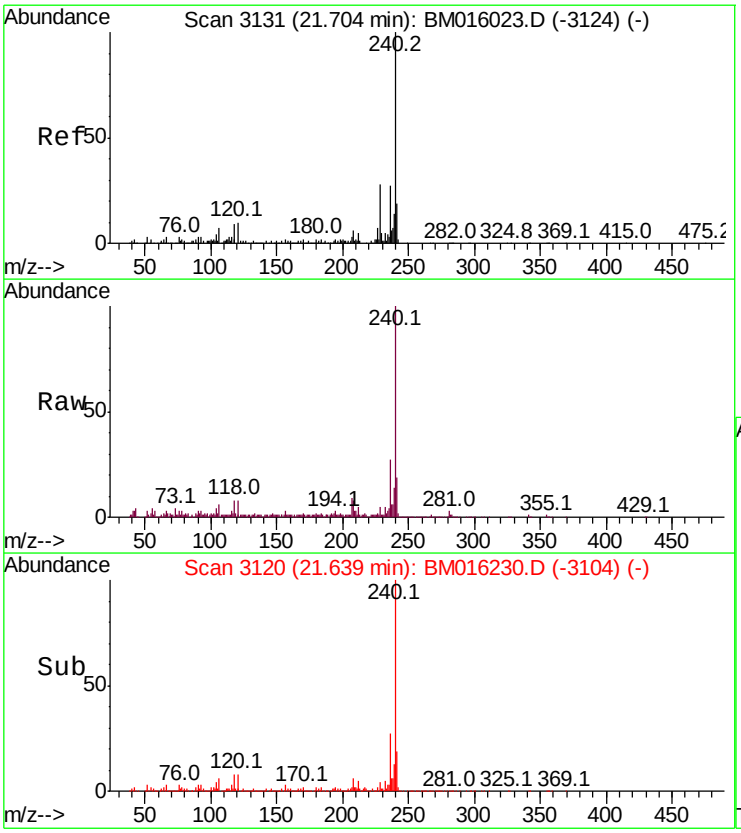
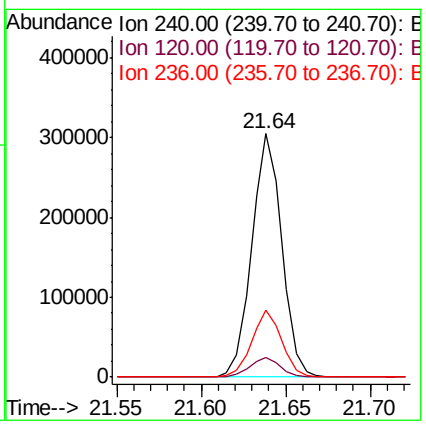
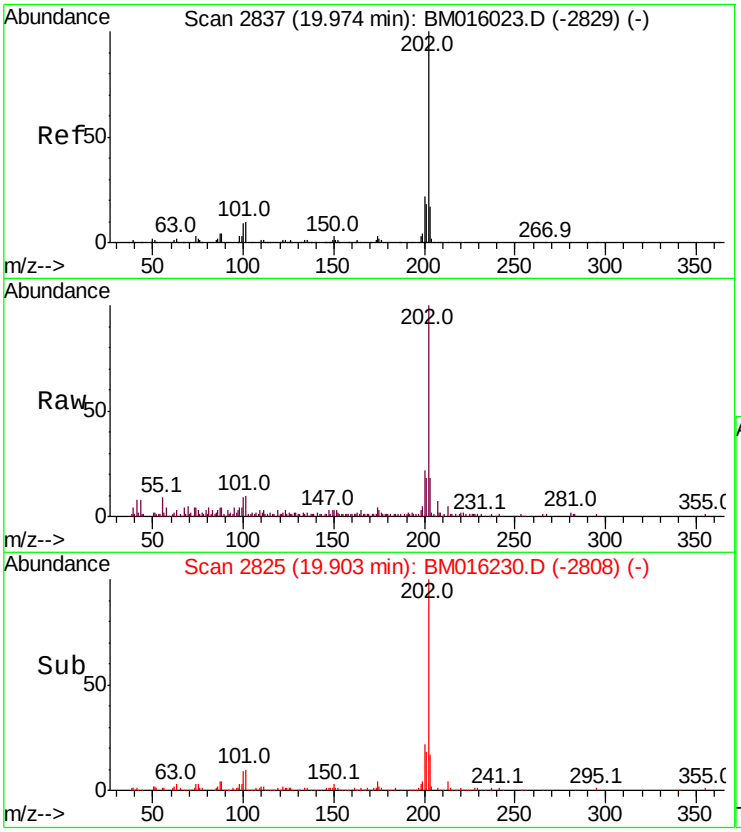


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:240 Resp: 372706

Ion	Ratio	Lower	Upper
240	100		
120	7.8	8.2	12.2#
236	27.4	20.0	30.0

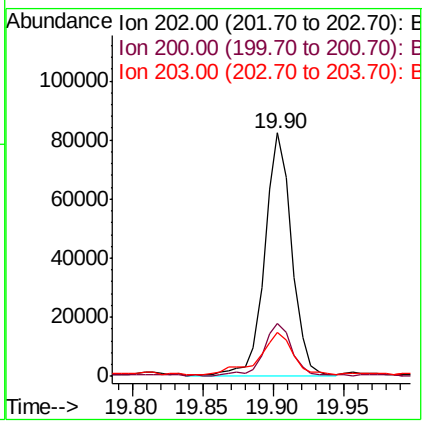




#77
Pyrene
Concen: 5.014 ng
RT: 19.90 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:202 Resp: 111983

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.1	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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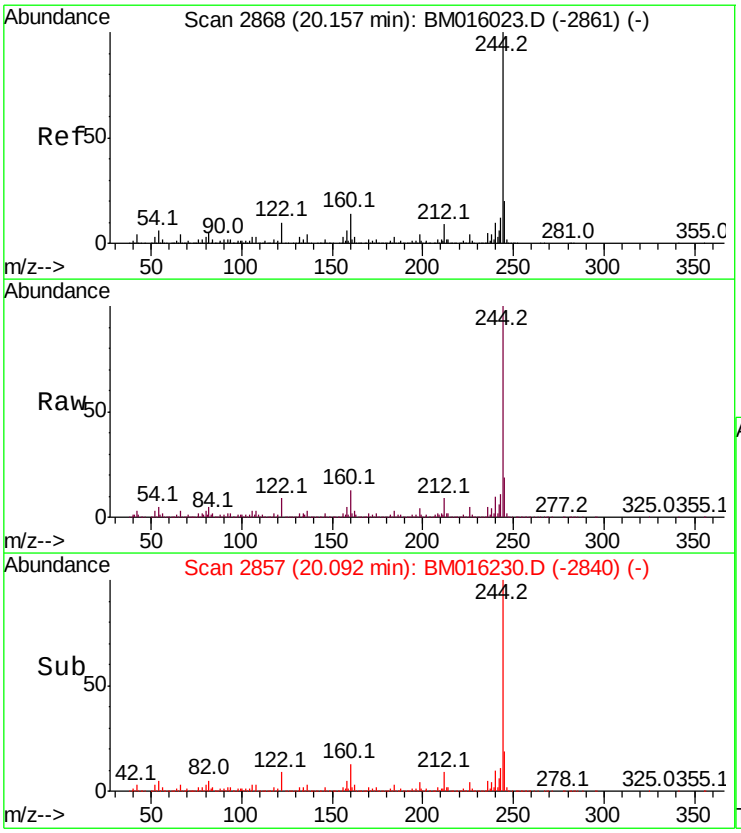
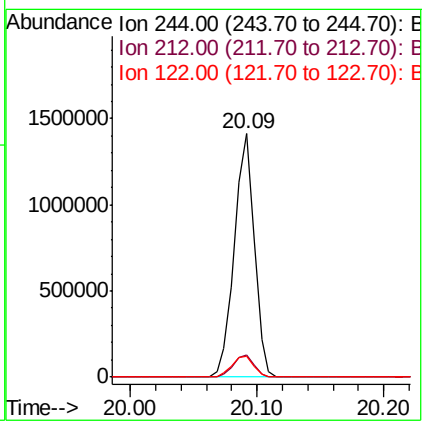
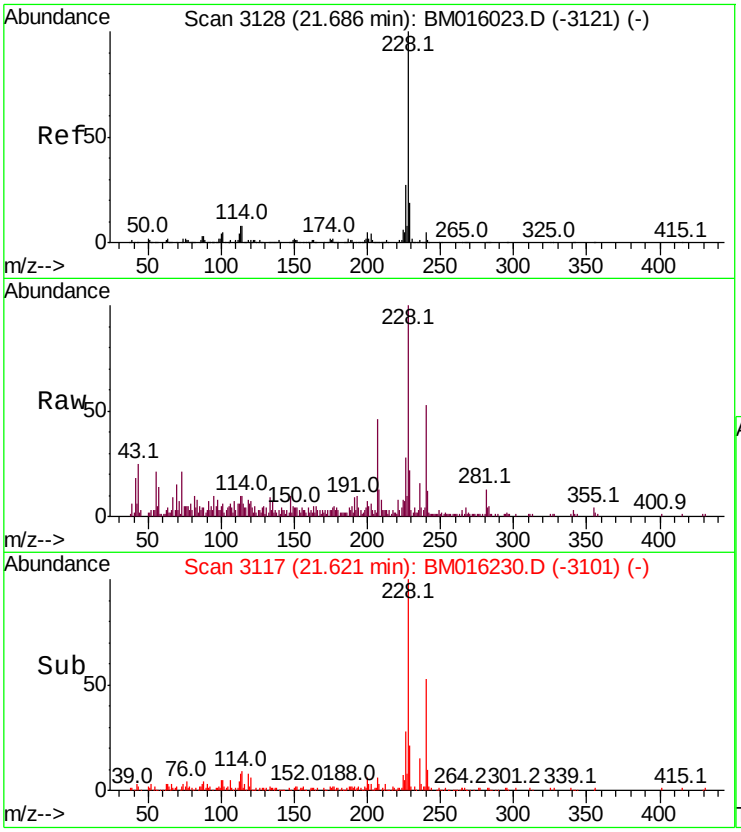


#78
Terphenyl-d14
Concen: 5.014 ng
RT: 20.09 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:244 Resp: 1531428

Ion	Ratio	Lower	Upper
244	100		
212	9.3	4.9	7.3#
122	8.8	6.2	9.4





#80
Benzo(a)anthracene
Concen: 3.016 ng
RT: 21.62 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:228 Resp: 69242

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.7	32.5
229	22.4	16.0	24.0

Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
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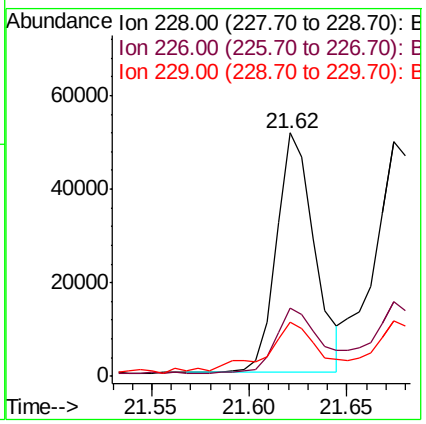
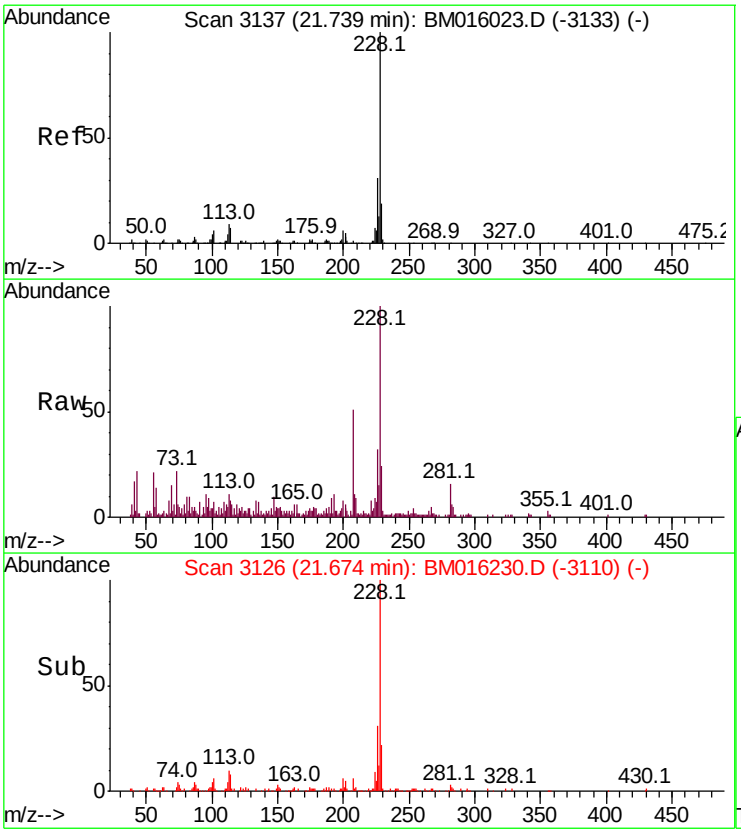
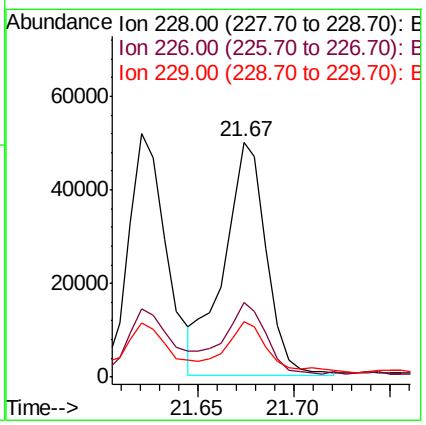


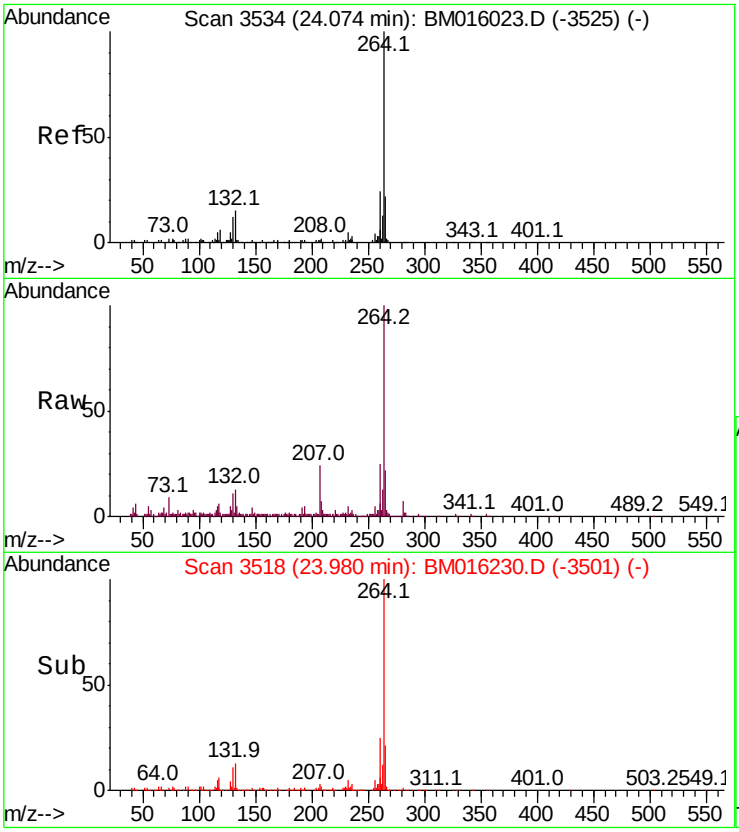


#82
Chrysene
Concen: 3.529 ng m
RT: 21.67 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:228 Resp: 77708

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.1	36.1
229	23.5	15.5	23.3#

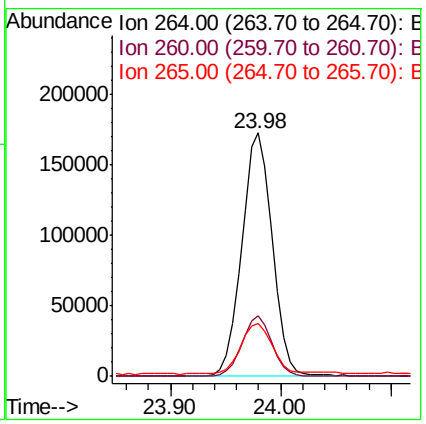




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:264 Resp: 335629

Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.6	27.8
265	22.0	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
Sohil
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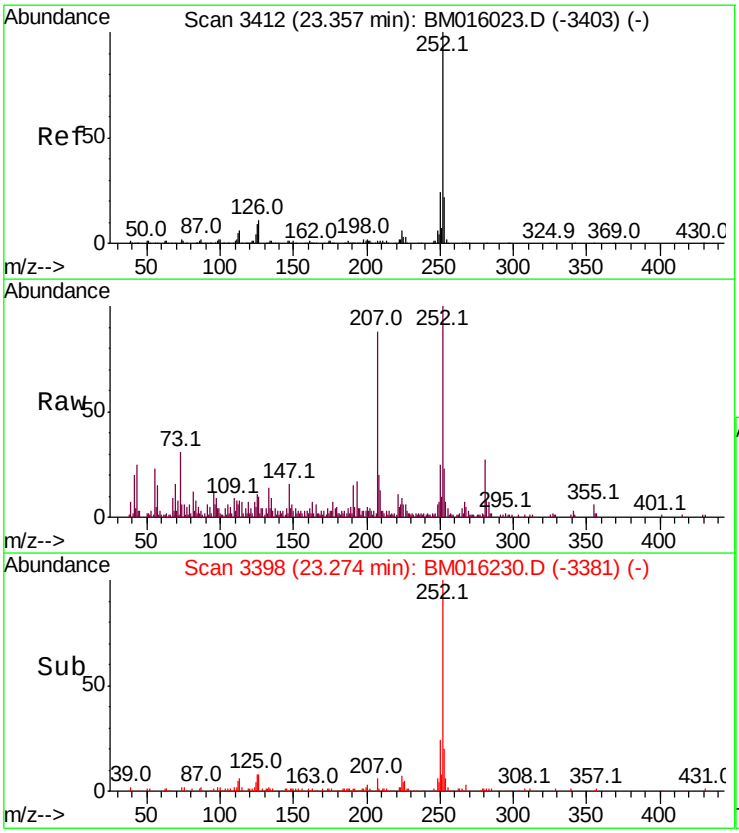
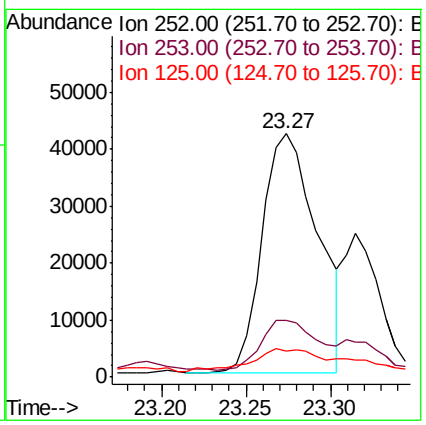
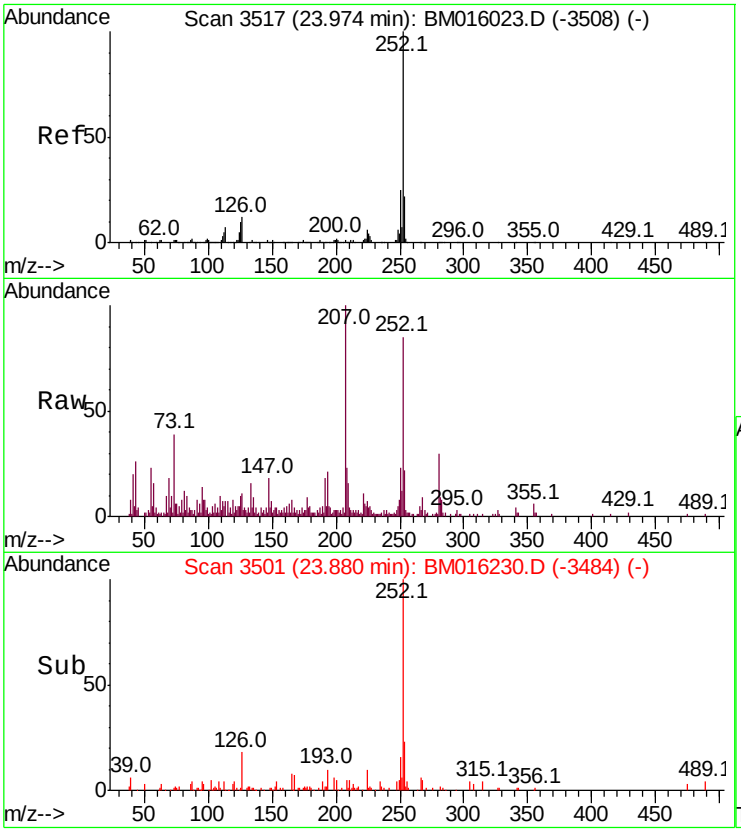


#87
Benzo(b)fluoranthene
Concen: 4.849 ng
RT: 23.27 min Scan# 3398
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:252 Resp: 95831

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	10.8	9.9	14.9

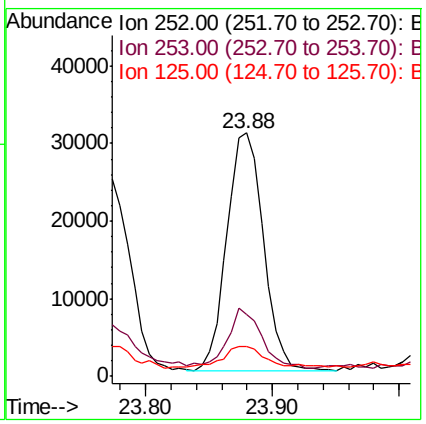




#89
Benzo(a)pyrene
Concen: 3.219 ng
RT: 23.88 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

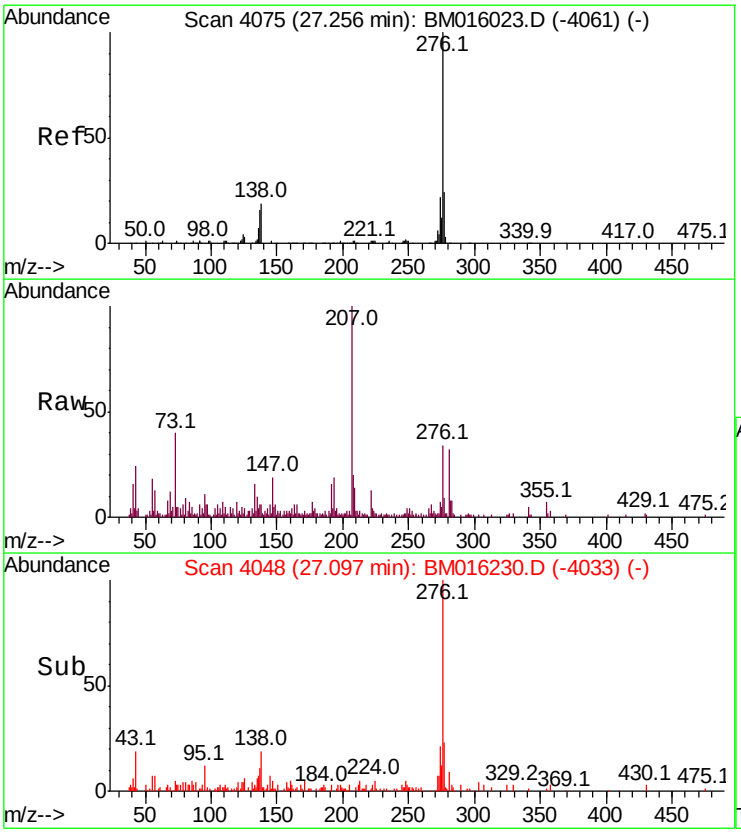
Tgt Ion:252 Resp: 61151

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.6	26.4
125	12.3	7.4	11.2#



Instrument :
BNA_M
ClientSampleId :
CINNAMINSON-8-3-18

Manual Integrations APPROVED
Sohil
8/8/2018 5:35:07 PM



#91
Benzo(g,h,i)perylene
Concen: 2.307 ng
RT: 27.10 min Scan# 4048
Delta R.T. -0.01 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:276 Resp: 42953

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	26.2	19.0	28.6