Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112521.D
Acq On : 12 Feb 2019 21:53
Operator : JU/SJ
Sample : K1343-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-021119-B

Manual Integrations APPROVED
Sohil
2/13/2019 11:12:26 AM

Quant Time: Feb 13 05:03:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	109307	20.00	ng		-0.01
21) Naphthalene-d8	8.12	136	396043	20.00	ng		-0.01
39) Acenaphthene-d10	9.87	164	162471	20.00	ng		-0.01
64) Phenanthrene-d10	11.36	188	274007	20.00	ng		0.00
76) Chrysene-d12	14.02	240	224323	20.00	ng		0.00
87) Perylene-d12	15.49	264	168282	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	179285	34.84	ng		-0.01
7) Phenol-d6	6.49	99	223055	31.19	ng		0.00
23) Nitrobenzene-d5	7.40	82	132387	19.26	ng		-0.01
42) 2,4,6-Tribromophenol	10.67	330	44893	23.74	ng		-0.01
45) 2-Fluorobiphenyl	9.19	172	246783	21.48	ng		-0.01
79) Terphenyl-d14	12.94	244	216032	18.14	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.39	178	33579	2.357	ng		97
75) Fluoranthene	12.58	202	65363	4.278	ng		98
78) Pyrene	12.82	202	58037	3.737	ng		99
81) Benzo(a)anthracene	14.00	228	28250	2.142	ng	#	96
88) Benzo(b)fluoranthene	15.06	252	24084m	2.393	ng		
90) Benzo(a)pyrene	15.43	252	20770	2.294	ng	#	70
92) Benzo(g,h,i)perylene	17.46	276	15065	2.188	ng	#	76

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

Quantitation Report (LSC Reviewed)

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Data File : BF112521.D
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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

Manual Integrations APPROVED
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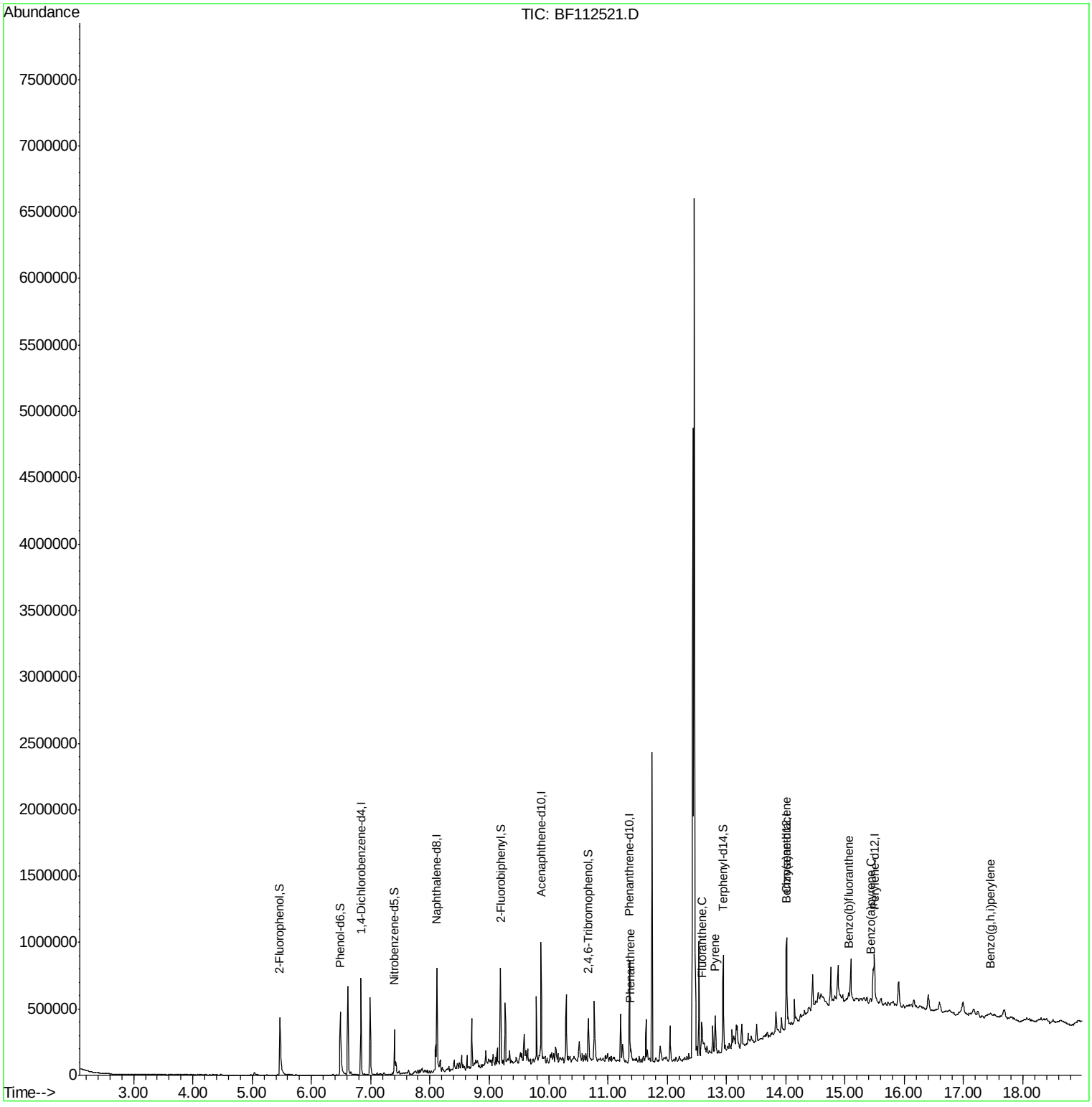
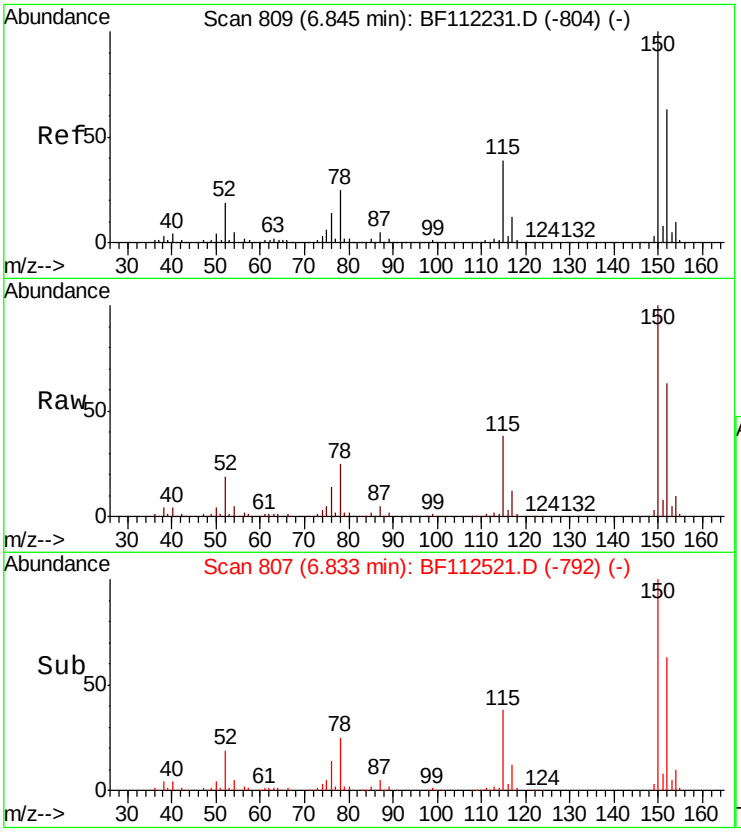
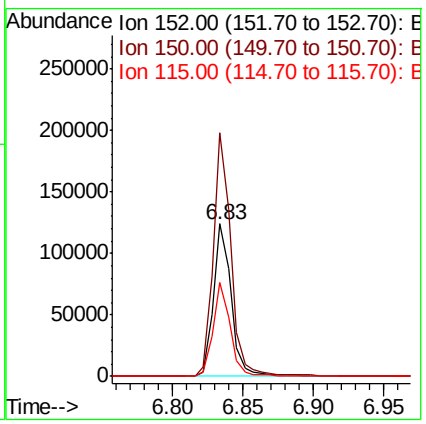




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:152 Resp: 109307

Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.0
115	61.2	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

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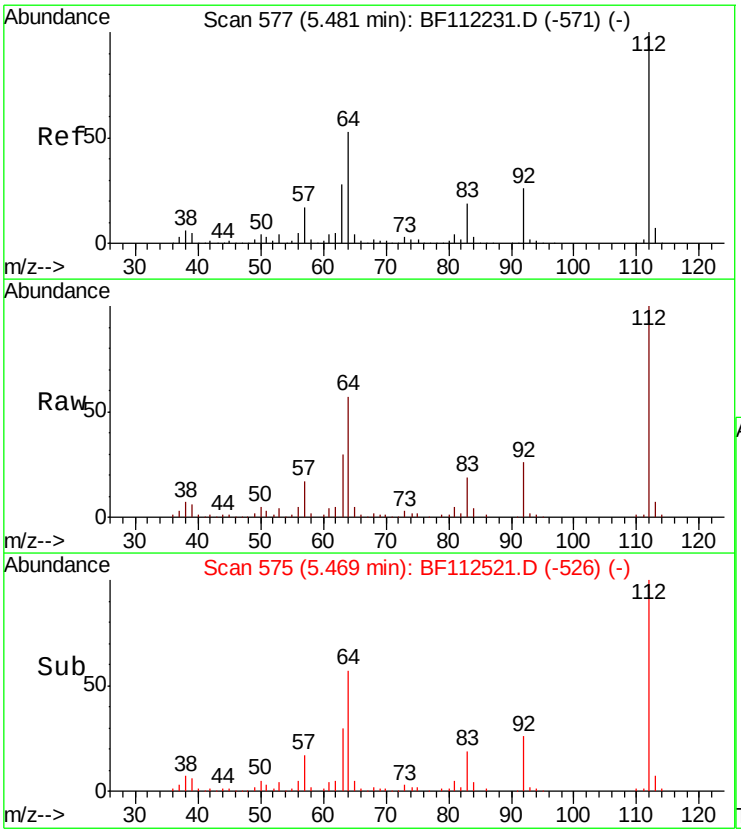
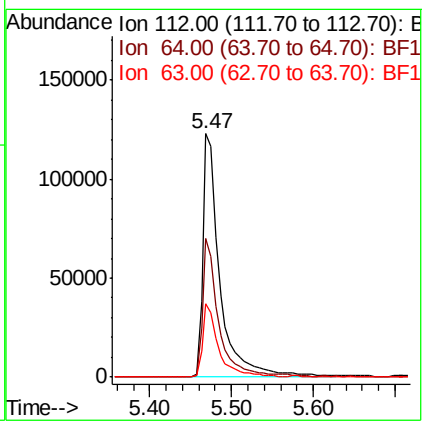
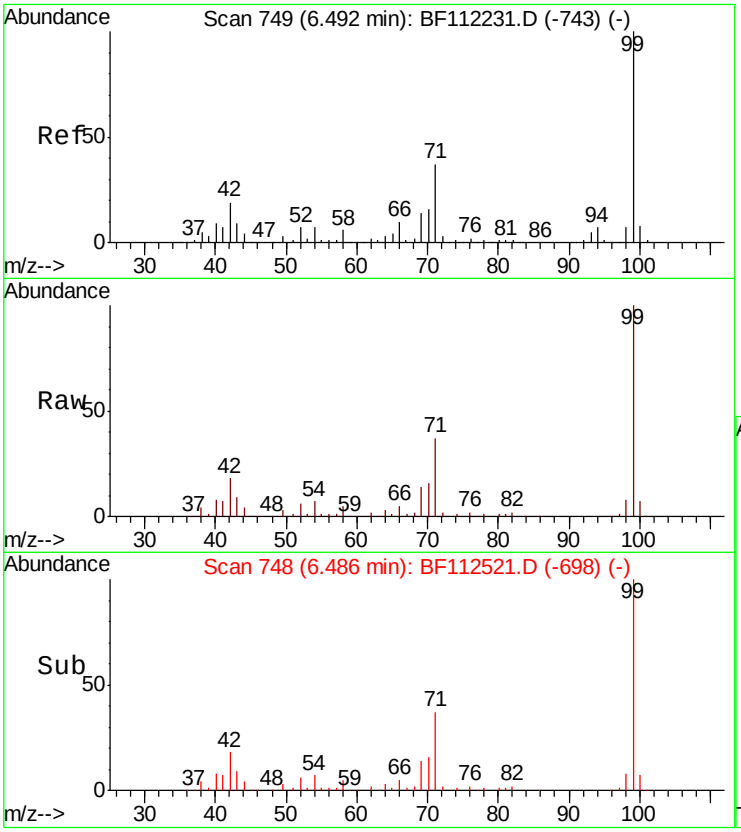


#5
2-Fluorophenol
Concen: 34.839 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:112 Resp: 179285

Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.7	68.5
63	30.3	23.6	35.4

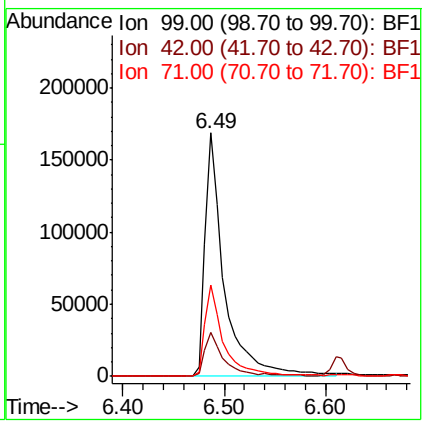




#7
Phenol-d6
Concen: 31.193 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion: 99 Resp: 223055

Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.1	22.7
71	37.3	26.9	40.3



Instrument :
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ClientSampleId :
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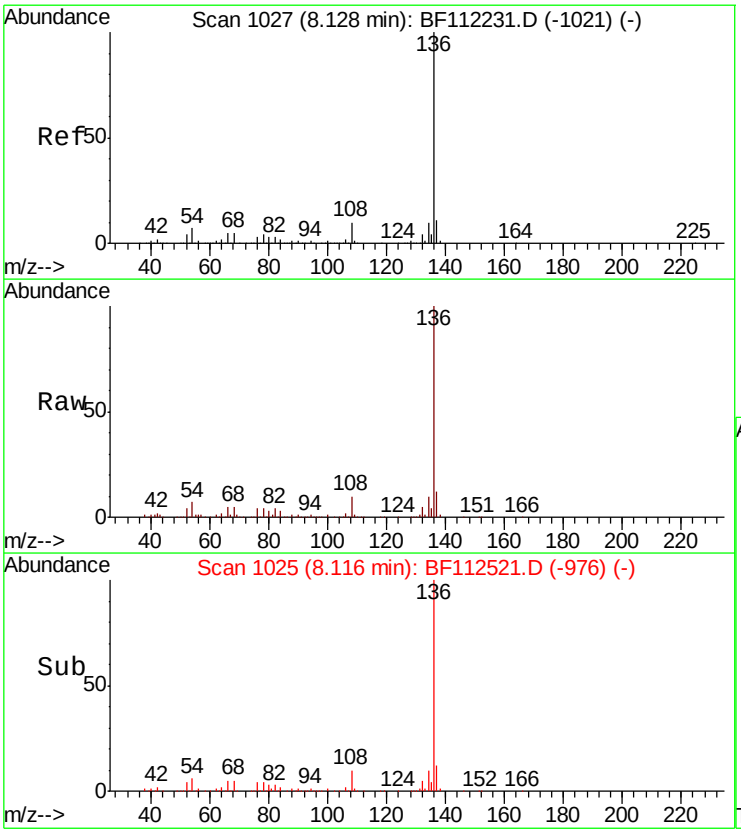
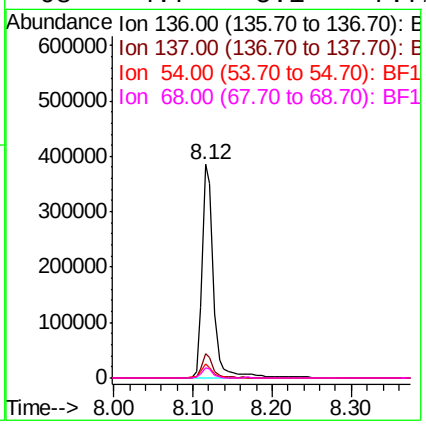
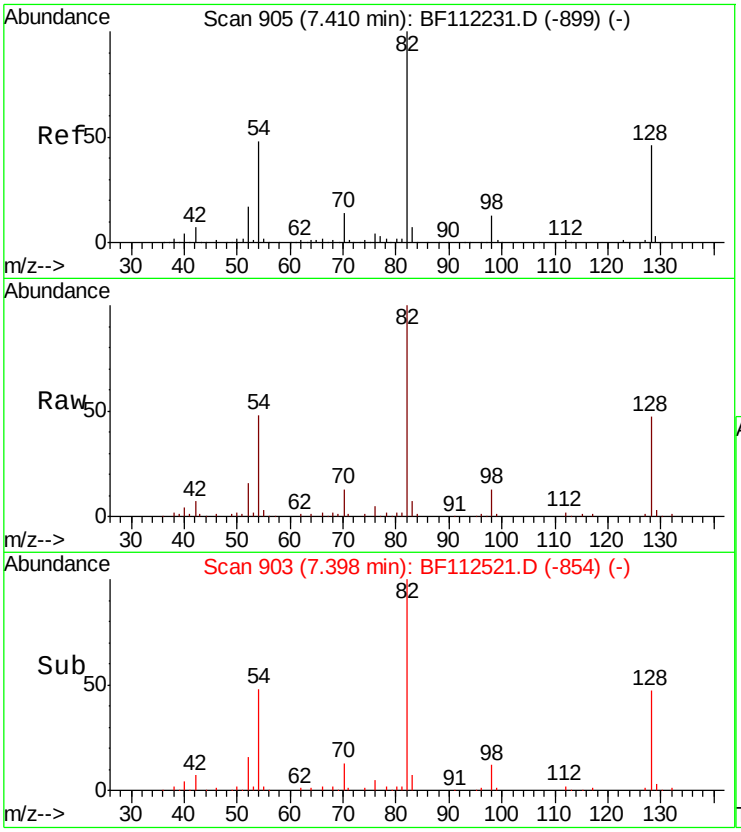


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:136 Resp: 396043

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.6	5.9	8.9
68	4.7	5.1	7.7#

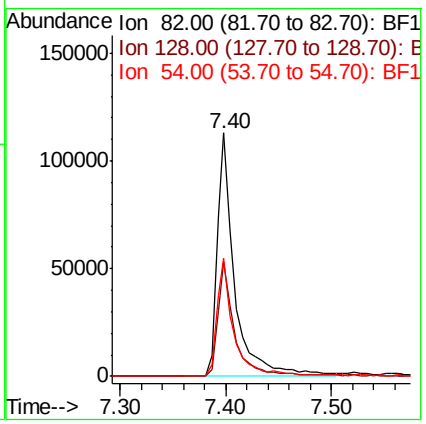




#23
Nitrobenzene-d5
Concen: 19.261 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion: 82 Resp: 132387

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.8	56.8
54	48.3	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

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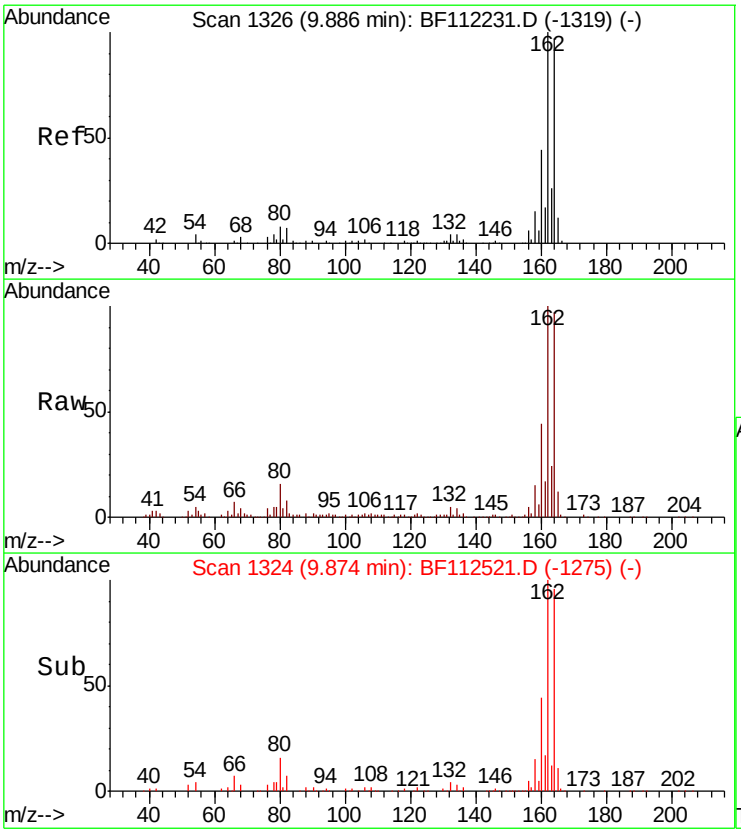
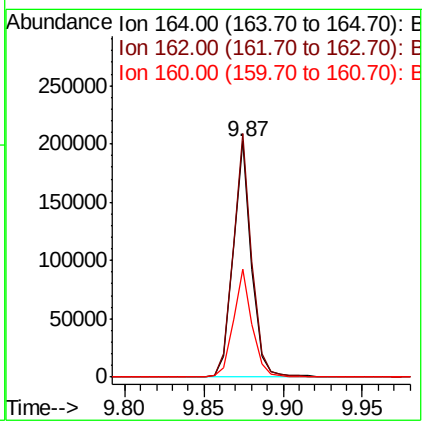
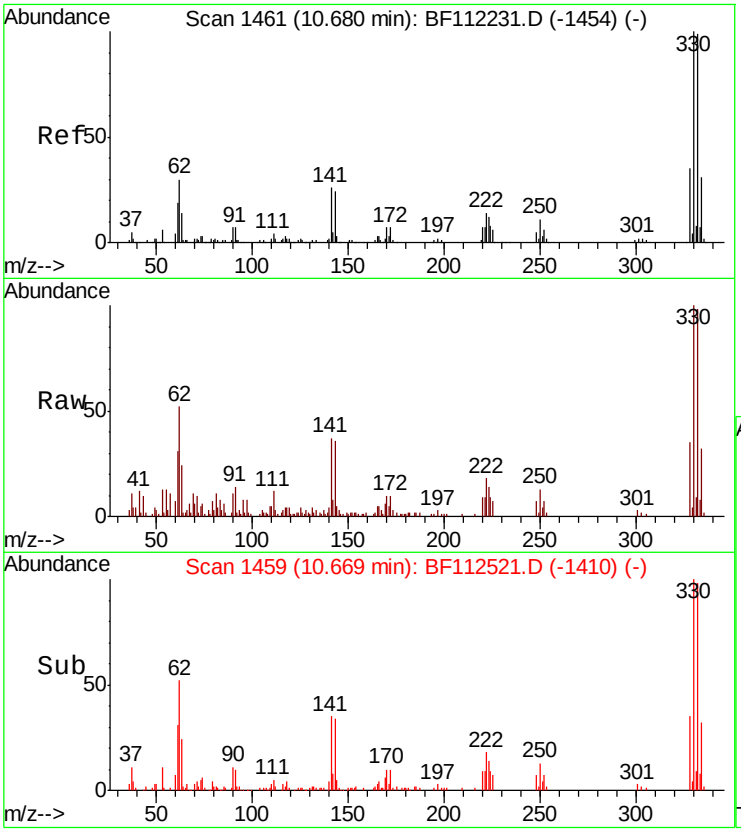


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:164 Resp: 162471

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.4
160	45.7	36.2	54.4

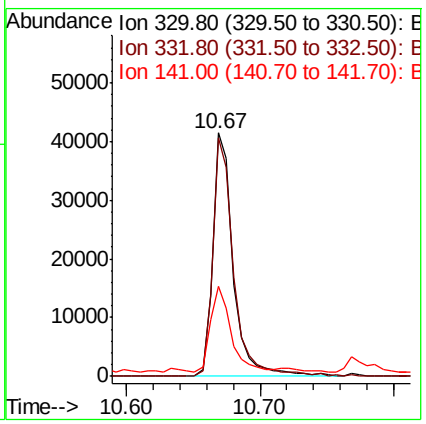




#42
2,4,6-Tribromophenol
Concen: 23.739 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:330 Resp: 44893

Ion	Ratio	Lower	Upper
330	100		
332	99.5	76.6	114.8
141	35.7	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

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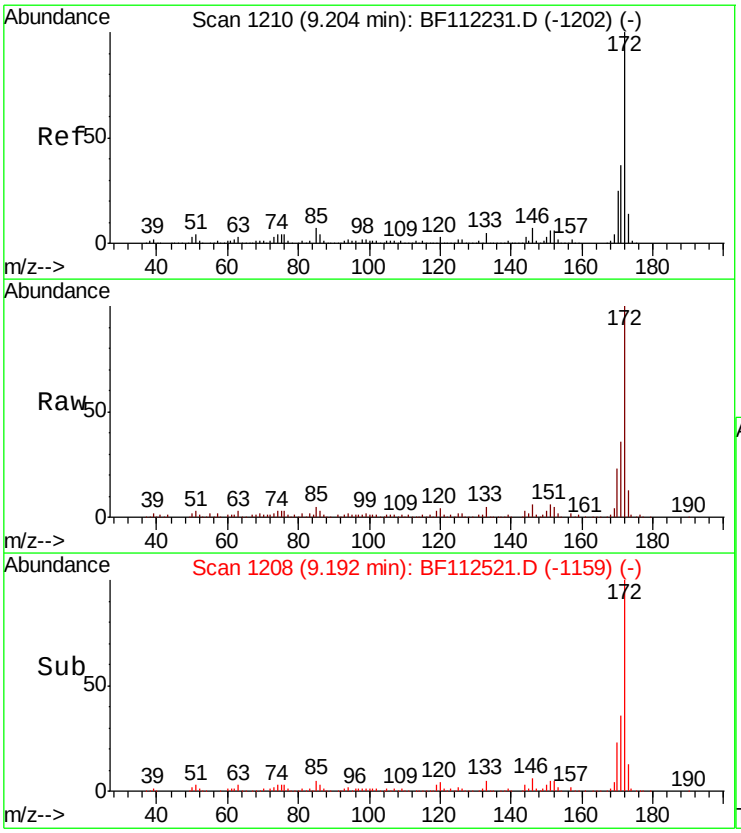
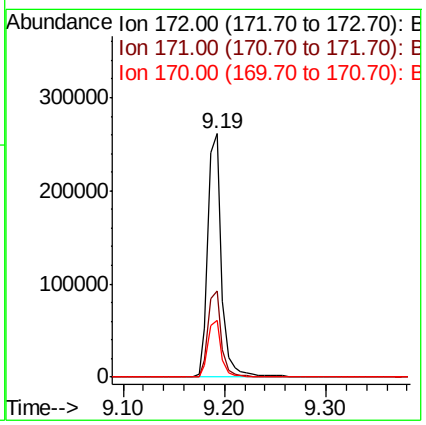
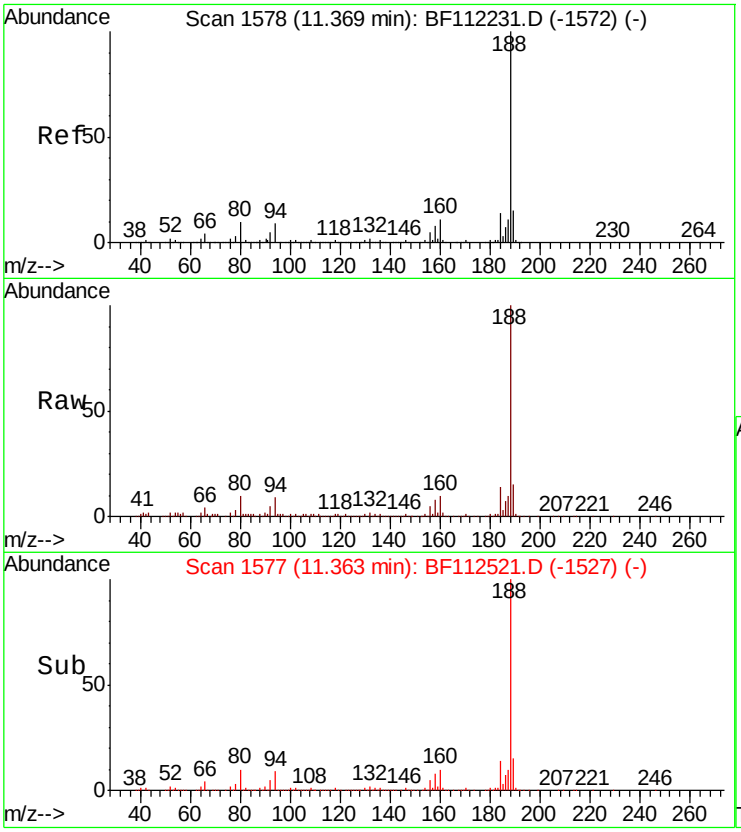


#45
2-Fluorobiphenyl
Concen: 21.483 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:172 Resp: 246783

Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.5	45.7
170	23.5	20.2	30.4

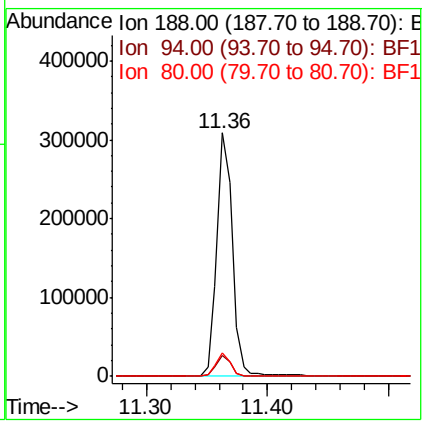




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:188 Resp: 274007

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.8	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

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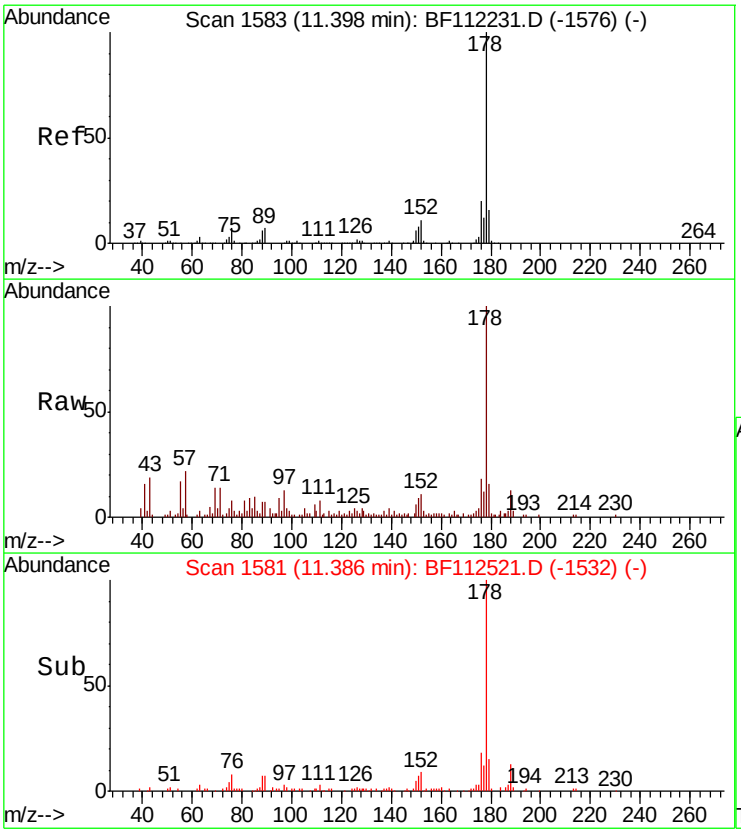
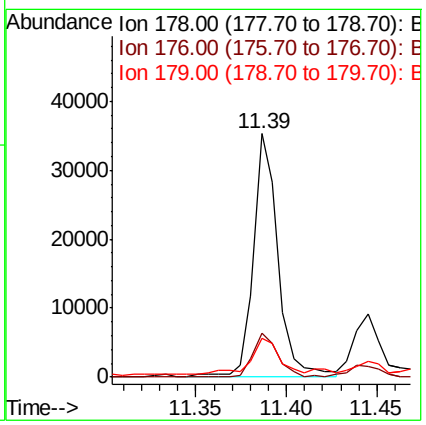
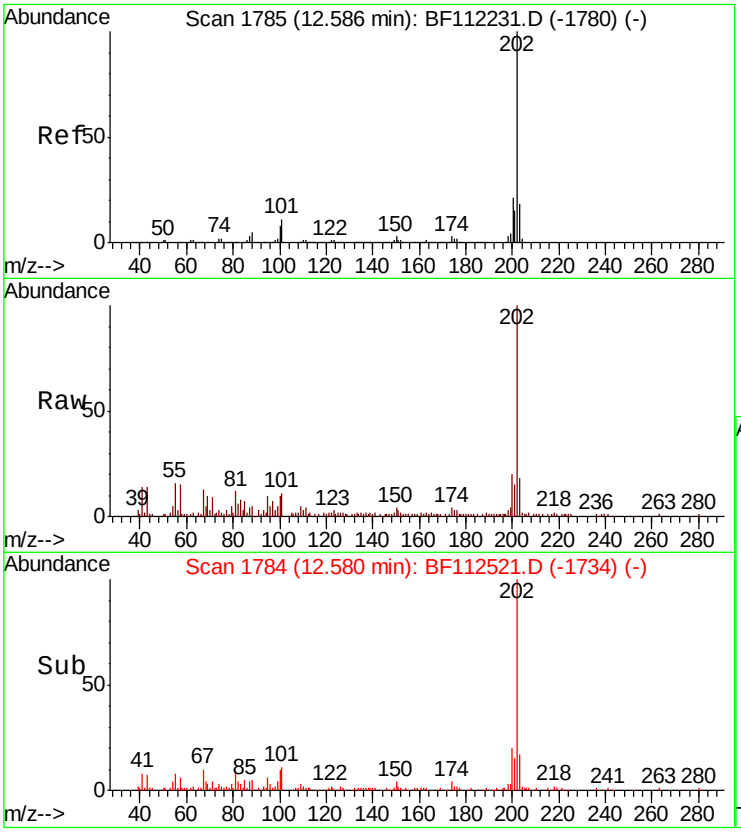


#71
Phenanthrene
Concen: 2.357 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:178 Resp: 33579

Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.3	24.5
179	15.8	13.0	19.4

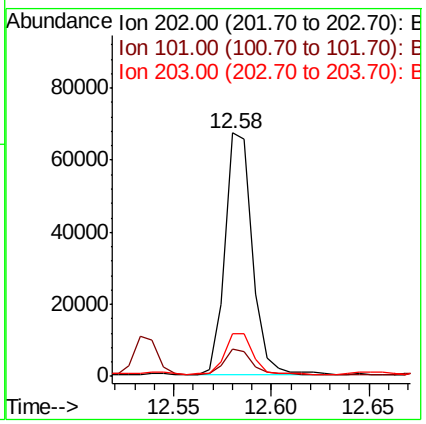




#75
Fluoranthene
Concen: 4.278 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:202 Resp: 65363

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.8
203	17.6	0.0	38.4



Instrument :
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ClientSampleId :
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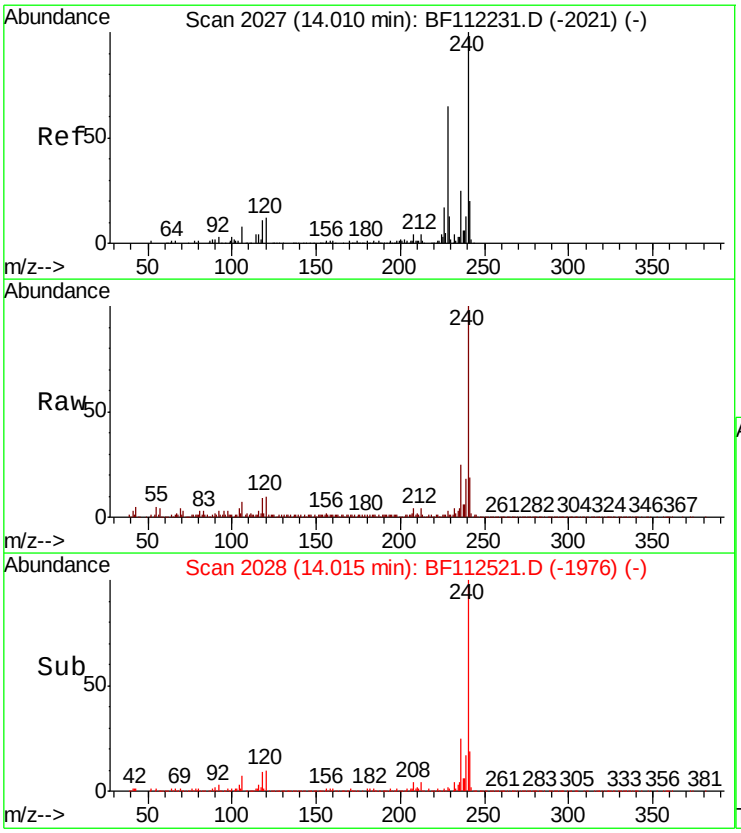
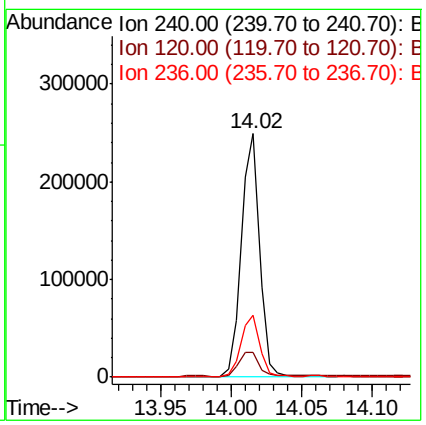
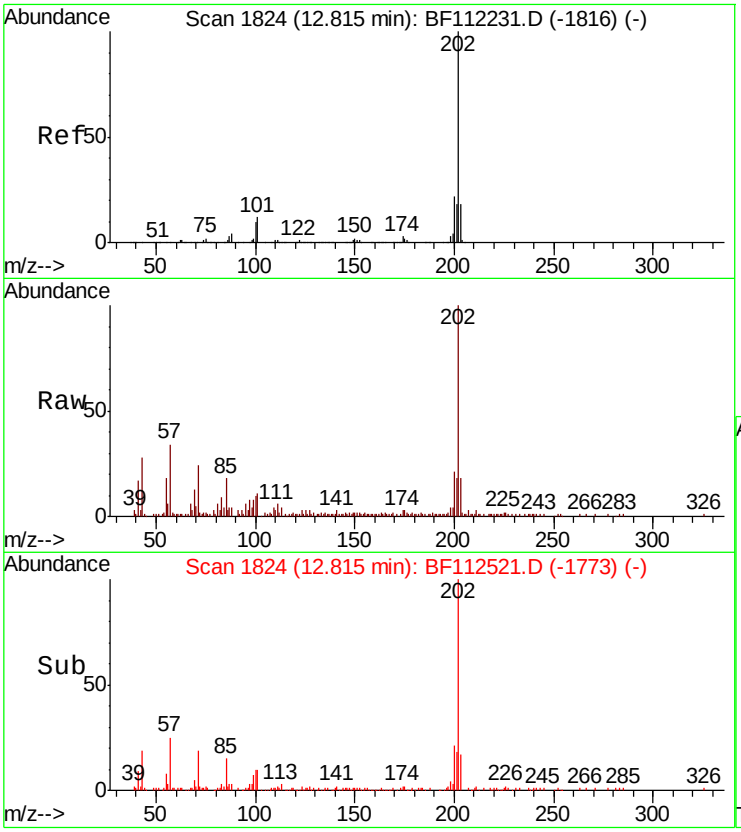


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:240 Resp: 224323

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.0	13.6
236	25.4	20.7	31.1

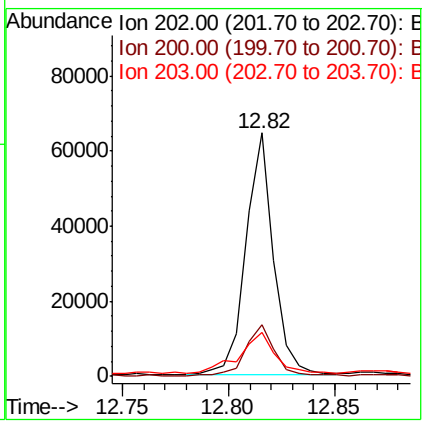




#78
Pyrene
Concen: 3.737 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:202 Resp: 58037

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.7	26.5
203	18.1	14.6	22.0



Instrument :
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ClientSampleId :
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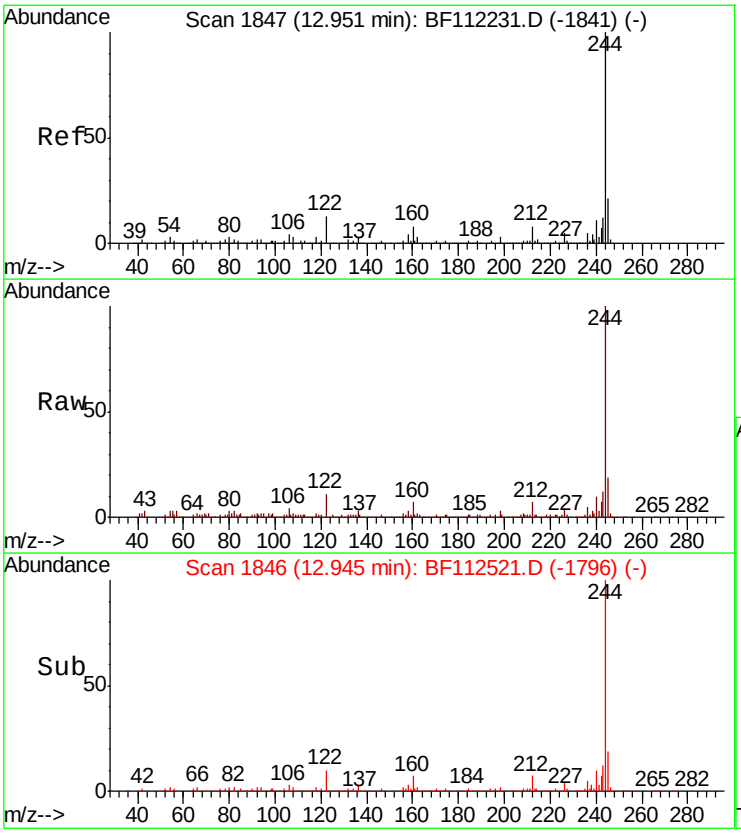
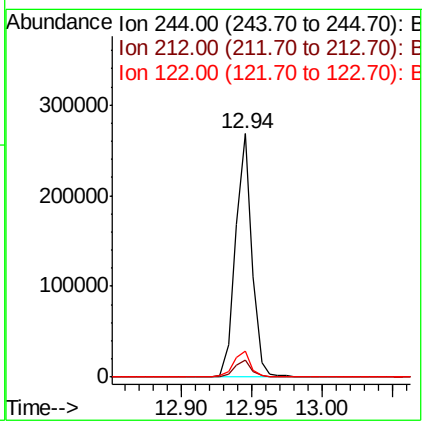
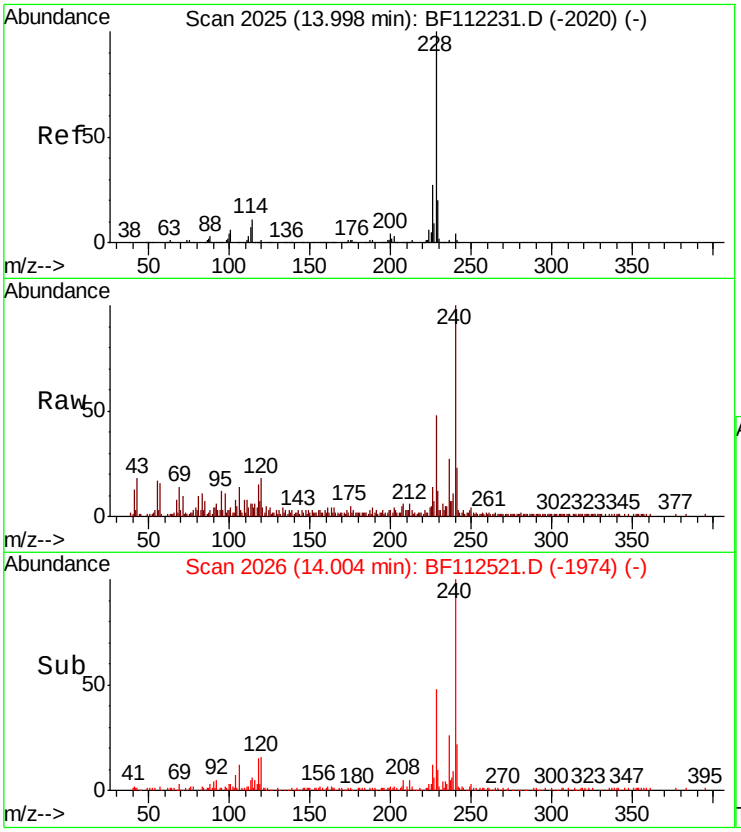


#79
Terphenyl-d14
Concen: 18.138 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:244 Resp: 216032

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.6	9.8	14.6





#81
Benzo(a)anthracene
Concen: 2.142 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:228 Resp: 28250

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	25.1	16.5	24.7#

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

Manual Integrations APPROVED
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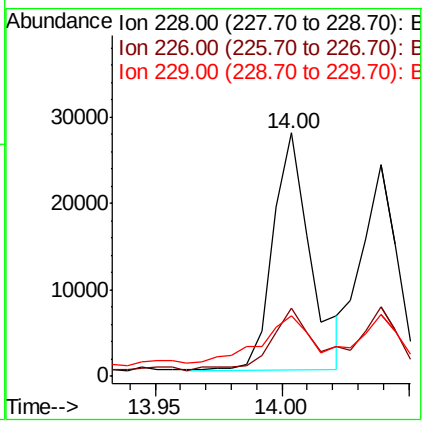
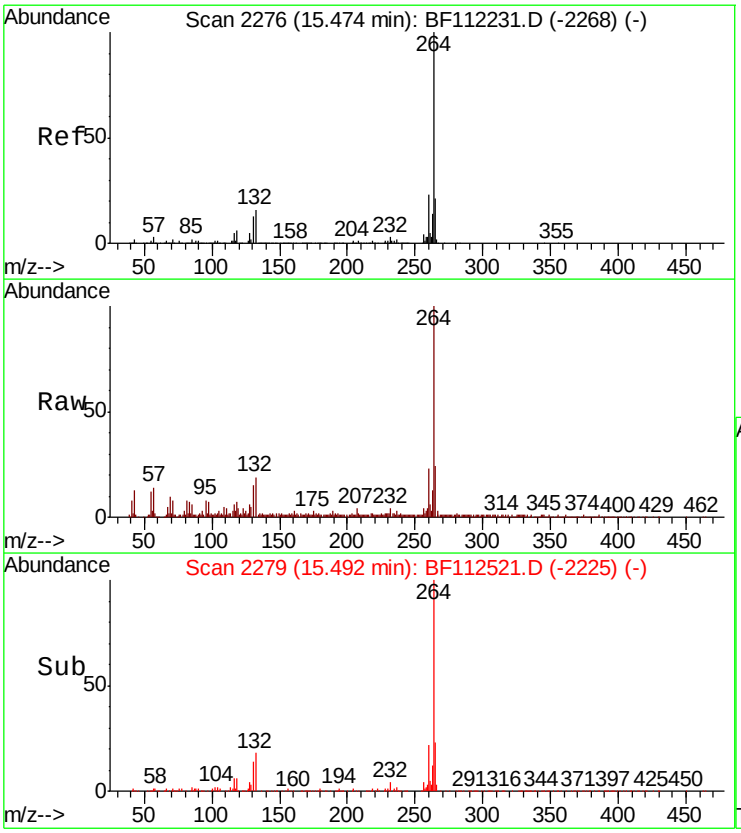
2/13/2019 11:12:26 AM

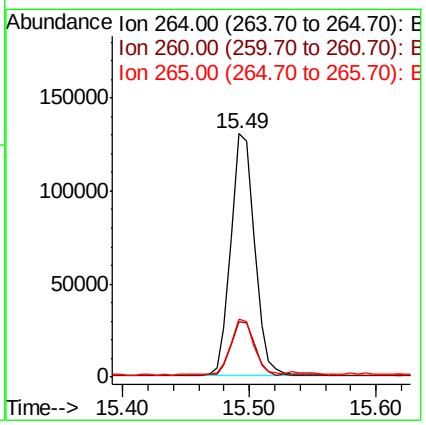


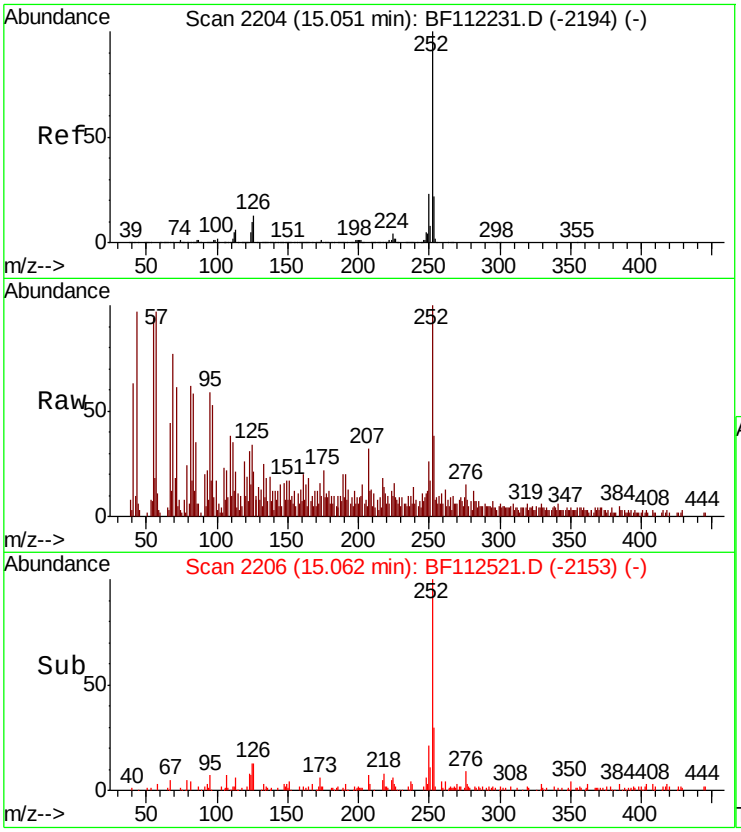


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:264 Resp: 168282

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	23.9	17.0	25.4





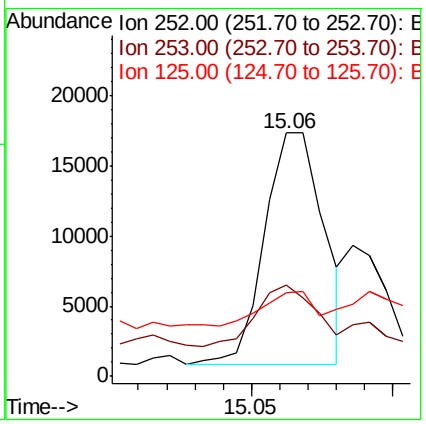
#88
Benzo(b)fluoranthene
Concen: 2.393 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

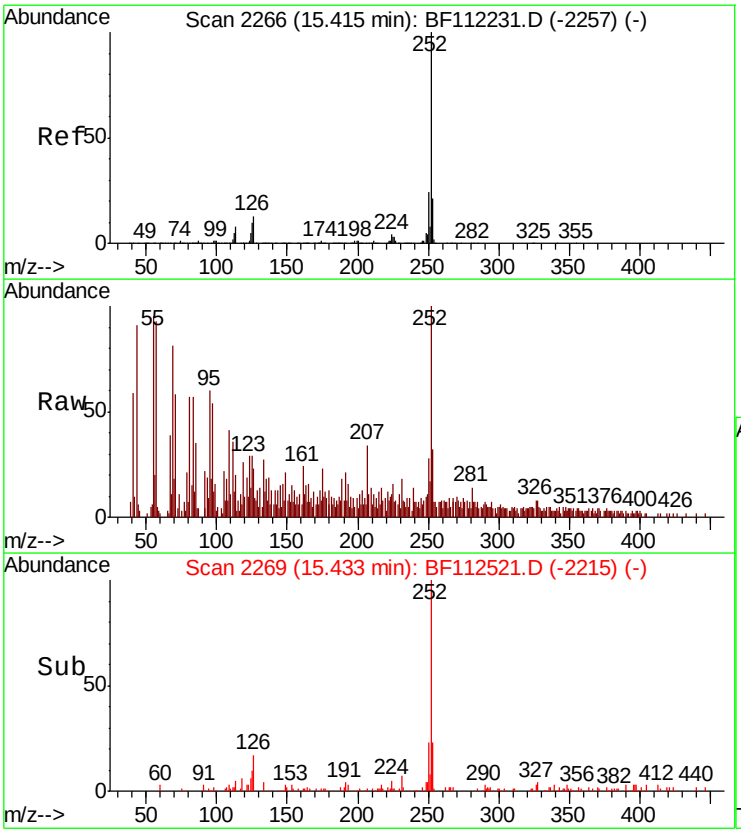
Tgt Ion:252 Resp: 24084

Ion	Ratio	Lower	Upper
252	100		
253	37.6	18.0	27.0#
125	34.1	8.7	13.1#

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

Manual Integrations APPROVED
Sohil
2/13/2019 11:12:26 AM

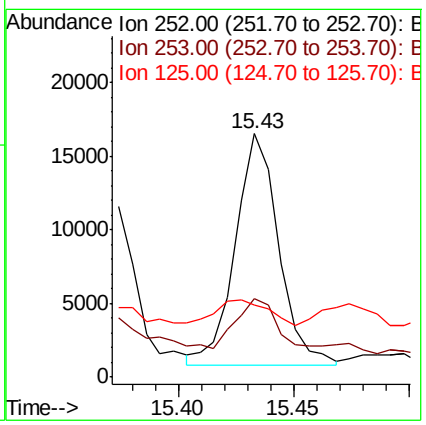


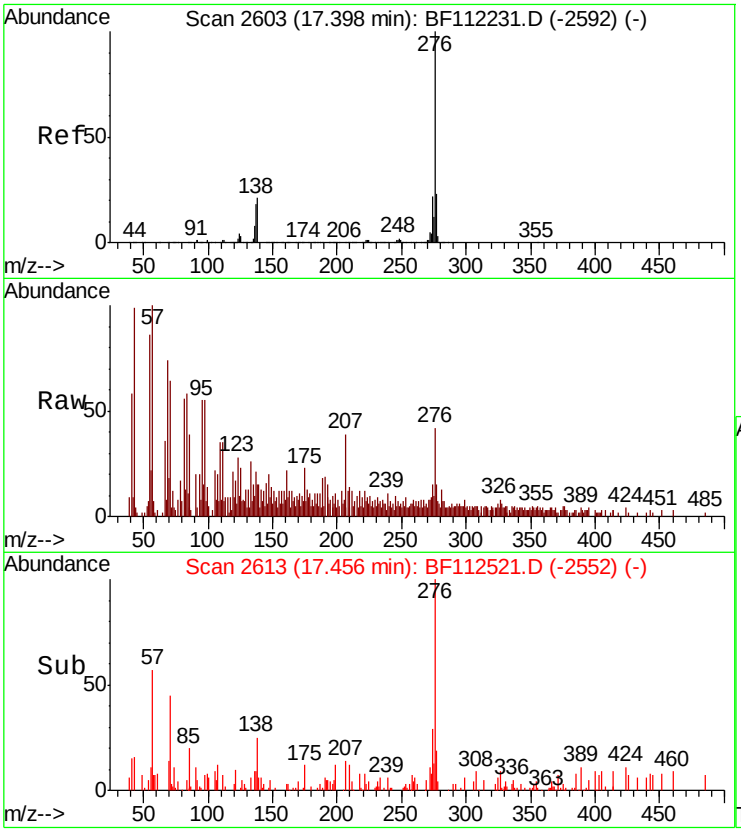


#90
Benzo(a)pyrene
Concen: 2.294 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:252 Resp: 20770

Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.5	26.3#
125	29.4	9.0	13.4#

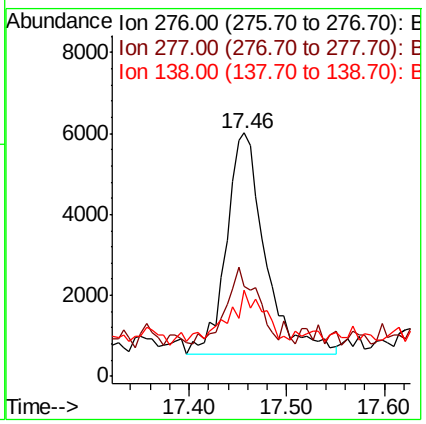




#92
Benzo(g,h,i)perylene
Concen: 2.188 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.06 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:276 Resp: 15065

Ion	Ratio	Lower	Upper
276	100		
277	36.8	19.4	29.0#
138	35.4	19.1	28.7#



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

Manual Integrations APPROVED
Sohil
2/13/2019 11:12:26 AM