Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
Sample : K1346-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-020419-A

Manual Integrations APPROVED
mohammad
2/6/2019 9:16:00 AM

Quant Time: Feb 06 00:32:00 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	185112	20.00	ng		-0.01
21) Naphthalene-d8	8.12	136	704497	20.00	ng		-0.01
39) Acenaphthene-d10	9.87	164	301815	20.00	ng		-0.02
64) Phenanthrene-d10	11.36	188	479764	20.00	ng		-0.01
76) Chrysene-d12	14.00	240	349476	20.00	ng		-0.01
87) Perylene-d12	15.47	264	273869	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	313382	35.96	ng		-0.02
7) Phenol-d6	6.47	99	394073	32.54	ng		-0.02
23) Nitrobenzene-d5	7.39	82	224890	18.39	ng		-0.02
42) 2,4,6-Tribromophenol	10.66	330	87782	24.99	ng		-0.02
45) 2-Fluorobiphenyl	9.19	172	463121	21.70	ng		-0.02
79) Terphenyl-d14	12.93	244	339007	18.27	ng		-0.02
Target Compounds							Qvalue
58) Fluorene	10.42	166	55484	2.708	ng		100
71) Phenanthrene	11.38	178	357768	14.344	ng		97
72) Anthracene	11.43	178	121264	4.881	ng		96
75) Fluoranthene	12.57	202	510543	19.084	ng		96
78) Pyrene	12.80	202	390902	16.156	ng		98
81) Benzo(a)anthracene	13.99	228	182853	8.901	ng		99
83) Chrysene	14.03	228	158722	8.094	ng		95
86) Indeno(1,2,3-cd)pyrene	16.95	276	58310	3.753	ng		93
88) Benzo(b)fluoranthene	15.04	252	179788m	10.977	ng		
89) Benzo(k)fluoranthene	15.07	252	48491m	3.091	ng		
90) Benzo(a)pyrene	15.41	252	106822	7.248	ng	#	96
92) Benzo(g,h,i)perylene	17.40	276	52224	4.660	ng		97

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

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Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

Manual Integrations APPROVED
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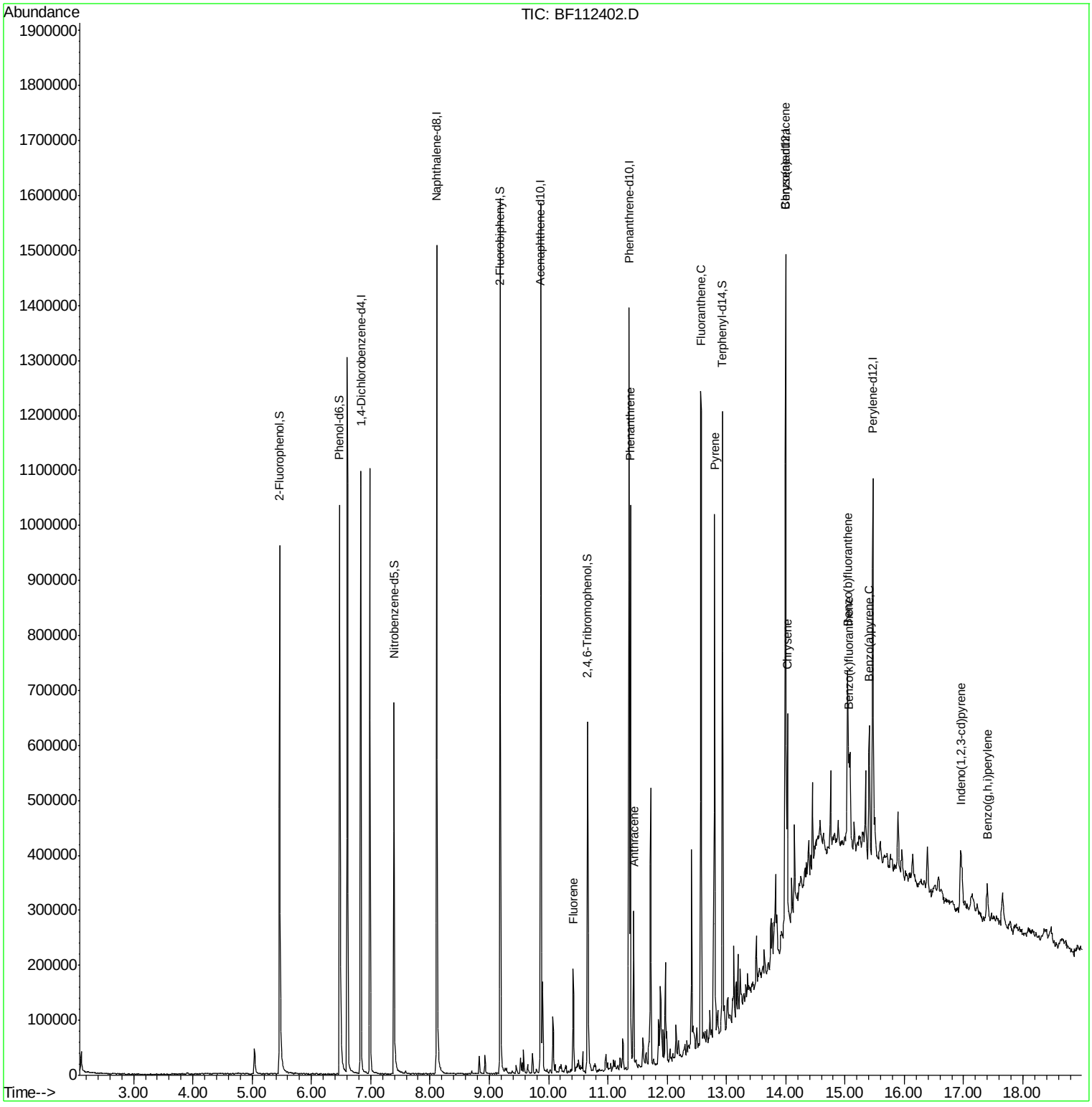
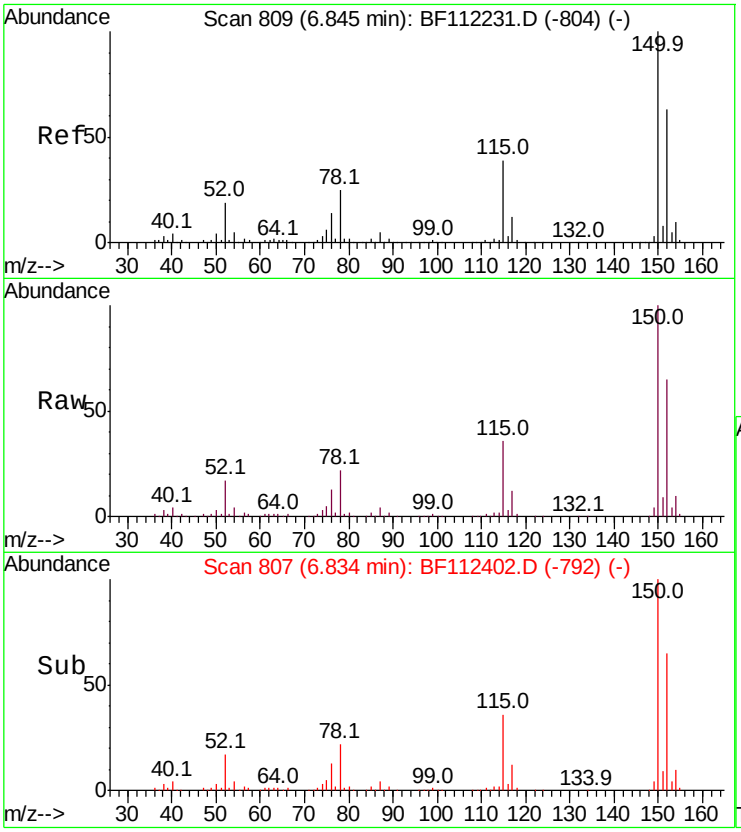
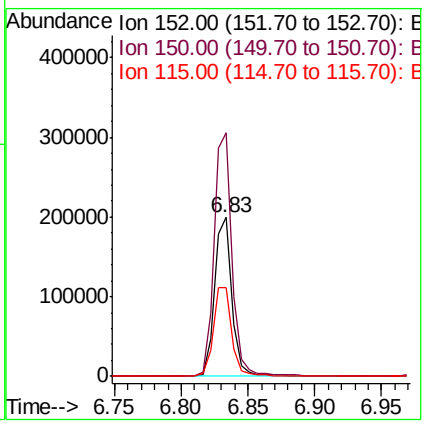




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:152 Resp: 185112

Ion	Ratio	Lower	Upper
152	100		
150	153.3	127.4	191.0
115	55.8	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

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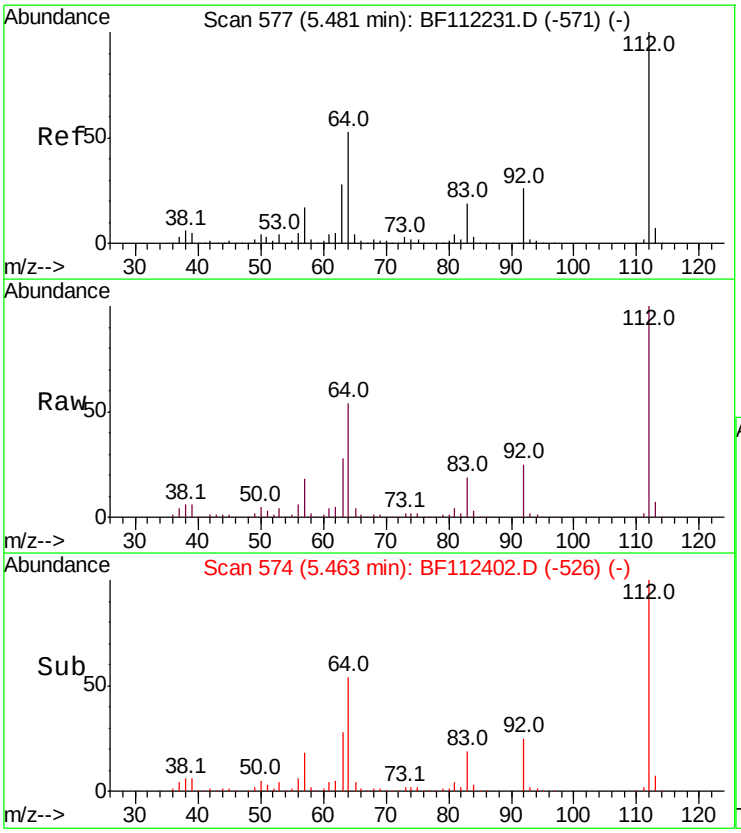
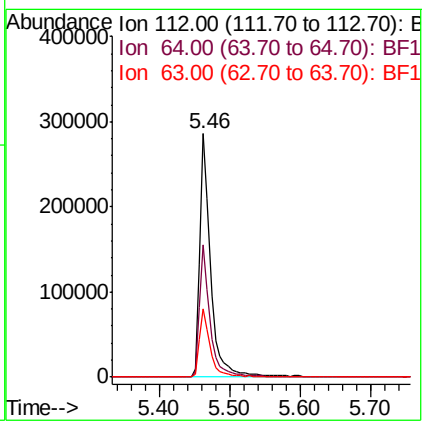
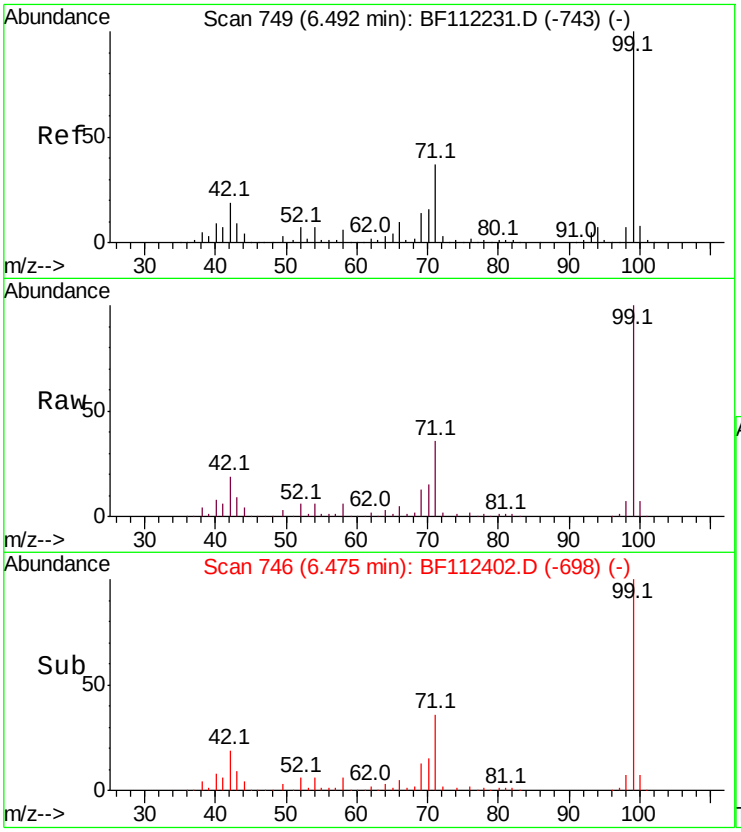


#5
2-Fluorophenol
Concen: 35.959 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:112 Resp: 313382

Ion	Ratio	Lower	Upper
112	100		
64	54.1	45.7	68.5
63	28.2	23.6	35.4

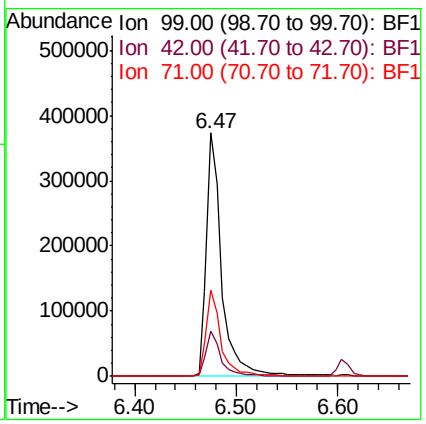




#7
Phenol-d6
Concen: 32.541 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion: 99 Resp: 394073

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.1	22.7
71	35.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

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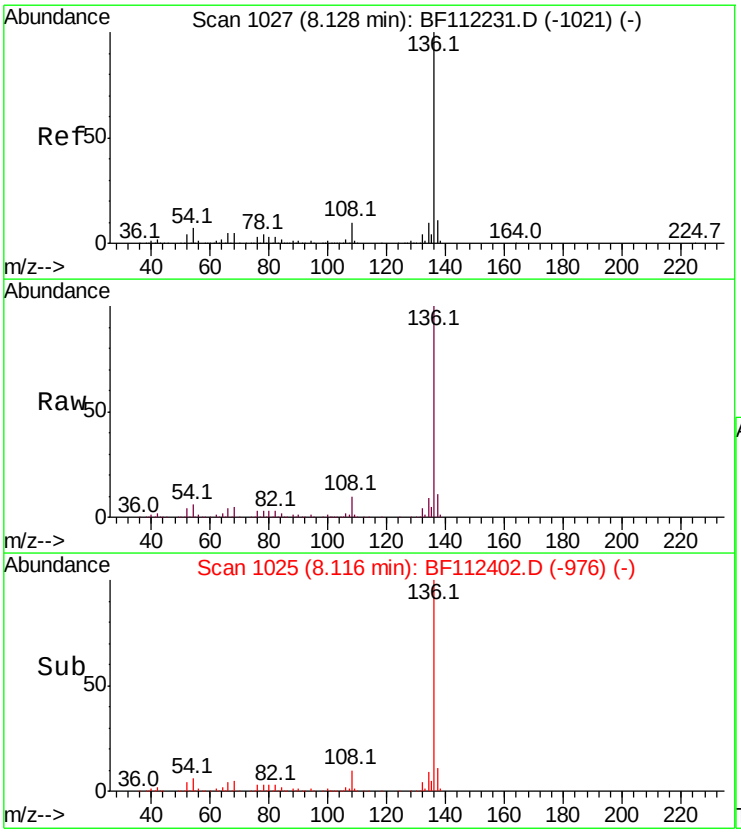
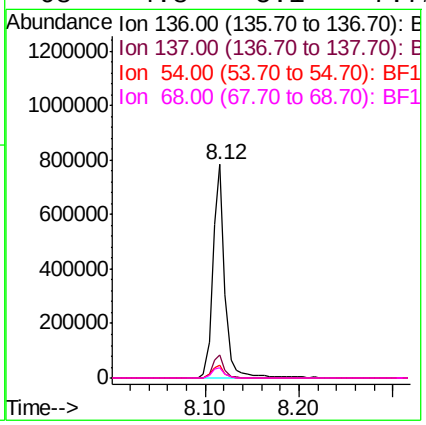
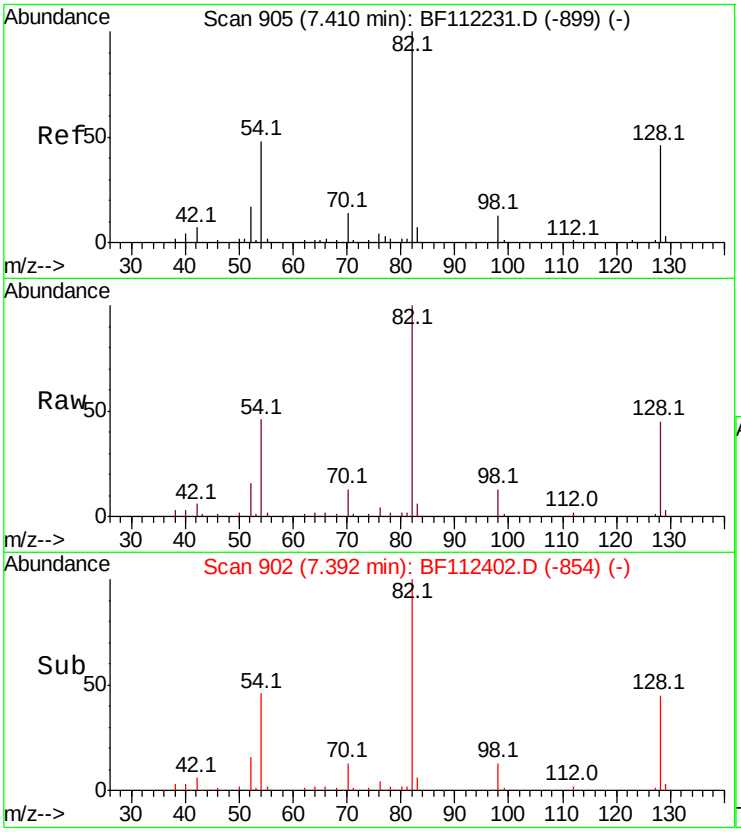


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:136 Resp: 704497

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.8	5.9	8.9#
68	4.8	5.1	7.7#

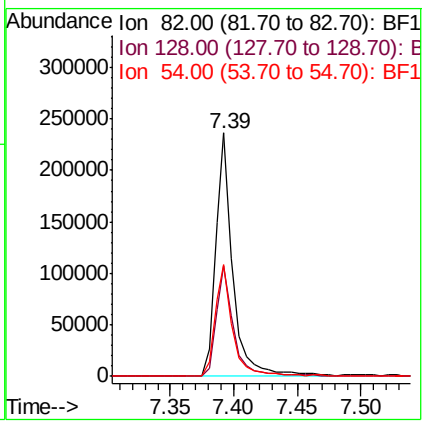




#23
Nitrobenzene-d5
Concen: 18.393 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion: 82 Resp: 224890

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.8	56.8
54	45.8	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

Manual Integrations APPROVED
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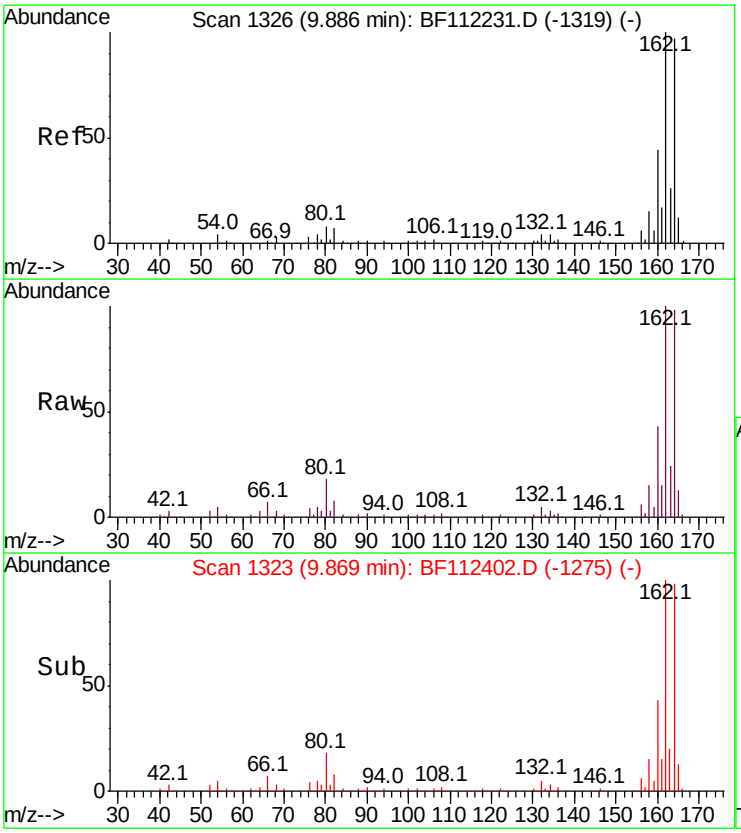
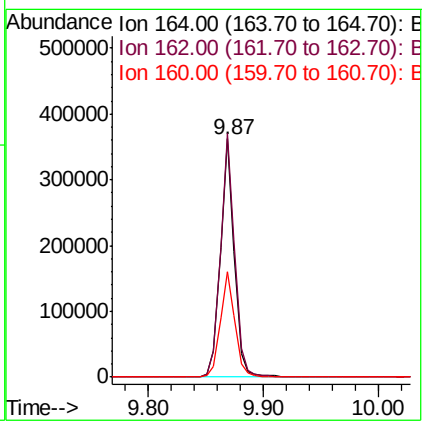
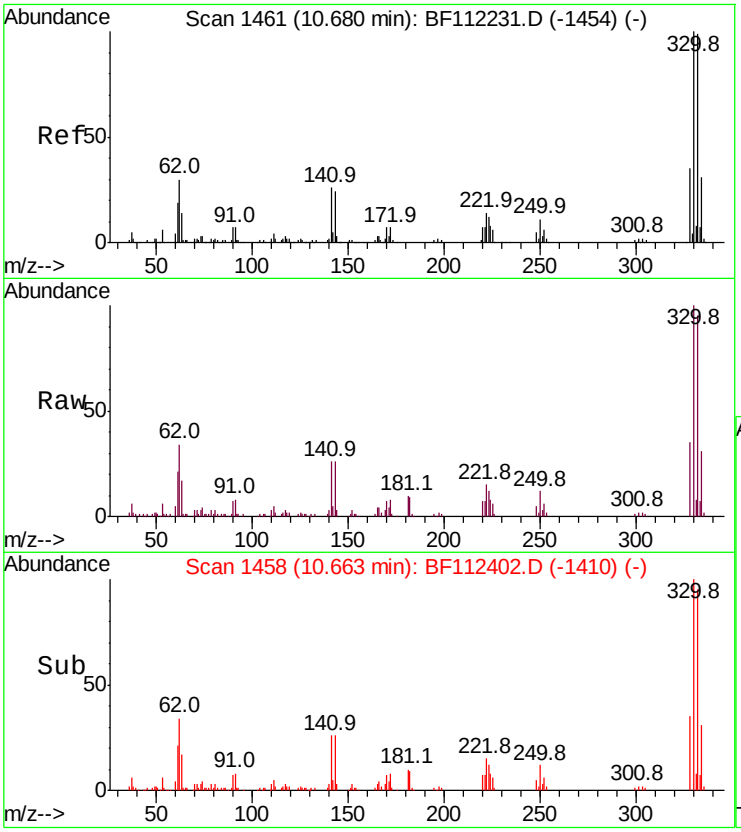


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:164 Resp: 301815

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.4
160	44.3	36.2	54.4

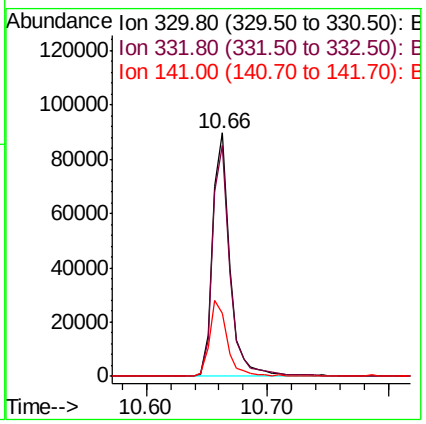




#42
2,4,6-Tribromophenol
Concen: 24.987 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:330 Resp: 87782

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	31.7	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

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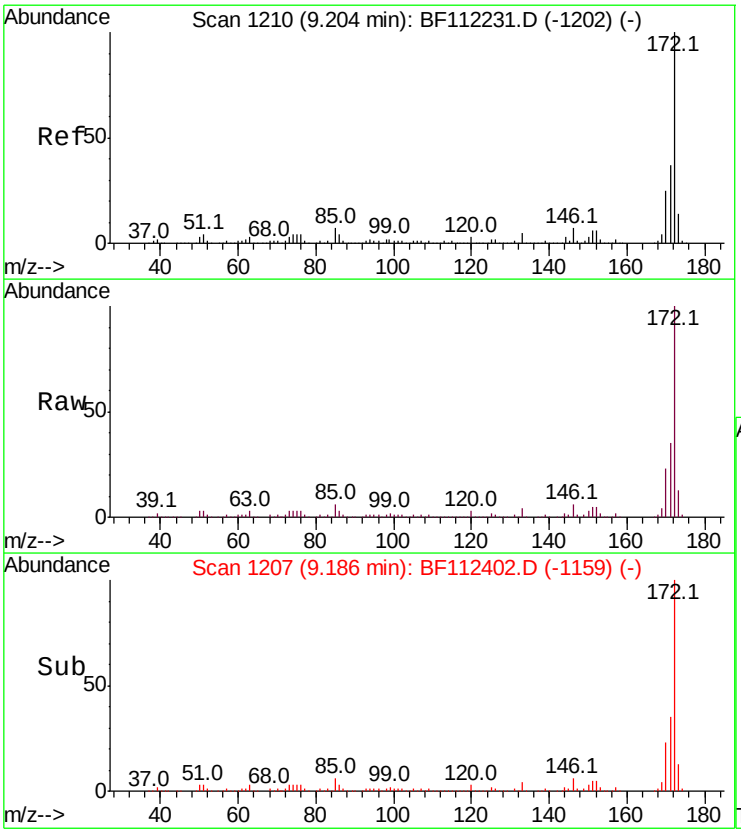
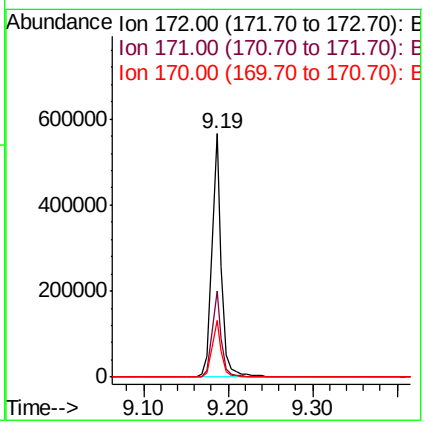
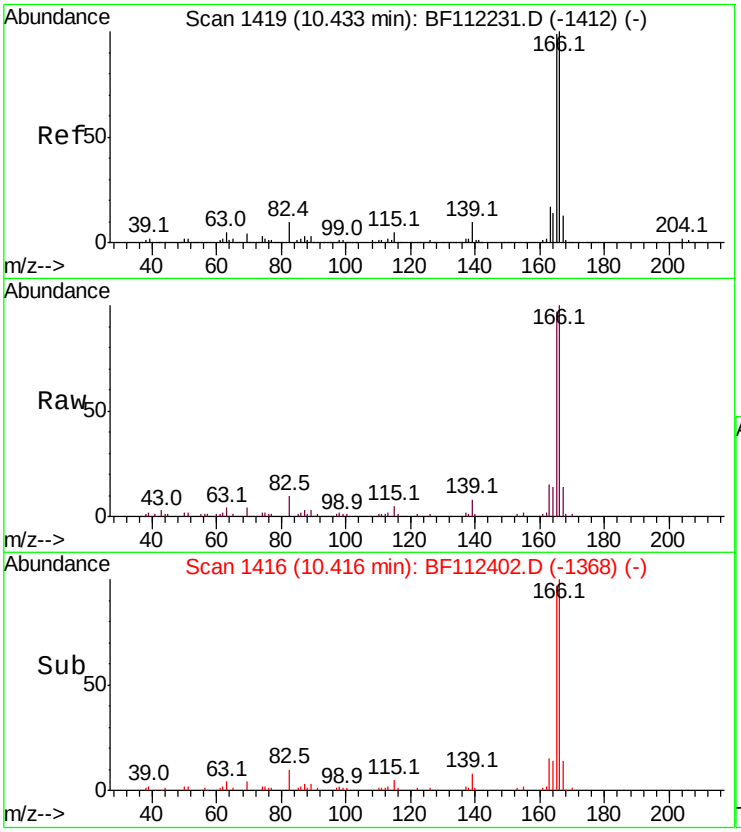


#45
2-Fluorobiphenyl
Concen: 21.702 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:172 Resp: 463121

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.5	45.7
170	23.3	20.2	30.4

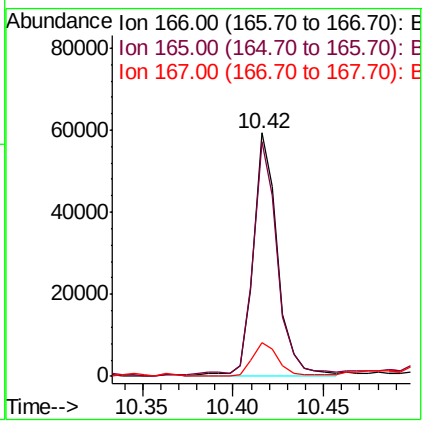




#58
Fluorene
Concen: 2.708 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:166 Resp: 55484

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.1	115.7
167	13.9	11.3	16.9



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ClientSampleId :
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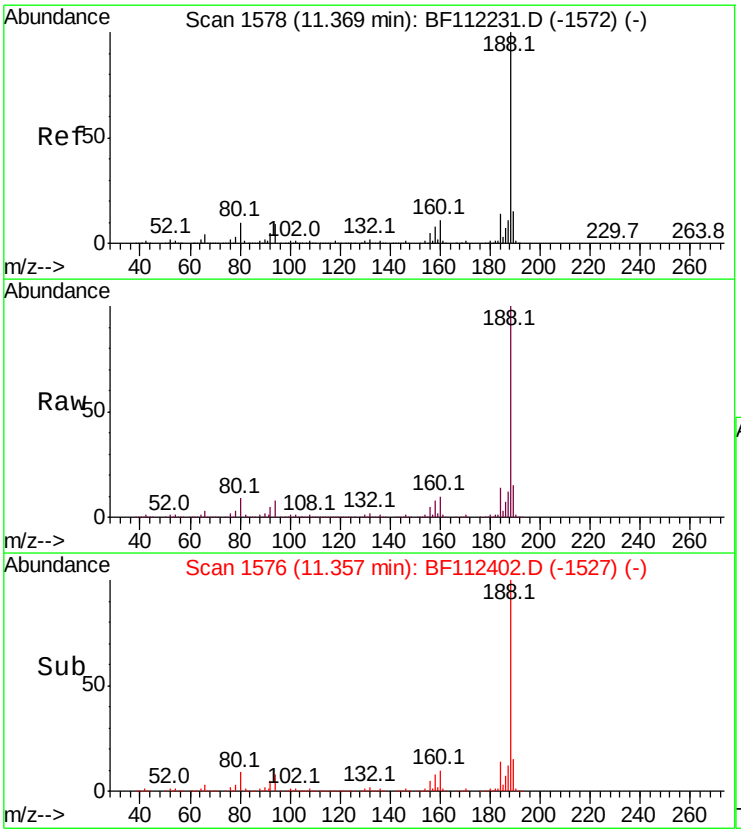
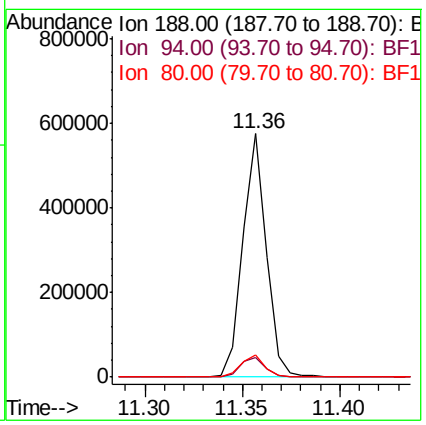
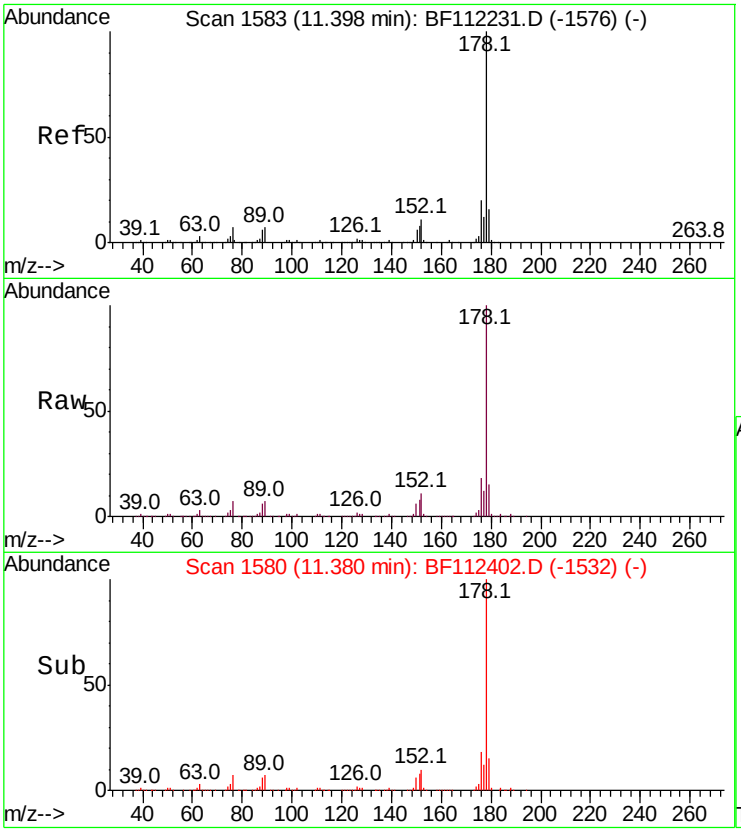


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:188 Resp: 479764

Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.2	12.2
80	9.0	8.9	13.3

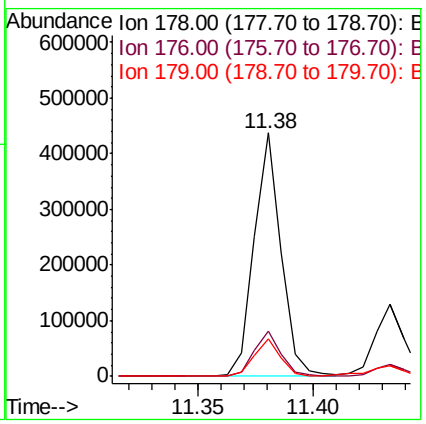




#71
Phenanthrene
Concen: 14.344 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:178 Resp: 357768

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.3	24.5
179	15.4	13.0	19.4



Instrument :
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ClientSampleId :
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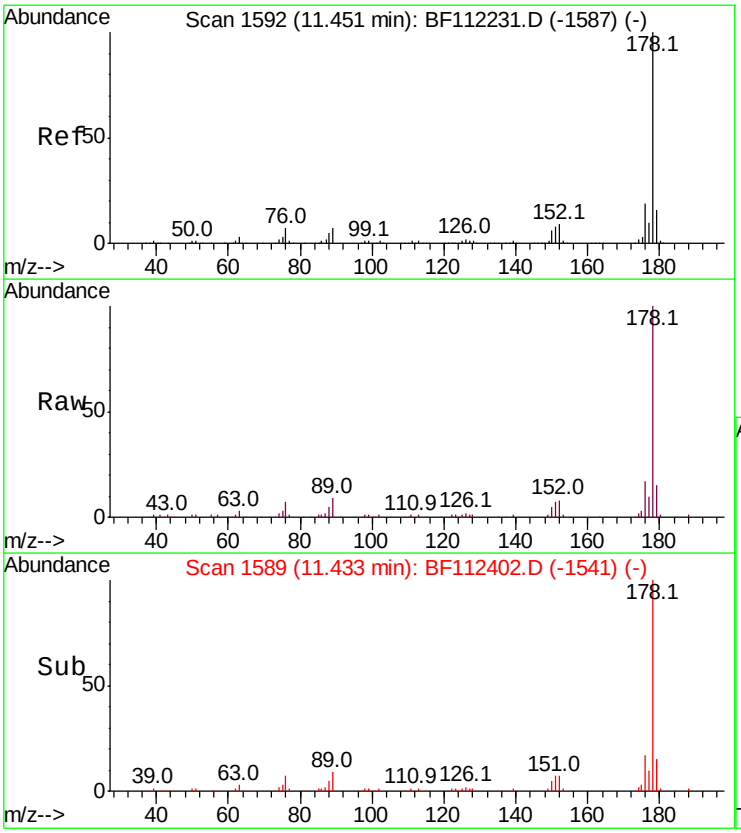
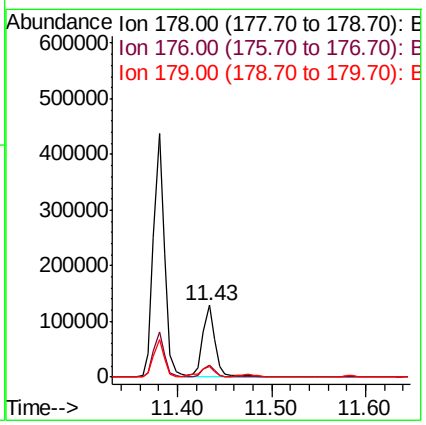
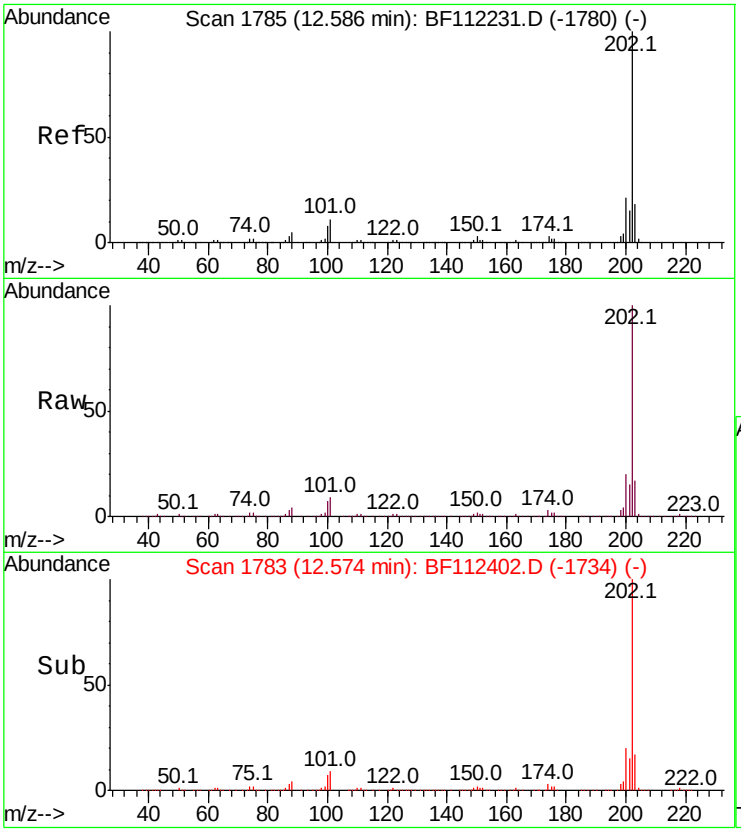


#72
Anthracene
Concen: 4.881 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:178 Resp: 121264

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	14.7	12.8	19.2

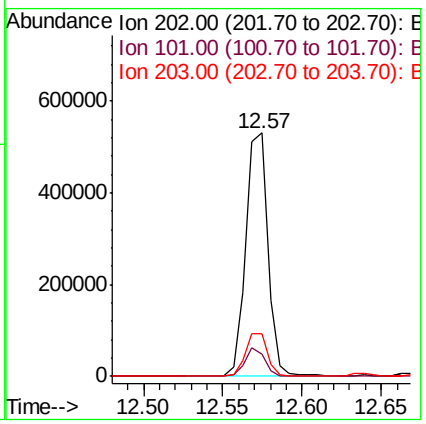




#75
Fluoranthene
Concen: 19.084 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:202 Resp: 510543

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.8
203	17.4	0.0	38.4



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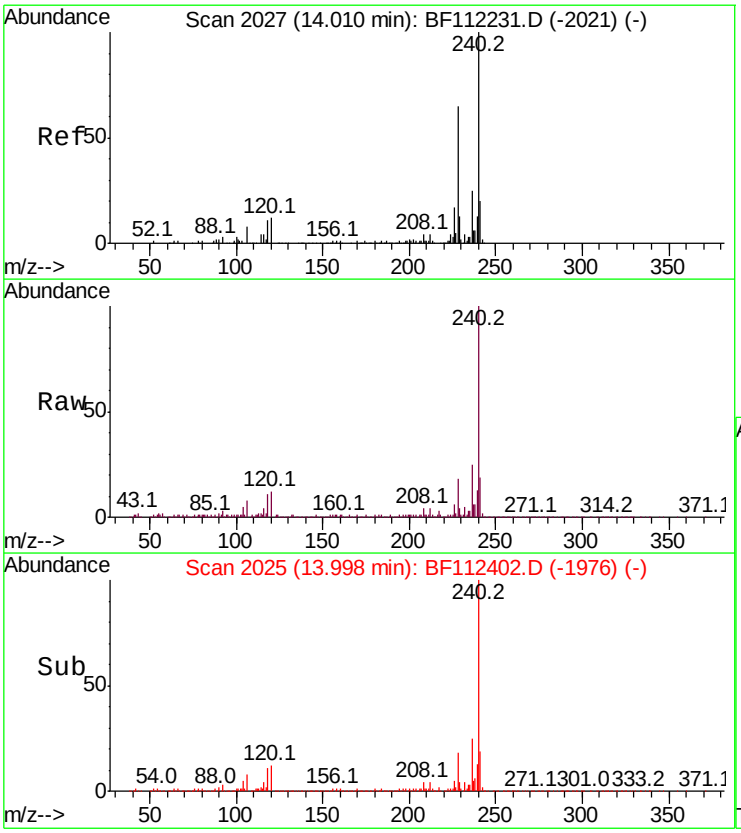
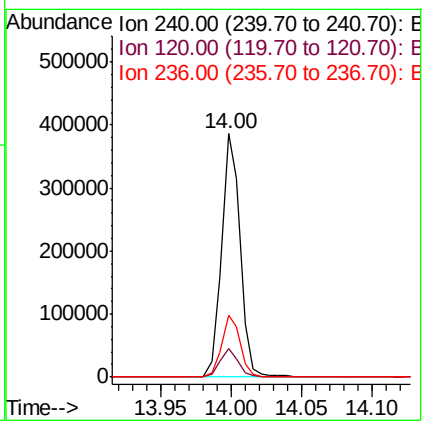
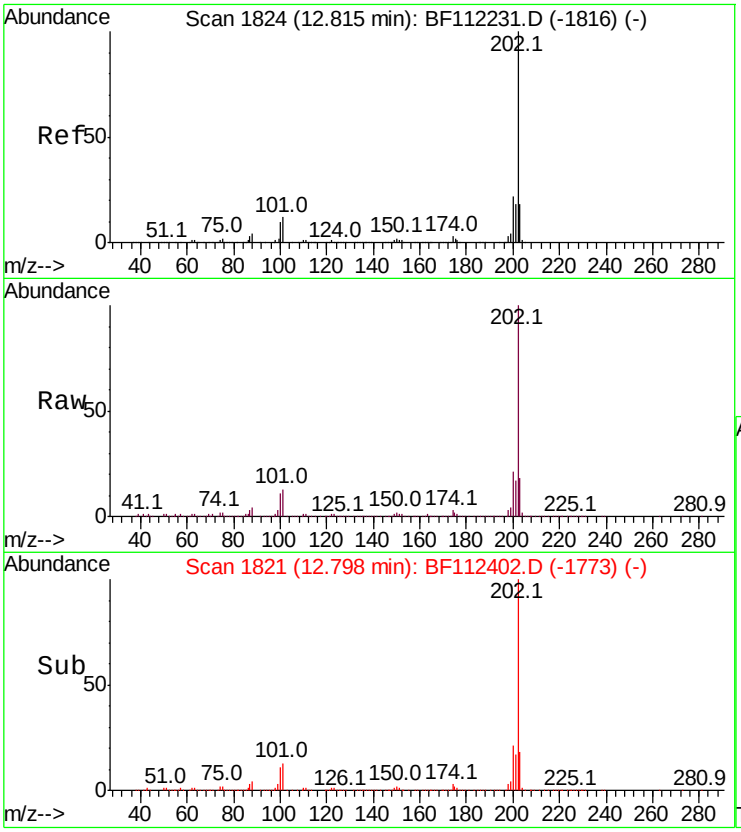


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:240 Resp: 349476

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.4	20.7	31.1

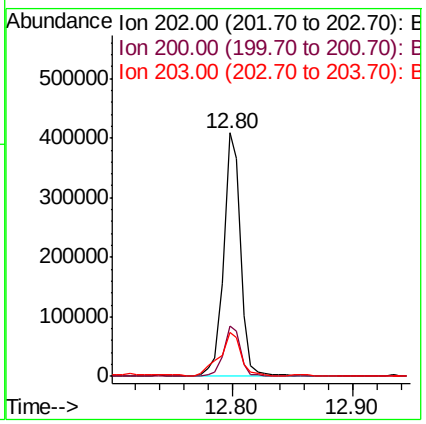




#78
Pyrene
Concen: 16.156 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:202 Resp: 390902

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.7	26.5
203	17.8	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

Manual Integrations APPROVED
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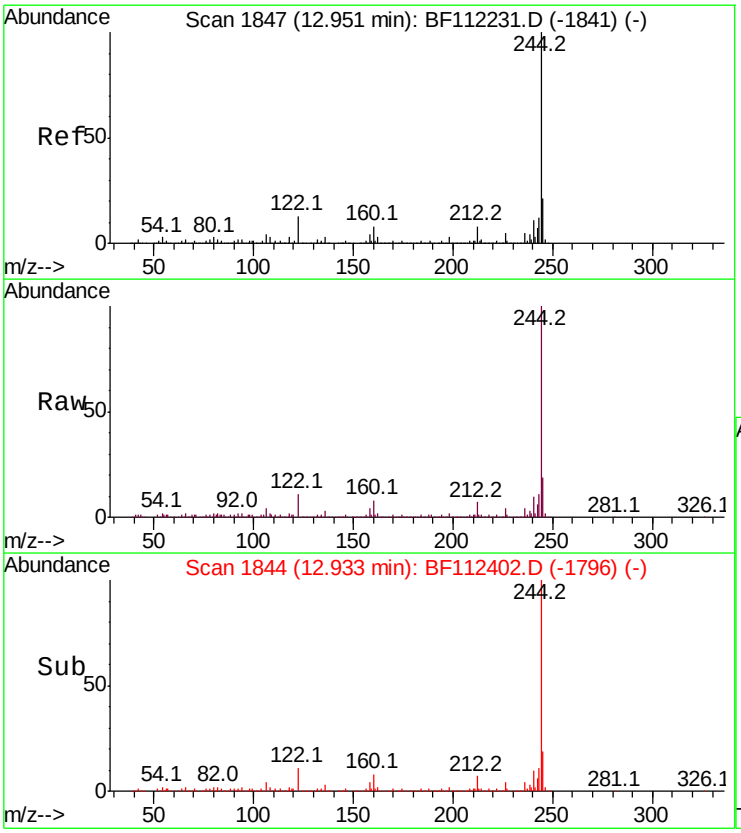
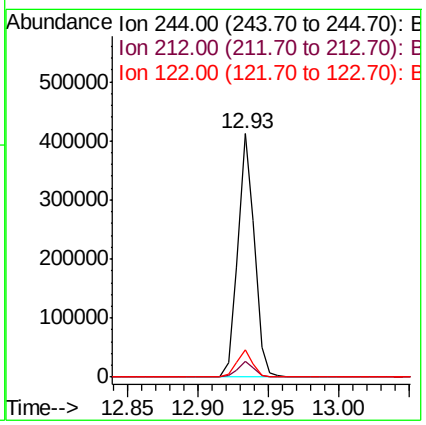
2/6/2019 9:16:00 AM

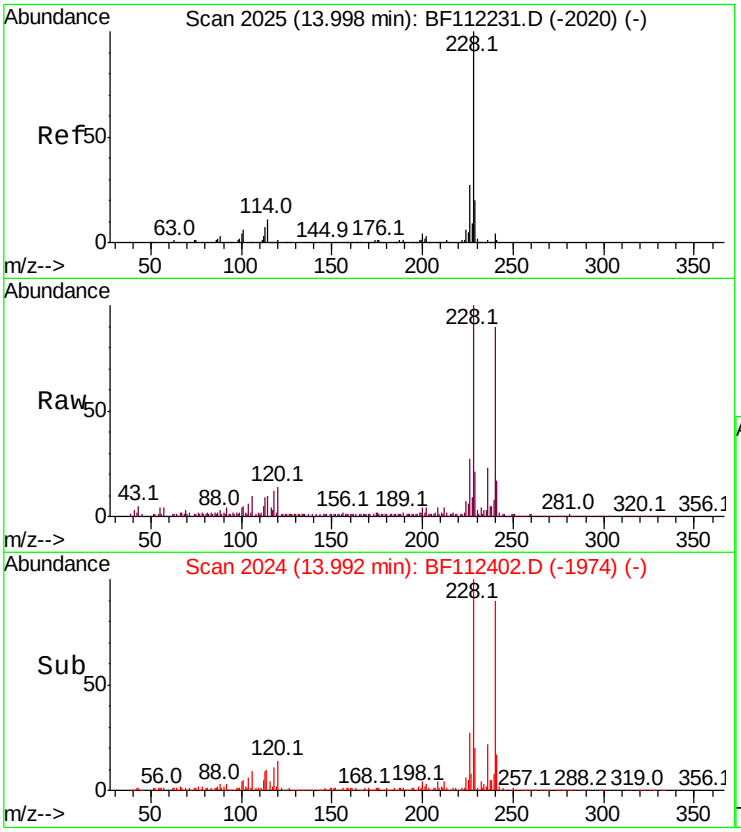


#79
Terphenyl-d14
Concen: 18.270 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:244 Resp: 339007

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	11.0	9.8	14.6

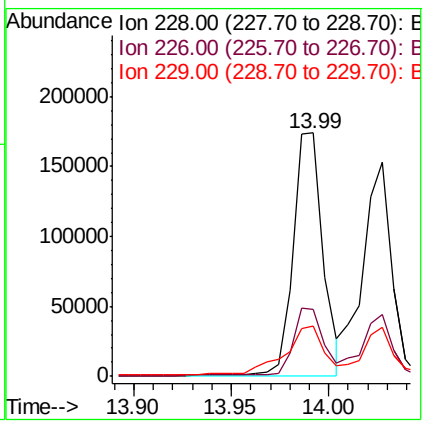




#81
Benzo(a)anthracene
Concen: 8.901 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:228 Resp: 182853

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	34.0
229	20.8	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

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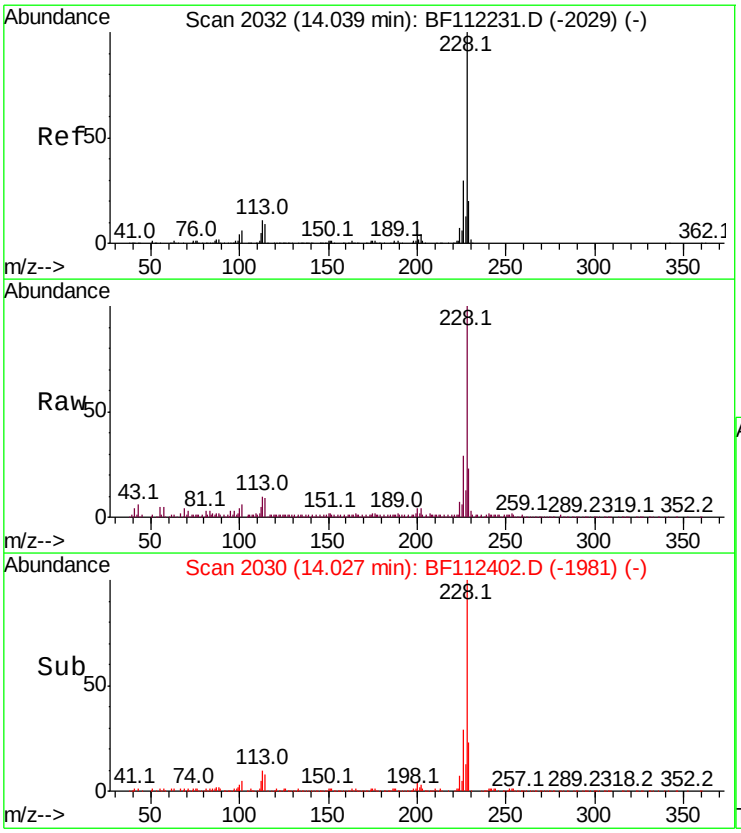
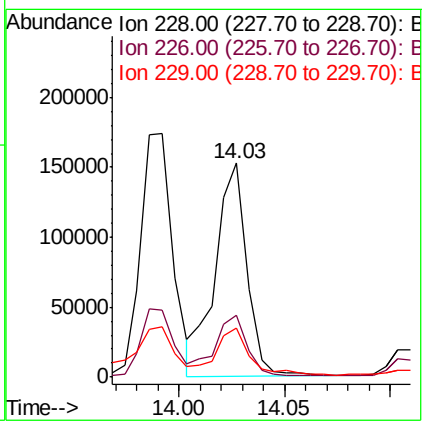
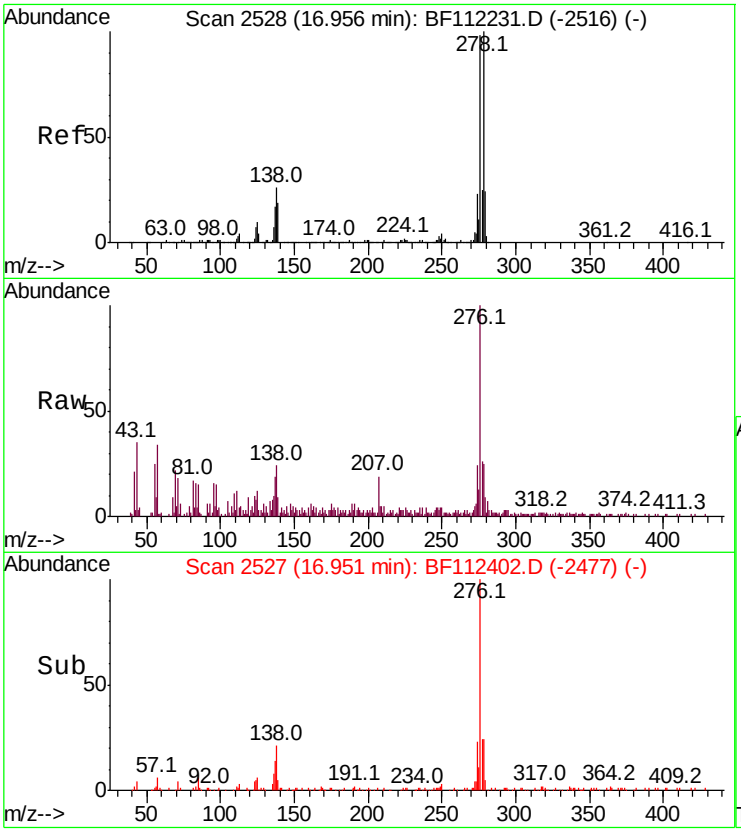


#83
Chrysene
Concen: 8.094 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:228 Resp: 158722

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	23.2	16.6	24.8

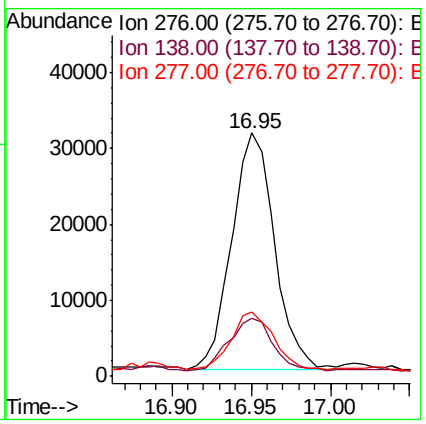




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.753 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:276 Resp: 58310

Ion	Ratio	Lower	Upper
276	100		
138	23.4	22.6	34.0
277	23.3	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

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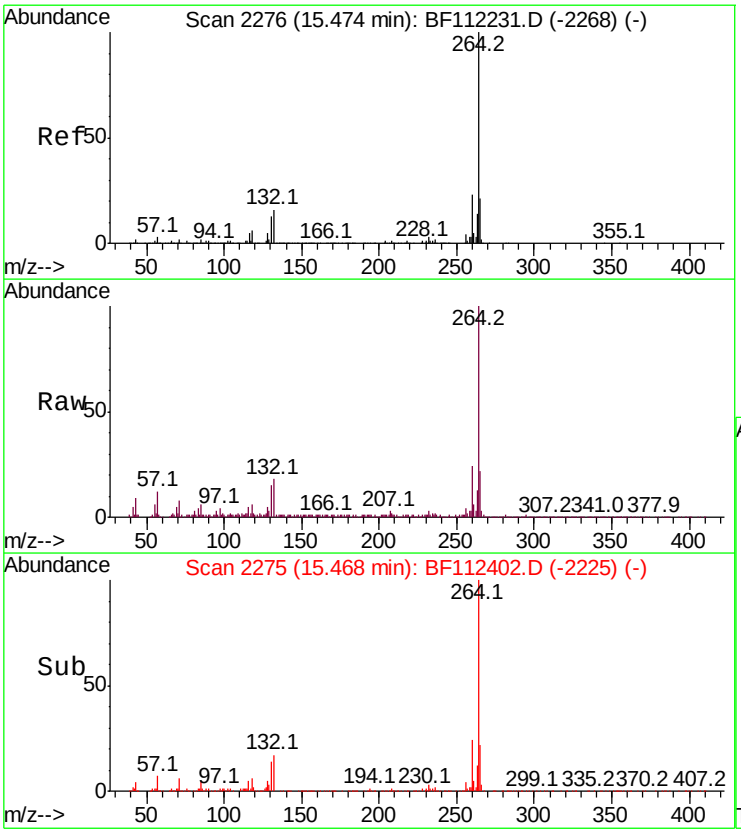
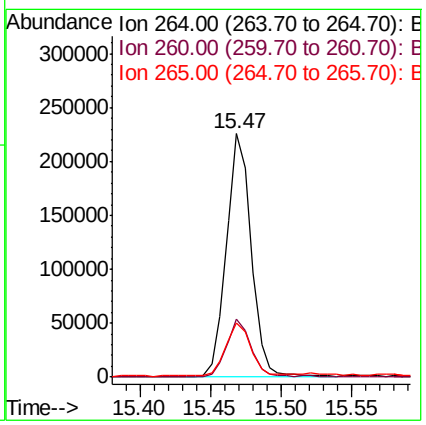
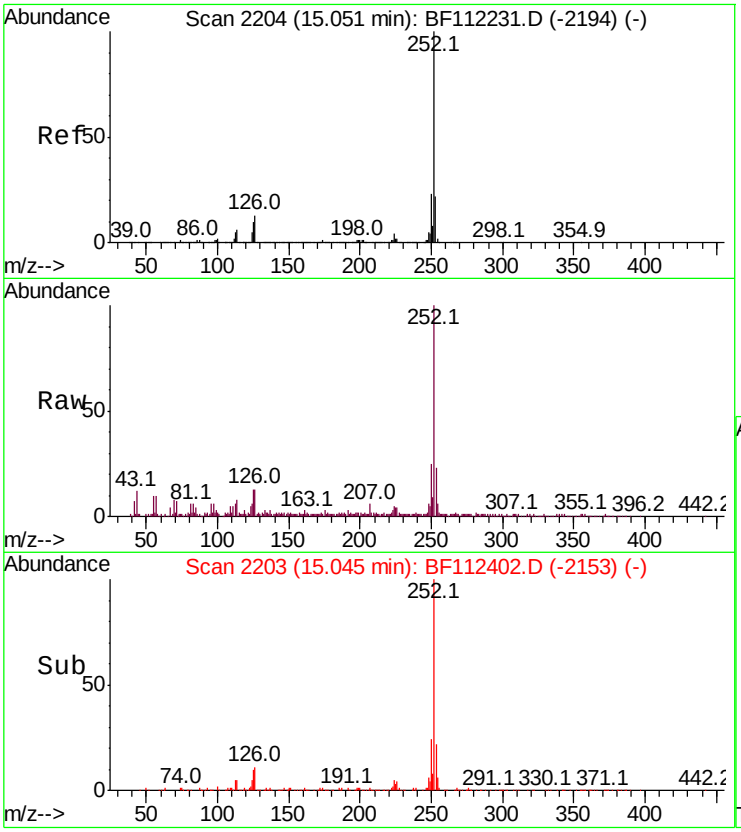


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:264 Resp: 273869

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	22.2	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 10.977 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:252 Resp: 179788

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.7	8.7	13.1

Instrument :
BNA_F
ClientSampleId :
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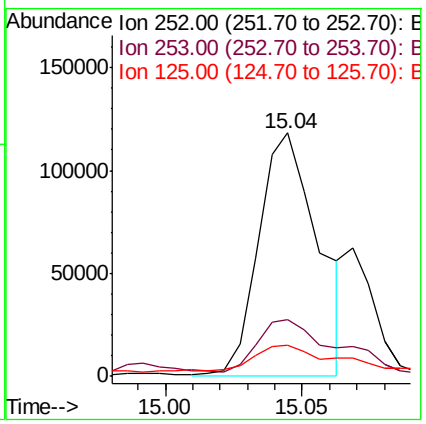
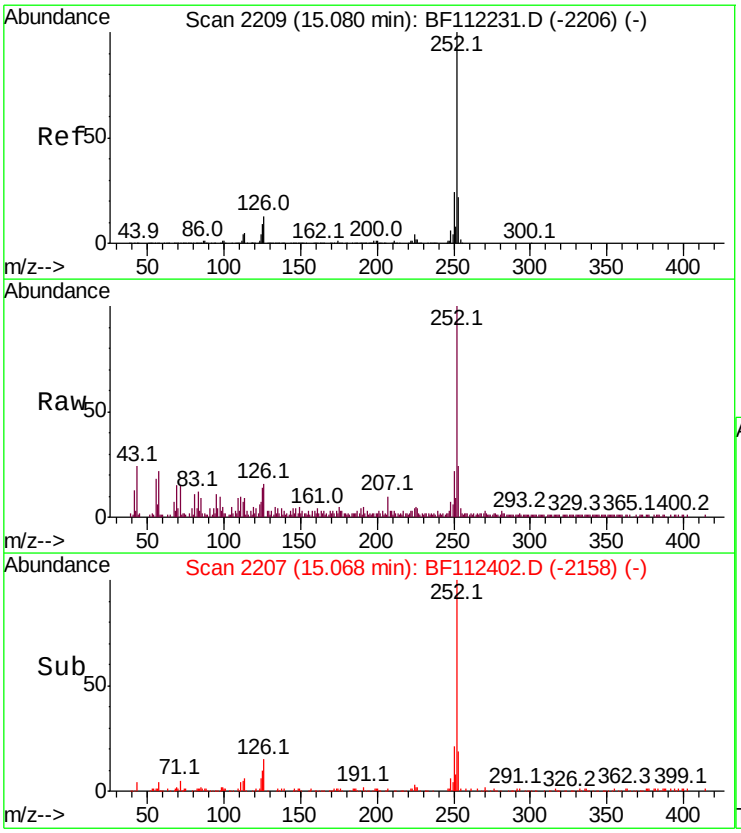
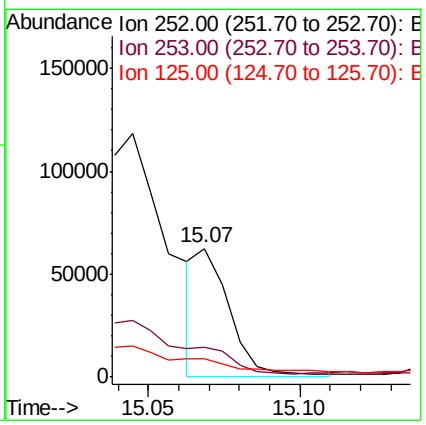


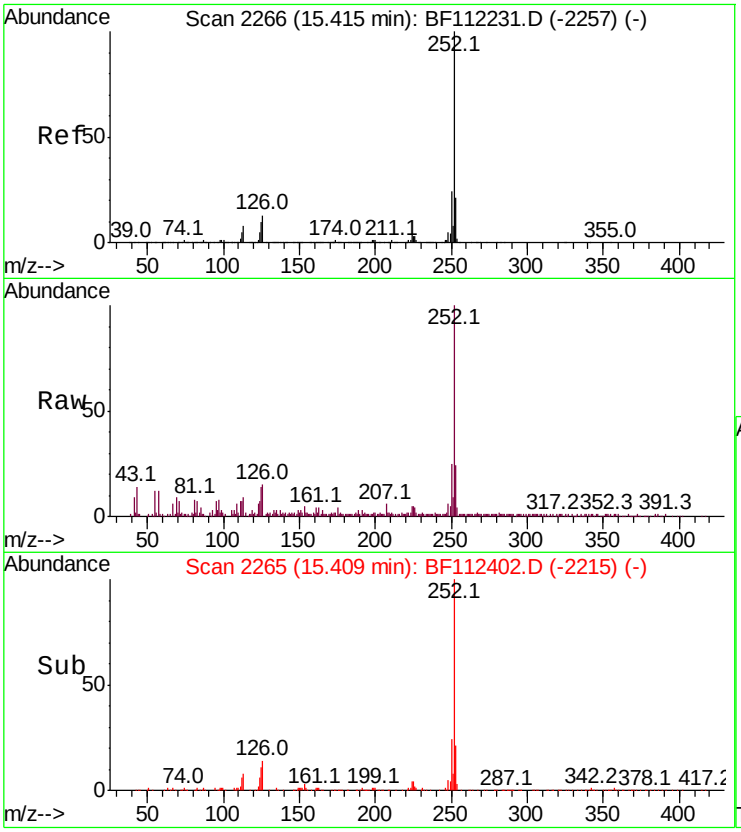


#89
Benzo(k)fluoranthene
Concen: 3.091 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:252 Resp: 48491

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.9	9.1	13.7#

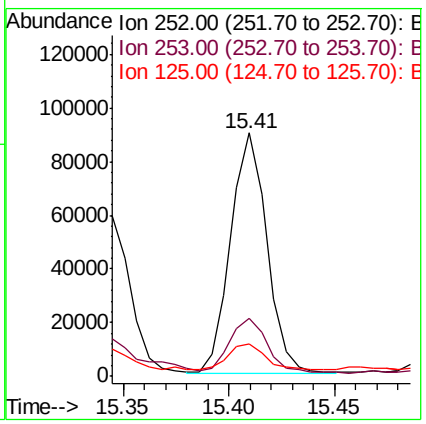




#90
Benzo(a)pyrene
Concen: 7.248 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:252 Resp: 106822

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	13.5	9.0	13.4#



Instrument :
BNA_F
ClientSampleId :
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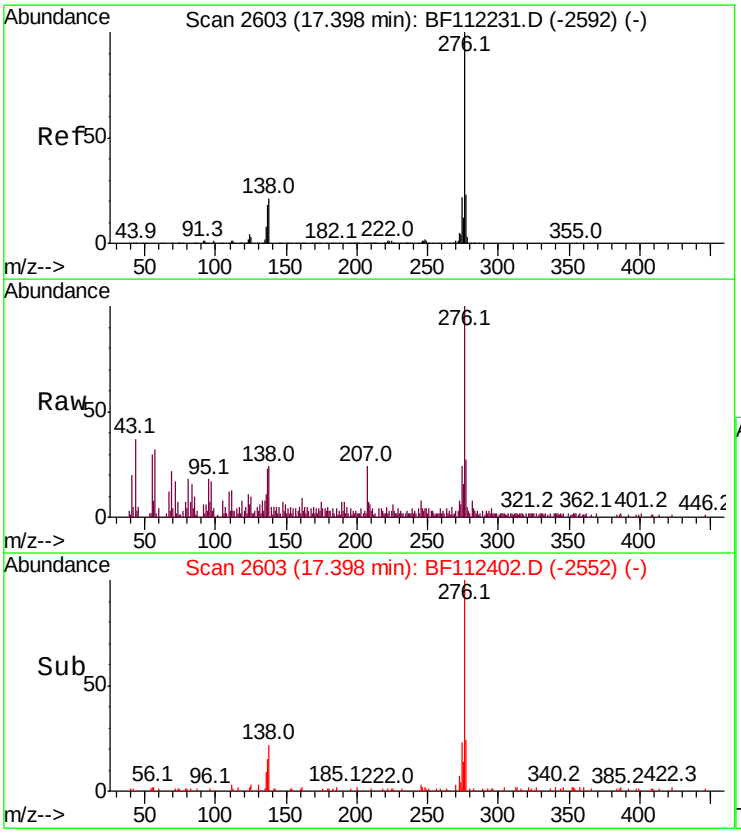

#92
Benzo(g,h,i)perylene
Concen: 4.660 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:276 Resp: 52224

Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.4	29.0
138	24.2	19.1	28.7