Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114351.D
Acq On : 17 May 2019 15:54
Operator : JU/SJ
Sample : K2871-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
mohammad
5/21/2019 2:15:57 PM

Quant Time: May 18 05:22:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	199461	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	768959	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	363257	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	682066	20.00	ng		0.00
76) Chrysene-d12	14.03	240	449277	20.00	ng		0.00
87) Perylene-d12	15.53	264	505212	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	1130062	91.17	ng		0.00
7) Phenol-d6	6.49	99	1536423	104.81	ng		0.00
23) Nitrobenzene-d5	7.40	82	909264	66.36	ng		-0.01
42) 2,4,6-Tribromophenol	10.67	330	339847	90.49	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	1517376	63.19	ng		-0.01
79) Terphenyl-d14	12.96	244	1345467	61.73	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.59	163	227542	8.533	ng	#	97
58) Fluorene	10.43	166	67243	2.693	ng	#	92
71) Phenanthrene	11.39	178	363338	10.949	ng		97
72) Anthracene	11.44	178	116812m	3.505	ng		
75) Fluoranthene	12.59	202	395465	11.067	ng		97
78) Pyrene	12.82	202	383990	10.624	ng		98
81) Benzo(a)anthracene	14.02	228	130714m	4.498	ng		
83) Chrysene	14.05	228	160341m	5.629	ng		
88) Benzo(b)fluoranthene	15.10	252	135766m	4.195	ng		
90) Benzo(a)pyrene	15.47	252	92397	3.244	ng	#	72

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114351.D
Acq On : 17 May 2019 15:54
Operator : JU/SJ
Sample : K2871-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 18 05:22:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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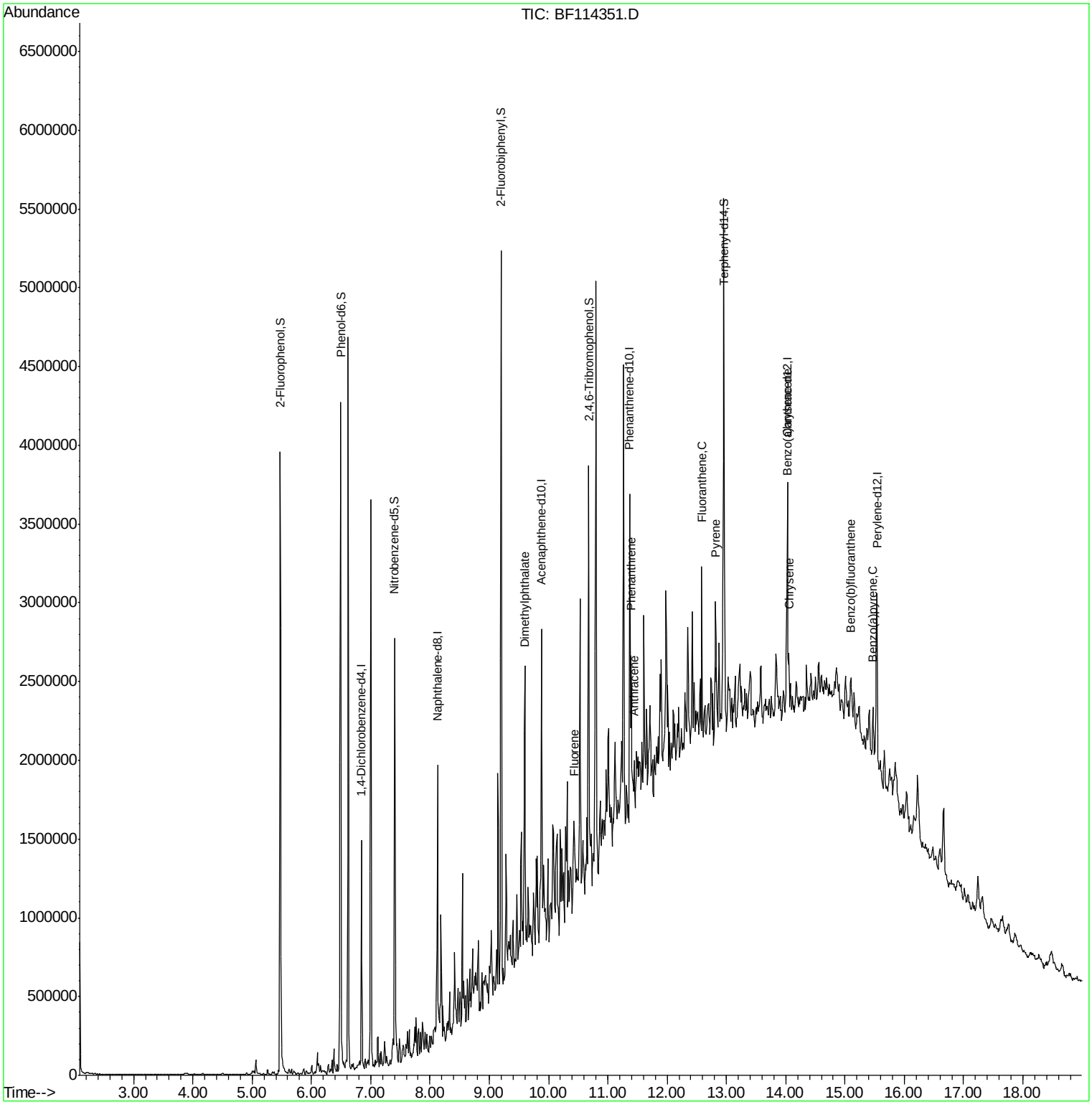
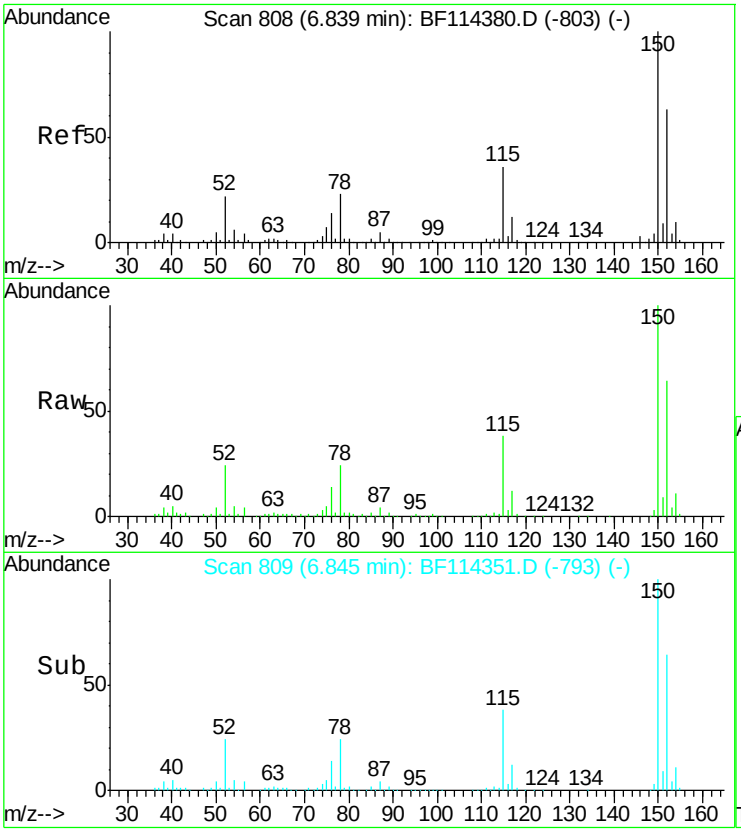
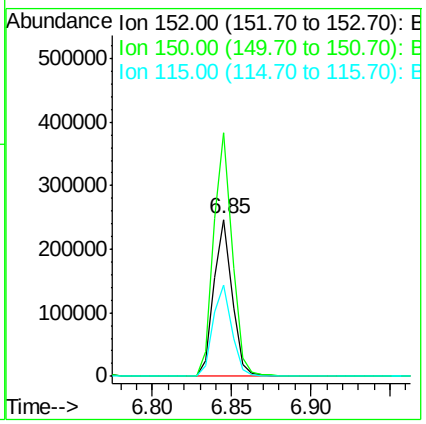




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:152 Resp: 199461

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.3	186.5
115	58.6	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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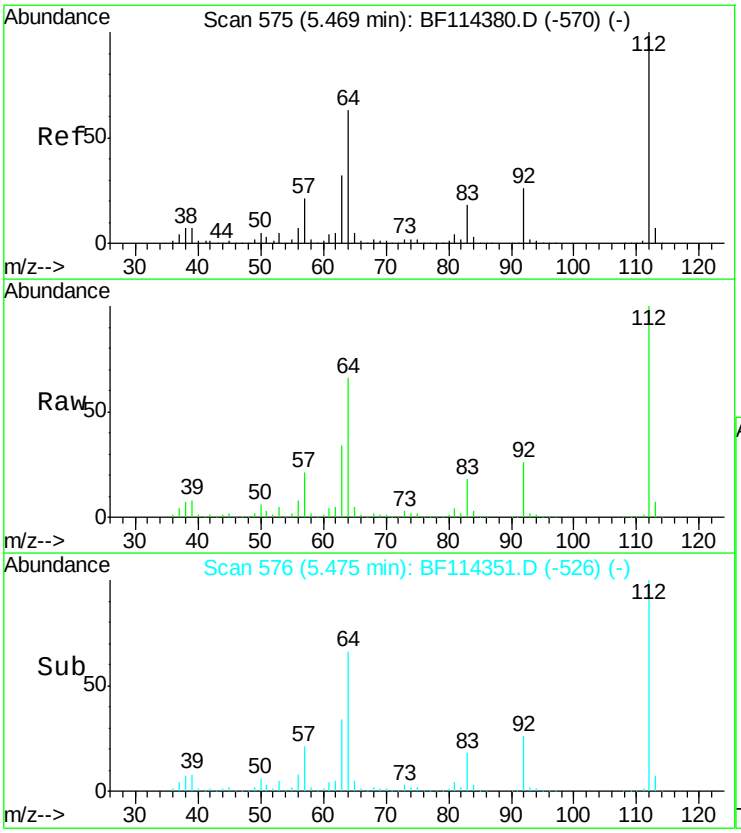
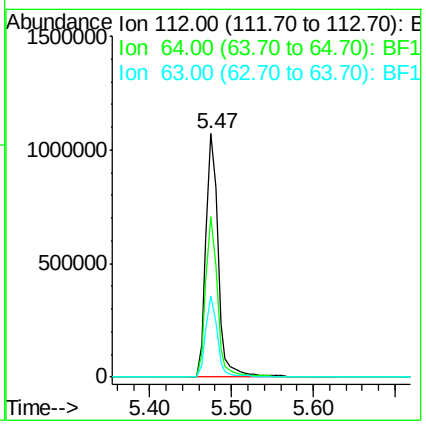
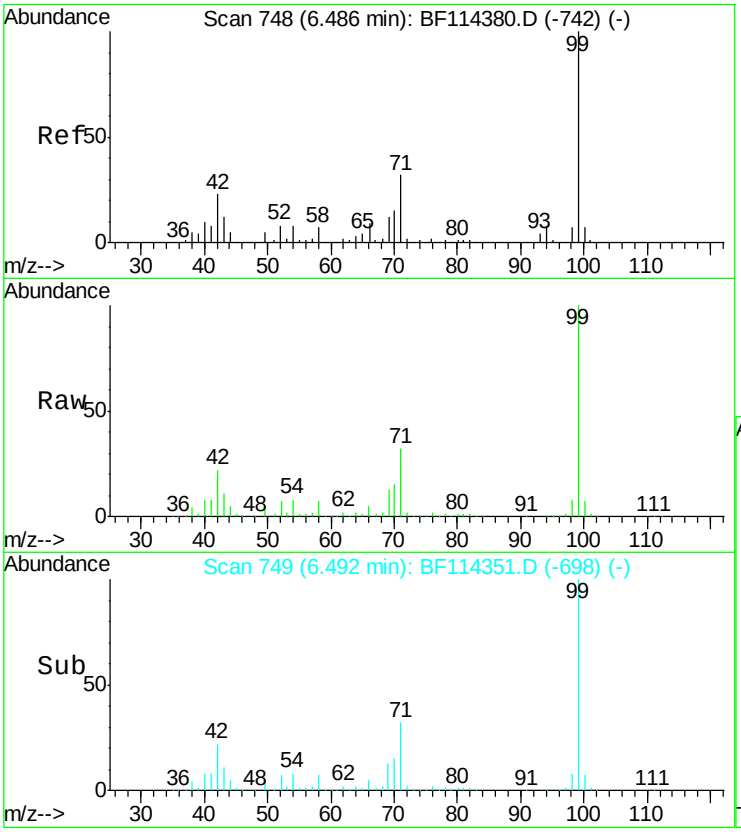


#5
2-Fluorophenol
Concen: 91.174 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:112 Resp: 1130062

Ion	Ratio	Lower	Upper
112	100		
64	65.7	49.0	73.6
63	33.5	24.6	37.0

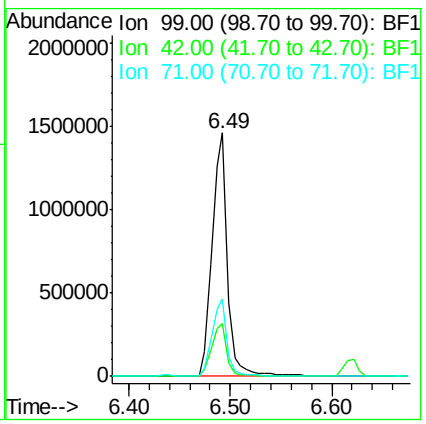




#7
Phenol-d6
Concen: 104.808 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion: 99 Resp: 1536423

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.9	26.9
71	31.8	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

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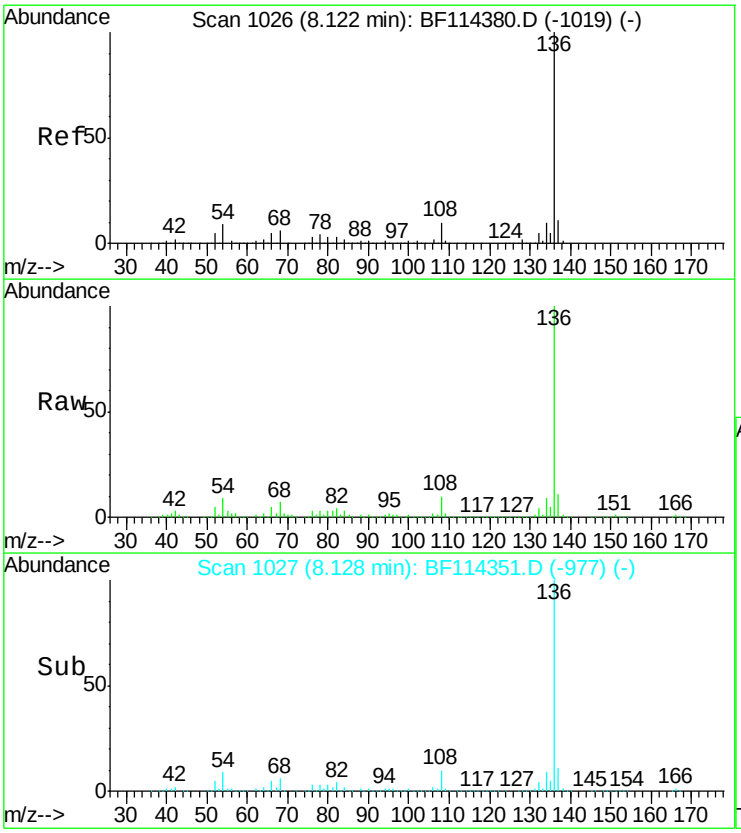
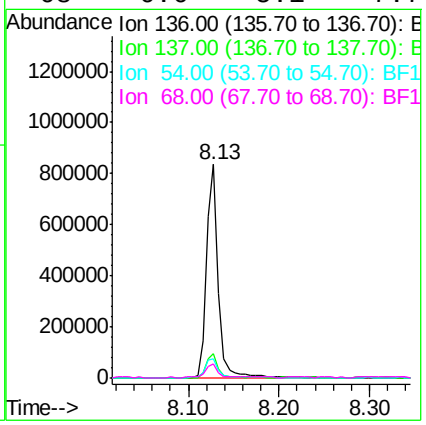
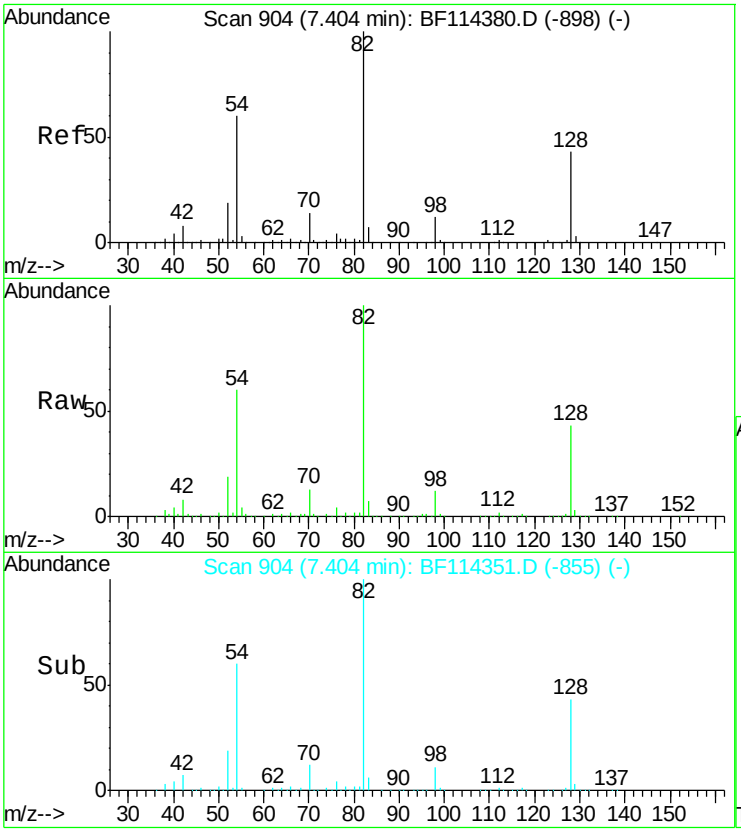


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:136 Resp: 768959

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.1	7.8	11.8
68	6.6	5.1	7.7

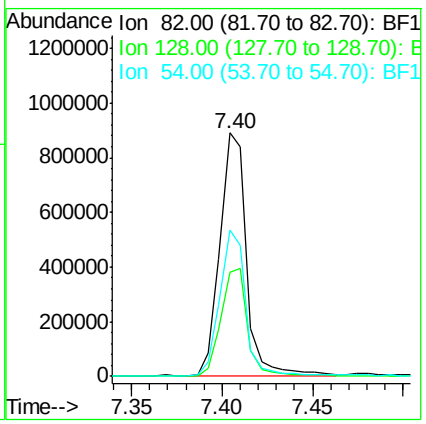




#23
Nitrobenzene-d5
Concen: 66.360 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion: 82 Resp: 909264

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.5	53.3
54	59.9	48.5	72.7



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

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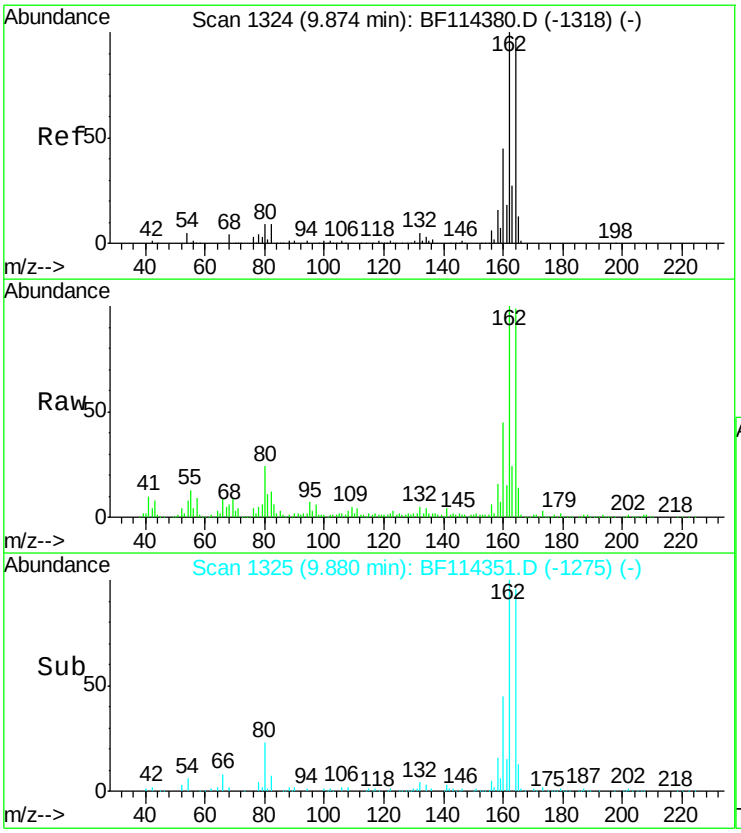
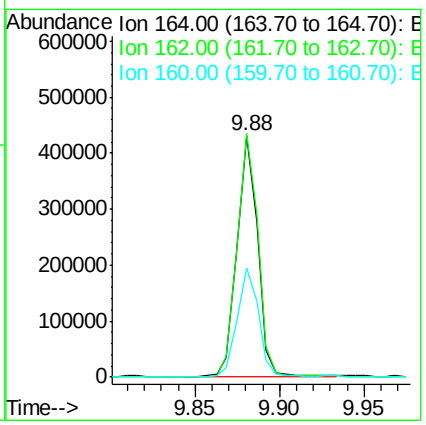
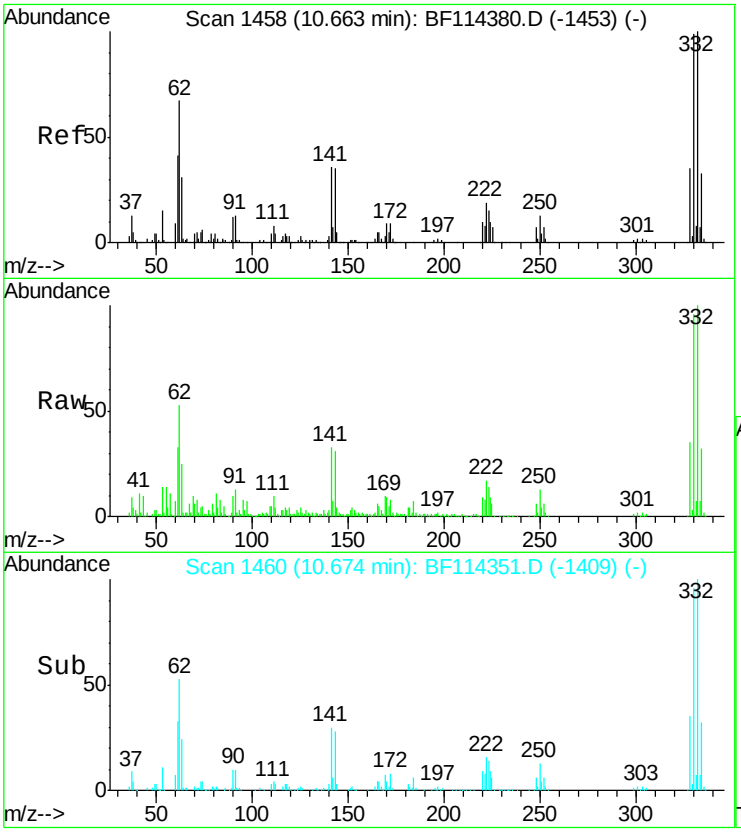


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:164 Resp: 363257

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.5	36.5	54.7

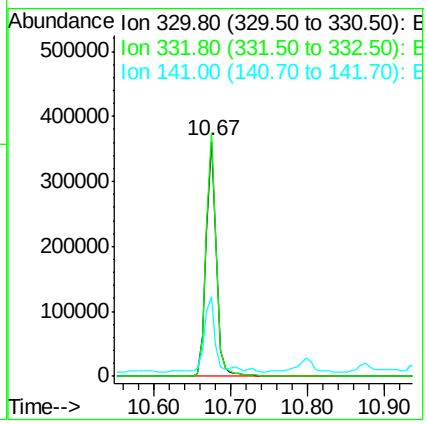




#42
2,4,6-Tribromophenol
Concen: 90.494 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:330 Resp: 339847

Ion	Ratio	Lower	Upper
330	100		
332	101.2	81.4	122.2
141	30.7	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

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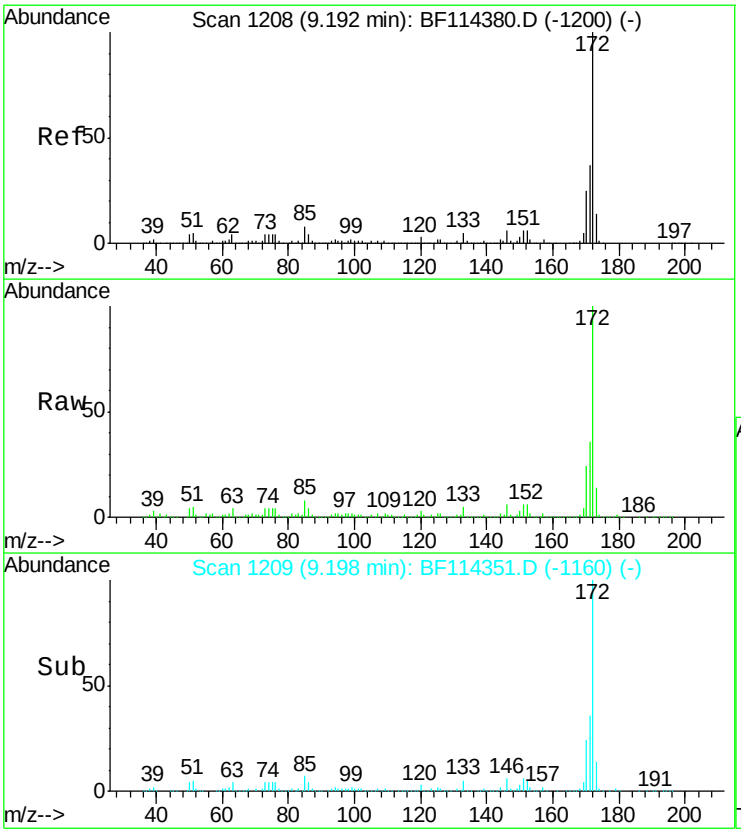
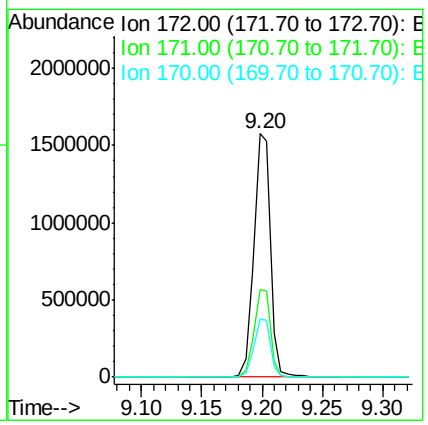
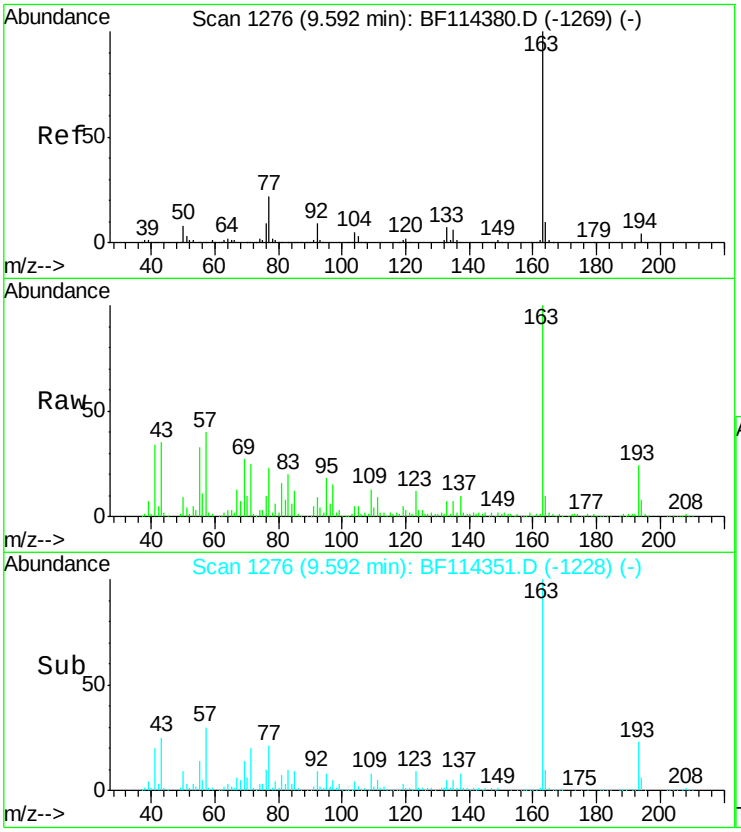


#45
2-Fluorobiphenyl
Concen: 63.186 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:172 Resp: 1517376

Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.7	46.1
170	23.9	20.5	30.7

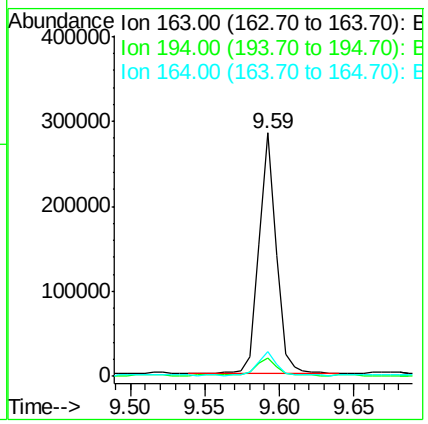




#50
Dimethylphthalate
Concen: 8.533 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:163 Resp: 227542

Ion	Ratio	Lower	Upper
163	100		
194	7.6	3.4	5.0#
164	10.1	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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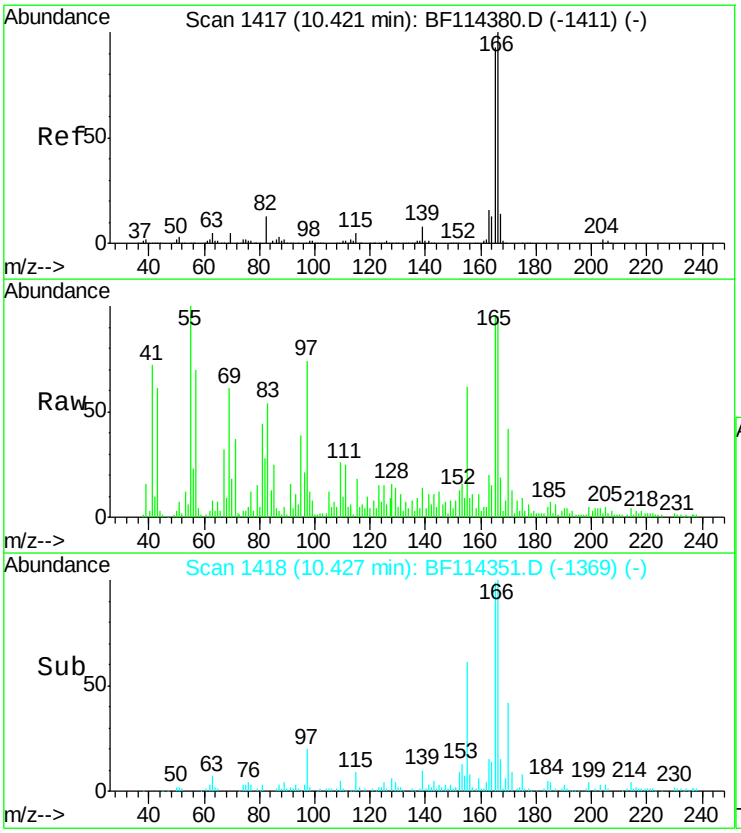
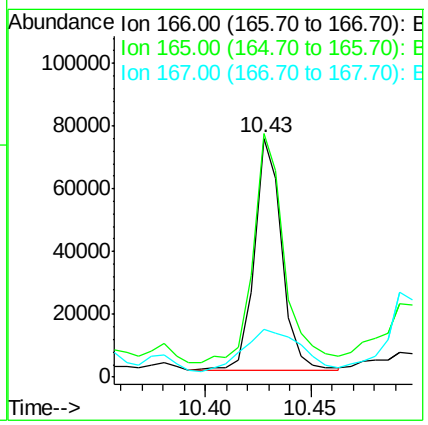
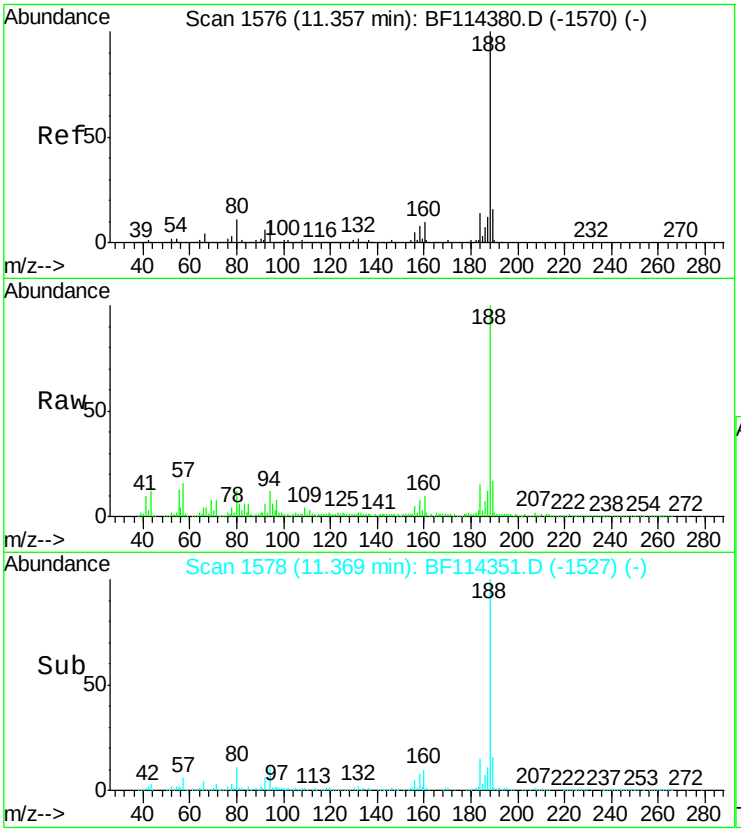


#58
Fluorene
Concen: 2.693 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:166 Resp: 67243

Ion	Ratio	Lower	Upper
166	100		
165	102.0	76.1	114.1
167	20.1	11.1	16.7#

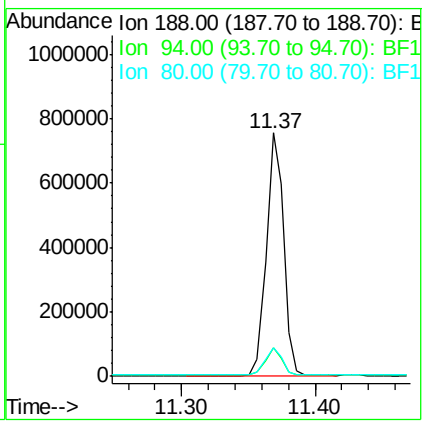




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:188 Resp: 682066

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.4	12.6
80	11.9	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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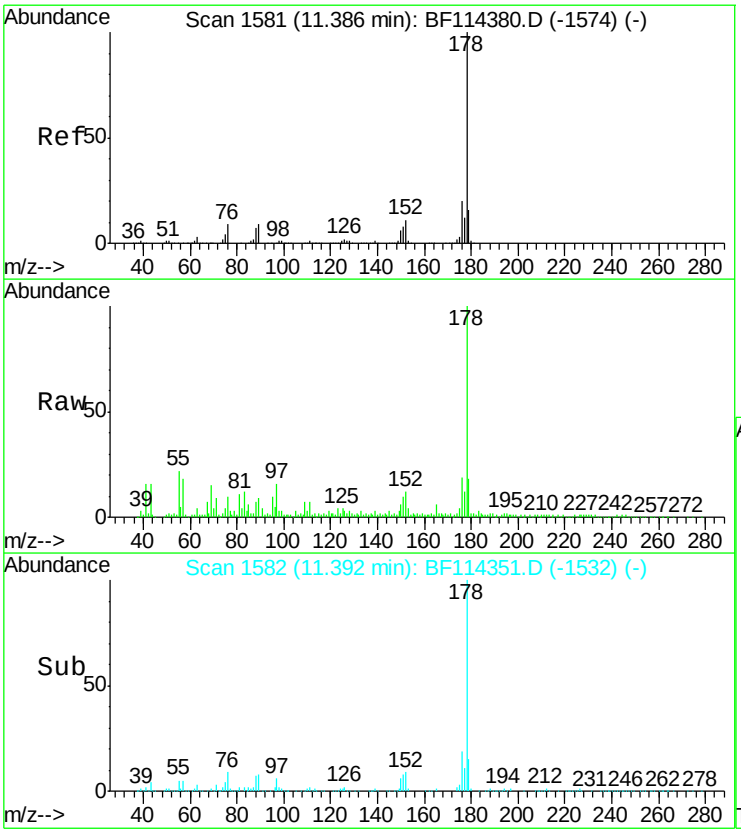
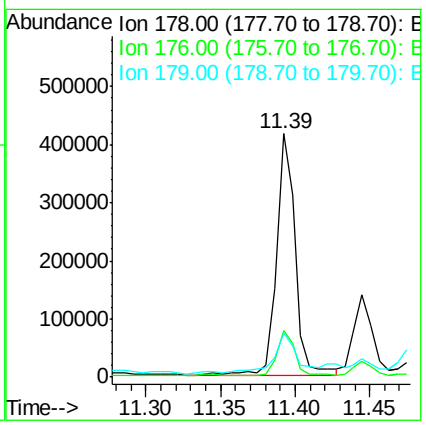
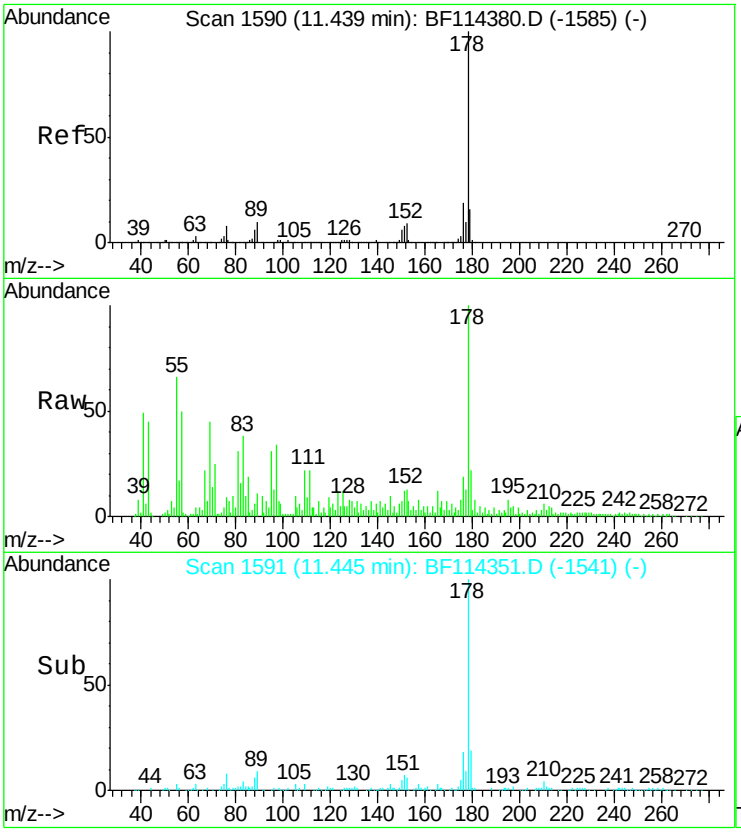


#71
Phenanthrene
Concen: 10.949 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:178 Resp: 363338

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.4	24.6
179	18.0	13.2	19.8

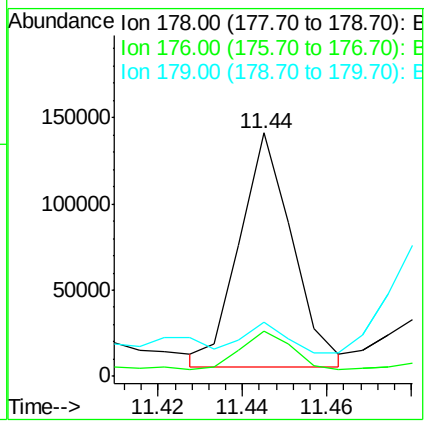




#72
Anthracene
Concen: 3.505 ng m
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:178 Resp: 116812

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	22.2	13.0	19.4#



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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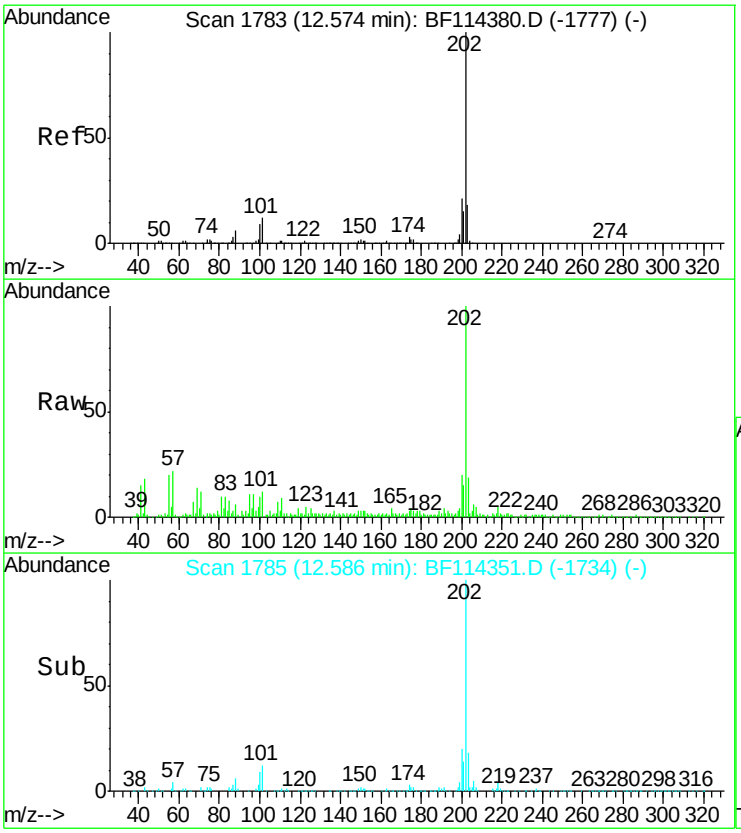
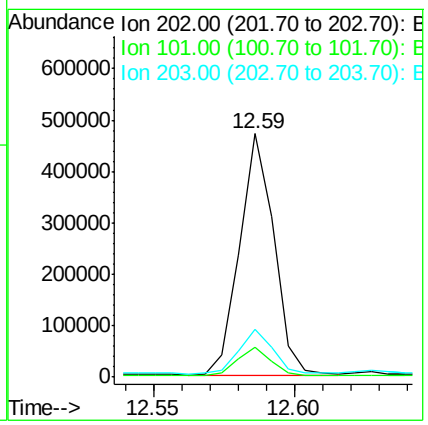
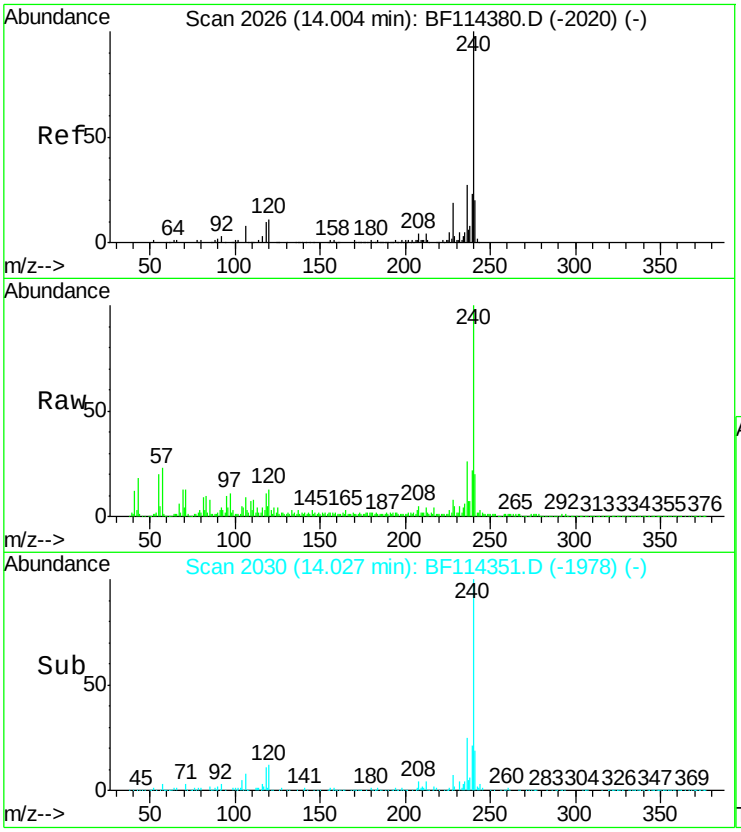


#75
Fluoranthene
Concen: 11.067 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:202 Resp: 395465

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.0
203	19.4	0.0	38.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:240 Resp: 449277

Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.3	12.5#
236	25.9	20.8	31.2

Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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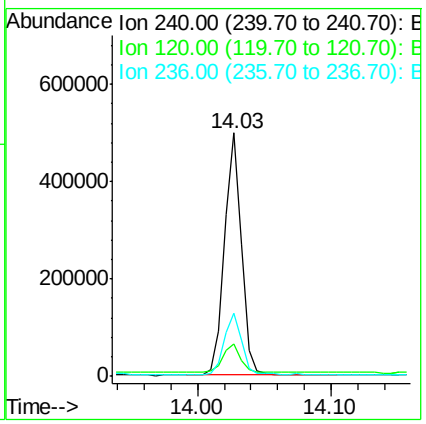
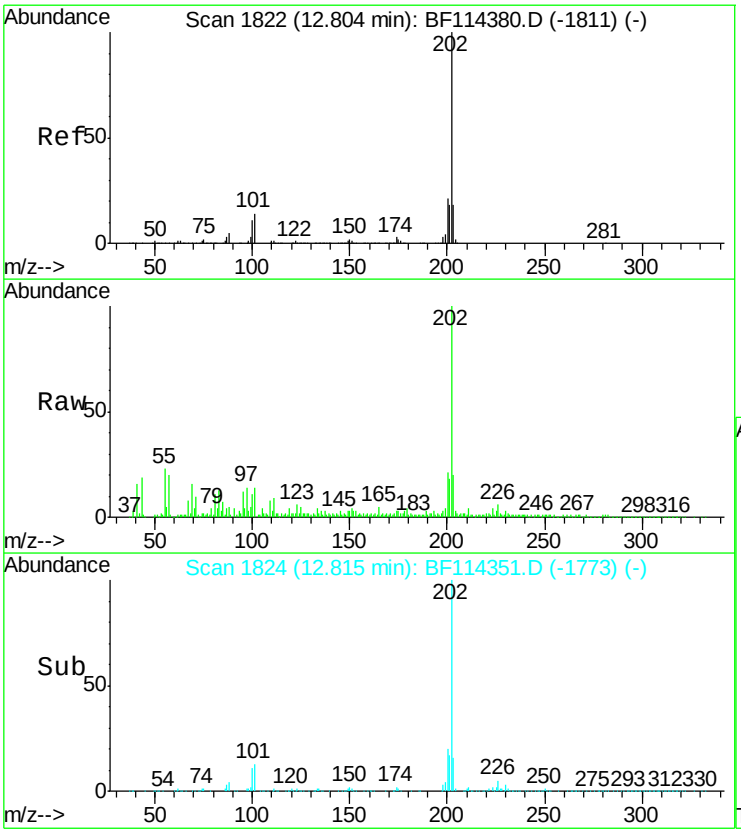
5/21/2019 2:15:57 PM

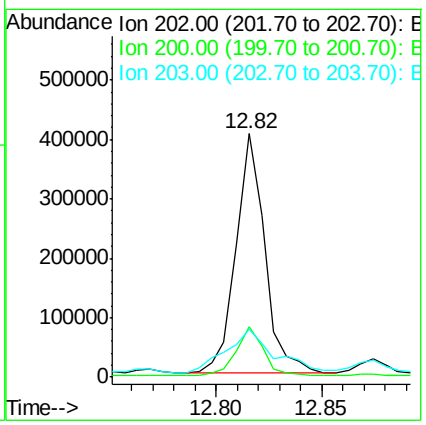


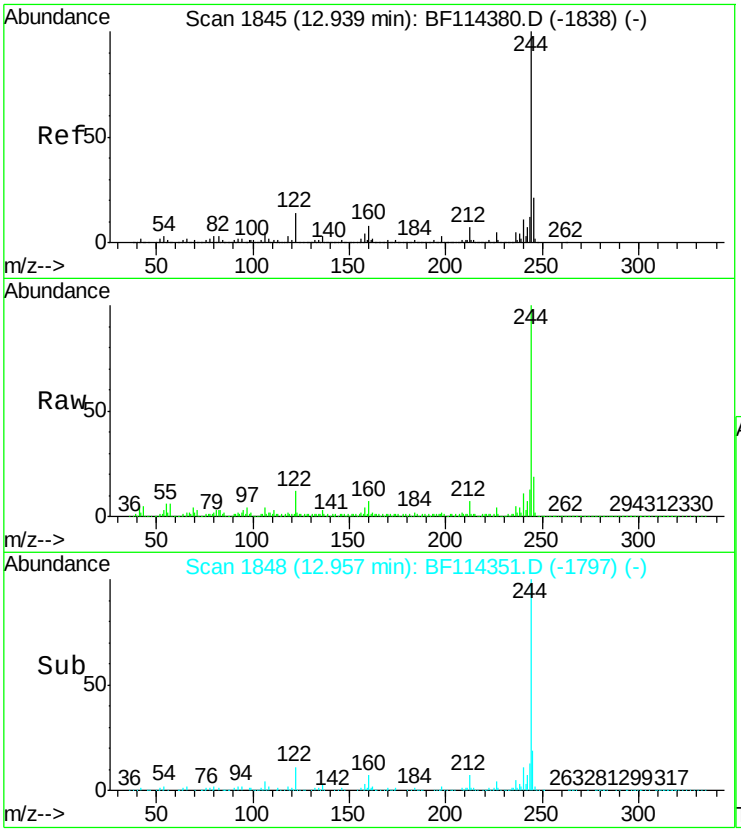


#78
Pyrene
Concen: 10.624 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:202 Resp: 383990

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	19.5	14.5	21.7

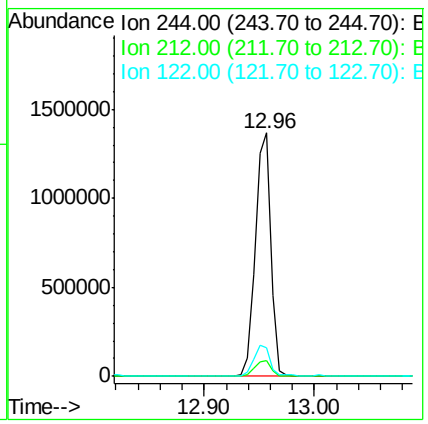




#79
Terphenyl-d14
Concen: 61.734 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:244 Resp: 1345467

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	11.7	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

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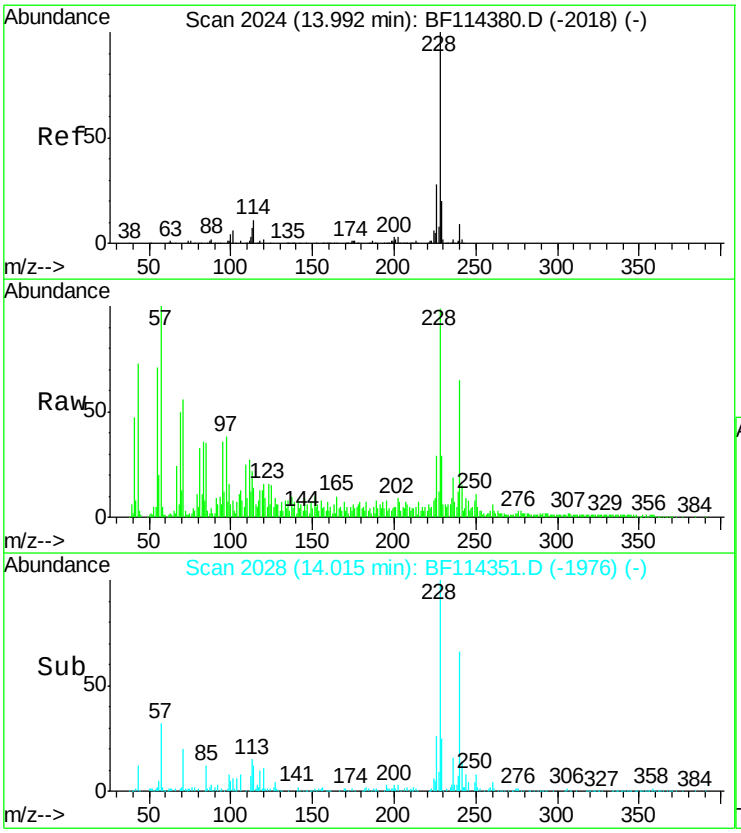
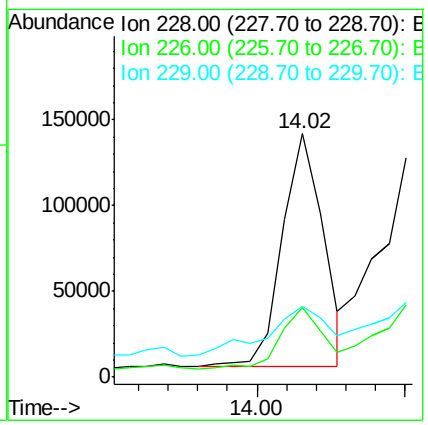
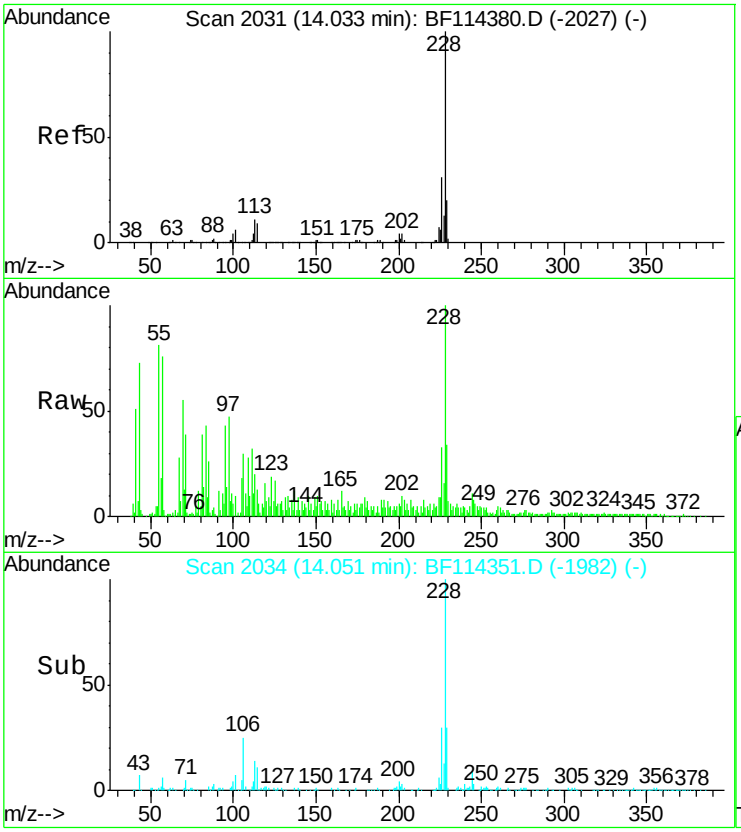


#81
Benzo(a)anthracene
Concen: 4.498 ng m
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:228 Resp: 130714

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.2
229	29.2	16.4	24.6#





#83
Chrysene
Concen: 5.629 ng m
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:228 Resp: 160341

Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	34.0	17.0	25.6#

Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
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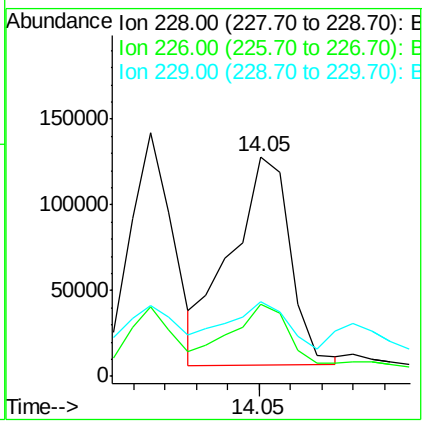
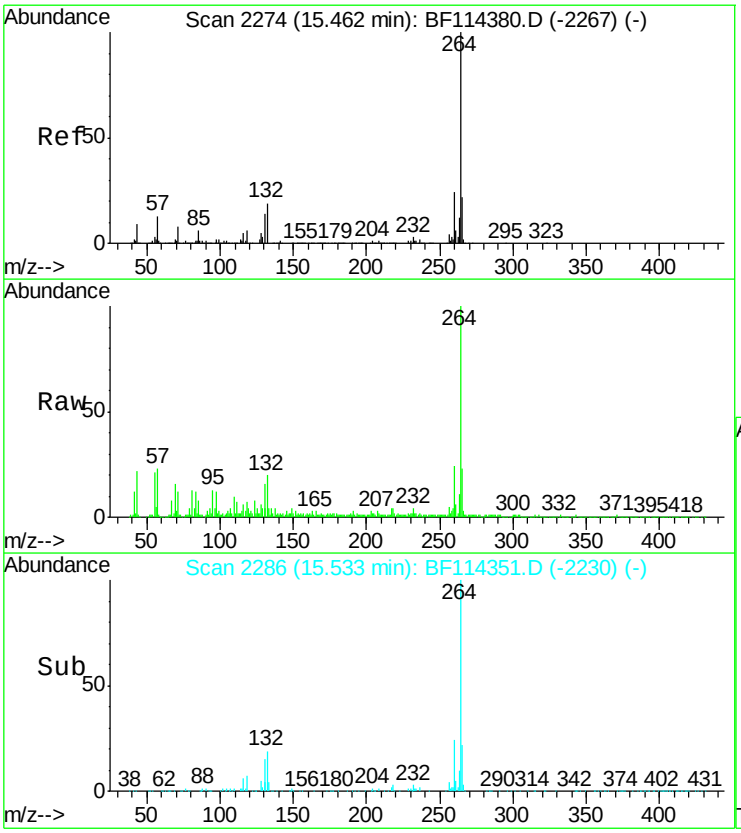
5/21/2019 2:15:57 PM

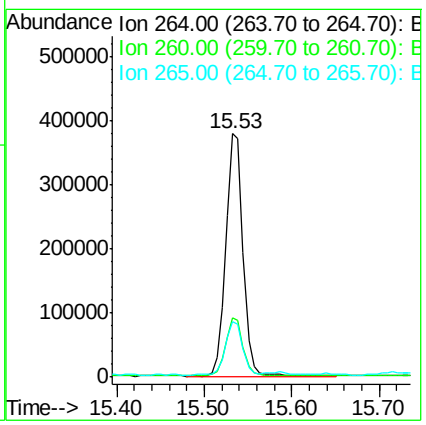


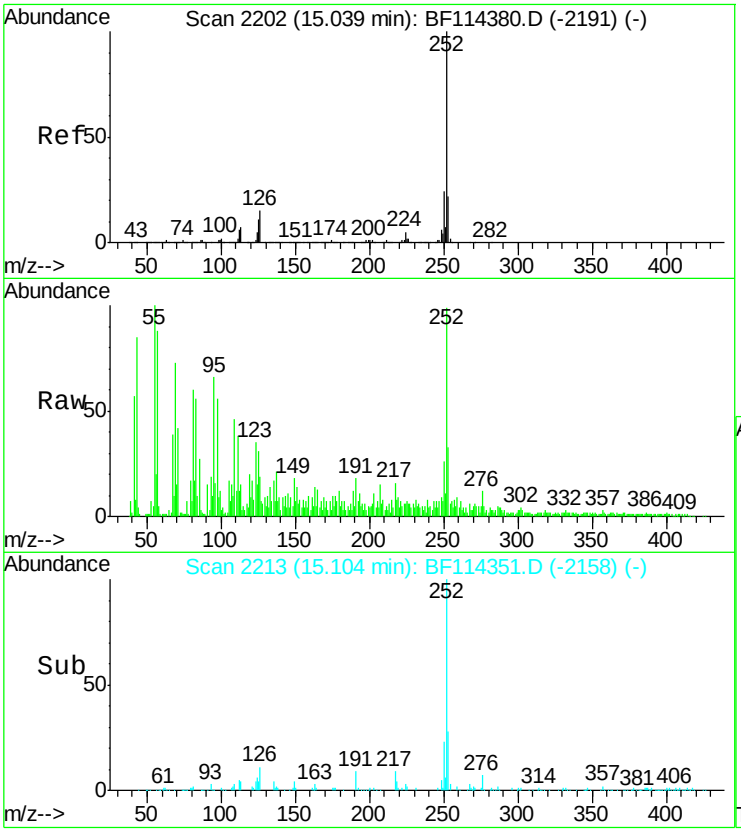


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.03 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:264 Resp: 505212

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	22.9	16.9	25.3





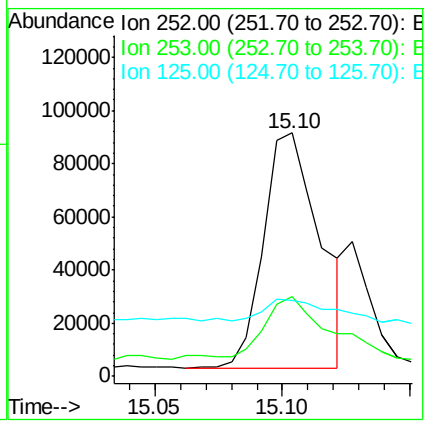
#88
Benzo(b)fluoranthene
Concen: 4.195 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

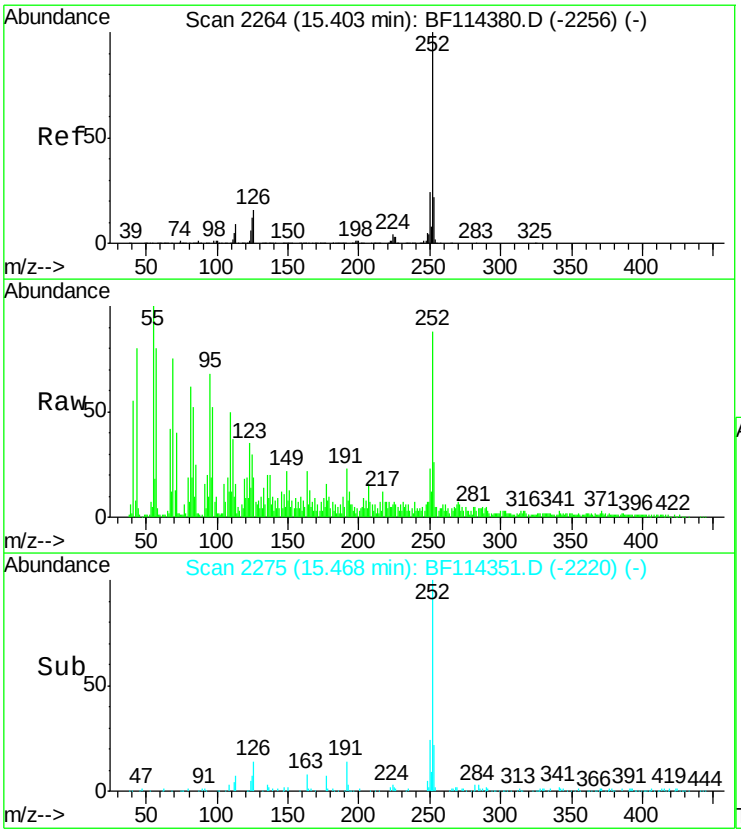
Tgt Ion:252 Resp: 135766

Ion	Ratio	Lower	Upper
252	100		
253	33.0	17.8	26.8#
125	31.3	8.3	12.5#

Instrument :
BNA_F
ClientSampleId :
SB-04(30-32)

Manual Integrations APPROVED
mohammad
5/21/2019 2:15:57 PM





#90
Benzo(a)pyrene
Concen: 3.244 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:252 Resp: 92397

Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.1	27.1#
125	34.0	9.5	14.3#