Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012919\
Data File : BF112296.D
Acq On : 29 Jan 2019 15:43
Operator : JU/SJ
Sample : K1010-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

Manual Integrations APPROVED
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1/30/2019 11:08:30 AM

Quant Time: Jan 30 00:43:44 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	6.84	152	169270	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	642326	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	295853	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	503250	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	388733	20.00	ng	0.00
87) Perylene-d12	15.47	264	401082	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	208532	26.17	ng	-0.01
7) Phenol-d6	6.48	99	259699	23.45	ng	-0.01
23) Nitrobenzene-d5	7.40	82	156272	14.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	64394	18.70	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	340884	16.30	ng	-0.01
79) Terphenyl-d14	12.94	244	274126	13.28	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.39	178	225822	8.631	ng	96
72) Anthracene	11.43	178	53131	2.039	ng	99
75) Fluoranthene	12.57	202	215456	7.678	ng	97
78) Pyrene	12.80	202	188833	7.016	ng	98
81) Benzo(a)anthracene	13.99	228	91455	4.002	ng	97
83) Chrysene	14.03	228	76255	3.496	ng	98
88) Benzo(b)fluoranthene	15.04	252	91197m	3.802	ng	
90) Benzo(a)pyrene	15.41	252	66084	3.062	ng	# 86

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

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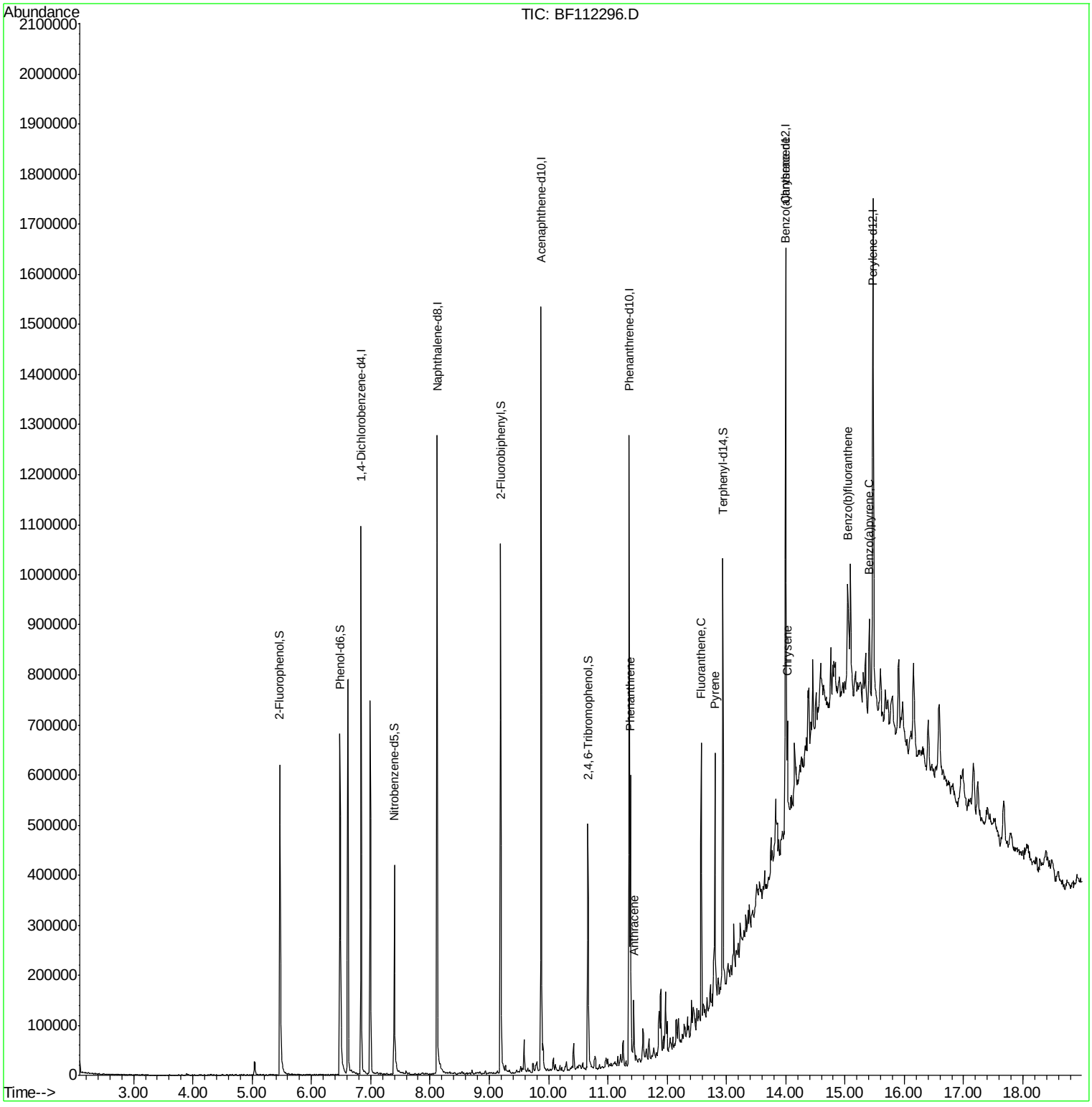
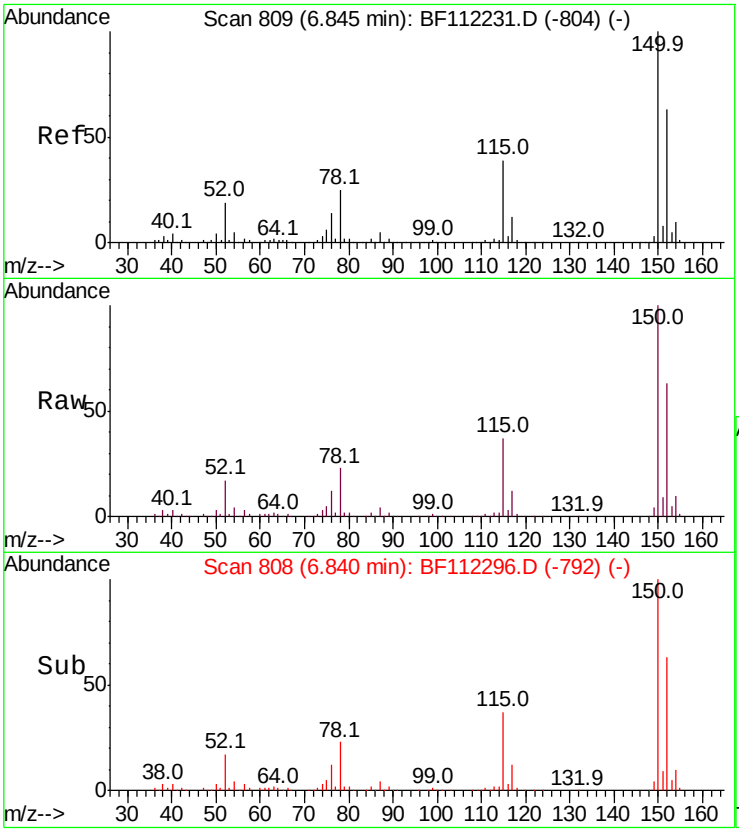
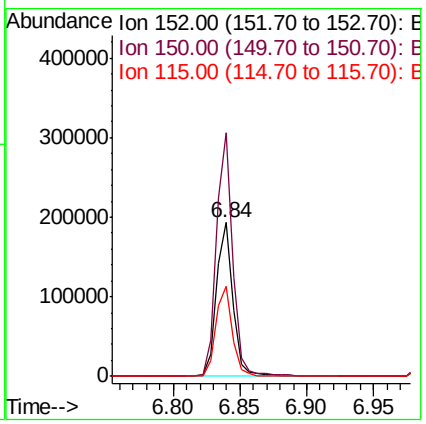




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:152 Resp: 169270

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.4	191.0
115	58.7	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
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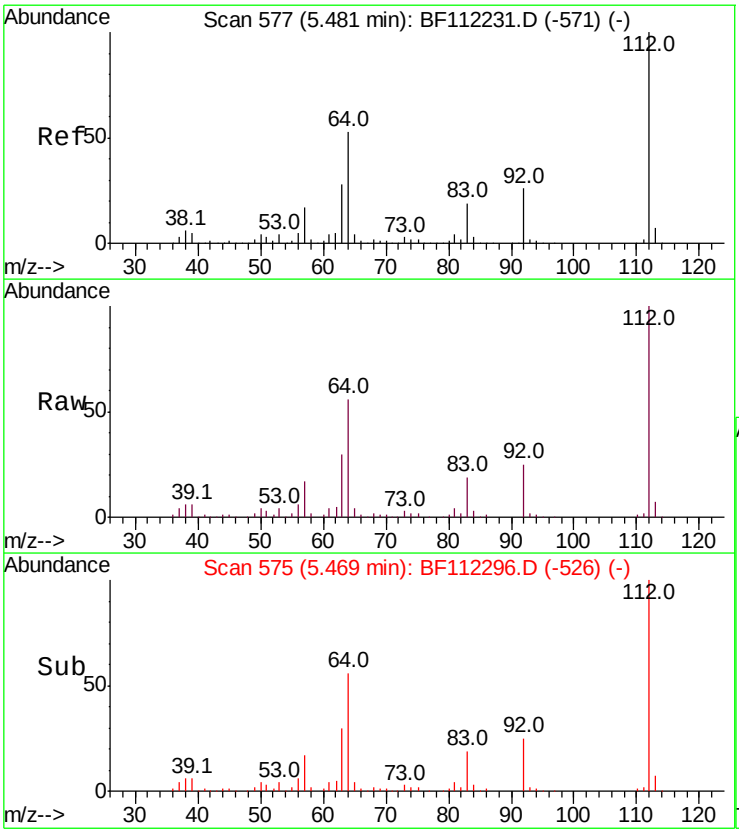
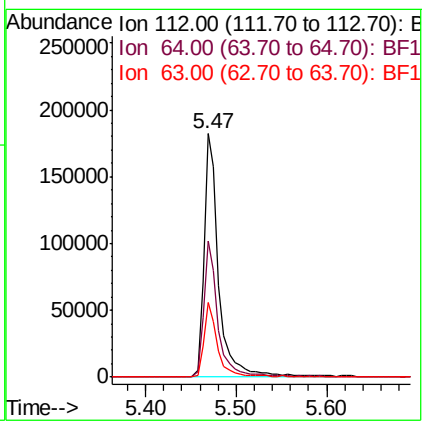
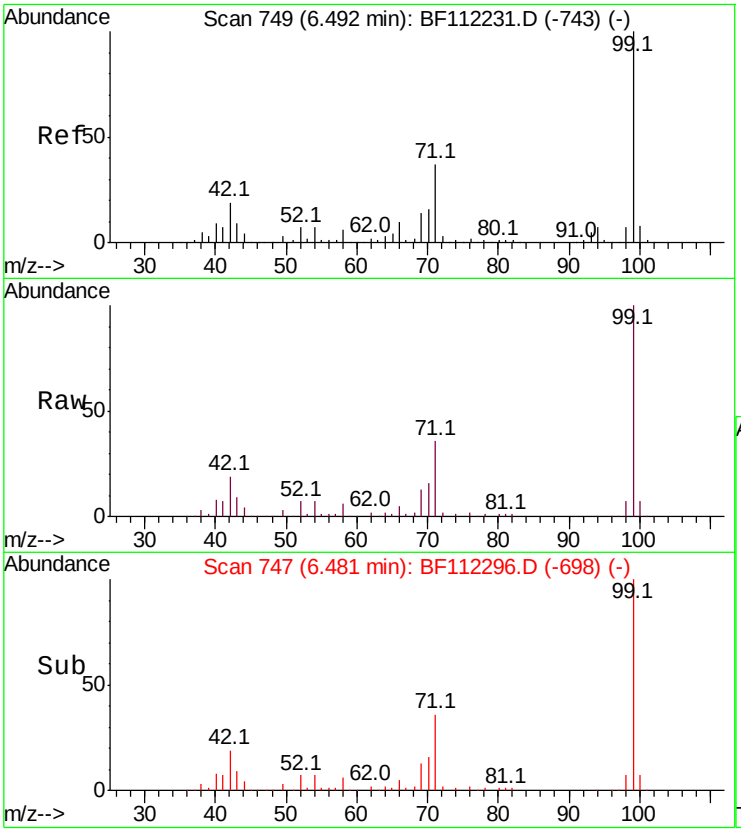


#5
2-Fluorophenol
Concen: 26.167 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:112 Resp: 208532

Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.7	68.5
63	30.5	23.6	35.4

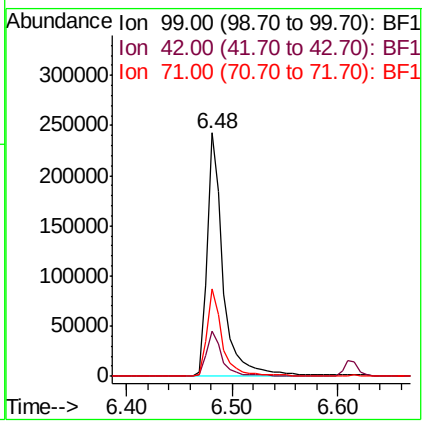




#7
Phenol-d6
Concen: 23.452 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion: 99 Resp: 259699

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.1	22.7
71	36.1	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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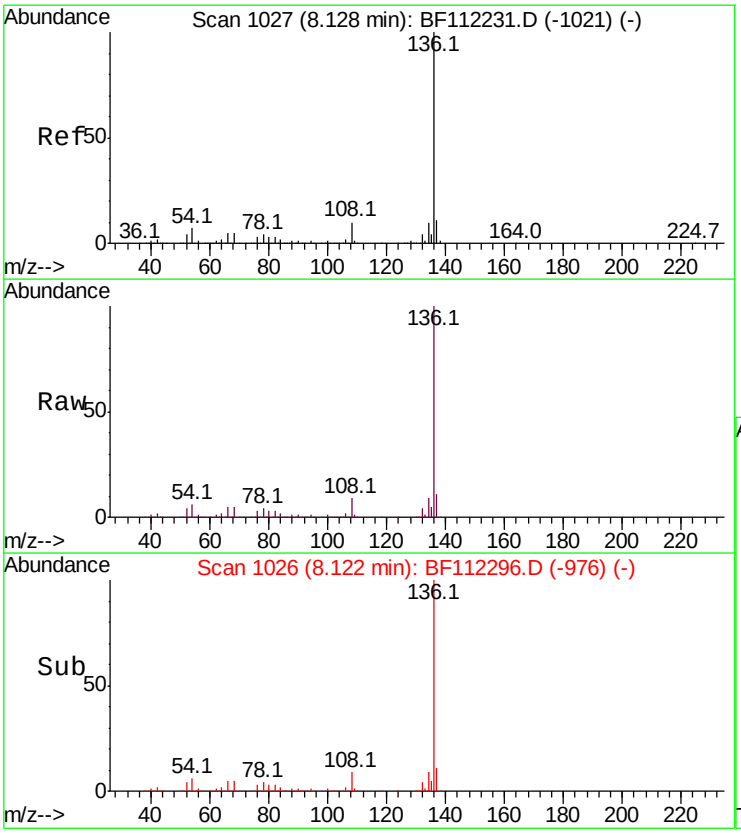
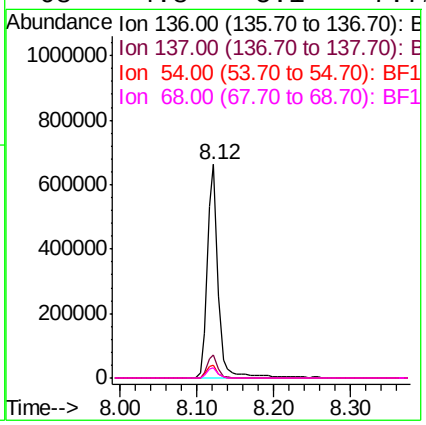
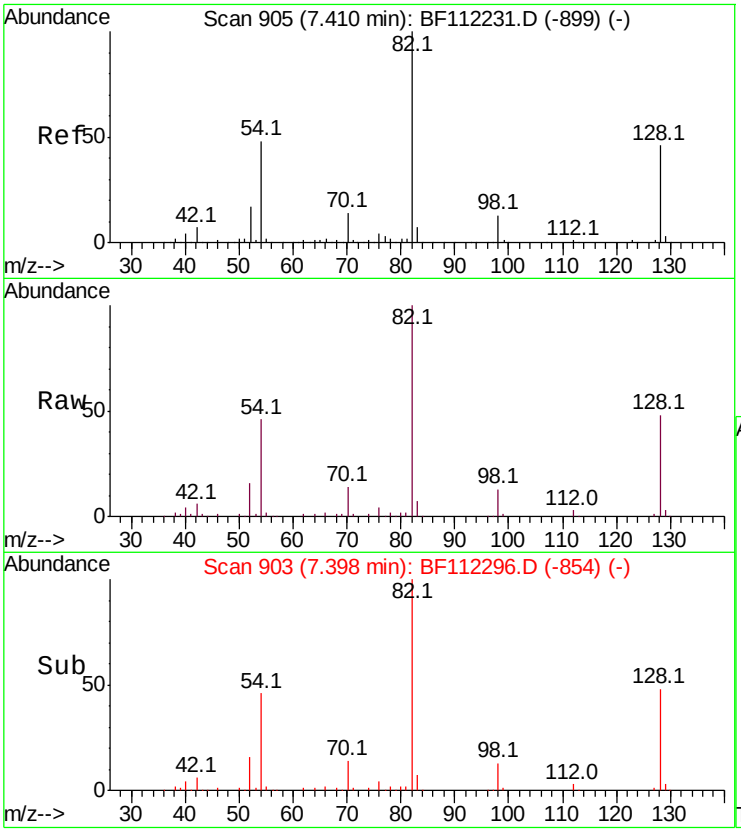


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:136 Resp: 642326

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.0	5.9	8.9
68	4.8	5.1	7.7#

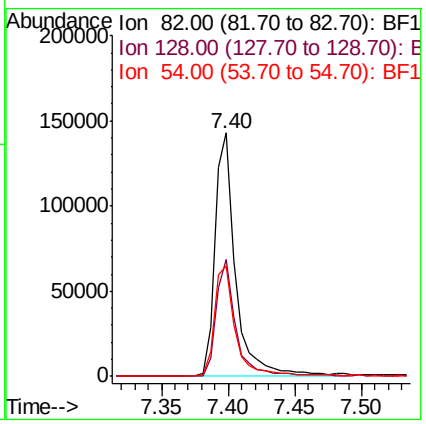




#23
Nitrobenzene-d5
Concen: 14.018 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion: 82 Resp: 156272

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.8	56.8
54	45.6	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

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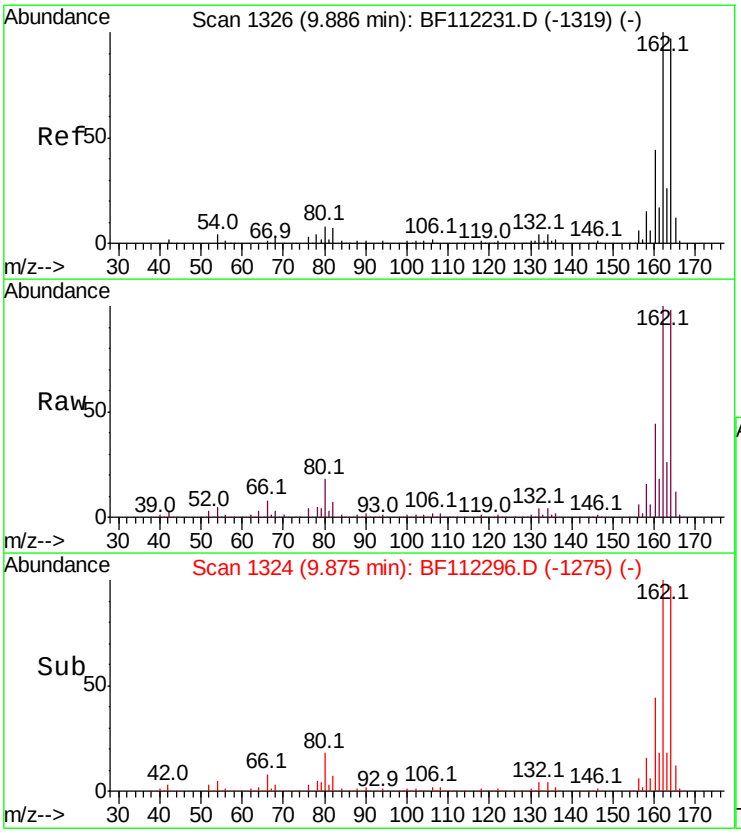
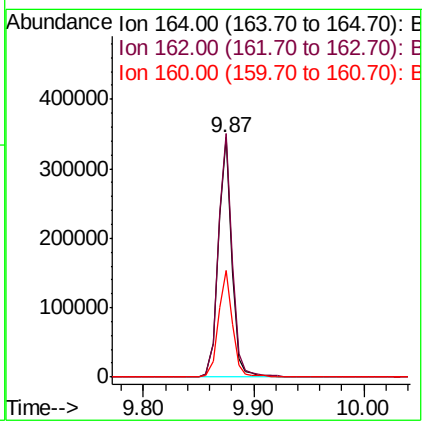
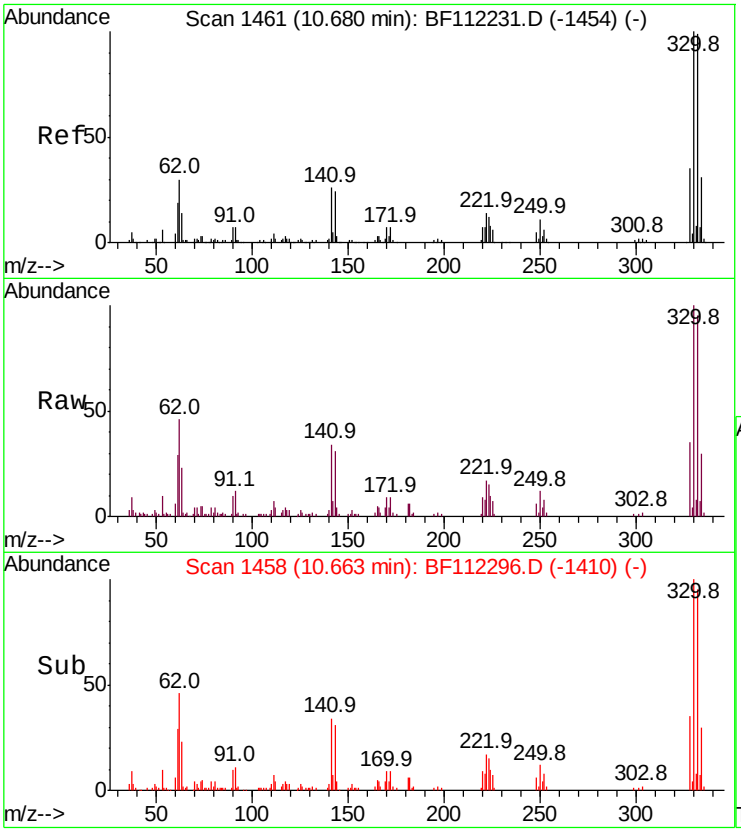


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:164 Resp: 295853

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.4
160	44.4	36.2	54.4

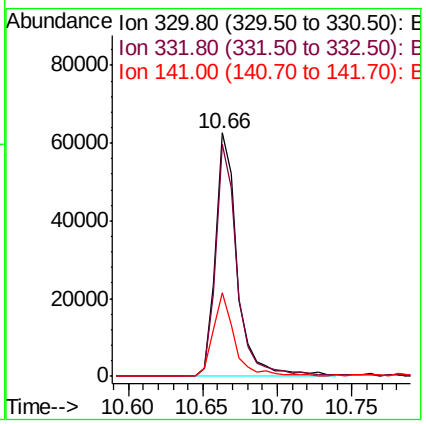




#42
2,4,6-Tribromophenol
Concen: 18.699 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:330 Resp: 64394

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	33.6	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
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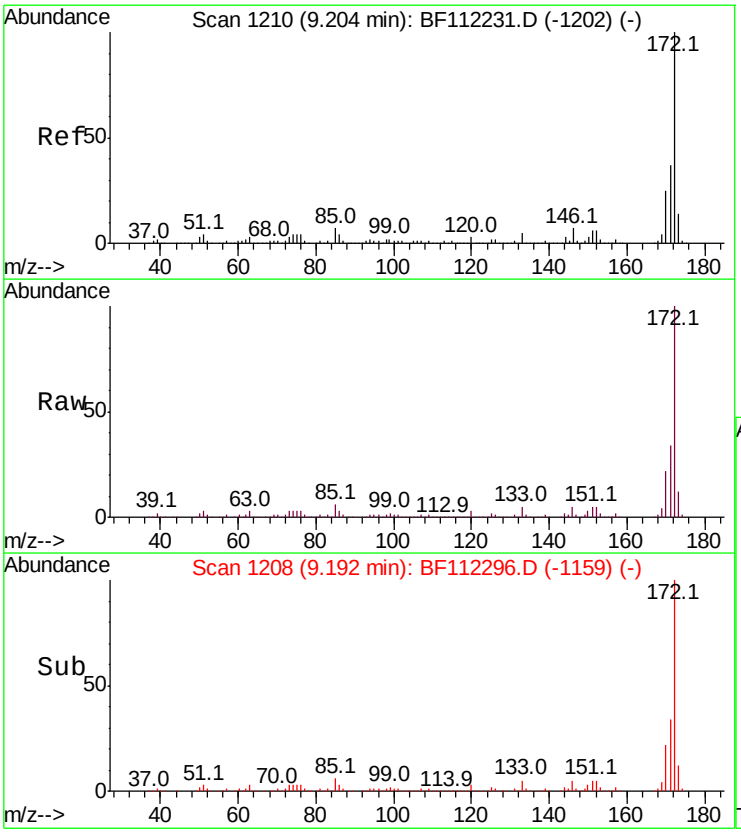
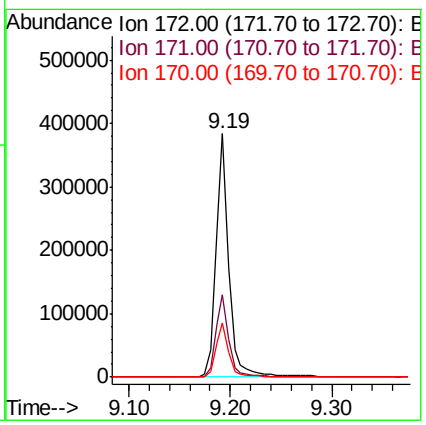
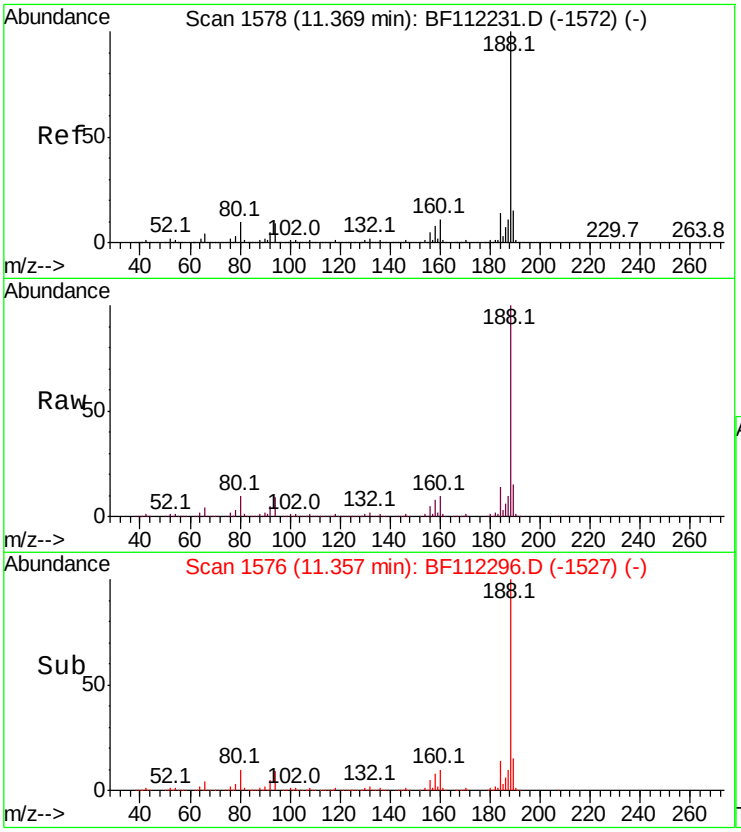


#45
2-Fluorobiphenyl
Concen: 16.296 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:172 Resp: 340884

Ion	Ratio	Lower	Upper
172	100		
171	33.6	30.5	45.7
170	22.1	20.2	30.4

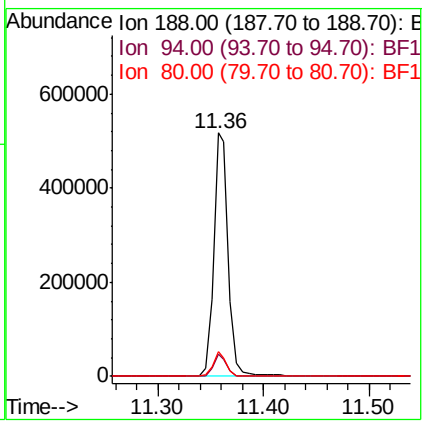




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:188 Resp: 503250

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	10.3	8.9	13.3



Instrument :
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ClientSampleId :
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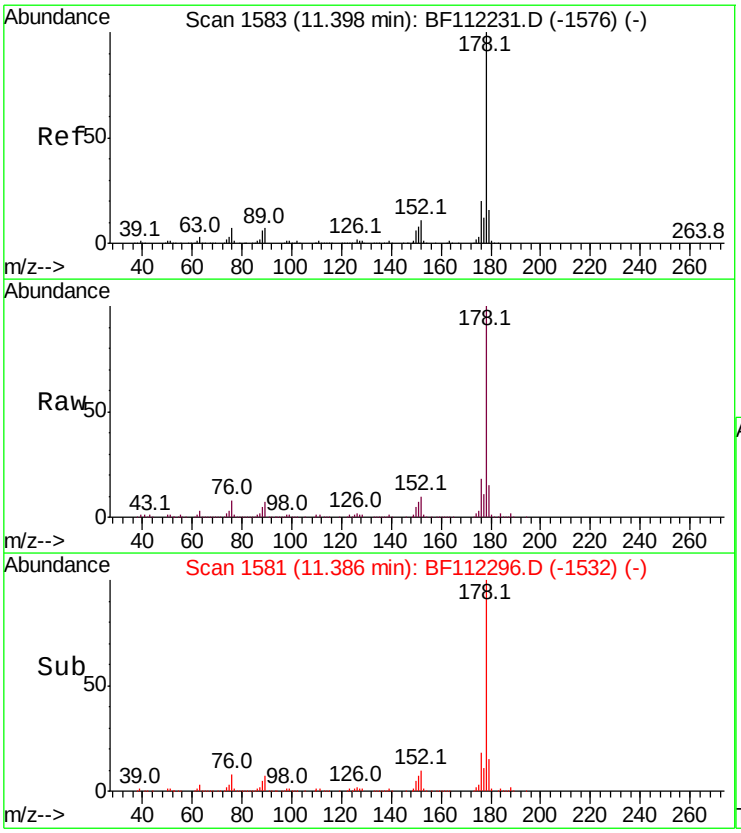
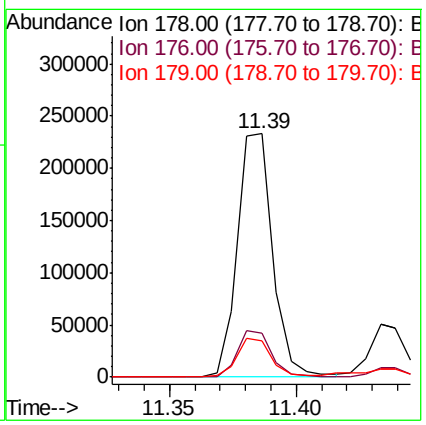
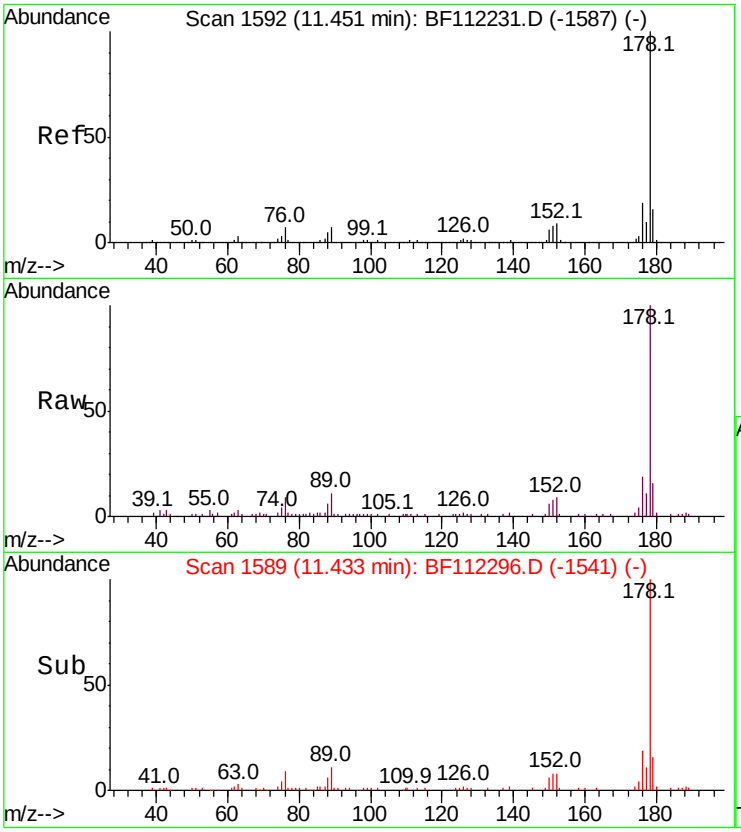


#71
Phenanthrene
Concen: 8.631 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:178 Resp: 225822

Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.3	24.5
179	14.9	13.0	19.4

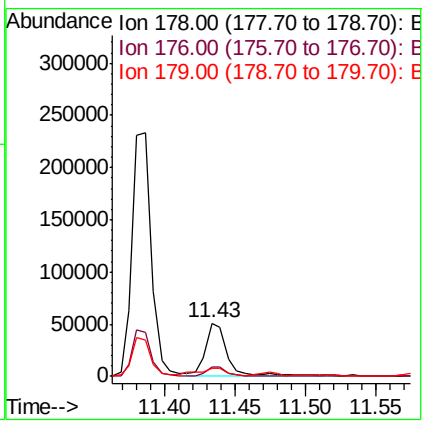




#72
Anthracene
Concen: 2.039 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:178 Resp: 53131

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.0	12.8	19.2



Instrument :
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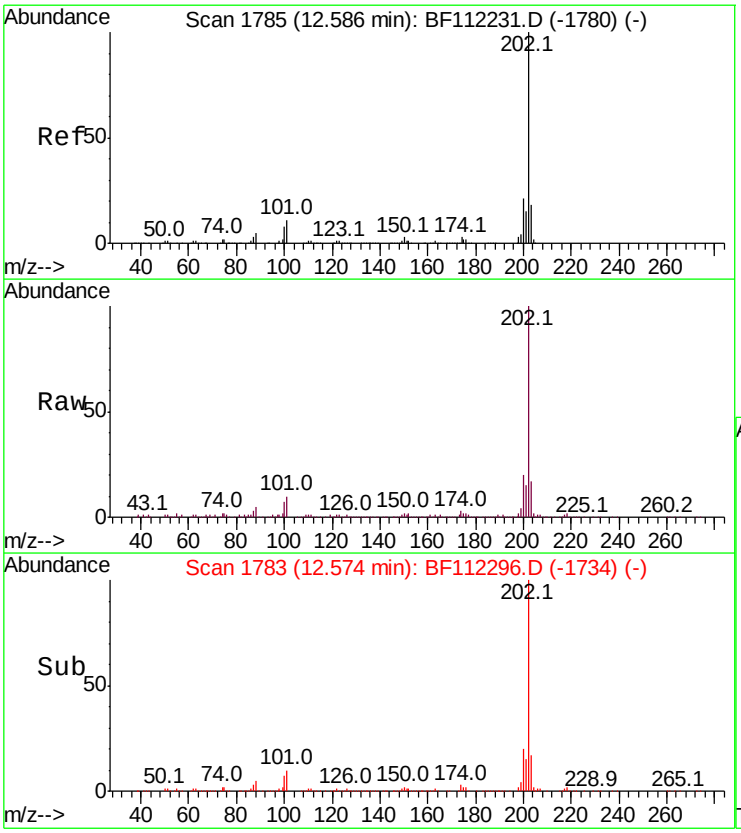
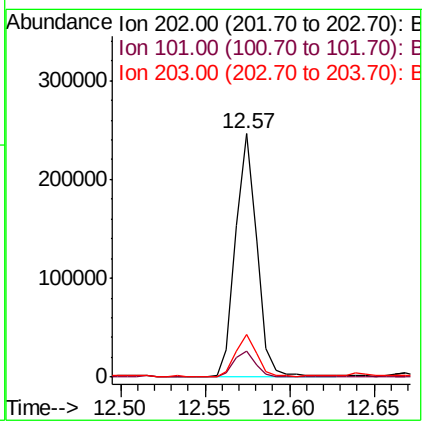
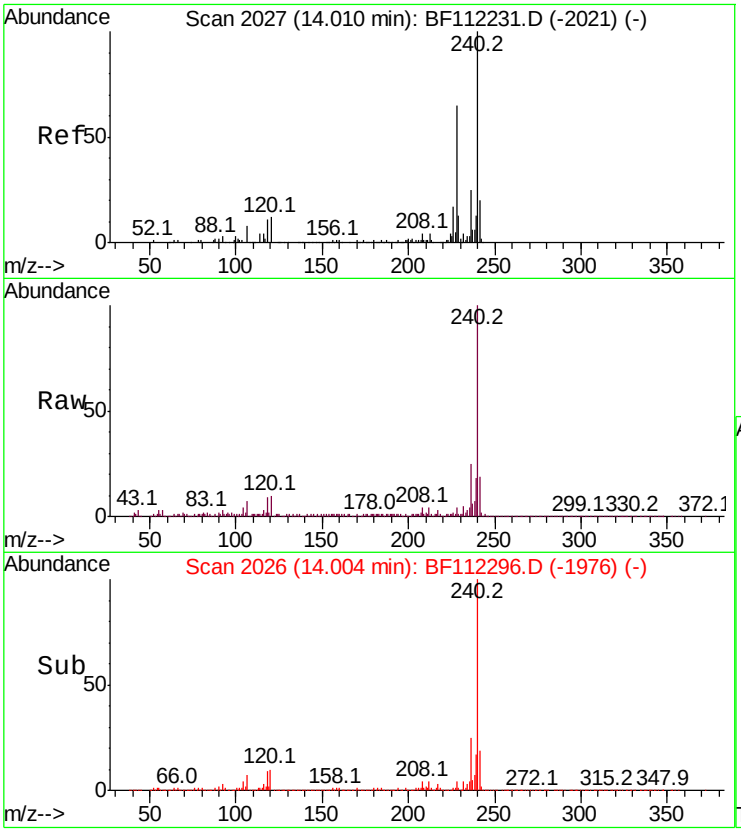


#75
Fluoranthene
Concen: 7.678 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:202 Resp: 215456

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.8
203	17.4	0.0	38.4

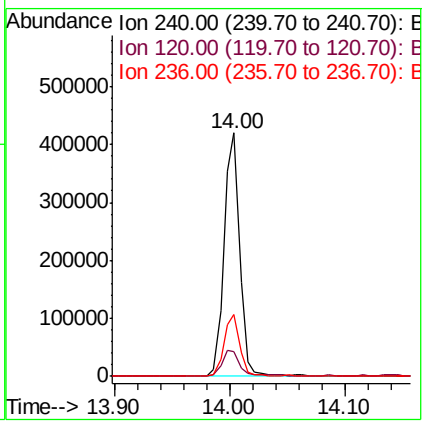




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:240 Resp: 388733

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.6
236	25.2	20.7	31.1



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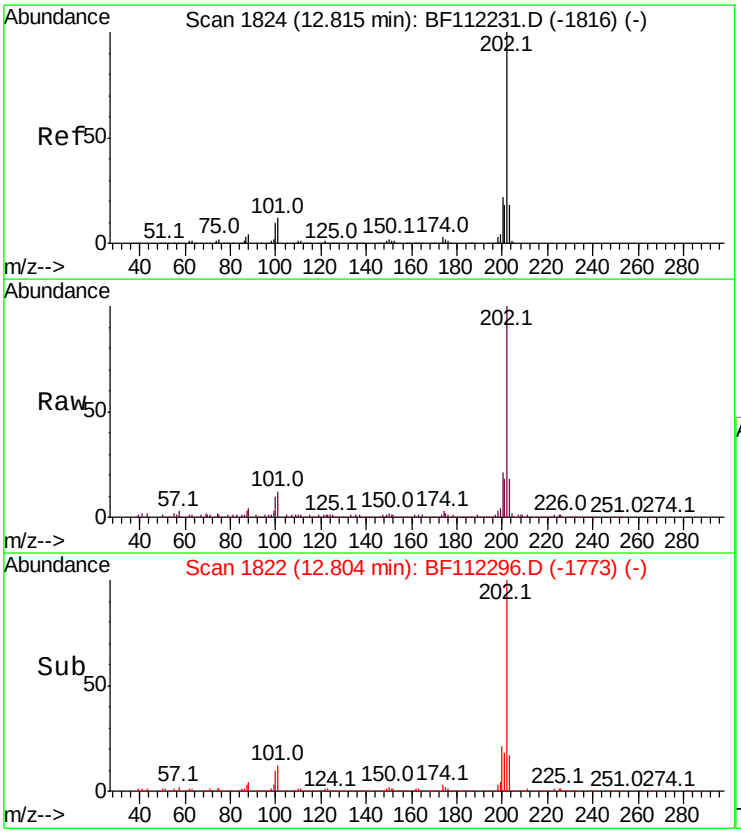
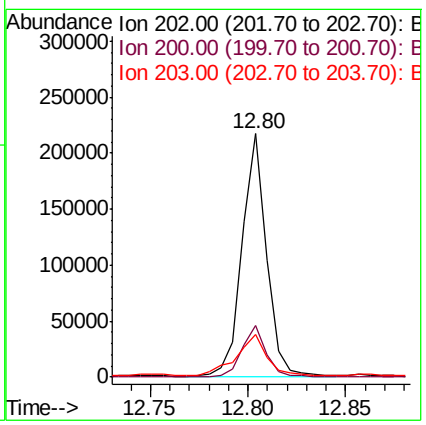
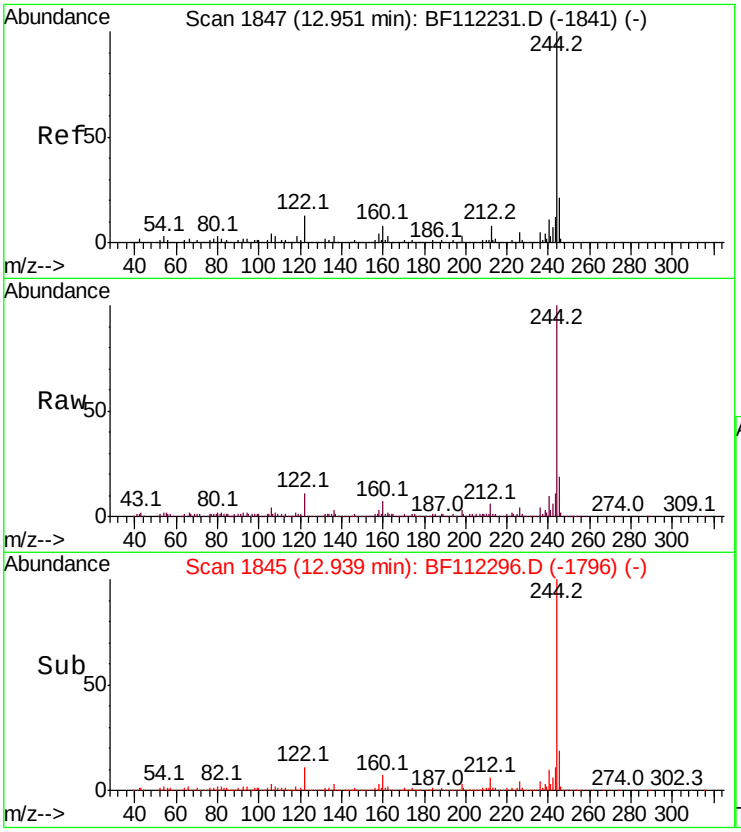


#78
Pyrene
Concen: 7.016 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:202 Resp: 188833

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.7	14.6	22.0

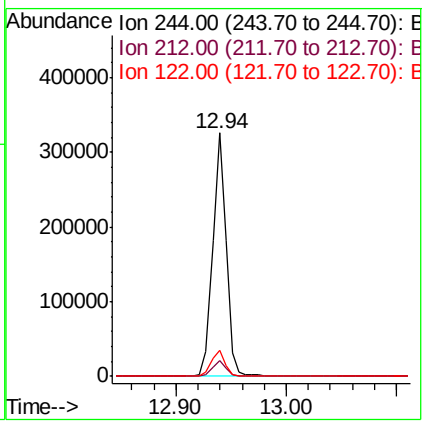




#79
Terphenyl-d14
Concen: 13.282 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:244 Resp: 274126

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.9	8.9
122	10.8	9.8	14.6



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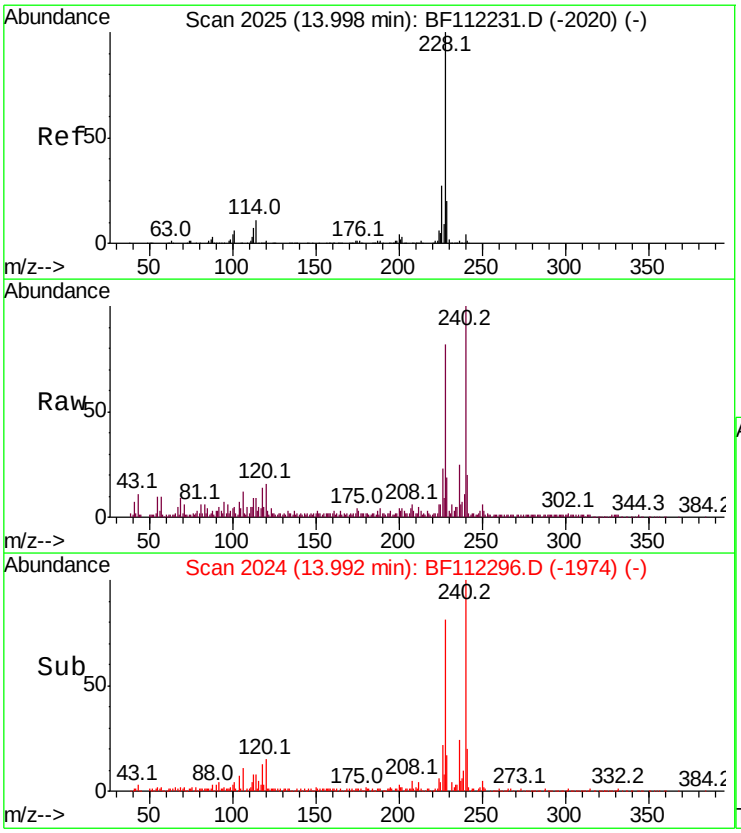
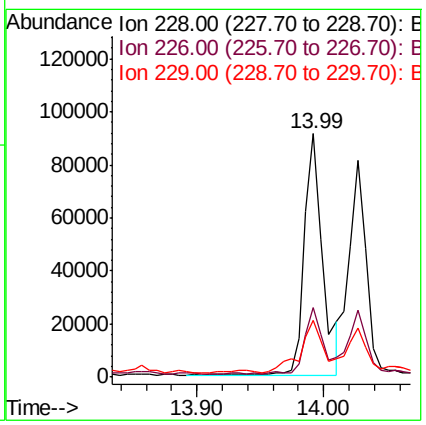
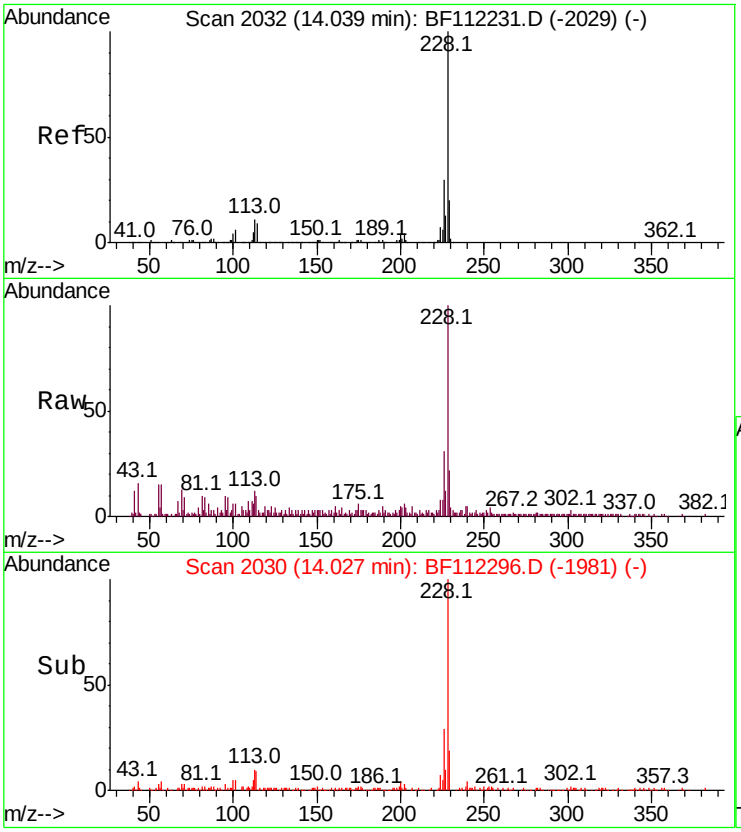


#81
Benzo(a)anthracene
Concen: 4.002 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:228 Resp: 91455

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	23.4	16.5	24.7

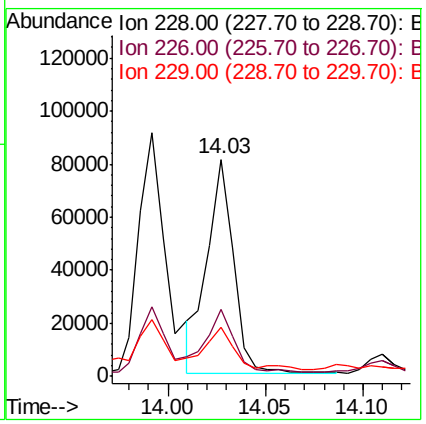




#83
Chrysene
Concen: 3.496 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

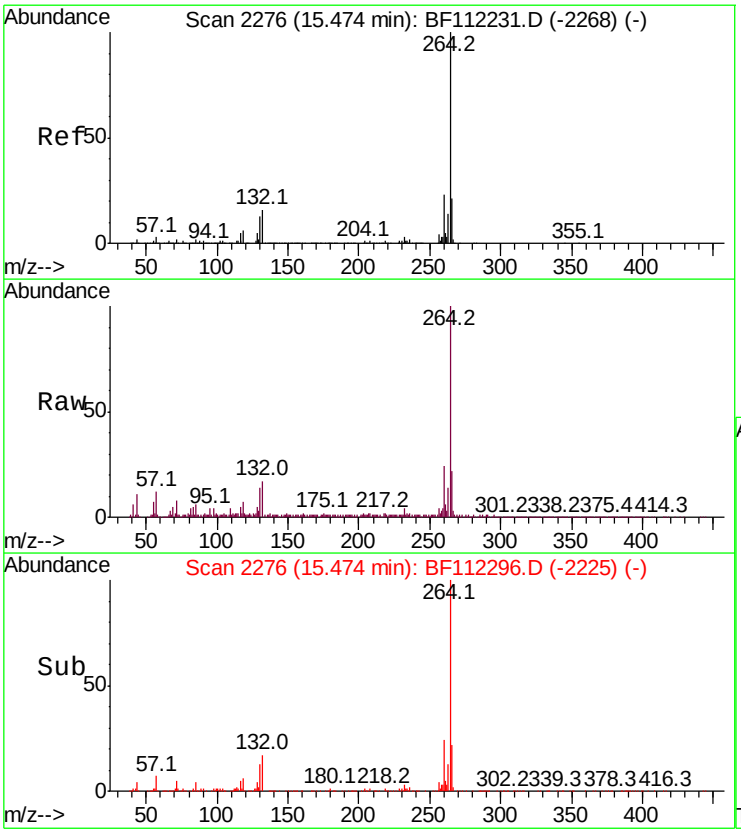
Tgt Ion:228 Resp: 76255

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.3	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

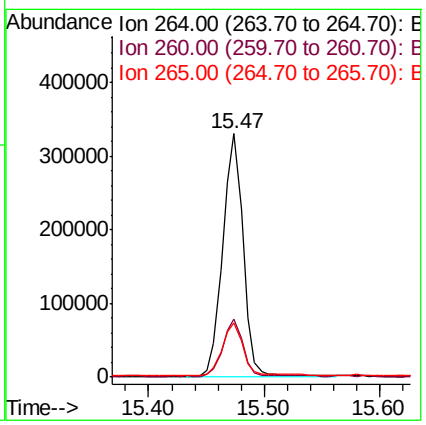
Manual Integrations APPROVED
mohammad
1/30/2019 11:08:30 AM

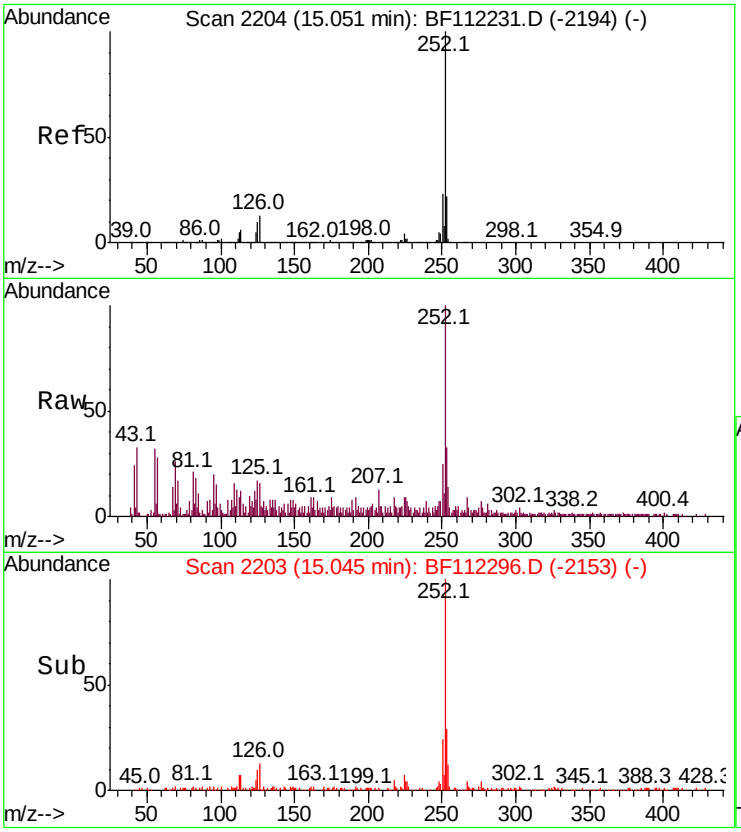


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:264 Resp: 401082

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	22.5	17.0	25.4





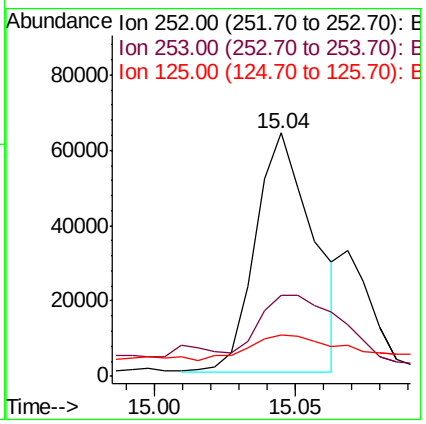
#88
Benzo(b)fluoranthene
Concen: 3.802 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

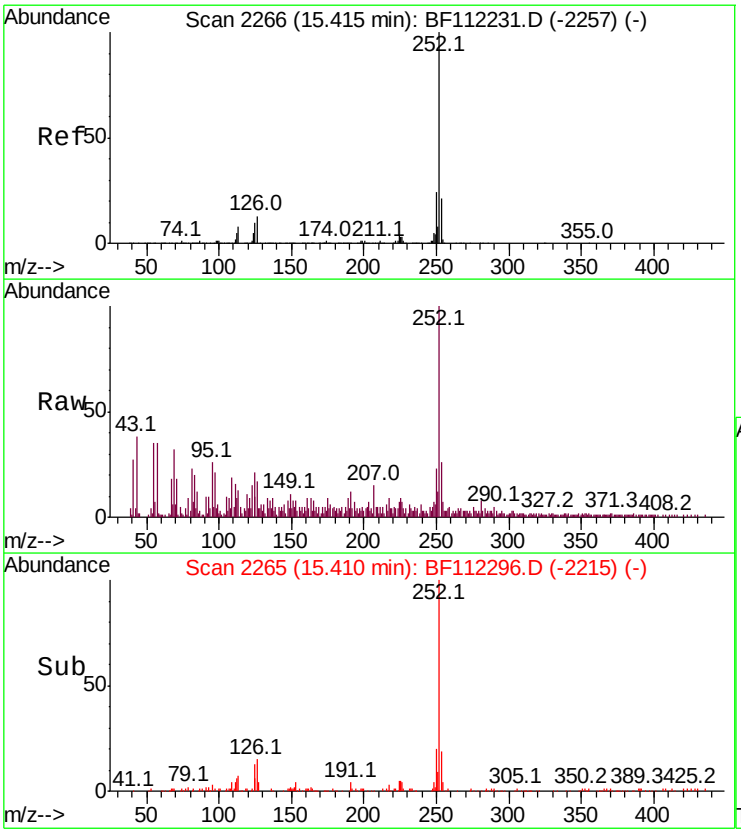
Tgt Ion:252 Resp: 91197

Ion	Ratio	Lower	Upper
252	100		
253	33.1	18.0	27.0#
125	17.1	8.7	13.1#

Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

Manual Integrations APPROVED
mohammad
1/30/2019 11:08:30 AM





#90
Benzo(a)pyrene
Concen: 3.062 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:252 Resp: 66084

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	21.3	9.0	13.4#