

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118041.D
 Acq On : 27 Nov 2019 15:25
 Operator : JU
 Sample : K6021-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-003-E

Manual Integrations
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Quant Time: Nov 27 16:08:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	139545	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	551720	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	289061	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	502997	20.00	ng	0.00
76) Chrysene-d12	14.07	240	312685	20.00	ng	-0.01
87) Perylene-d12	15.58	264	366447	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	730231	92.63	ng	0.00
7) Phenol-d6	6.51	99	1014862	106.73	ng	-0.01
23) Nitrobenzene-d5	7.45	82	617276	66.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	233401	76.27	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1122038	69.64	ng	-0.02
79) Terphenyl-d14	13.02	244	1035569	60.53	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.64	163	214455	10.580	ng	98
71) Phenanthrene	11.45	178	186516	7.375	ng	99
78) Pyrene	12.87	202	219593	8.690	ng	98
81) Benzo(a)anthracene	14.06	228	96238	4.658	ng	98
83) Chrysene	14.10	228	103339	5.161	ng	96
86) Indeno(1,2,3-cd)pyrene	17.09	276	43114m	2.530	ng	
88) Benzo(b)fluoranthene	15.13	252	113589m	4.771	ng	
90) Benzo(a)pyrene	15.51	252	73674	3.519	ng	96
92) Benzo(g,h,i)perylene	17.55	276	40974	2.283	ng	94

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

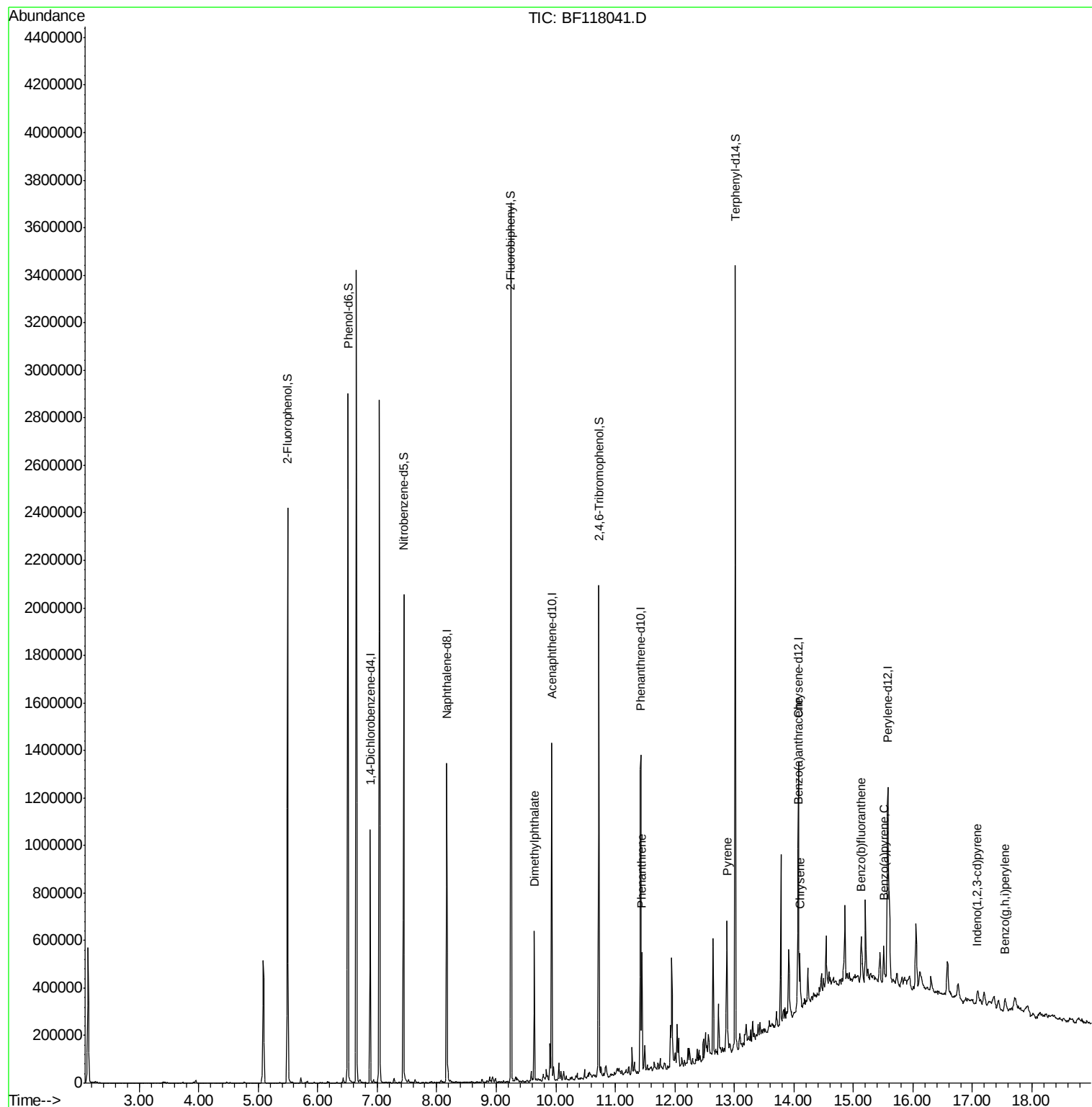
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118041.D
Acq On : 27 Nov 2019 15:25
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Sample : K6021-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

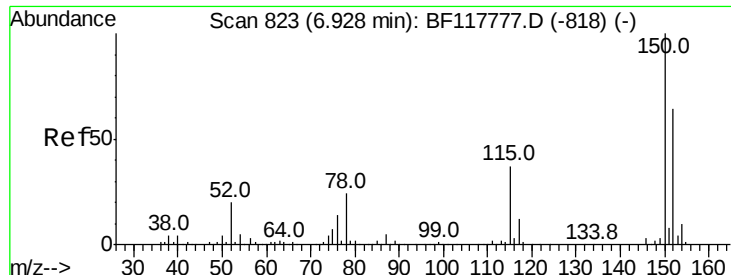
Instrument :
BNA_F
ClientSampled :
SOIL-003-E

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#1

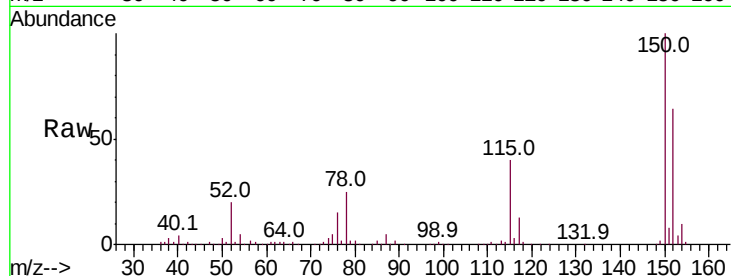
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.3	187.9
115	63.0	47.0	70.4

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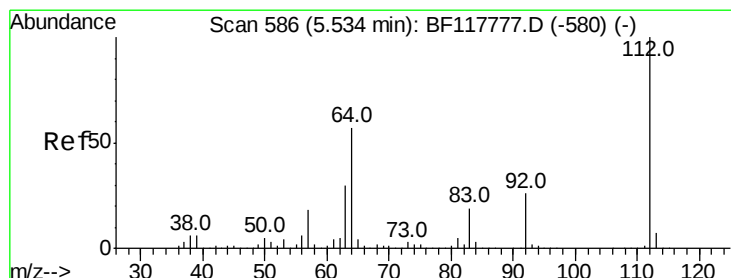
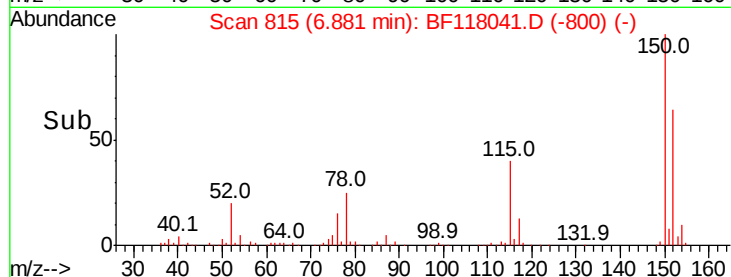
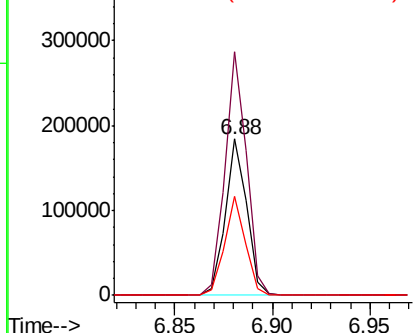


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

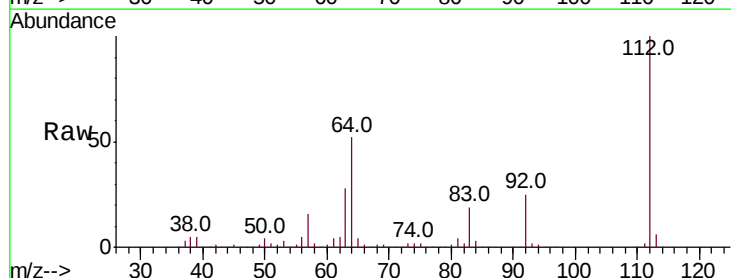
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.629 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.6	68.4
63	27.8	24.1	36.1

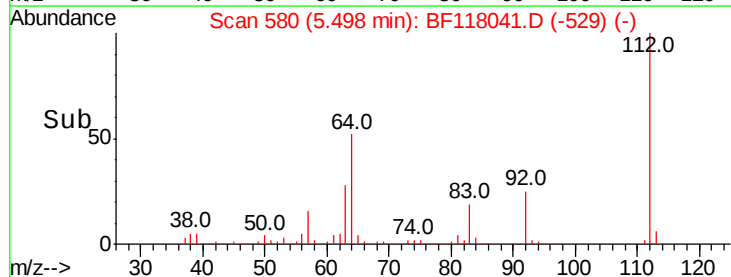
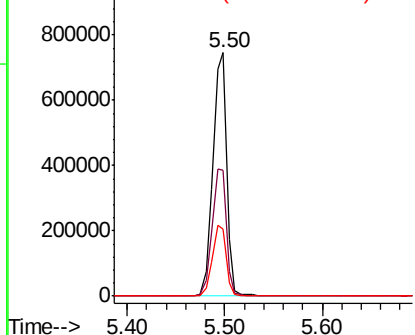


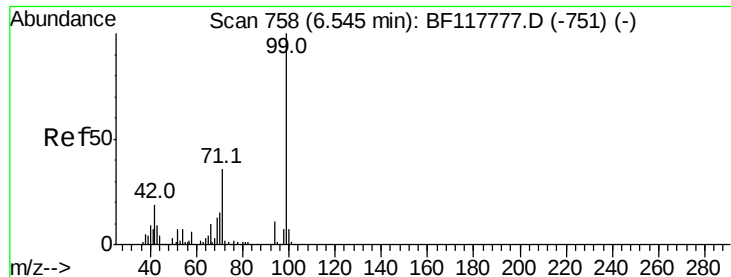
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.730 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampleId :

SOIL-003-E

Tot Ion: 99 Resp: 1014862

Ion Ratio Lower Upper

99 100

42 16.9 14.9 22.3

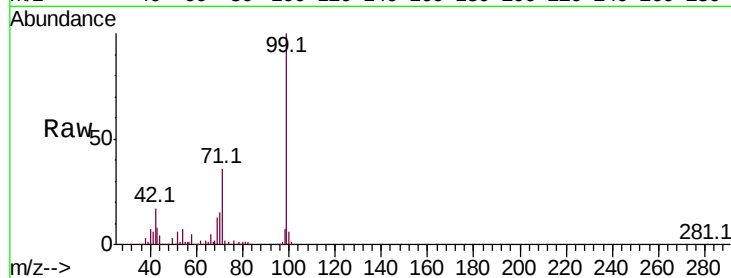
71 36.3 28.6 43.0

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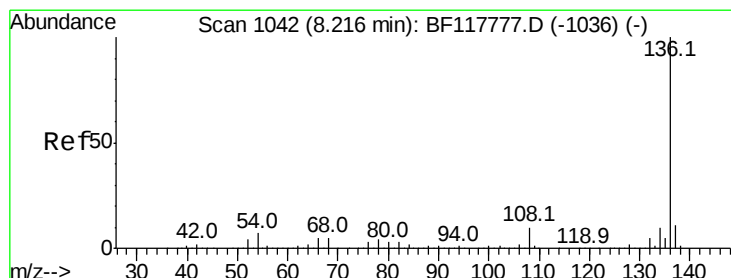
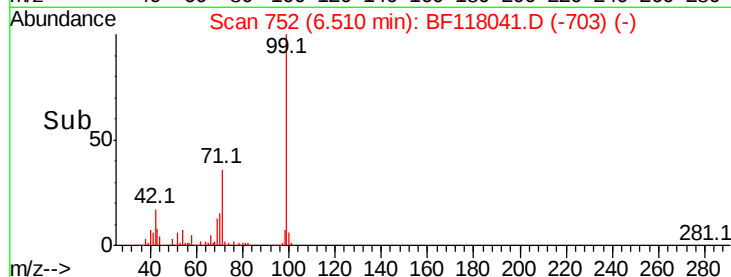
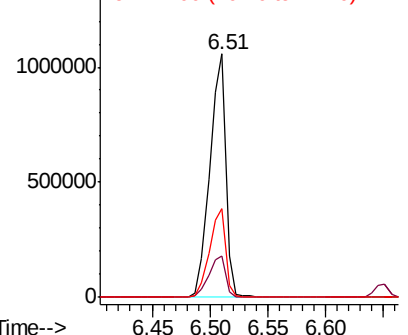
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Tgt Ion: 136 Resp: 551720

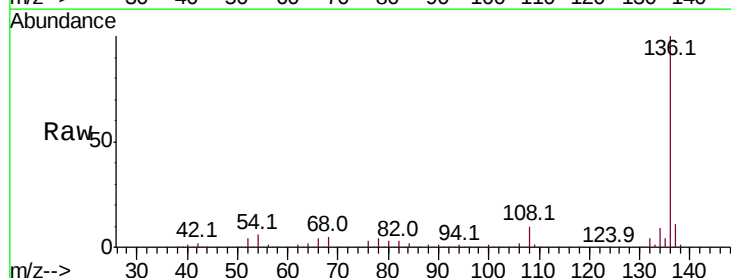
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.1 5.4 8.2

68 4.6 4.3 6.5

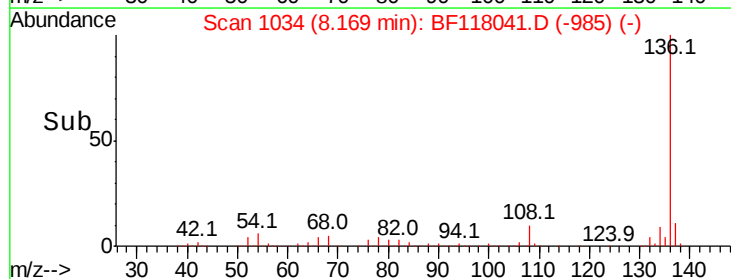
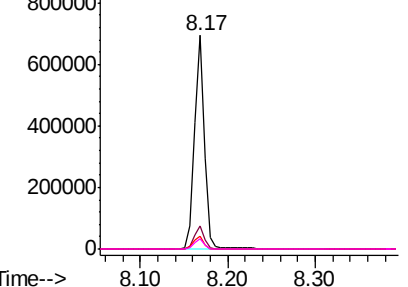


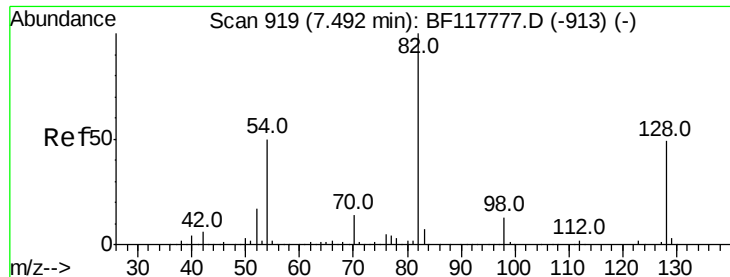
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





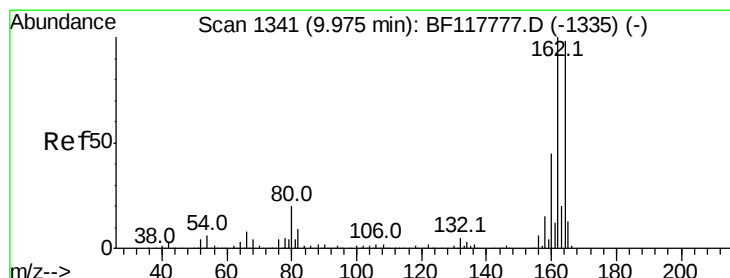
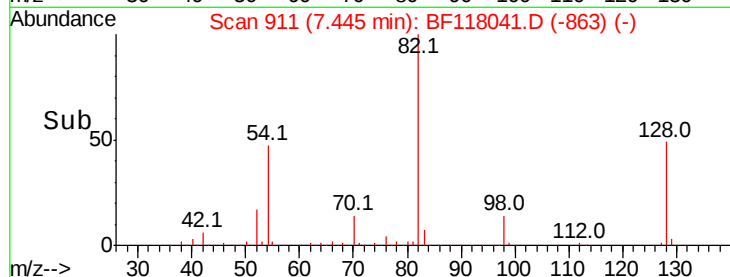
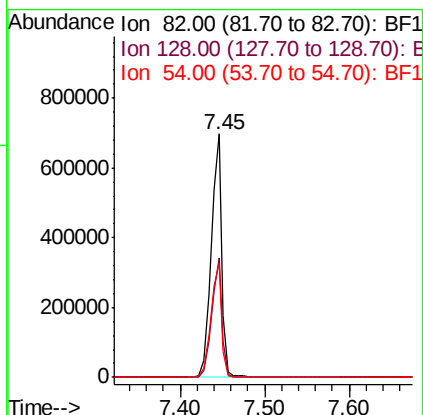
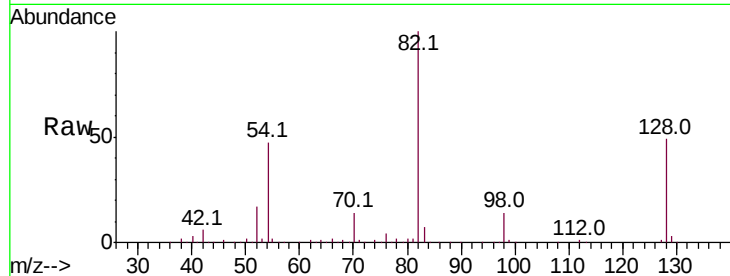
#23
Nitrobenzene-d5
Concen: 66.509 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.1	38.9	58.3
54	46.9	39.8	59.6

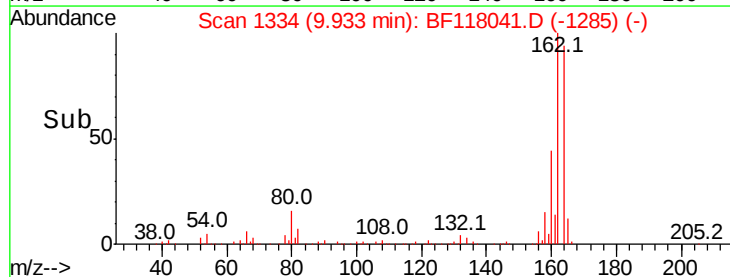
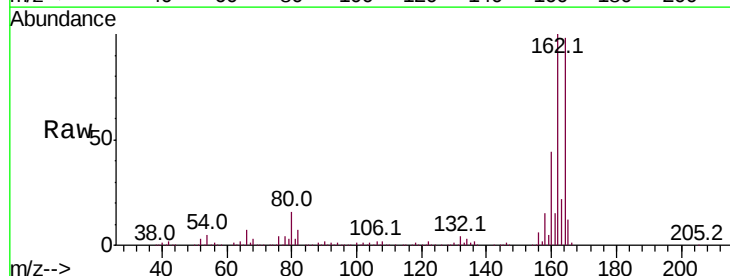
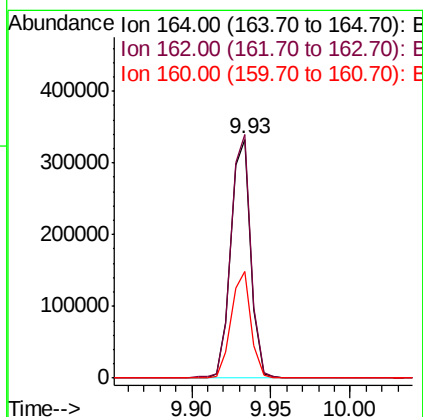
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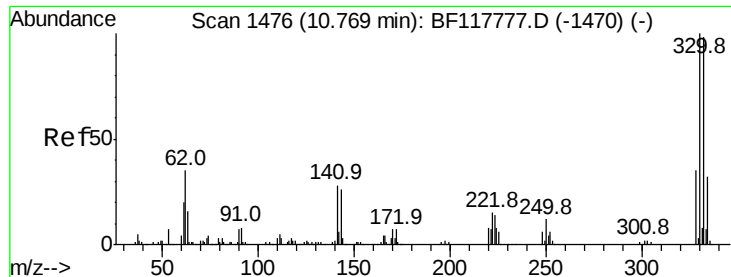
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.3	121.9
160	44.6	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 76.268 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

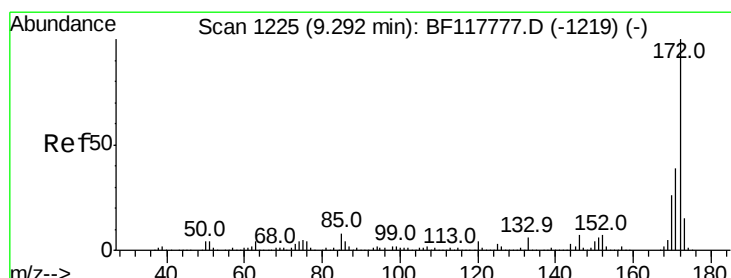
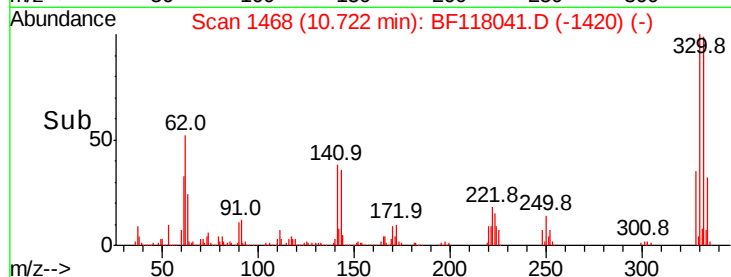
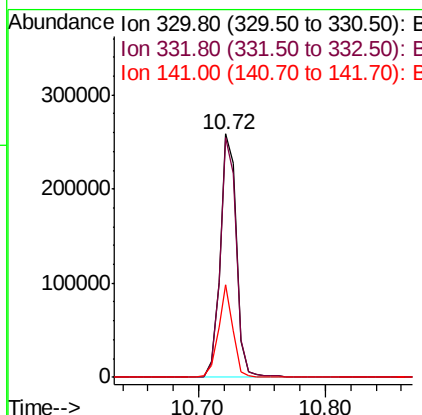
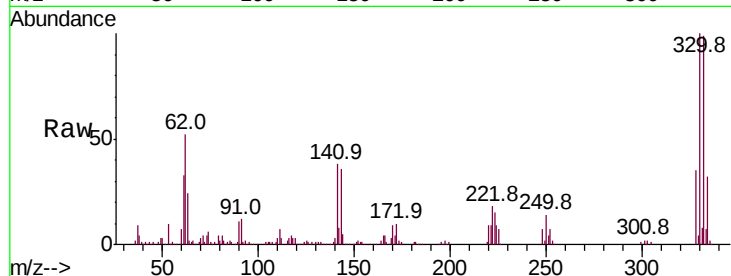
ClientSampleId :

SOIL-003-E

Tot Ion:	330	Resp:	233401
Ion Ratio	Lower	Upper	
330	100		
332	97.8	76.7	115.1
141	34.8	27.7	41.5

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#45

2-Fluorobiphenyl

Concen: 69.638 ng

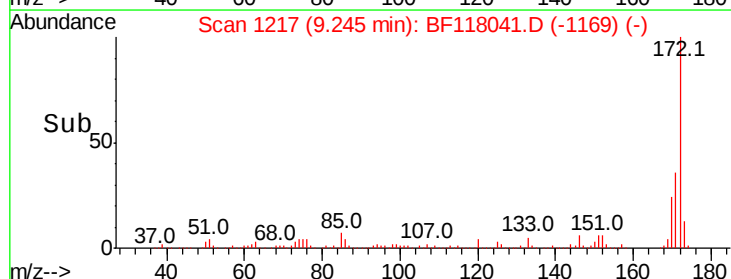
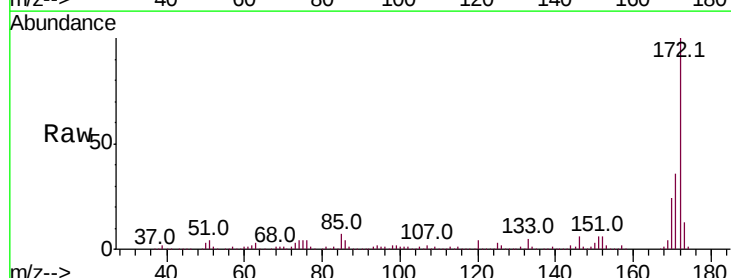
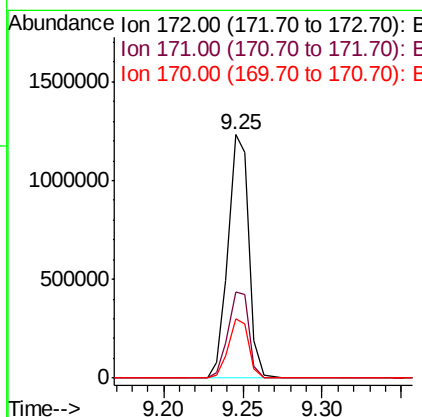
RT: 9.25 min Scan# 1217

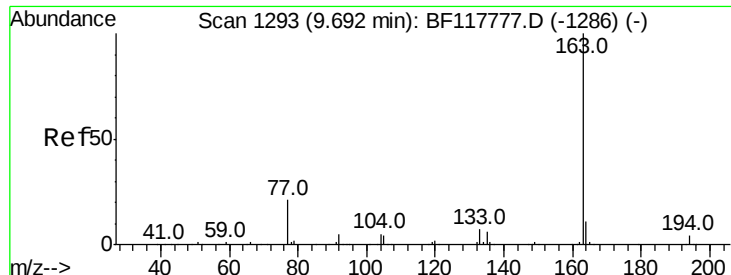
Delta R.T. -0.02 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Tgt Ion:	172	Resp:	1122038
Ion Ratio	Lower	Upper	
172	100		
171	35.6	30.9	46.3
170	24.1	21.0	31.4





#50

Dimethylphthalate

Concen: 10.580 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

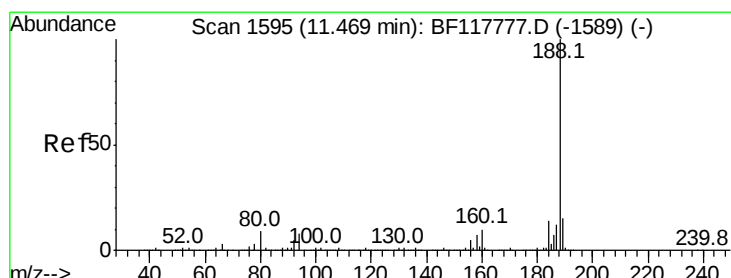
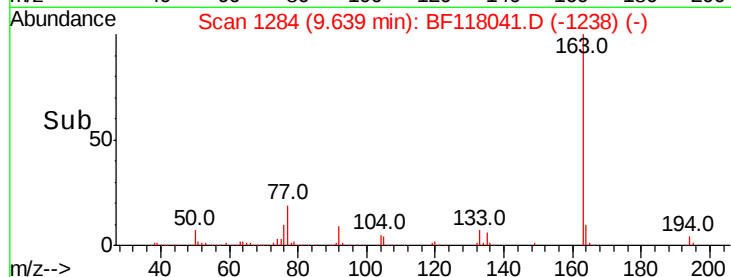
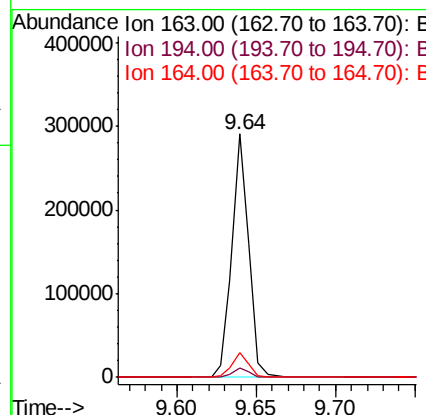
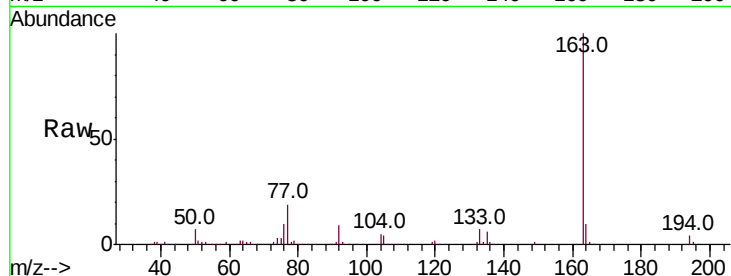
ClientSampleId :

SOIL-003-E

Tot Ion:	163	Resp:	214455
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.3	4.9
164	10.2	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

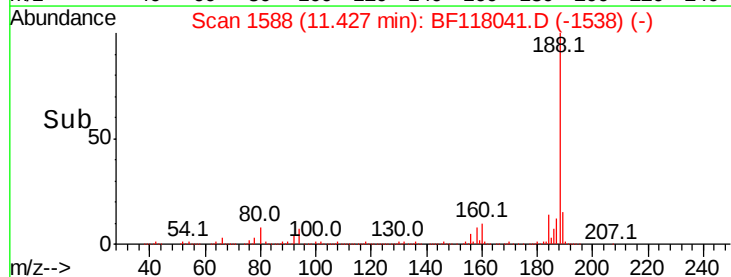
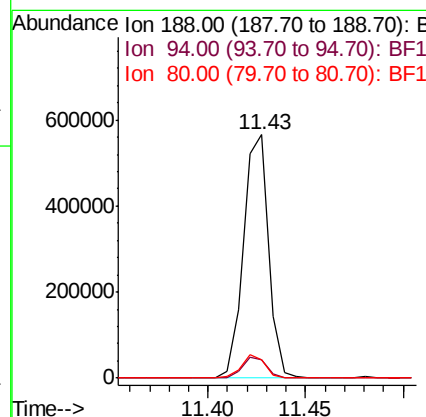
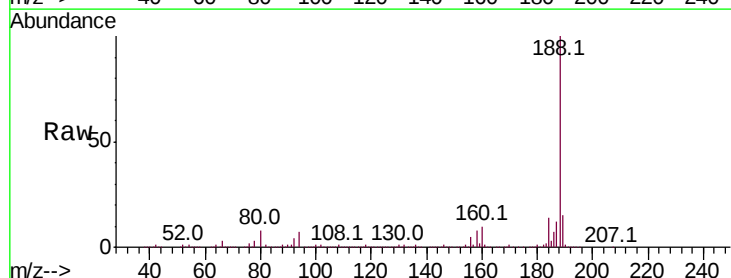
RT: 11.43 min Scan# 1588

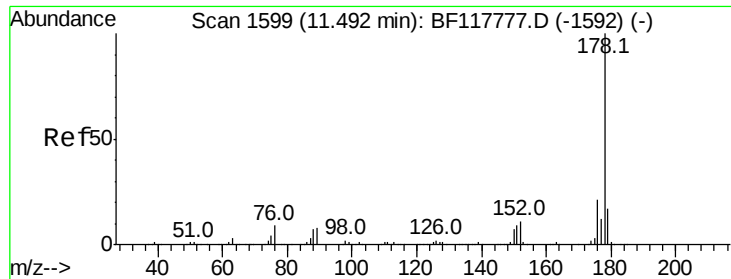
Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Tgt Ion:	188	Resp:	502997
Ion Ratio	Lower	Upper	
188	100		
94	7.3	6.6	10.0
80	7.7	7.2	10.8





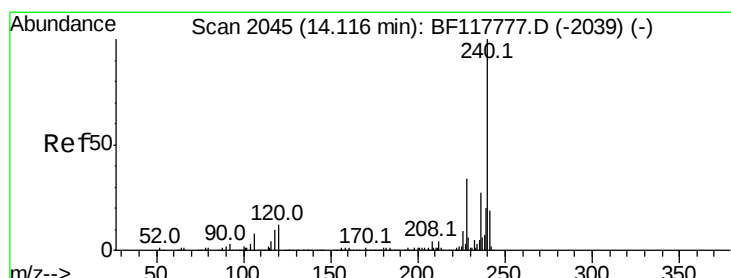
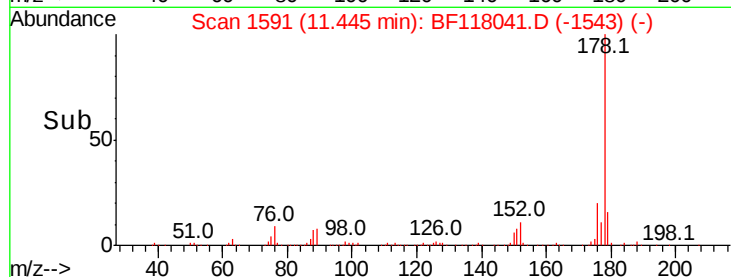
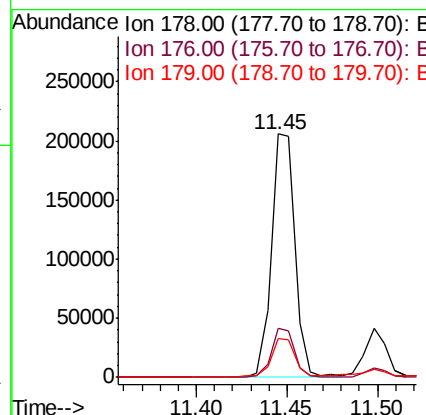
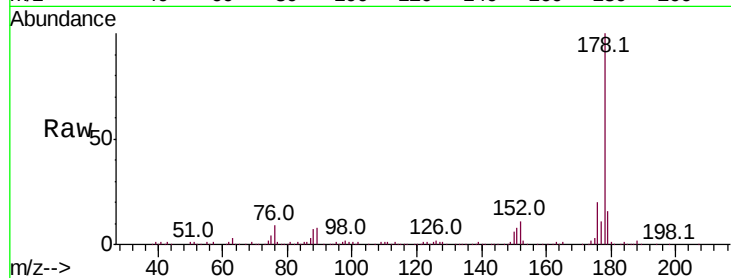
#71
Phenanthrene
Concen: 7.375 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampled :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.6	25.0
179	15.9	13.2	19.8

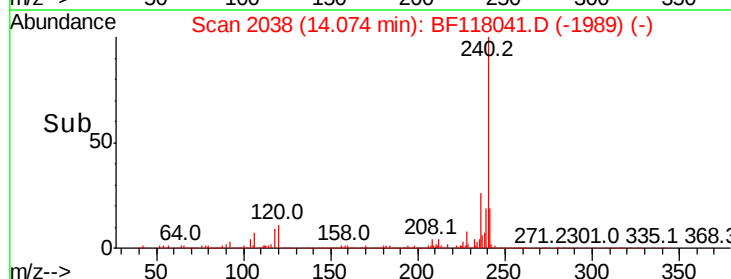
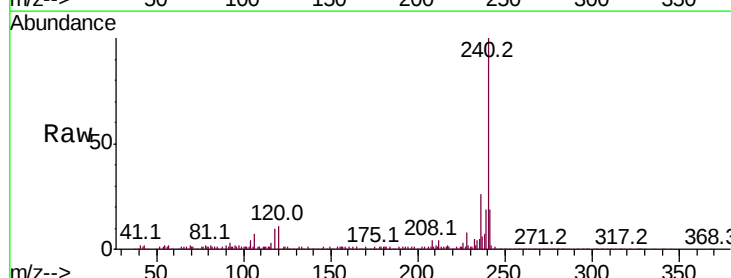
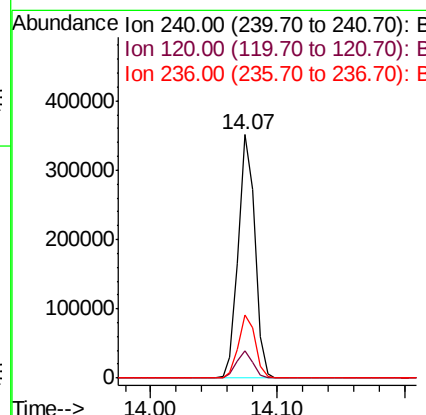
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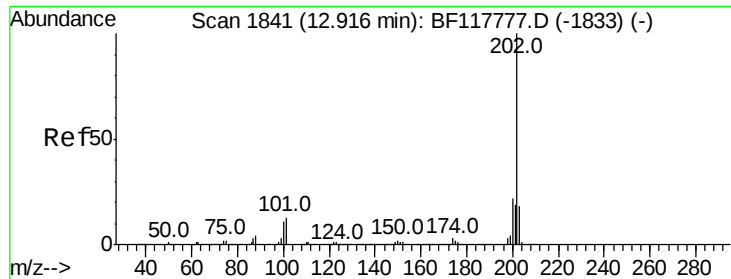
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.2	21.3	31.9





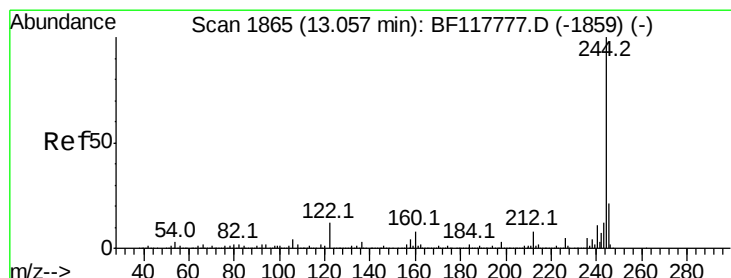
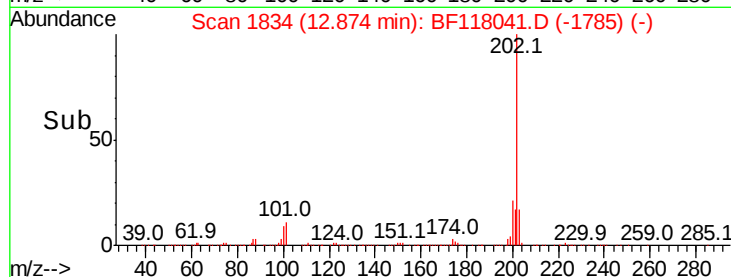
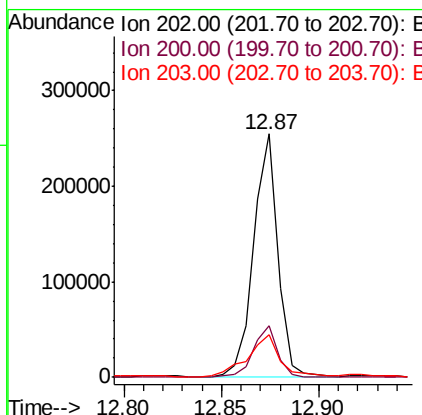
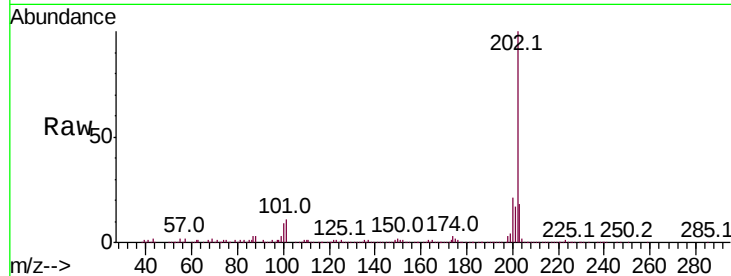
#78
Pvrene
Concen: 8.690 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.8
203	17.5	14.6	22.0

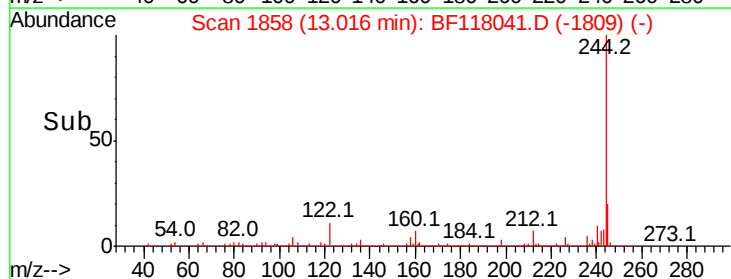
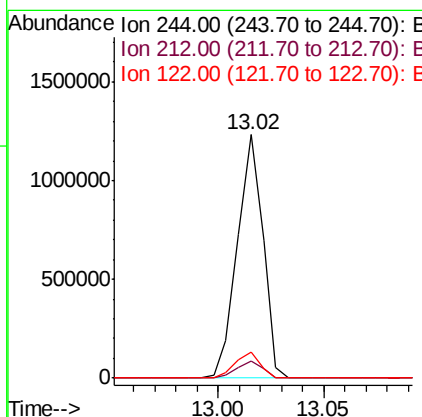
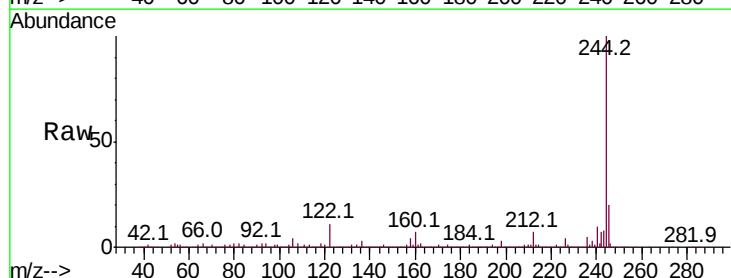
Manual Integrations
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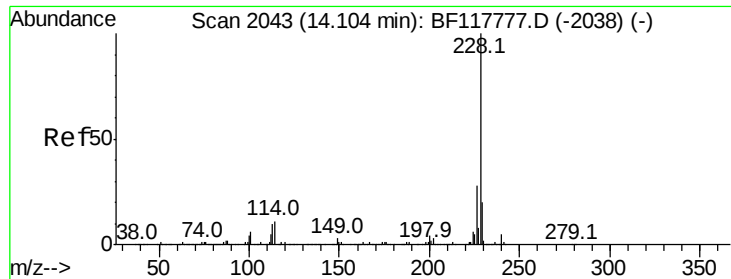
mohammad
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#79
Terphenyl-d14
Concen: 60.528 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	10.8	9.4	14.2





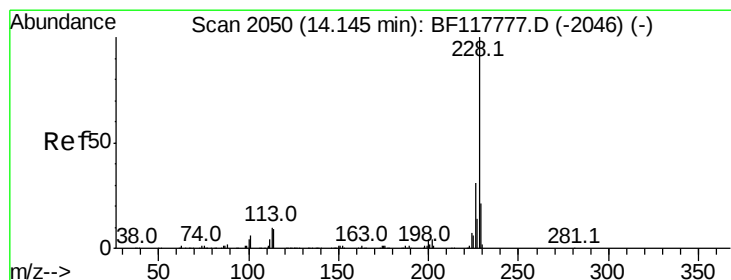
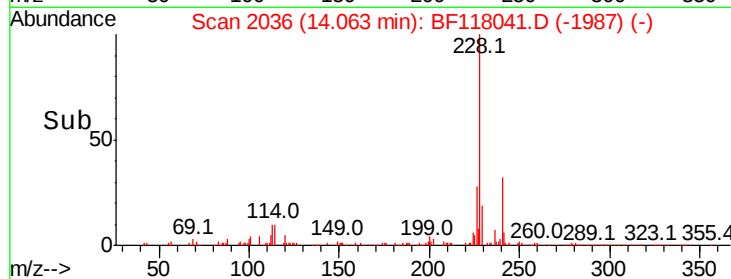
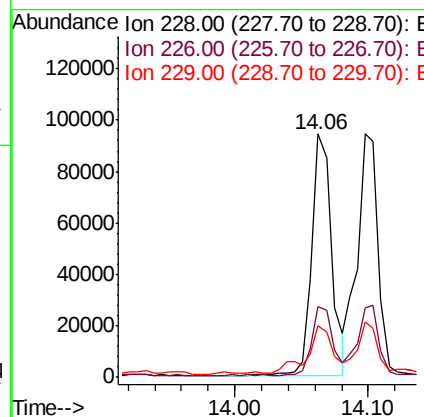
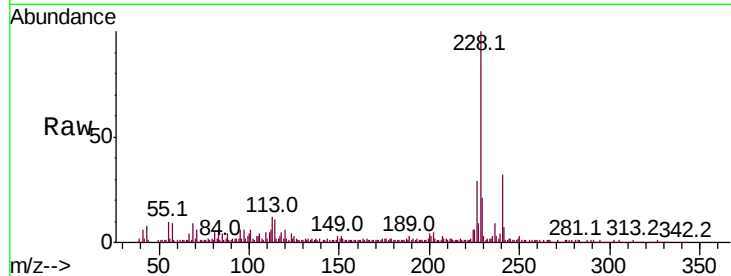
#81
Benzo(a)anthracene
Concen: 4.658 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.2
229	21.0	15.9	23.9

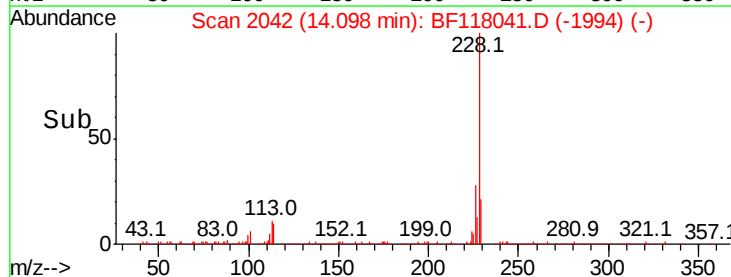
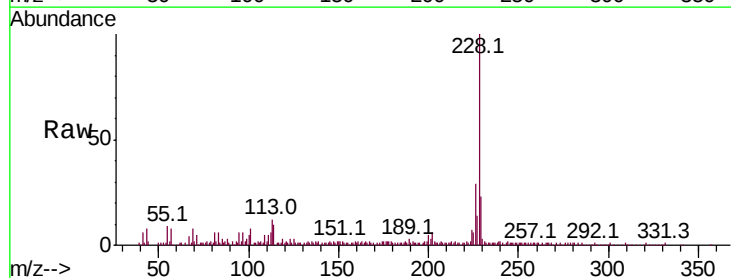
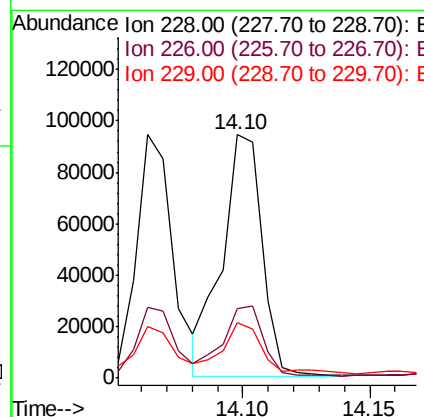
Manual Integrations
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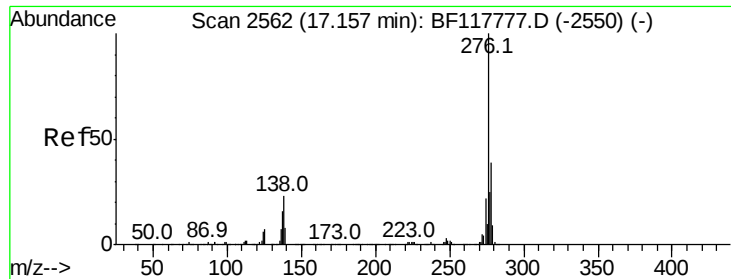
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#83
Chrysene
Concen: 5.161 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.4
229	22.7	16.6	25.0





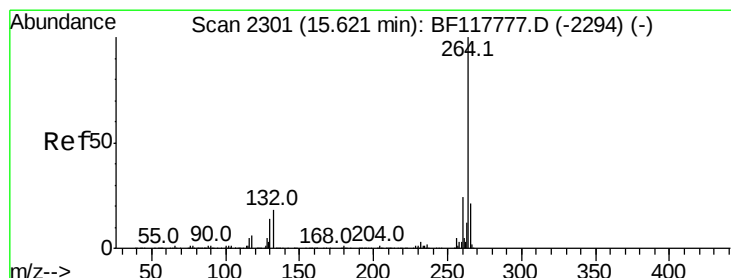
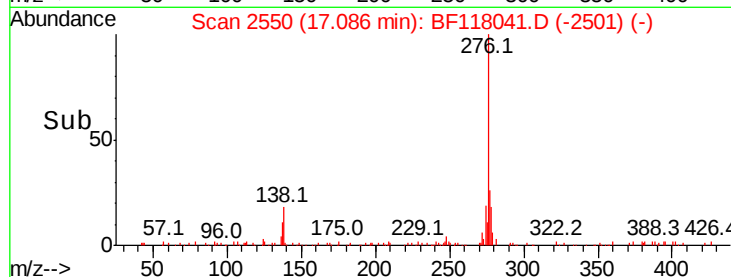
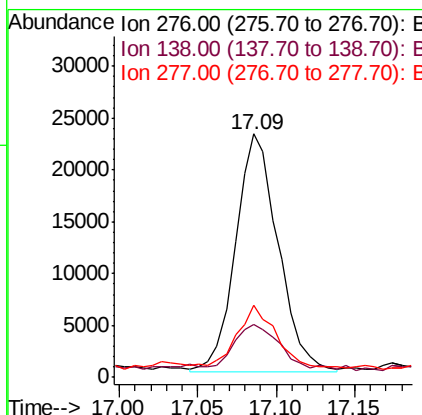
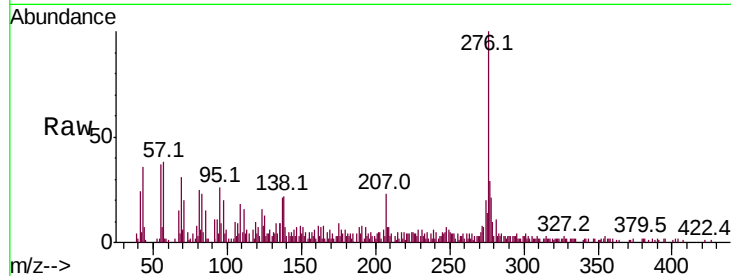
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.530 ng/ml
RT: 17.09 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.6	20.9	31.3#
277	1.5	20.3	30.5#

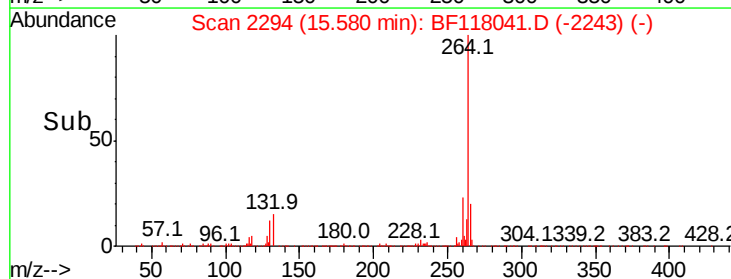
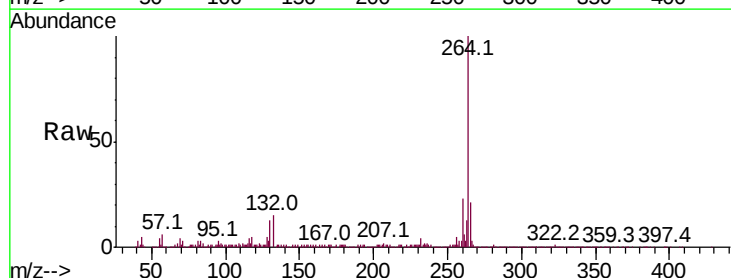
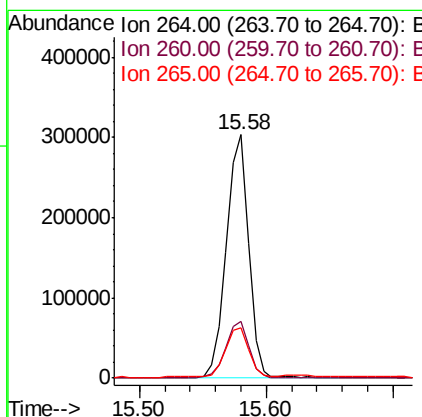
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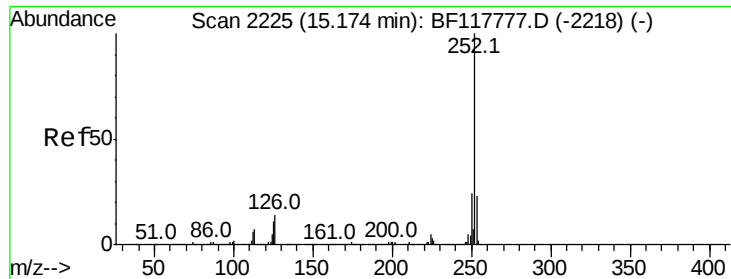
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	20.8	17.1	25.7





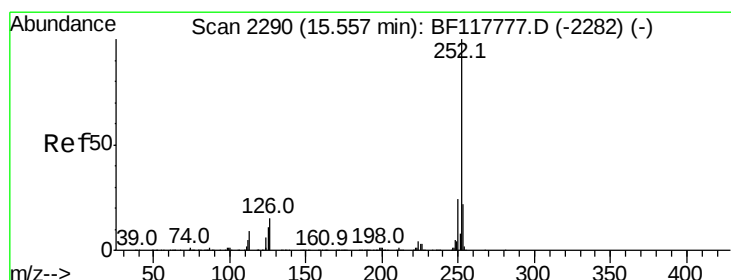
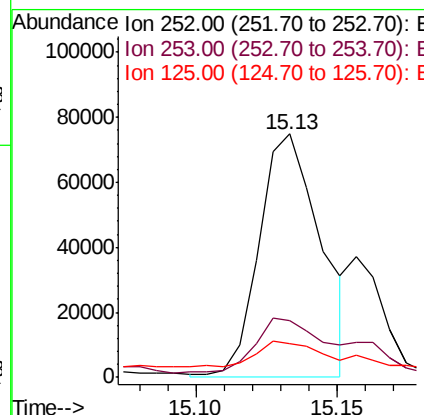
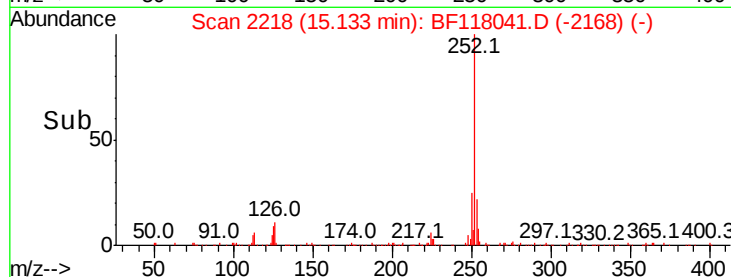
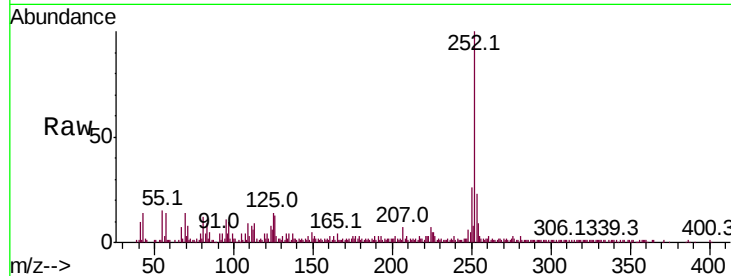
#88
Benzo(b)fluoranthene
Concen: 4.771 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SOIL-003-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	13.8	8.6	13.0

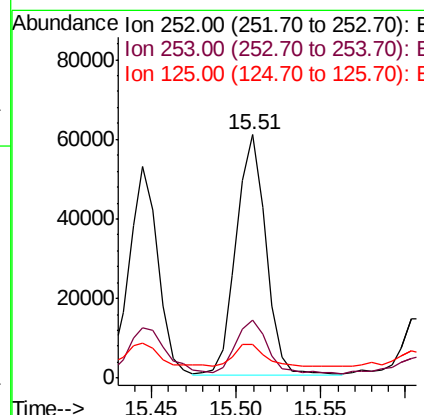
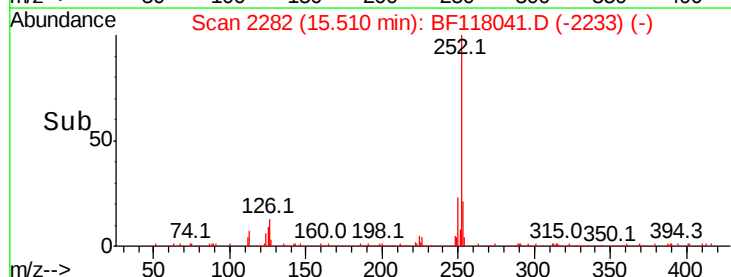
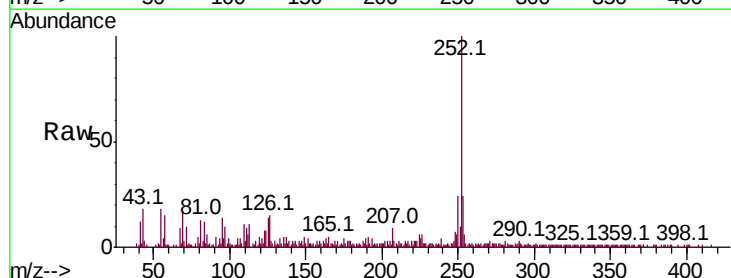
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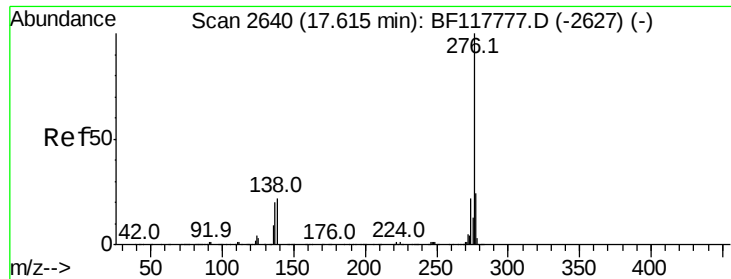
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#90
Benzo(a)pyrene
Concen: 3.519 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	13.8	9.2	13.8





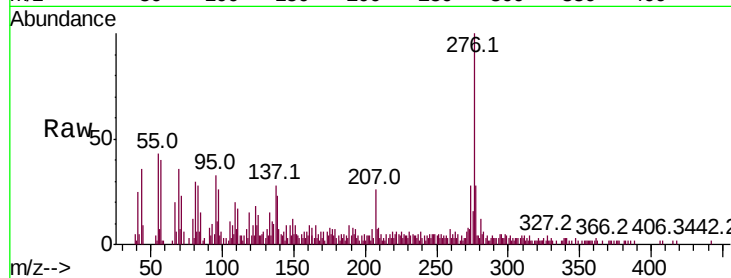
#92
 Benzo(a,h,i)perylene
 Concen: 2.283 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BF118041.D
 Acq: 27 Nov 2019 15:25

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-003-E

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.9	28.3
138	23.2	17.4	26.2

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

