

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118038.D
 Acq On : 27 Nov 2019 14:04
 Operator : JU
 Sample : K5973-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

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Quant Time: Nov 27 14:39:53 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	142194	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	547901	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	283261	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	505021	20.00	ng	-0.01
76) Chrysene-d12	14.07	240	333361	20.00	ng	-0.01
87) Perylene-d12	15.57	264	393206	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	680109	84.66	ng	0.00
7) Phenol-d6	6.51	99	847602	87.48	ng	-0.01
23) Nitrobenzene-d5	7.44	82	520609	56.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	260952	87.02	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1031549	65.33	ng	-0.02
79) Terphenyl-d14	13.02	244	1061506	58.20	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.64	163	213976	10.772	ng	98
52) Acenaphthene	9.96	154	41126	2.547	ng	97
58) Fluorene	10.48	166	42636	2.461	ng	99
71) Phenanthrene	11.45	178	830057	32.691	ng	98
72) Anthracene	11.50	178	132778	5.274	ng	98
73) Carbazole	11.65	167	78838	3.584	ng	95
75) Fluoranthene	12.65	202	1063946	46.219	ng	99
78) Pyrene	12.87	202	943884	35.036	ng	99
81) Benzo(a)anthracene	14.06	228	459991	20.881	ng	100
83) Chrysene	14.10	228	446111	20.899	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	41263	2.941	ng	93
86) Indeno(1,2,3-cd)pyrene	17.09	276	286530m	15.771	ng	
88) Benzo(b)fluoranthene	15.13	252	584526m	22.881	ng	
89) Benzo(k)fluoranthene	15.16	252	167746m	6.969	ng	
90) Benzo(a)pyrene	15.51	252	407015	18.118	ng	98
91) Dibenzo(a,h)anthracene	17.10	278	74060	3.830	ng	96
92) Benzo(g,h,i)perylene	17.54	276	272220	14.135	ng	96

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

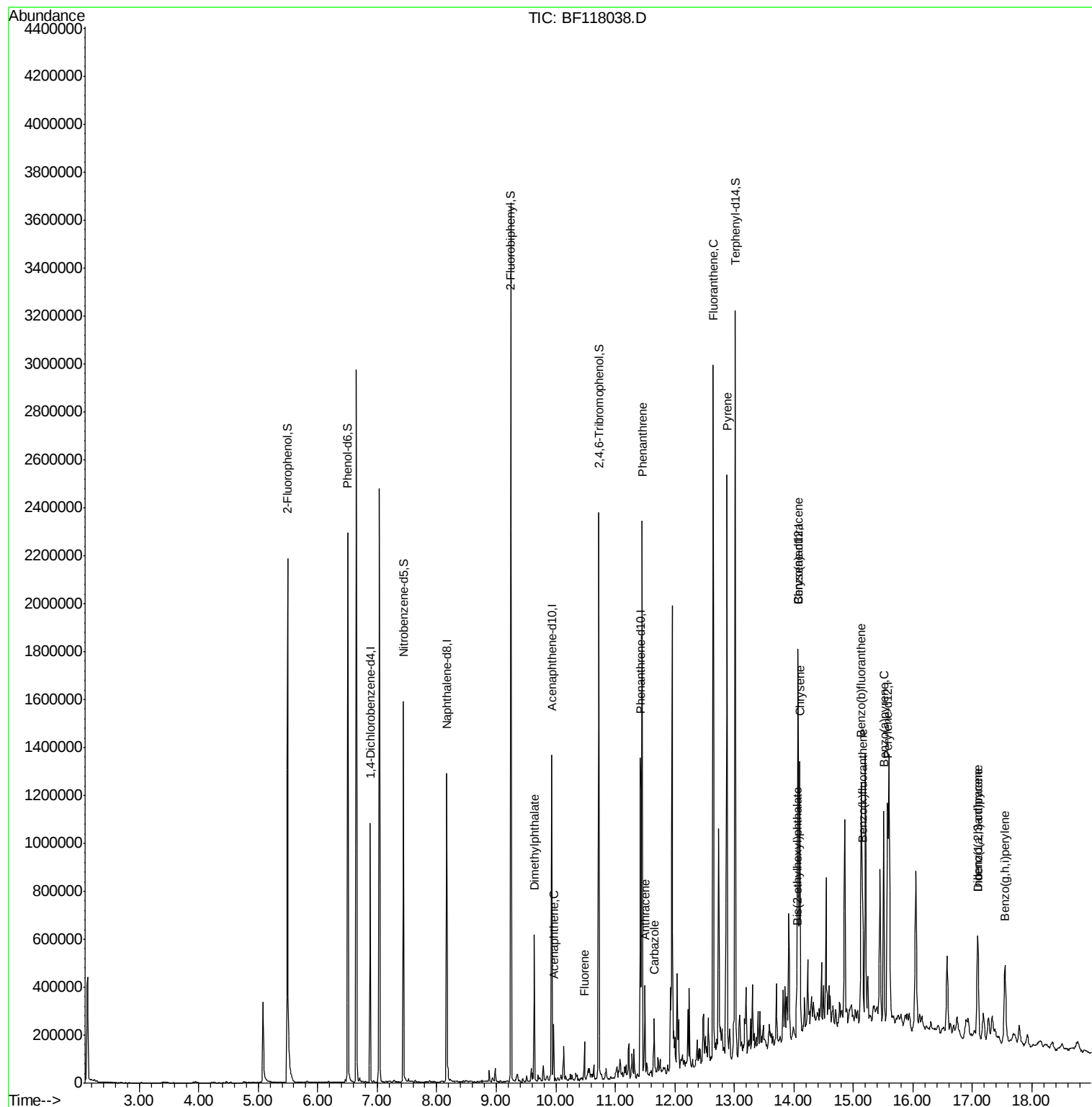
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
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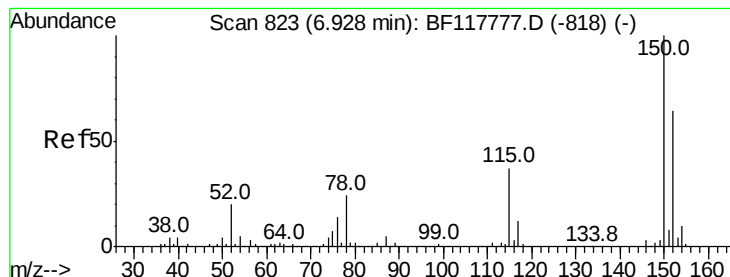
Instrument :
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Quant Time: Nov 27 14:39:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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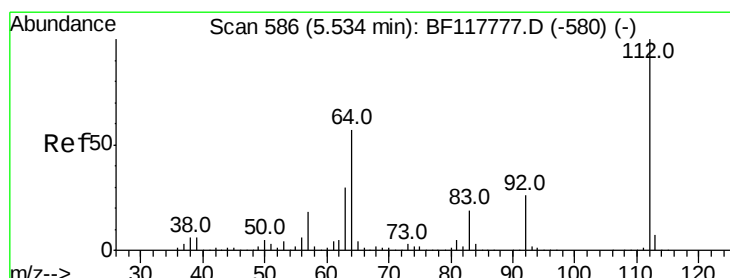
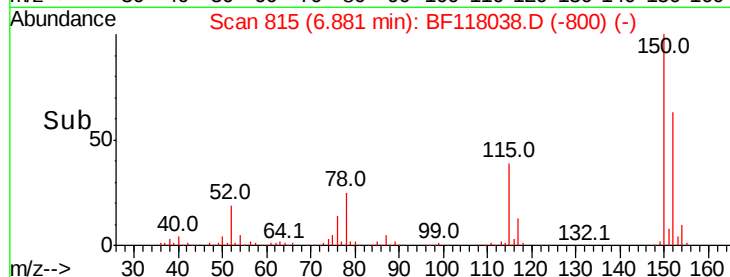
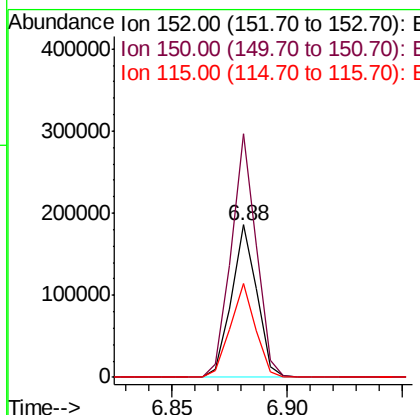
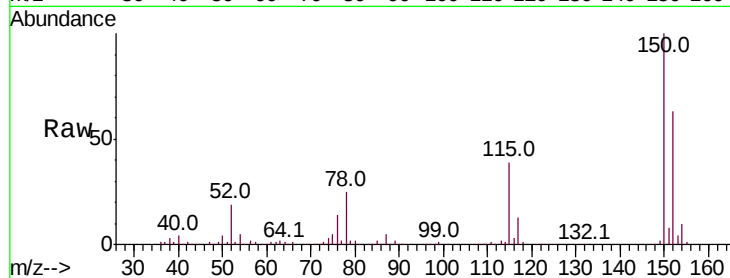
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.3	187.9
115	62.0	47.0	70.4

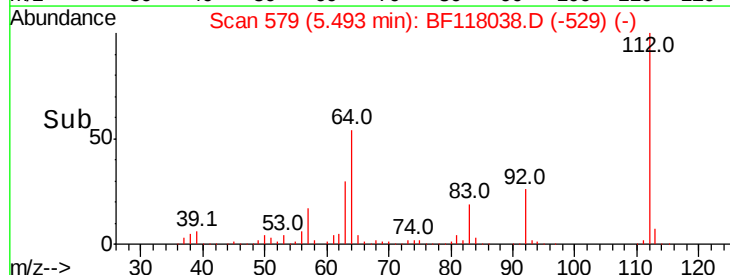
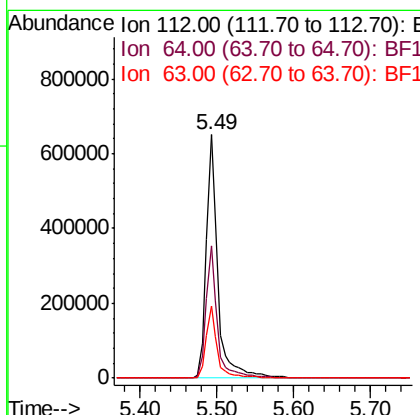
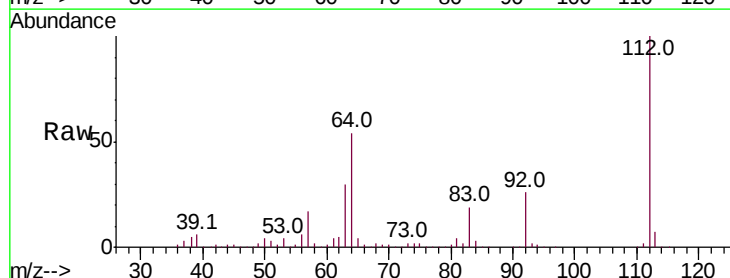
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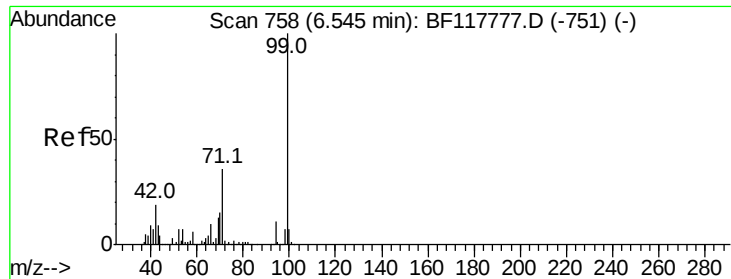
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#5
 2-Fluorophenol
 Concen: 84.664 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	45.6	68.4
63	29.6	24.1	36.1





#7

Phenol-d6

Concen: 87.479 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118038.D

Acq: 27 Nov 2019 14:04

Instrument :

BNA_F

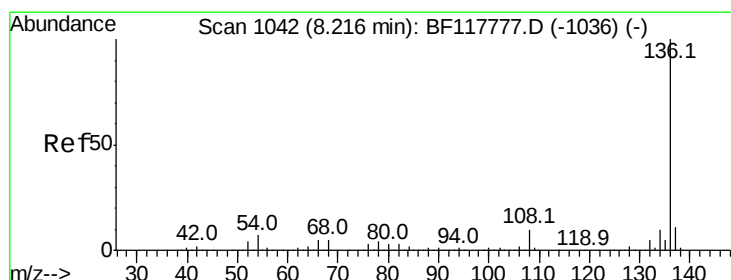
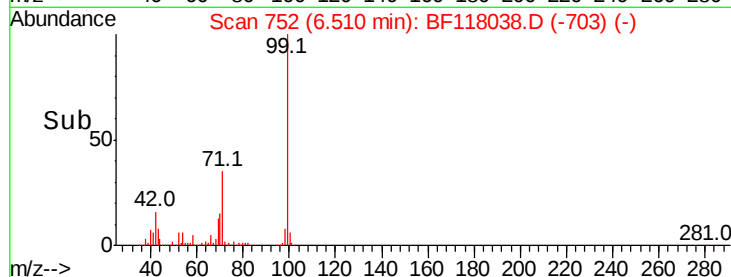
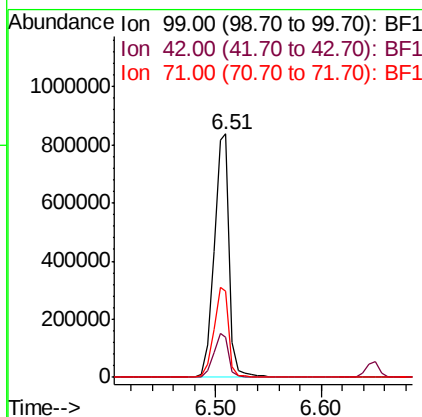
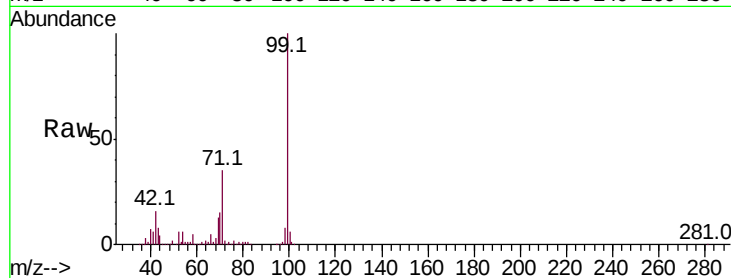
ClientSampleId :

DUCT-BANK-2

Tot Ion:	99	Resp:	847602
Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.9	22.3
71	35.3	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

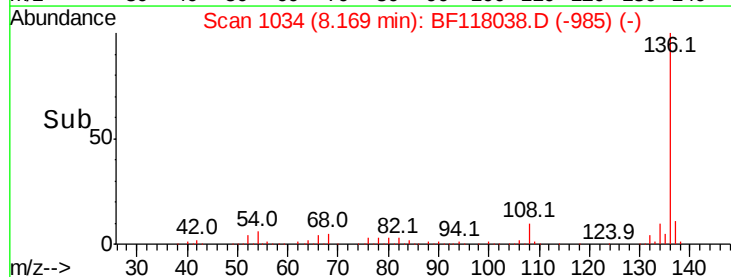
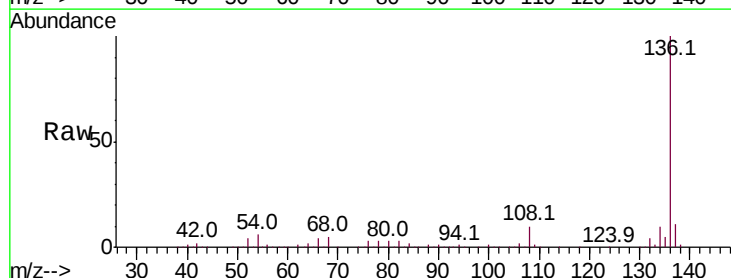
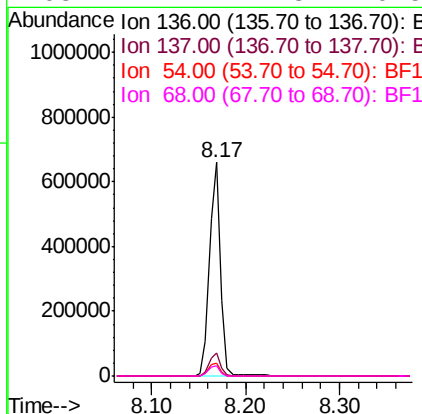
RT: 8.17 min Scan# 1034

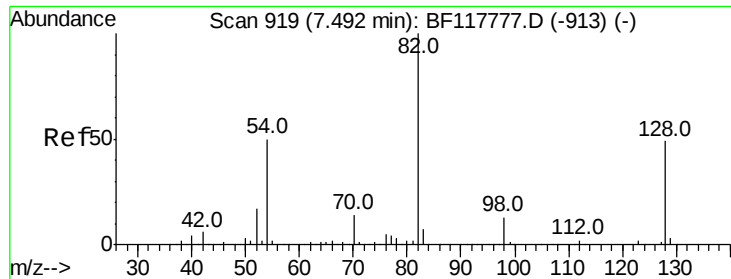
Delta R.T. -0.01 min

Lab File: BF118038.D

Acq: 27 Nov 2019 14:04

Tgt Ion:	136	Resp:	547901
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.1	5.4	8.2
68	4.7	4.3	6.5





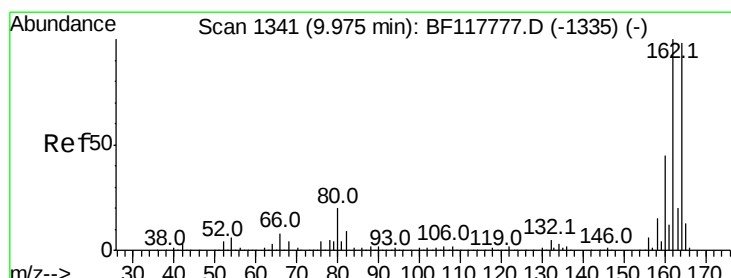
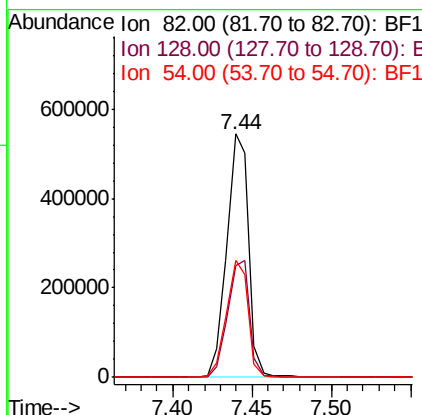
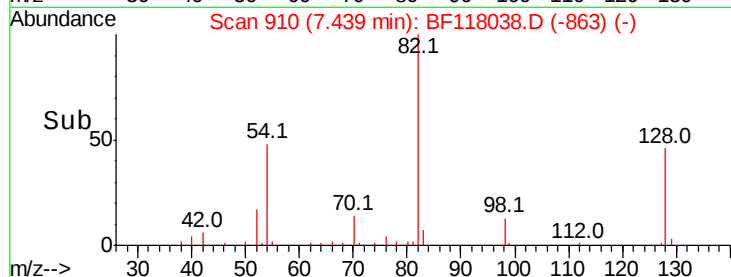
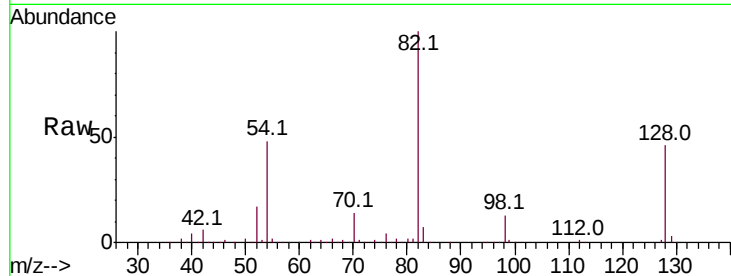
#23
 Nitrobenzene-d5
 Concen: 56.485 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	38.9	58.3
54	48.2	39.8	59.6

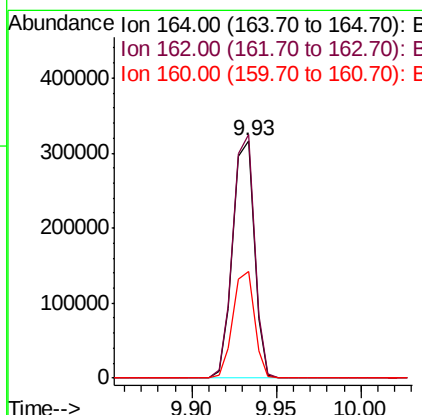
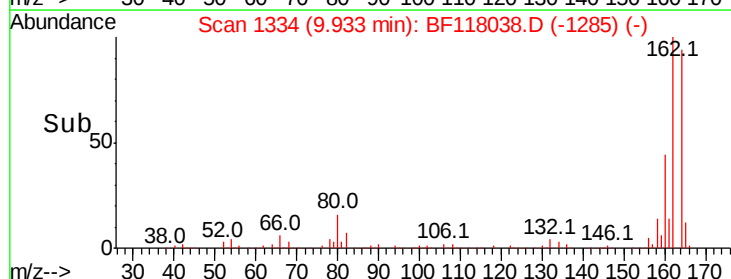
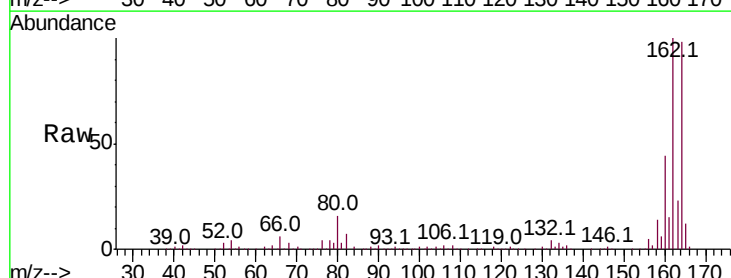
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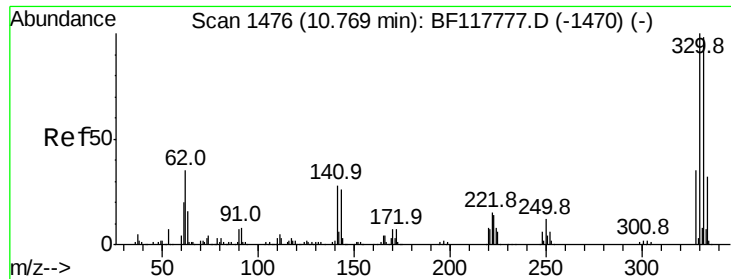
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.3	121.9
160	45.0	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 87.017 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118038.D

Acq: 27 Nov 2019 14:04

Instrument :

BNA_F

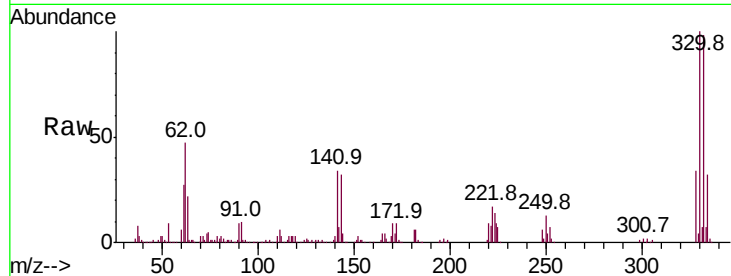
ClientSampleId :

DUCT-BANK-2

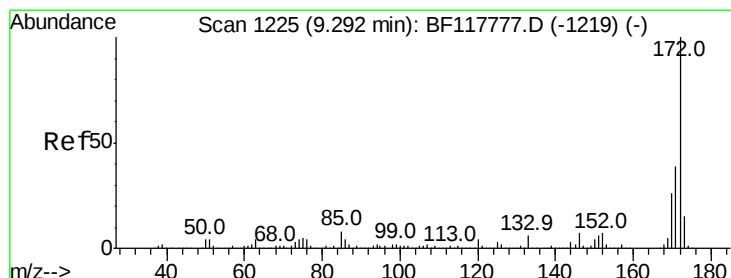
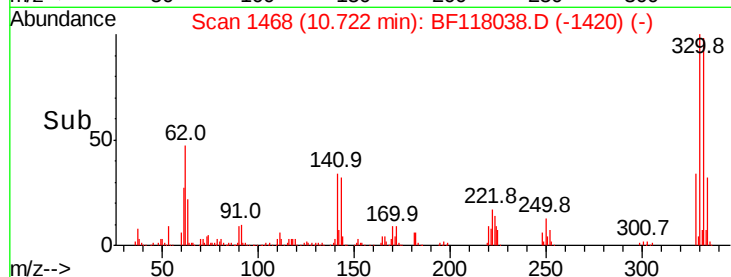
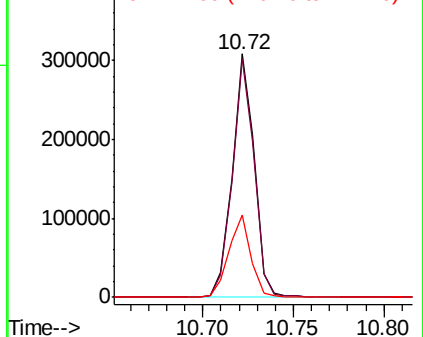
Tot Ion:	330	Resp:	260952
Ion Ratio	Lower	Upper	
330	100		
332	97.3	76.7	115.1
141	34.5	27.7	41.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 65.333 ng

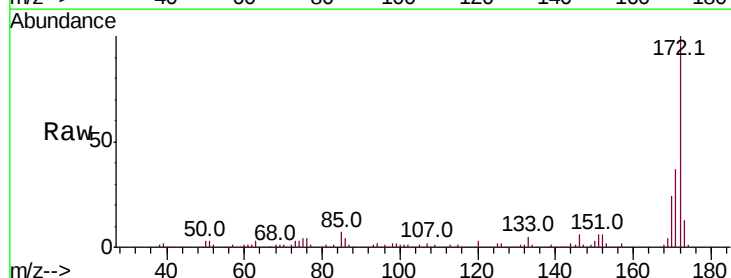
RT: 9.25 min Scan# 1217

Delta R.T. -0.02 min

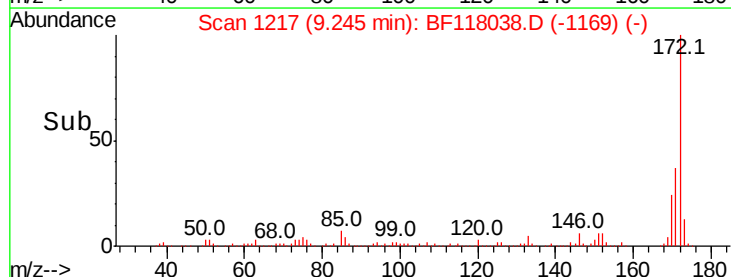
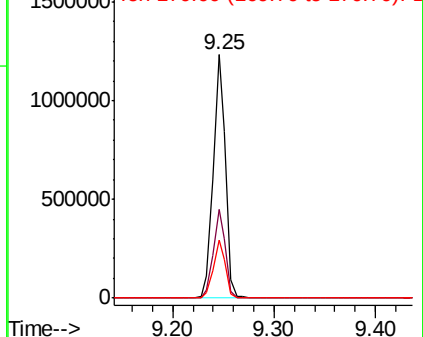
Lab File: BF118038.D

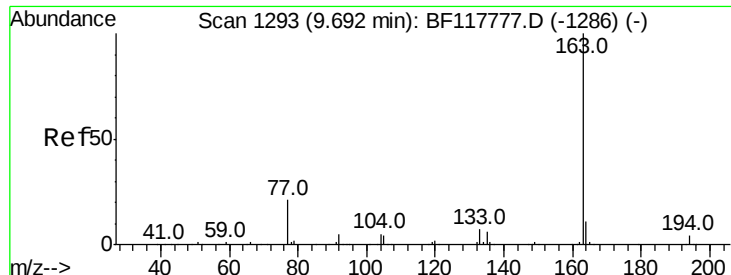
Acq: 27 Nov 2019 14:04

Tgt Ion:	172	Resp:	1031549
Ion Ratio	Lower	Upper	
172	100		
171	36.6	30.9	46.3
170	23.8	21.0	31.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





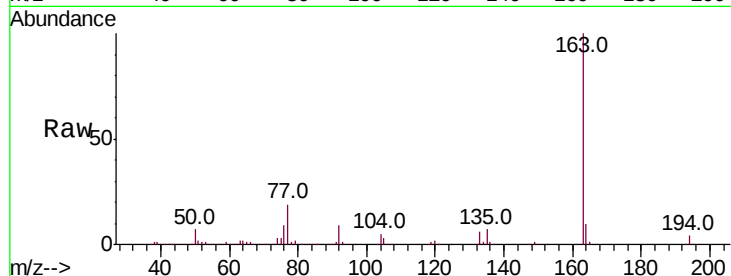
#50
Dimethylphthalate
Concen: 10.772 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
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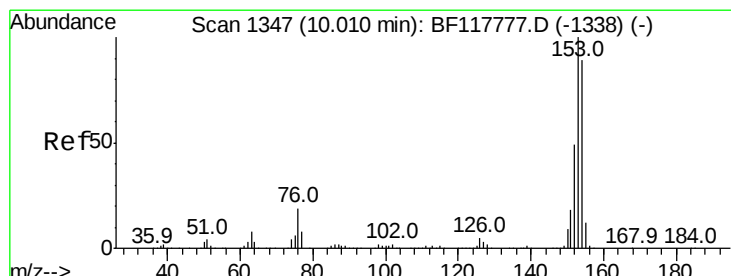
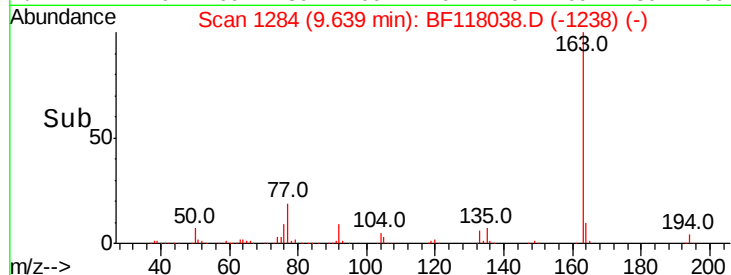
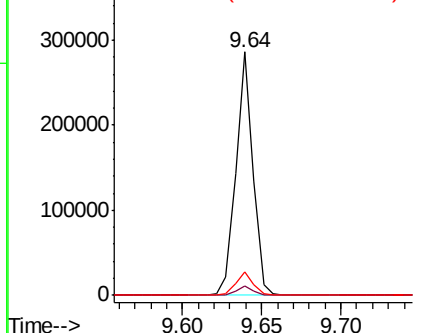
Tot Ion	Ratio	Resp	Lower	Upper
163	100	213976		
194	3.9		3.3	4.9
164	9.8		8.7	13.1

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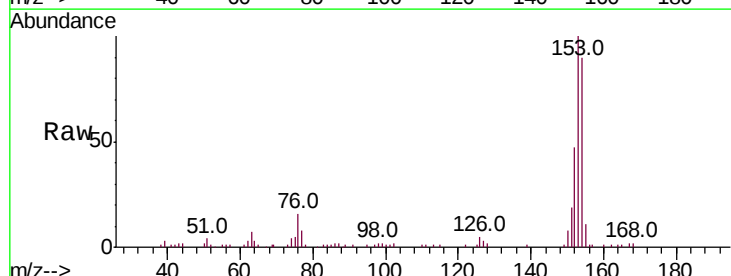


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

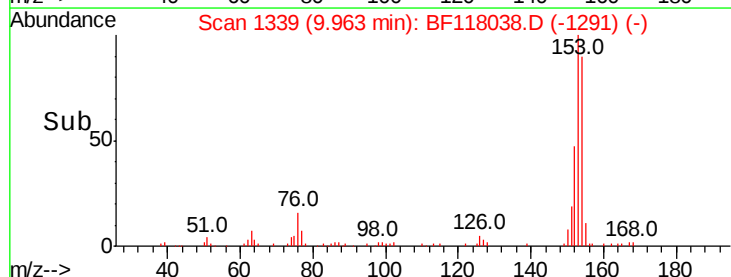
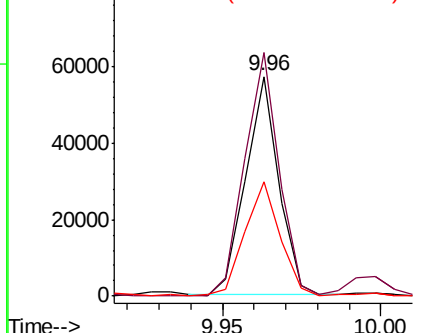


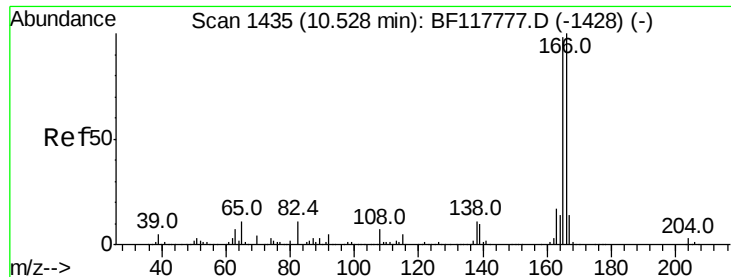
#52
Acenaphthene
Concen: 2.547 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	41126		
153	110.7		90.1	135.1
152	52.0		44.0	66.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





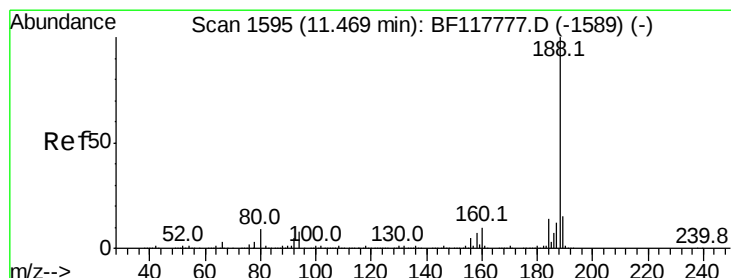
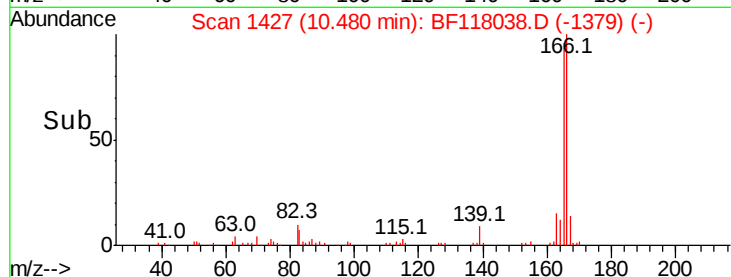
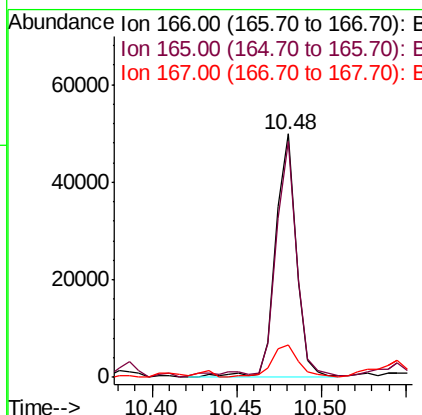
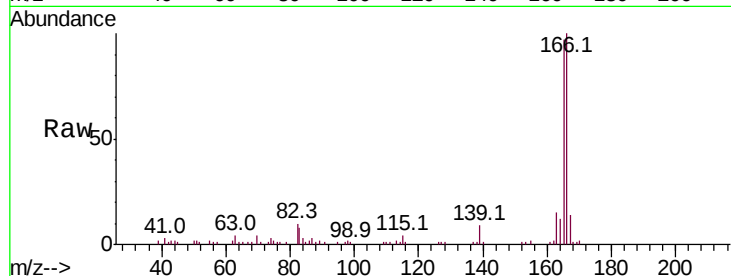
#58
 Fluorene
 Concen: 2.461 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.02 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Instrument :
 BNA_F
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 DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.4	117.6
167	13.6	11.0	16.4

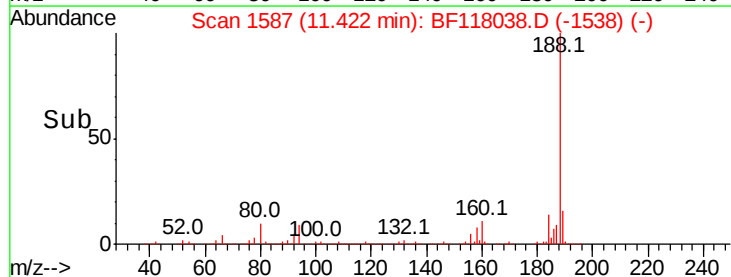
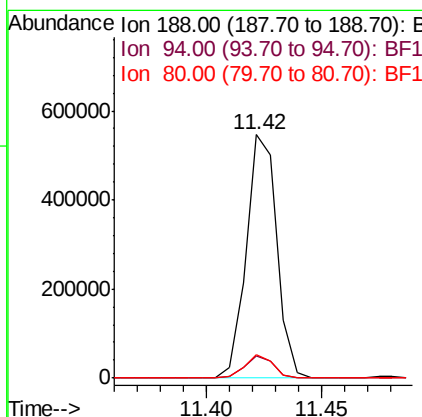
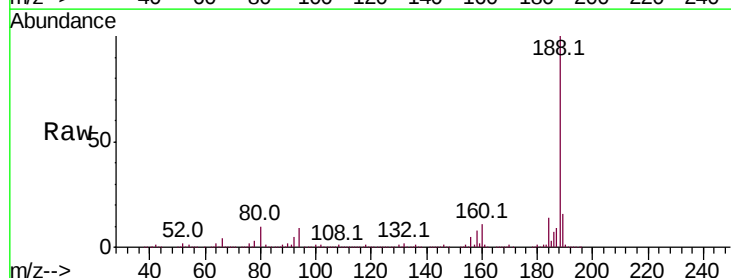
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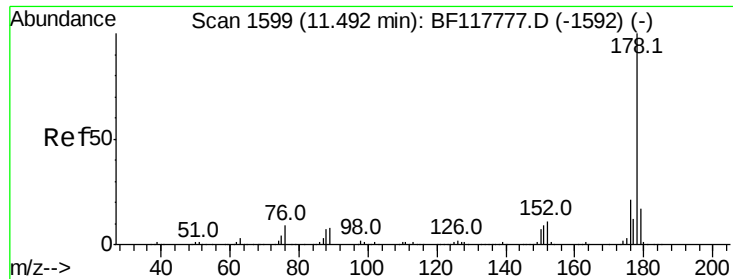
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.7	7.2	10.8





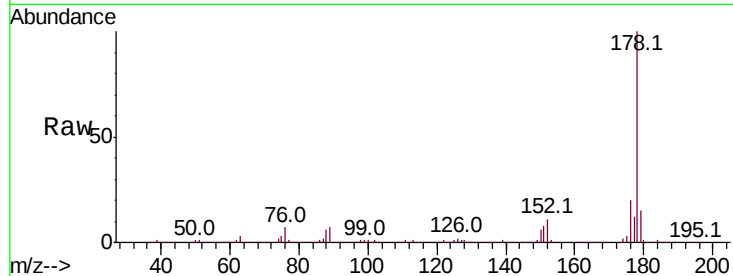
#71
Phenanthrene
Concen: 32.691 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

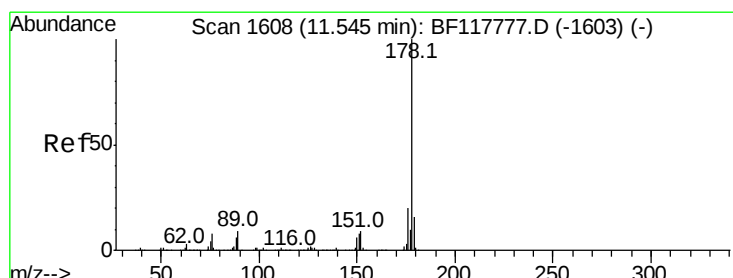
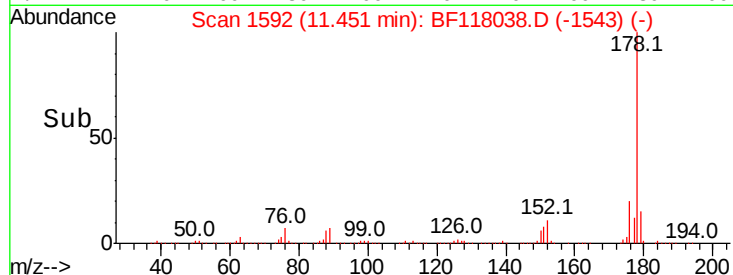
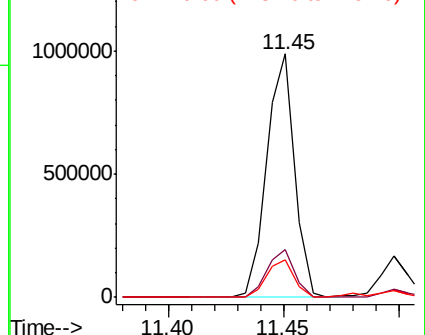
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	15.4	13.2	19.8

Manual Integrations
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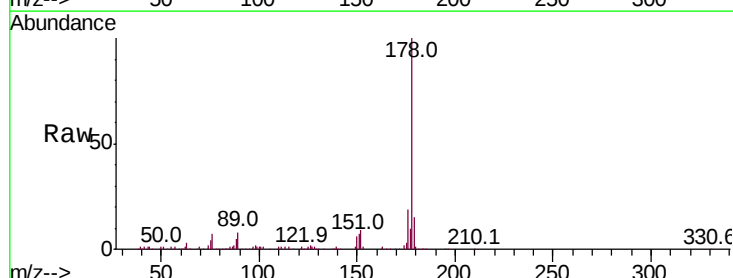


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

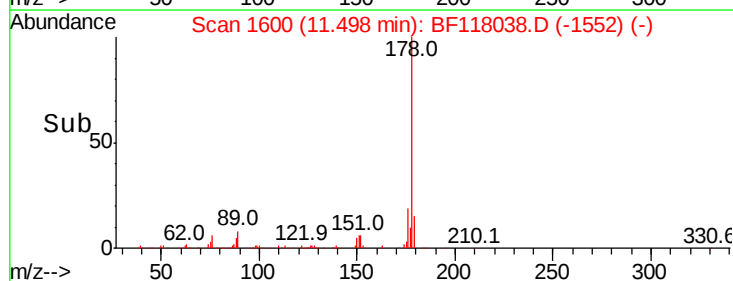
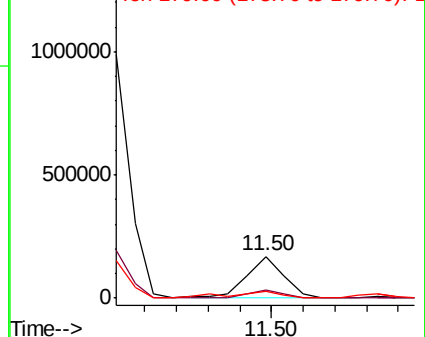


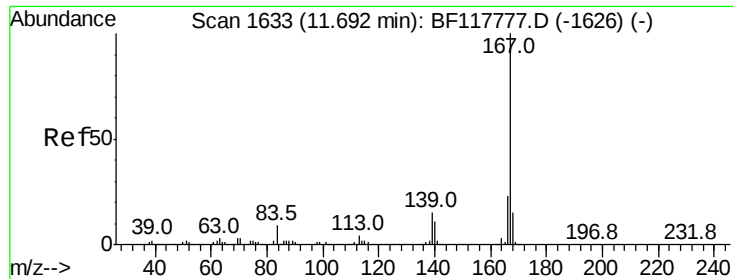
#72
Anthracene
Concen: 5.274 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.1	24.1
179	15.0	13.0	19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





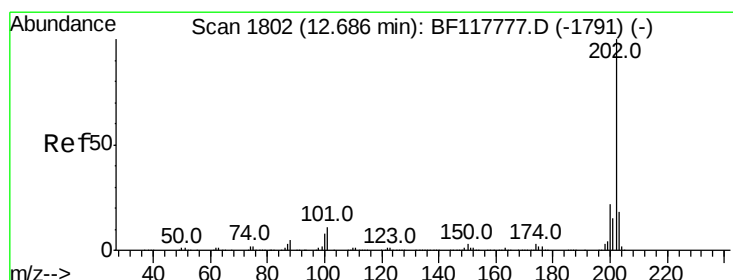
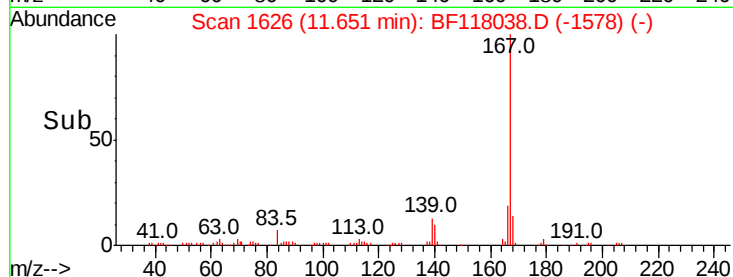
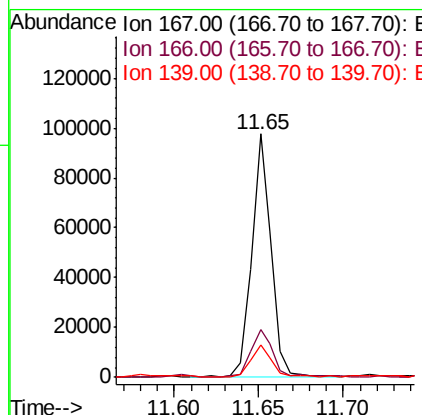
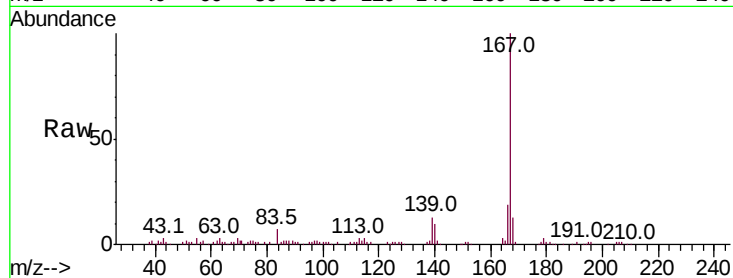
#73
 Carbazole
 Concen: 3.584 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	19.4	18.0	27.0
139	13.2	11.7	17.5

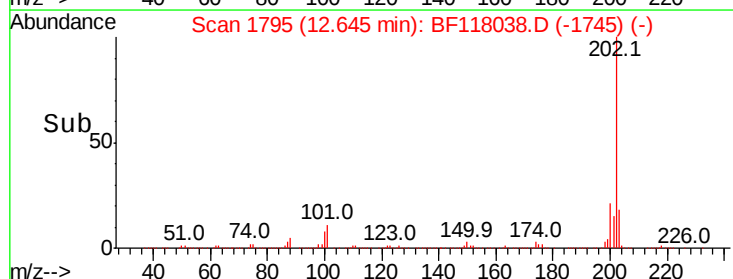
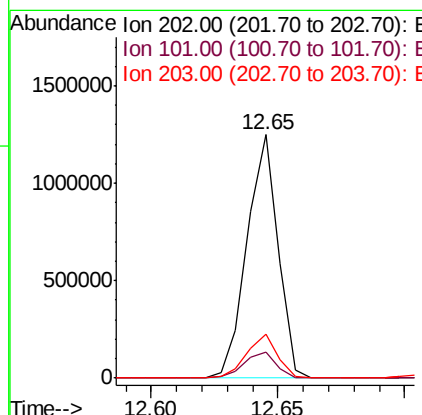
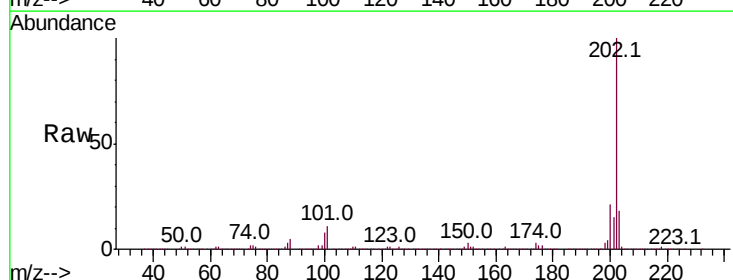
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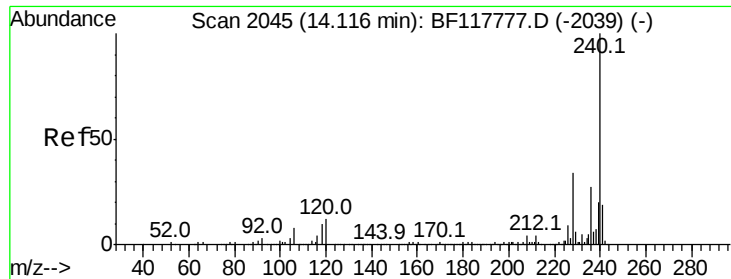
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#75
 Fluoranthene
 Concen: 46.219 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.8	0.0	38.2





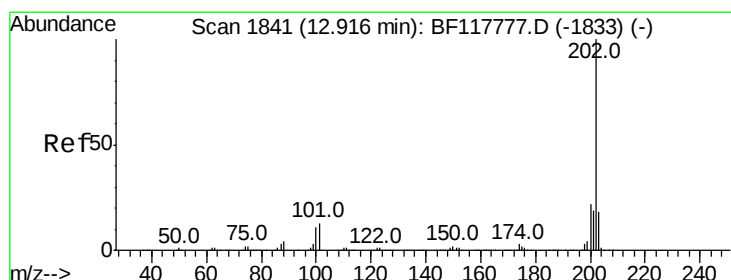
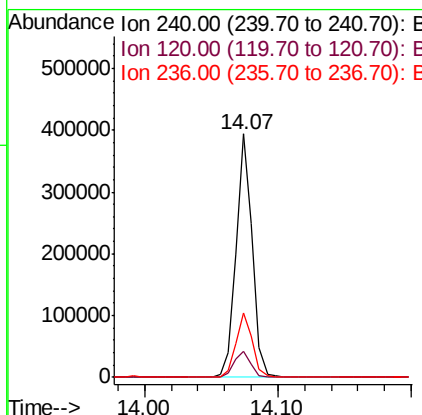
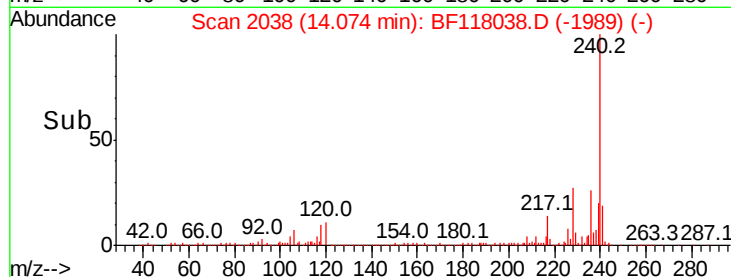
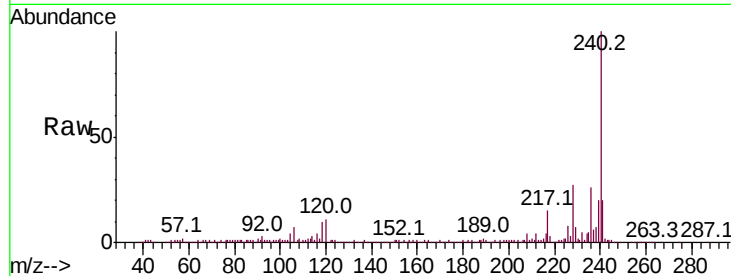
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.8	9.5	14.3	
236	26.3	21.3	31.9	

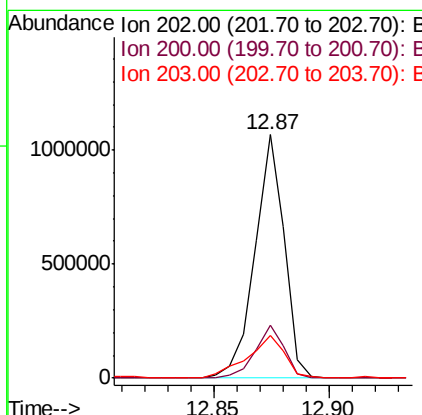
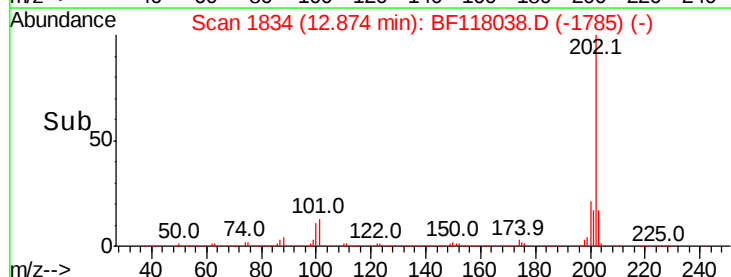
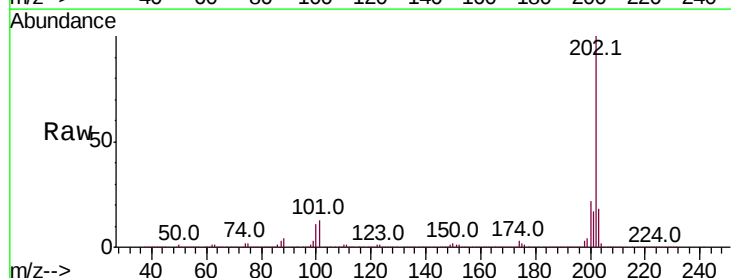
Manual Integrations
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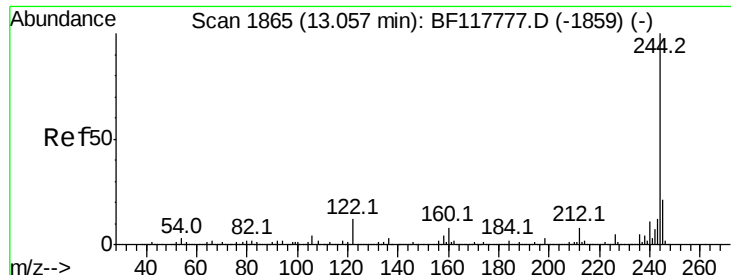
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#78
Pyrene
Concen: 35.036 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	17.8	26.8	
203	17.7	14.6	22.0	





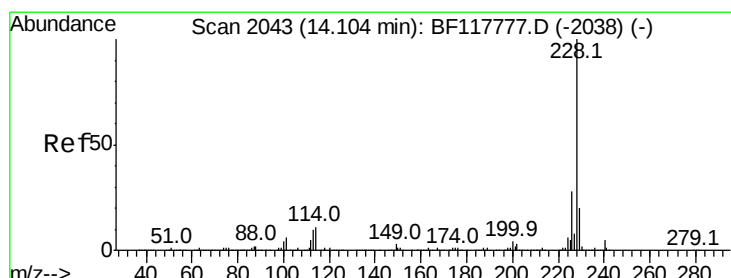
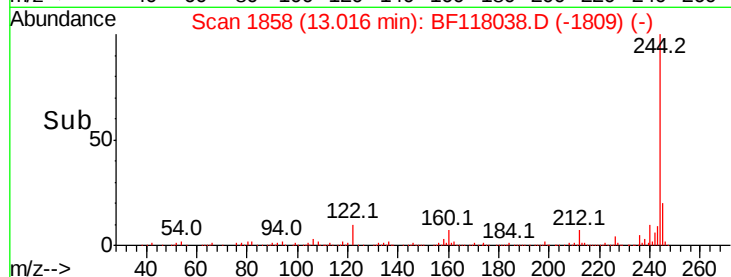
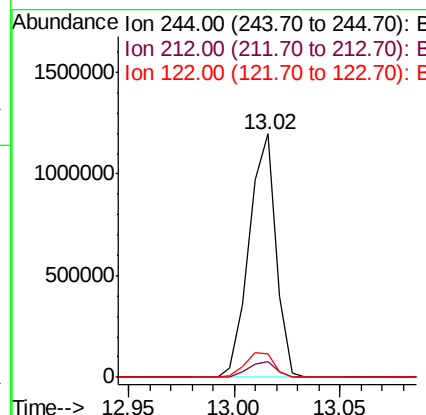
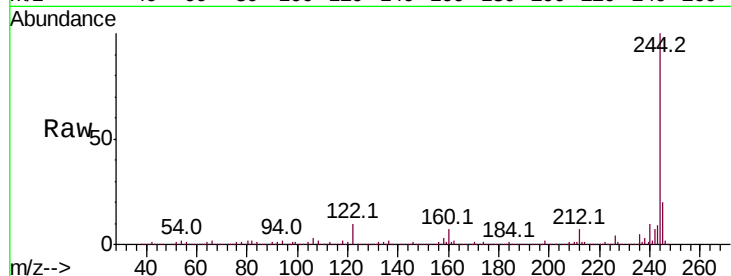
#79
 Terphenyl-d14
 Concen: 58.196 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion:244 Resp: 1061506
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.3 9.5
 122 9.8 9.4 14.2

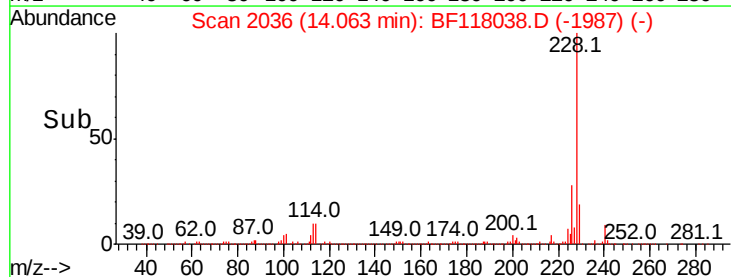
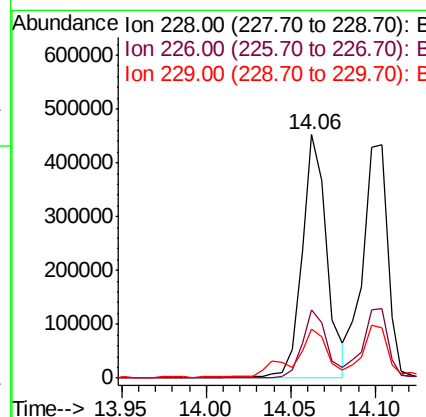
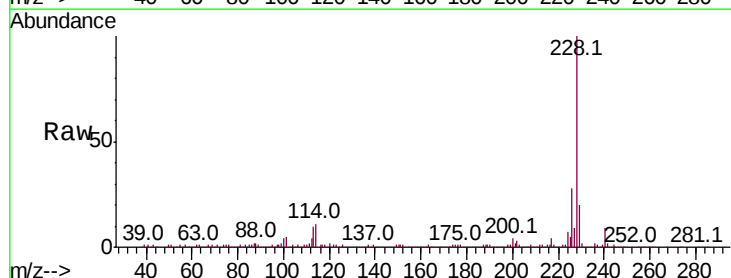
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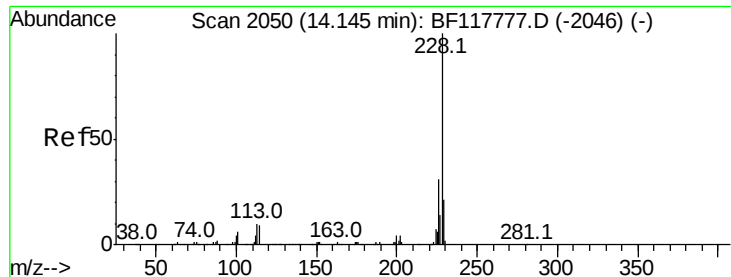
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#81
 Benzo(a)anthracene
 Concen: 20.881 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Tgt Ion:228 Resp: 459991
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.2 33.2
 229 19.9 15.9 23.9





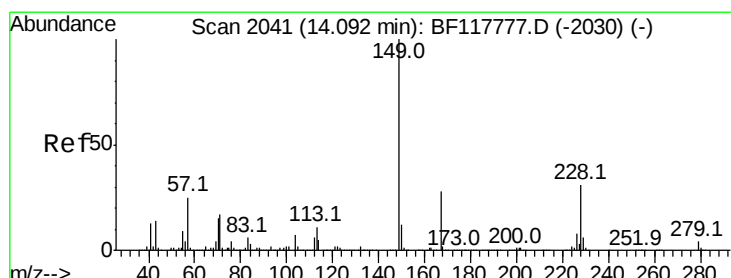
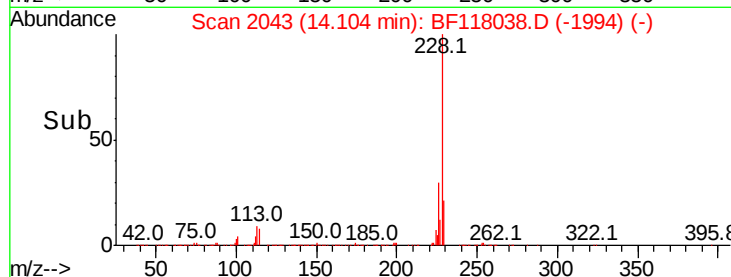
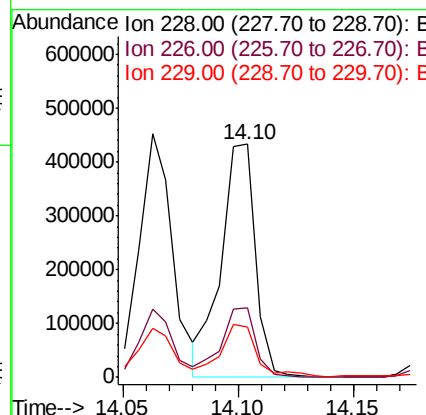
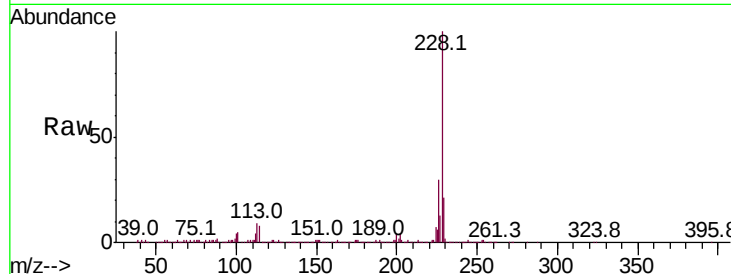
#83
Chrysene
Concen: 20.899 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.4	16.6	25.0

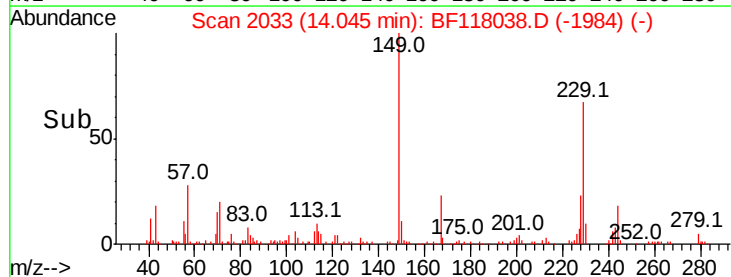
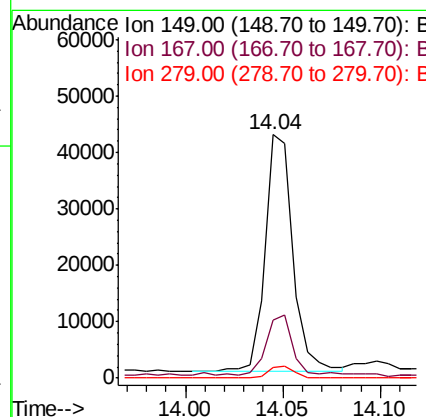
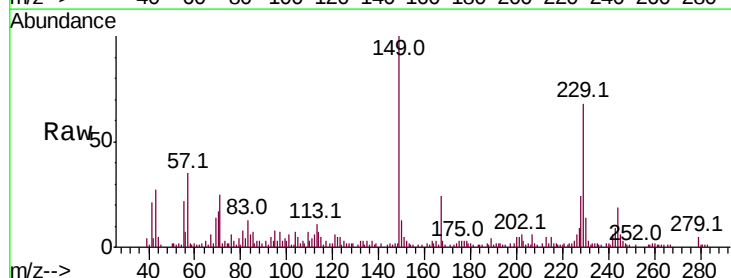
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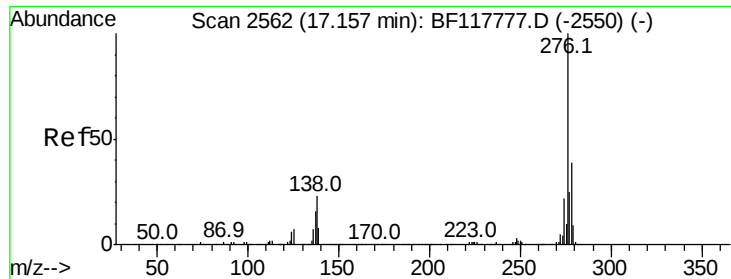
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.941 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.6	22.2	33.2
279	4.5	3.4	5.2





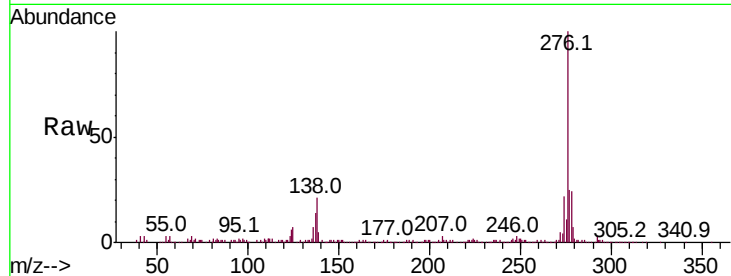
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.771 ng/ml
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	3.8	20.9	31.3#
277	5.2	20.3	30.5#

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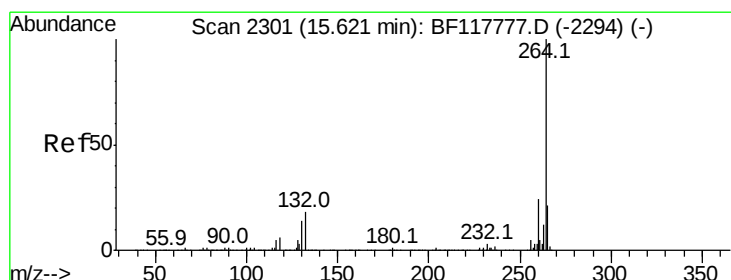
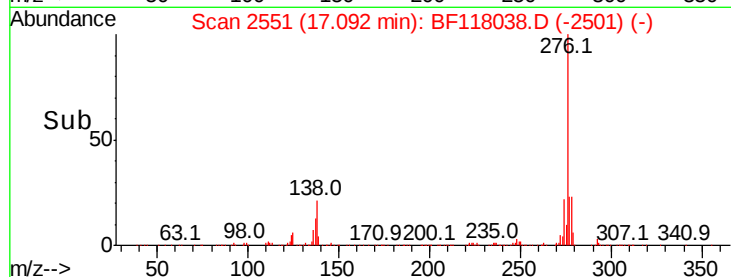
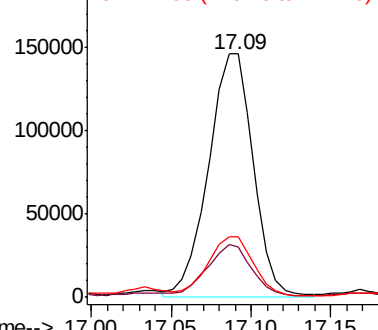


Abundance

Ion 276.00 (275.70 to 276.70): E

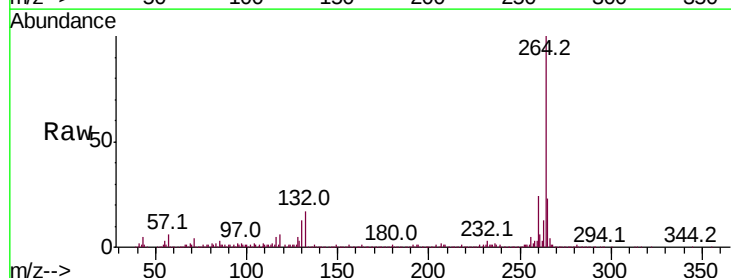
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.0	19.4	29.0
265	22.9	17.1	25.7

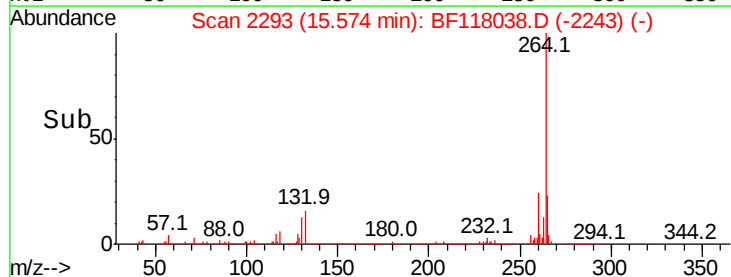
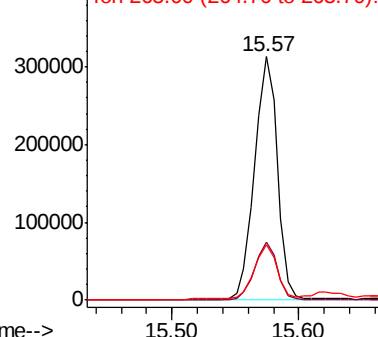


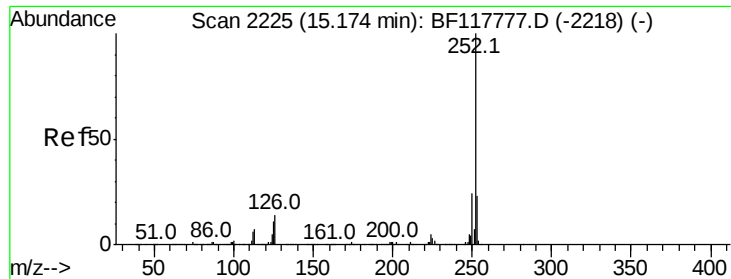
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





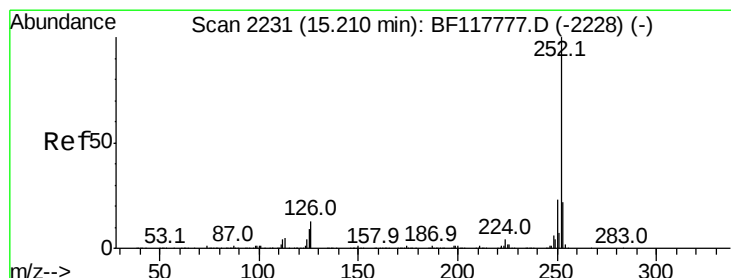
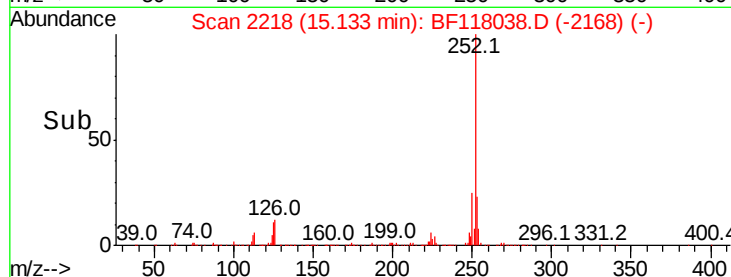
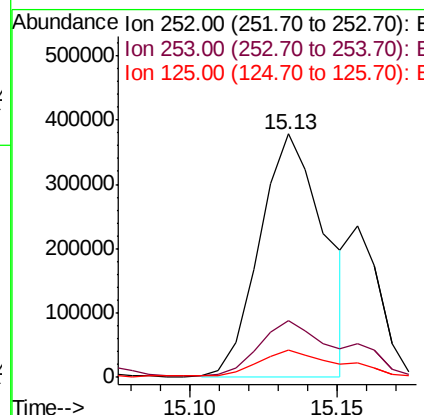
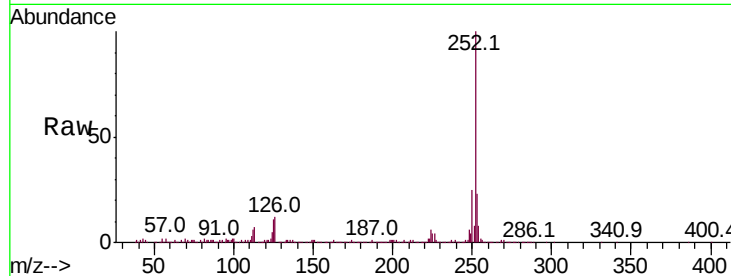
#88
Benzo(b)fluoranthene
Concen: 22.881 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.2	8.6	13.0

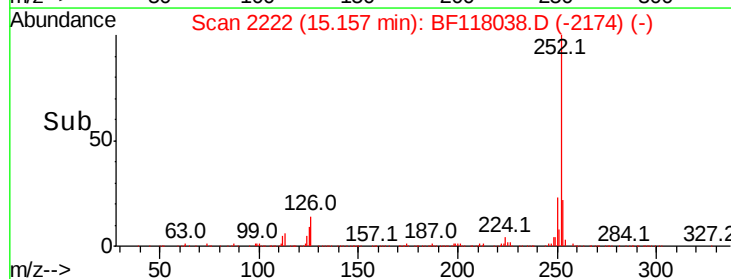
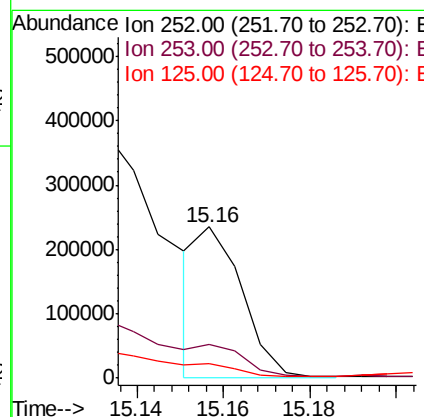
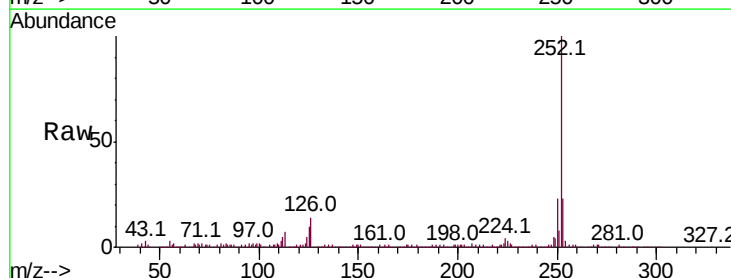
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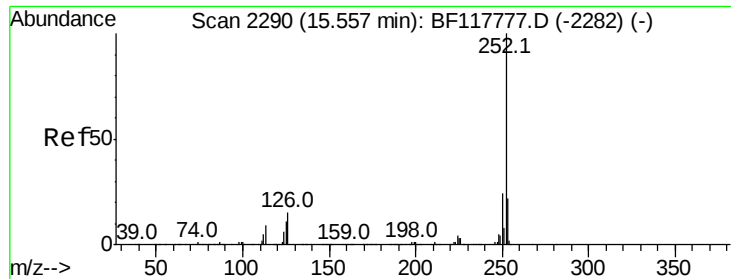
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#89
Benzo(k)fluoranthene
Concen: 6.969 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.8	7.9	11.9





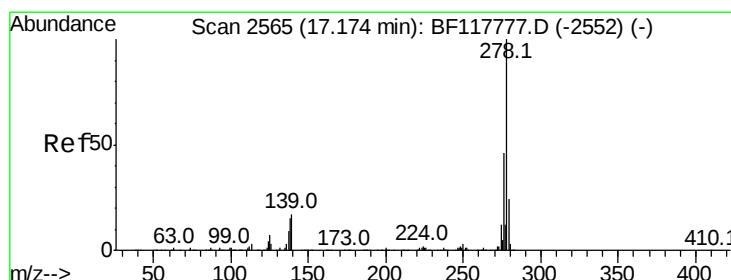
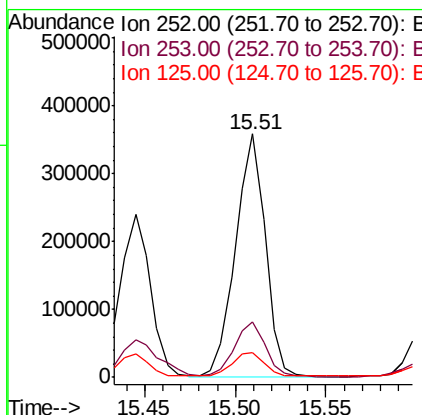
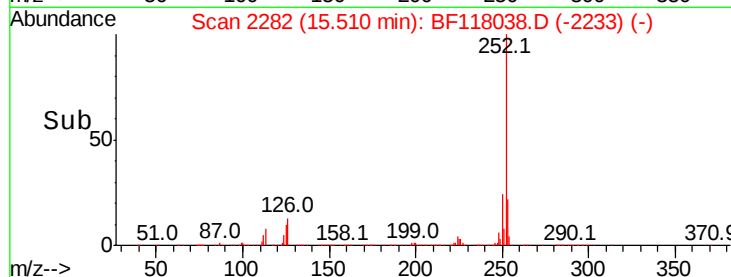
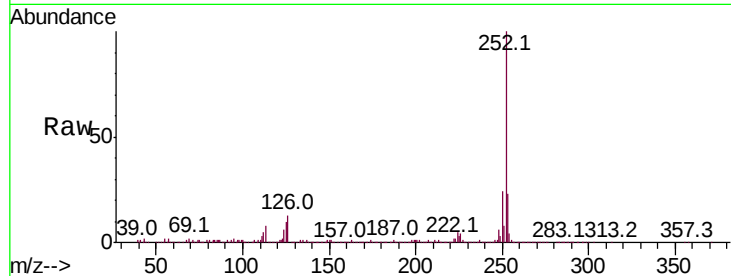
#90
Benzo(a)pyrene
Concen: 18.118 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion:	252	Resp:	407015
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	10.3	9.2	13.8

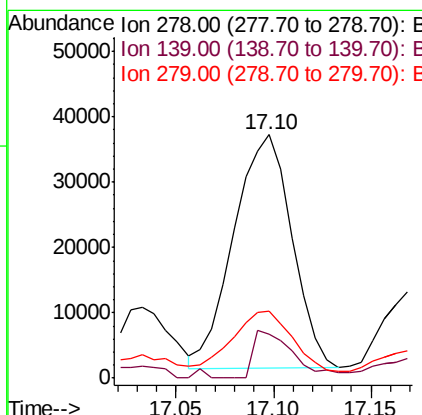
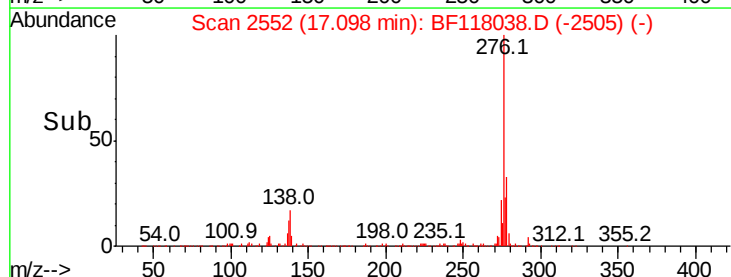
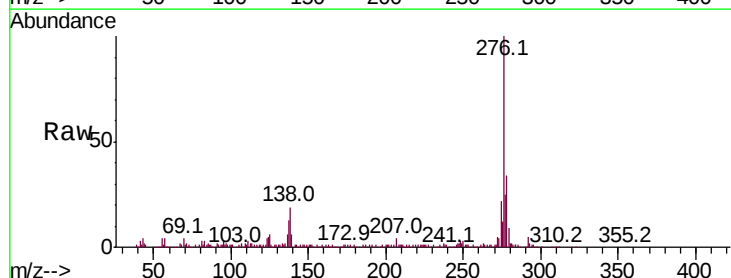
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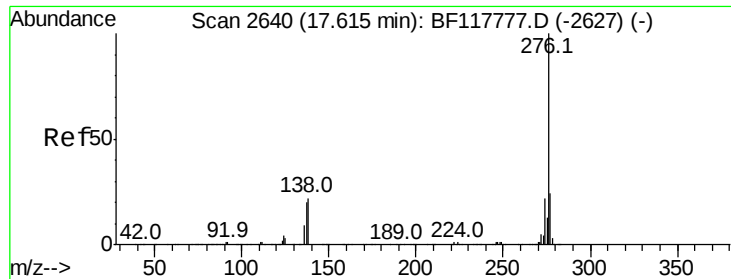
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.830 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF118038.D
Acq: 27 Nov 2019 14:04

Tgt Ion:	278	Resp:	74060
Ion Ratio	Lower	Upper	
278	100		
139	17.9	13.8	20.8
279	27.5	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 14.135 ng
 RT: 17.54 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF118038.D
 Acq: 27 Nov 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion:	276	Resp:	272220
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.9	28.3
138	19.7	17.4	26.2

Manual Integrations
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