

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
 Data File : BF132610.D
 Acq On : 02 Mar 2023 16:33
 Operator : CG\JU
 Sample : 01749-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-5

Quant Time: Mar 02 17:21:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

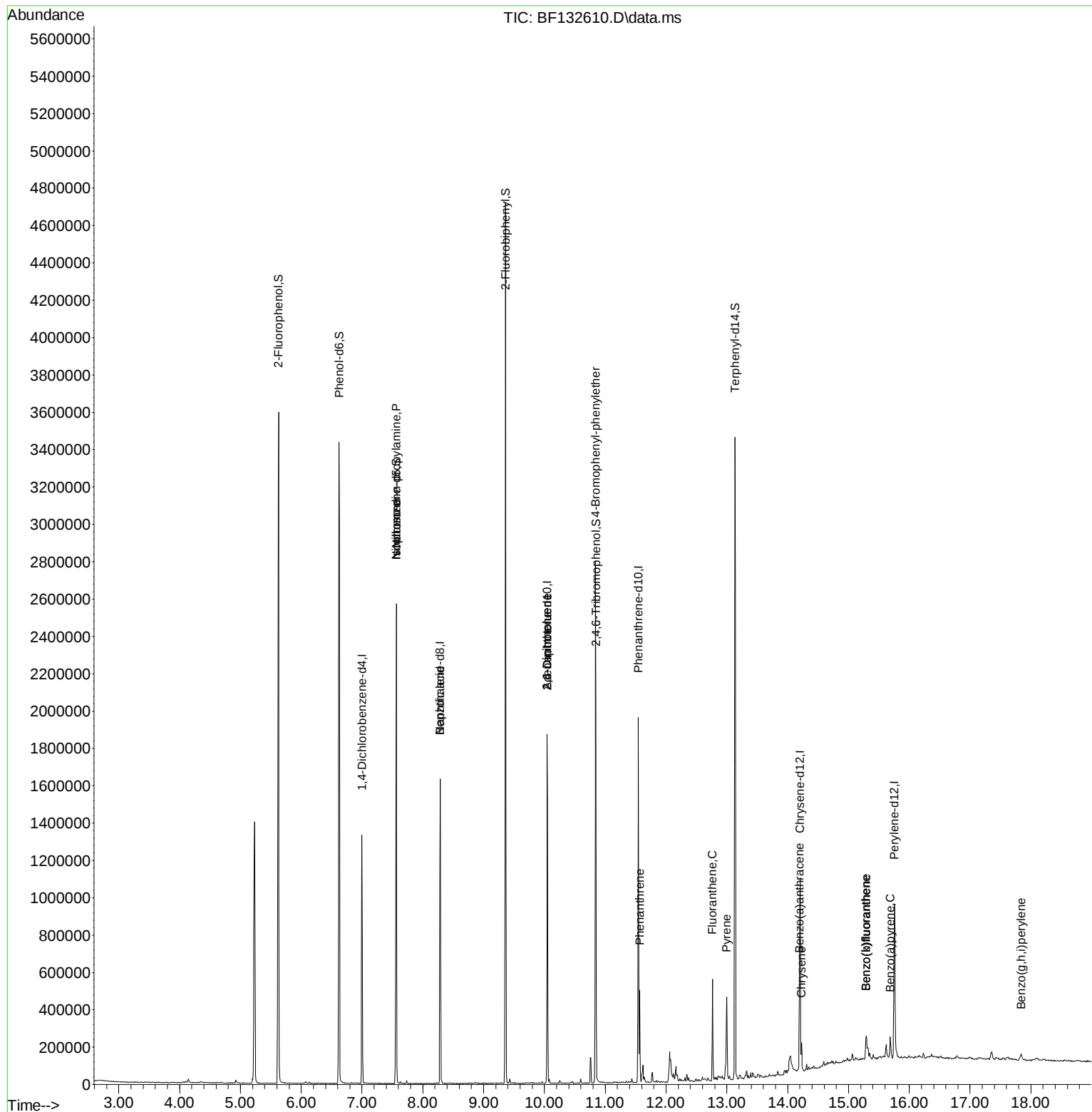
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	178727	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	640102	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	370426	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	686386	20.000	ng	0.00
76) Chrysene-d12	14.204	240	322384	20.000	ng	0.00
86) Perylene-d12	15.757	264	397342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1035481	94.029	ng	0.00
7) Phenol-d6	6.622	99	1322029	91.986	ng	-0.01
23) Nitrobenzene-d5	7.563	82	809073	59.969	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	330656	82.655	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1379280	56.696	ng	0.00
79) Terphenyl-d14	13.133	244	1183651	62.077	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	106604	12.052	ng	# 77
25) Isophorone	7.563	82	809200	31.284	ng	# 67
32) Benzoic acid	8.287	122	61	3.843	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	49010	7.979	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	49010	5.997	ng	# 21
67) 4-Bromophenyl-phenylether	10.839	248	21047	2.711	ng	# 1
71) Phenanthrene	11.569	178	169450	4.765	ng	99
75) Fluoranthene	12.763	202	214316	5.513	ng	98
78) Pyrene	12.998	202	173694	5.926	ng	97
81) Benzo(a)anthracene	14.192	228	67557	2.801	ng	97
83) Chrysene	14.227	228	53839	2.387	ng	97
88) Benzo(b)fluoranthene	15.292	252	98079	3.683	ng	# 98
89) Benzo(k)fluoranthene	15.292	252	98079	3.764	ng	98
90) Benzo(a)pyrene	15.686	252	55710	2.235	ng	96
92) Benzo(g,h,i)perylene	17.839	276	29875	2.818	ng	98

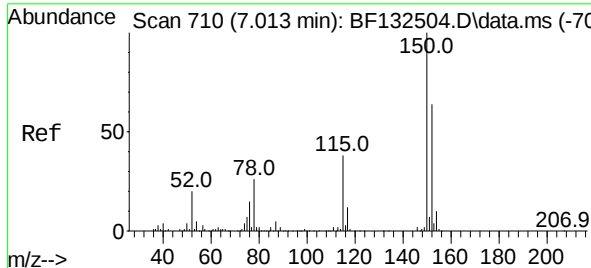
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.998 min Scan#

Delta R.T. -0.009 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

Instrument :

BNA_F

ClientSampleId :

CF-5

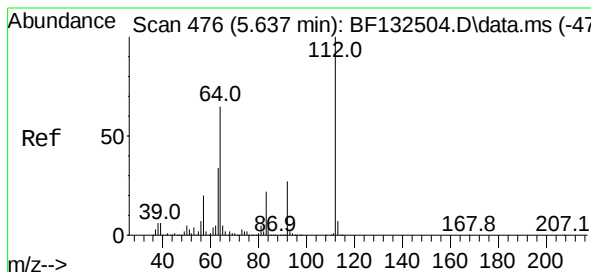
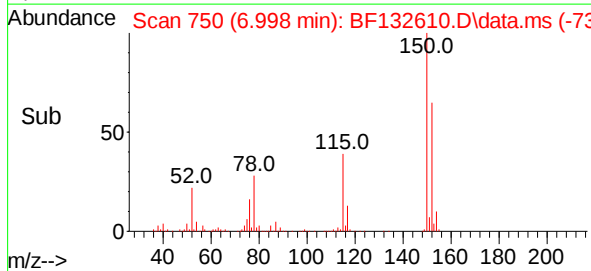
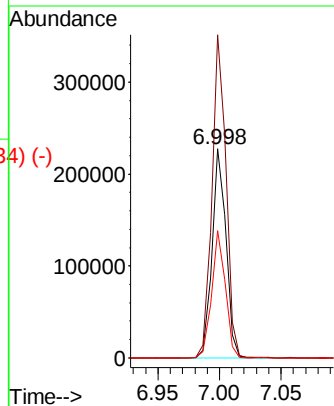
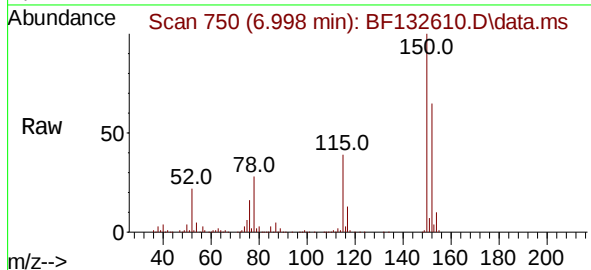
Tgt Ion:152 Resp: 178727

Ion Ratio Lower Upper

152 100

150 154.6 125.4 188.2

115 61.0 47.8 71.6



2-Fluorophenol

Concen: 94.029 ng

RT: 5.628 min Scan# 517

Delta R.T. -0.003 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

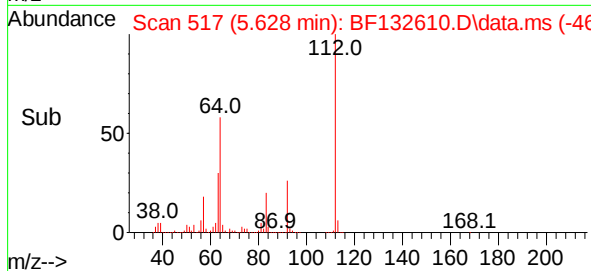
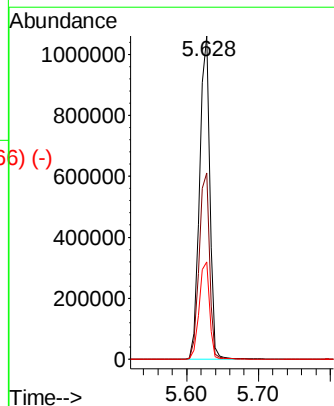
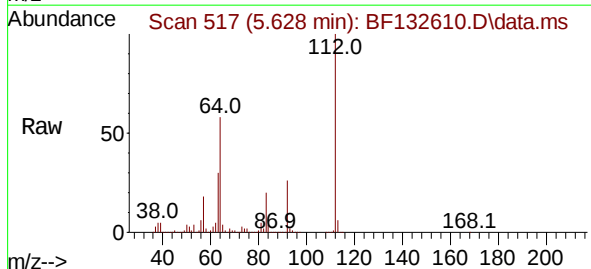
Tgt Ion:112 Resp: 1035481

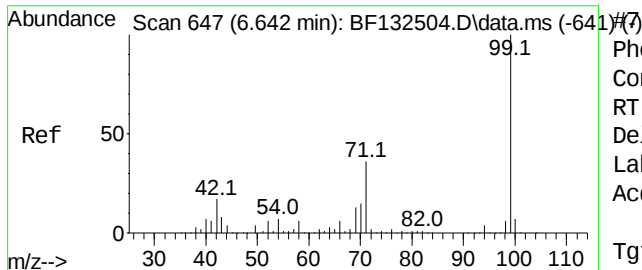
Ion Ratio Lower Upper

112 100

64 57.6 51.6 77.4

63 30.0 27.4 41.2



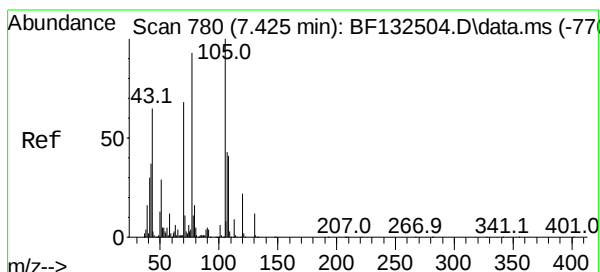
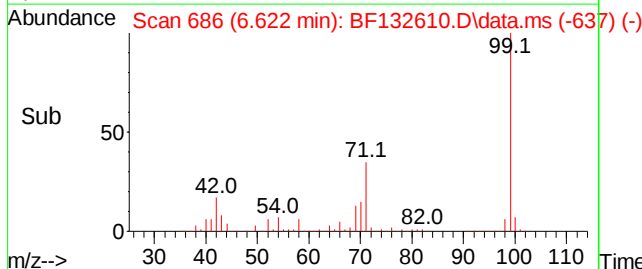
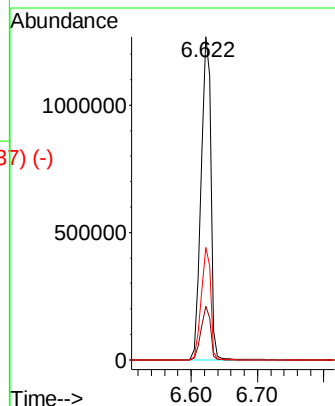
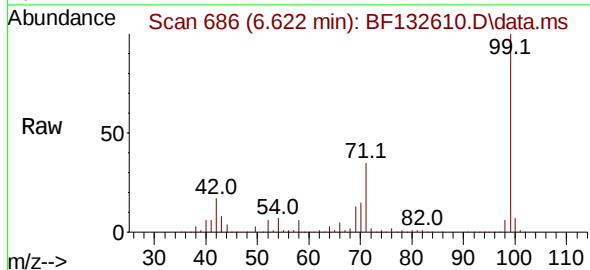


Phenol-d6
 Concen: 91.986 ng
 RT: 6.622 min Scan# 647
 Delta R.T. -0.015 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

Instrument :
 BNA_F
 ClientSampleId :
 CF-5

Tgt Ion: 99 Resp: 1322029

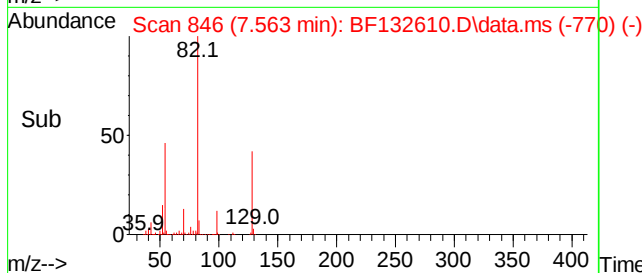
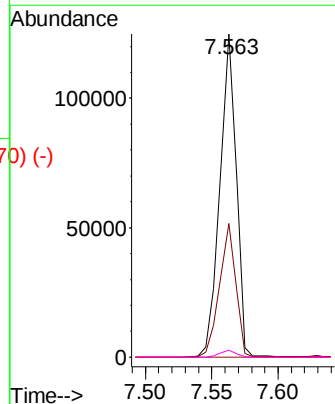
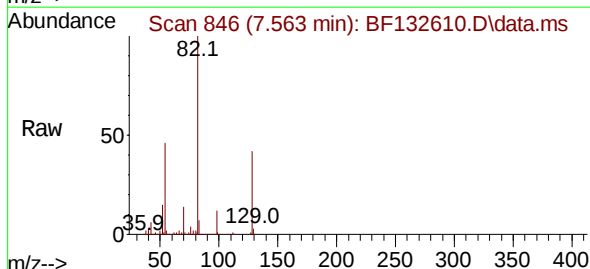
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.9	20.9
71	34.9	28.5	42.7



n-Nitroso-di-n-propylamine
 Concen: 12.052 ng
 RT: 7.563 min Scan# 846
 Delta R.T. 0.144 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

Tgt Ion: 70 Resp: 106604

Ion	Ratio	Lower	Upper
70	100		
42	41.3	44.1	66.1#
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#



Abundance Scan 929 (8.301 min): BF132504.D\data.ms (-922) #21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.287 min Scan# 969

Delta R.T. -0.003 min

Lab File: BF132610.D

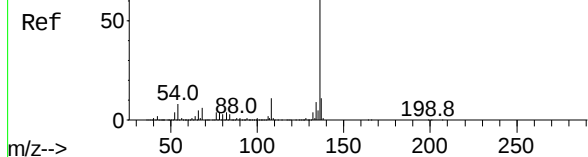
Acq: 02 Mar 2023 16:33

Instrument :

BNA_F

ClientSampleId :

CF-5



Tgt Ion:136 Resp: 640102

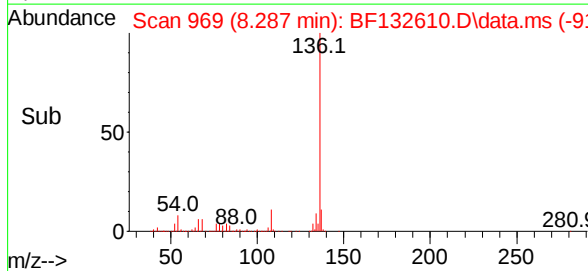
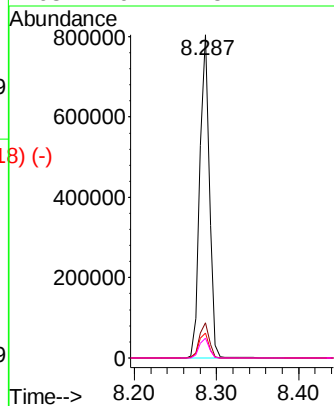
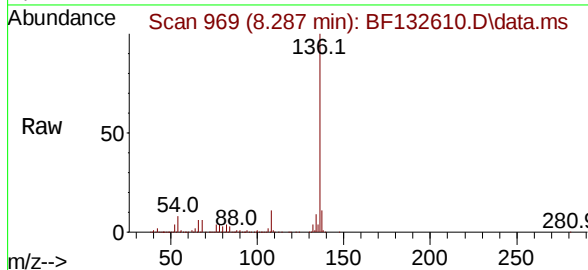
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 6.2 9.4

68 6.2 5.2 7.8



Abundance Scan 806 (7.578 min): BF132504.D\data.ms (-800) #23

Nitrobenzene-d5

Concen: 59.969 ng

RT: 7.563 min Scan# 846

Delta R.T. -0.009 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

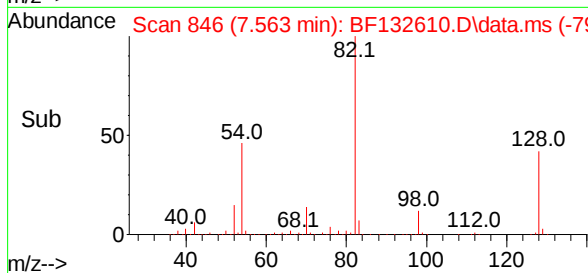
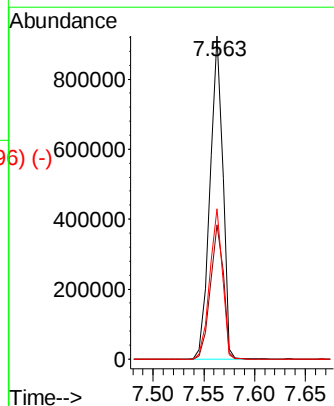
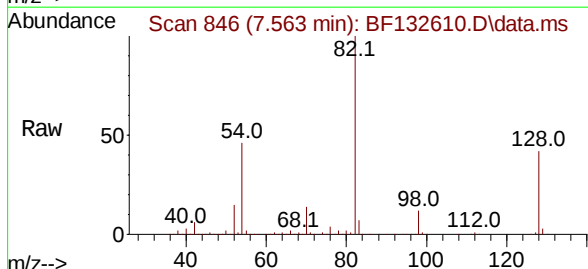
Tgt Ion: 82 Resp: 809073

Ion Ratio Lower Upper

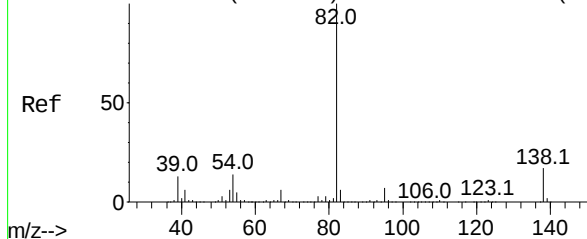
82 100

128 41.6 32.2 48.2

54 46.5 38.4 57.6



Abundance Scan 850 (7.836 min): BF132504.D\data.ms (-843) #25



Isophorone

Concen: 31.284 ng

RT: 7.563 min Scan# 81

Delta R.T. -0.262 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

Instrument :

BNA_F

ClientSampleId :

CF-5

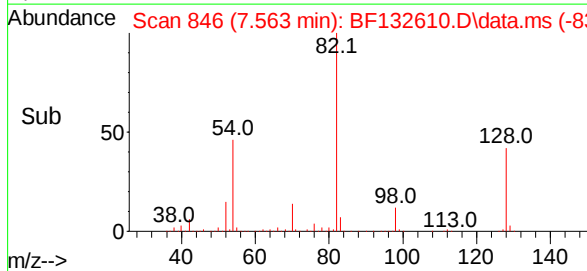
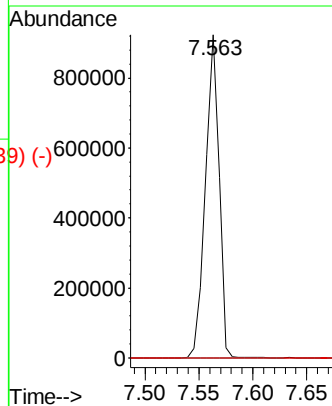
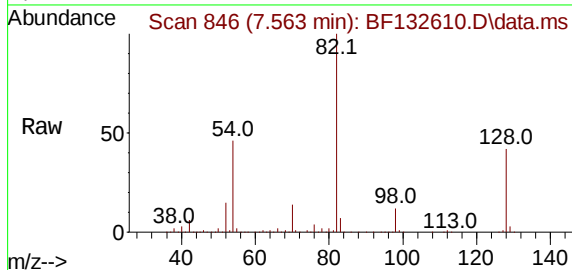
Tgt Ion: 82 Resp: 809200

Ion Ratio Lower Upper

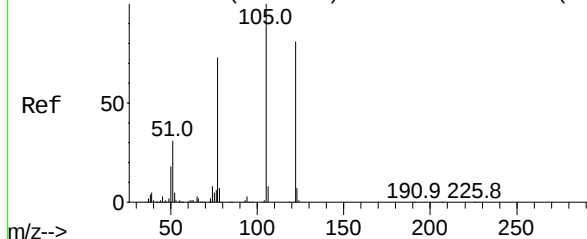
82 100

95 0.0 5.7 8.5#

138 0.0 13.3 19.9#



Abundance Scan 891 (8.078 min): BF132504.D\data.ms (-875) #32



Benzoic acid

Concen: 3.843 ng

RT: 8.287 min Scan# 969

Delta R.T. 0.221 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

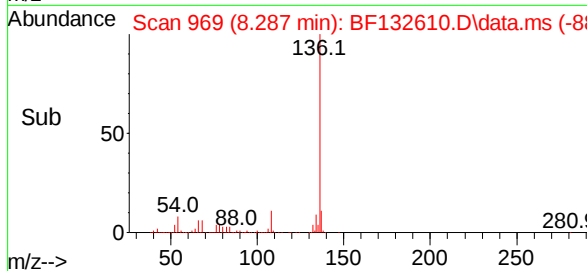
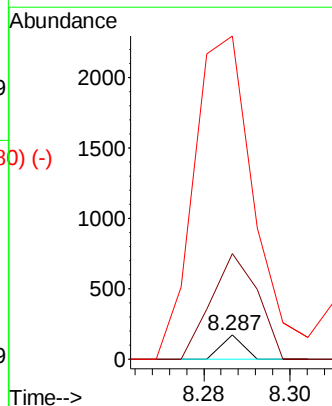
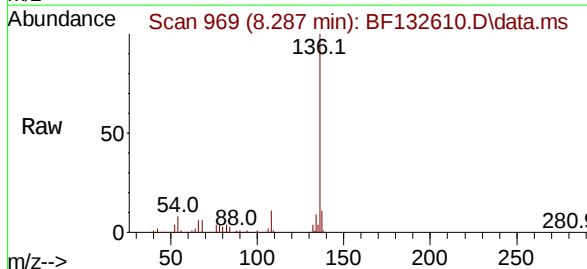
Tgt Ion:122 Resp: 61

Ion Ratio Lower Upper

122 100

105 434.1 102.6 142.6#

77 1325.4 70.2 110.2#



Abundance Scan 1228 (10.060 min): BF132504.D\data.ms (-1228) (-)

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1228

Delta R.T. -0.009 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

Instrument :

BNA_F

ClientSampleId :

CF-5

Tgt Ion:164 Resp: 370426

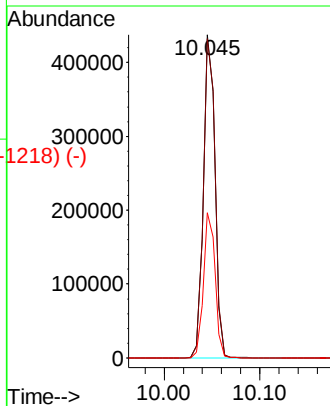
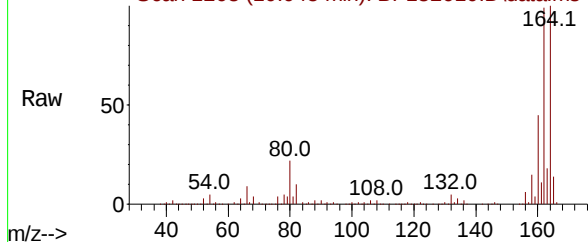
Ion Ratio Lower Upper

164 100

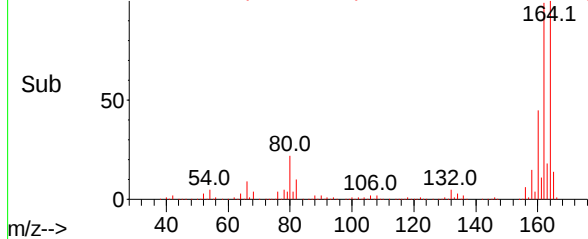
162 98.7 79.8 119.8

160 45.0 35.8 53.6

Abundance Scan 1268 (10.045 min): BF132610.D\data.ms



Abundance Scan 1268 (10.045 min): BF132610.D\data.ms (-1218) (-)



Abundance Scan 1364 (10.860 min): BF132504.D\data.ms (-1364) (-)

2,4,6-Tribromophenol

Concen: 82.655 ng

RT: 10.845 min Scan# 1404

Delta R.T. -0.003 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

Tgt Ion:330 Resp: 330656

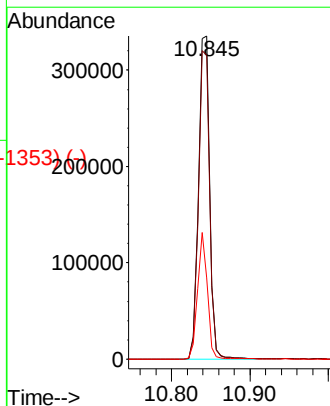
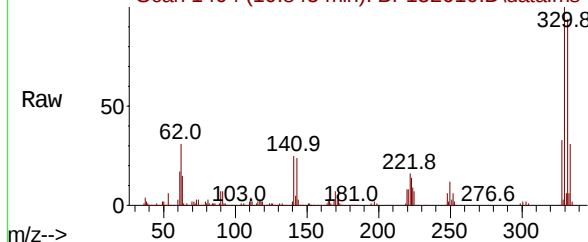
Ion Ratio Lower Upper

330 100

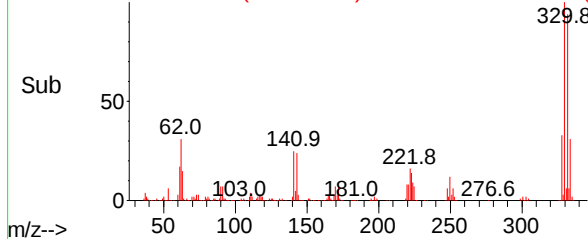
332 95.3 76.2 114.4

141 34.6 28.4 42.6

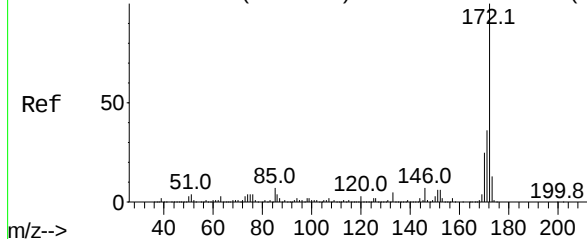
Abundance Scan 1404 (10.845 min): BF132610.D\data.ms



Abundance Scan 1404 (10.845 min): BF132610.D\data.ms (-1353) (-)



Abundance Scan 1112 (9.377 min): BF132504.D\data.ms (-11021)



2-Fluorobiphenyl

Concen: 56.696 ng

RT: 9.363 min Scan# 11021

Delta R.T. -0.009 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

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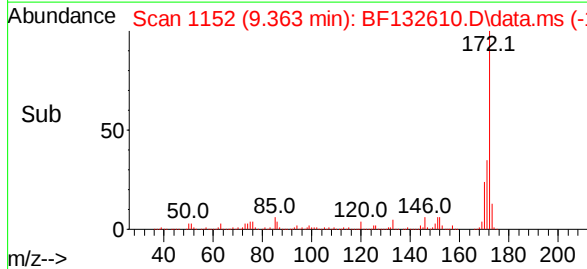
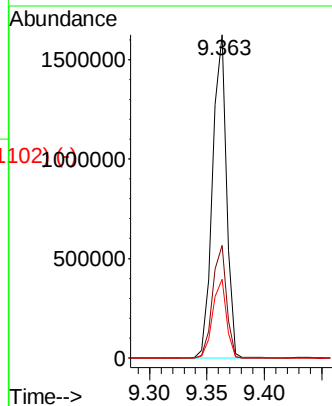
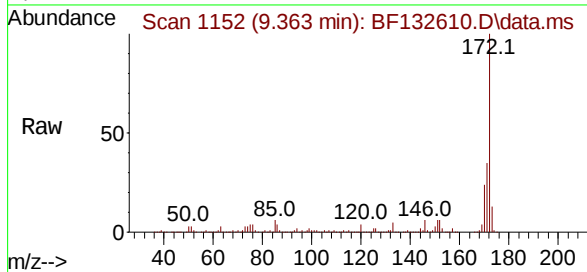
Tgt Ion:172 Resp: 1379280

Ion Ratio Lower Upper

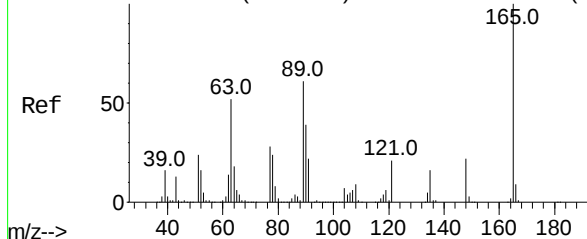
172 100

171 34.8 28.8 43.2

170 24.3 19.7 29.5



Abundance Scan 1191 (9.842 min): BF132504.D\data.ms (-11051)



2,6-Dinitrotoluene

Concen: 7.979 ng

RT: 10.045 min Scan# 1268

Delta R.T. 0.209 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

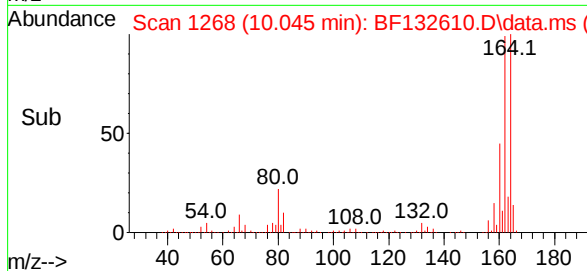
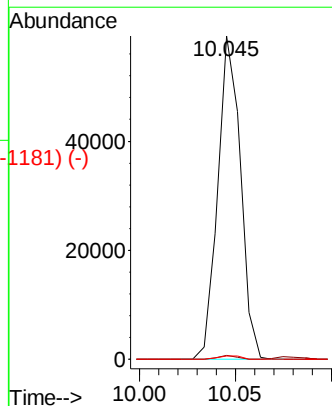
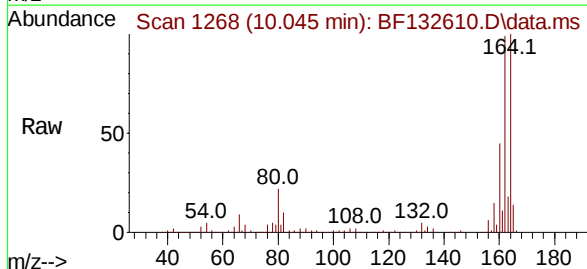
Tgt Ion:165 Resp: 49010

Ion Ratio Lower Upper

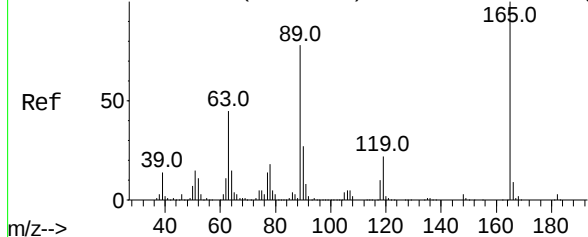
165 100

63 1.1 47.3 70.9#

89 1.0 48.9 73.3#



Abundance Scan 1260 (10.248 min): BF132504.D\data.ms (-1250) (-)



2,4-Dinitrotoluene

Concen: 5.997 ng

RT: 10.045 min Scan# 1523

Delta R.T. -0.197 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

Instrument :

BNA_F

ClientSampleId :

CF-5

Tgt Ion:165 Resp: 49010

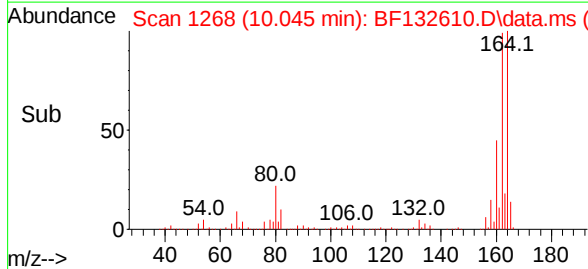
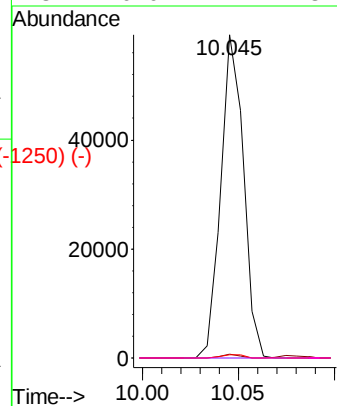
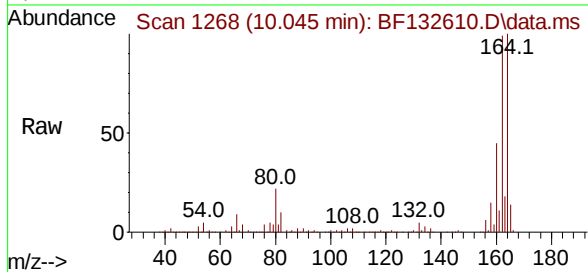
Ion Ratio Lower Upper

165 100

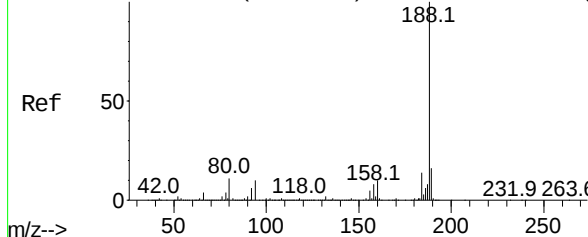
63 1.1 36.5 54.7#

89 1.0 62.4 93.6#

182 0.0 2.1 3.1#



Abundance Scan 1482 (11.554 min): BF132504.D\data.ms (-1472) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 1523

Delta R.T. -0.003 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

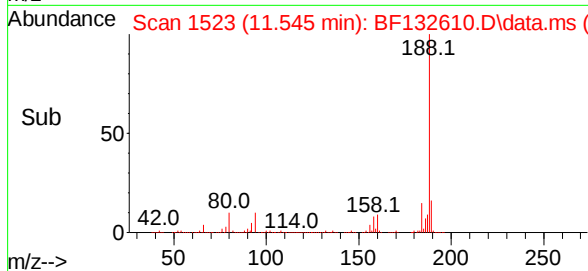
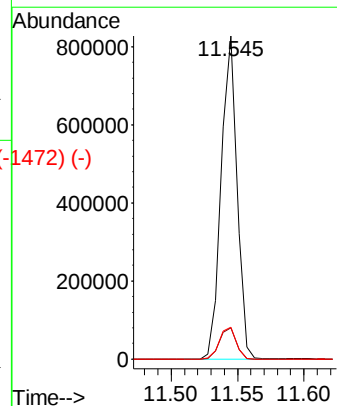
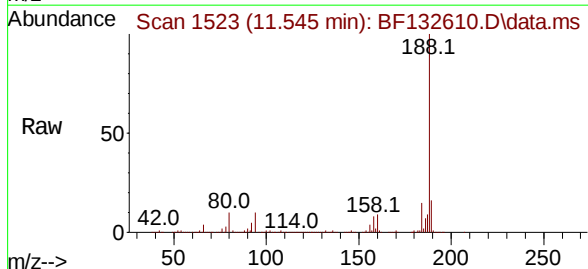
Tgt Ion:188 Resp: 686386

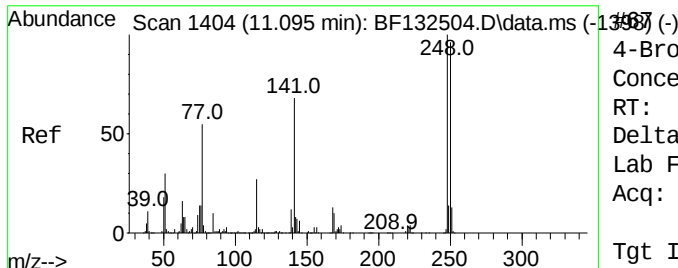
Ion Ratio Lower Upper

188 100

94 9.8 8.3 12.5

80 9.8 8.7 13.1

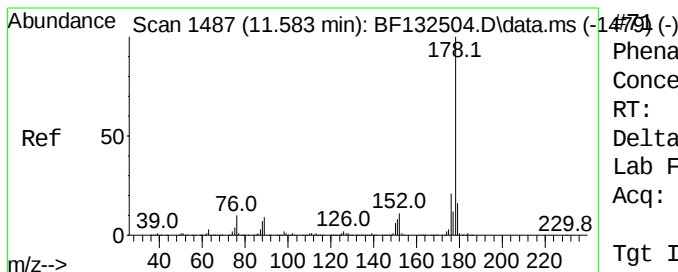
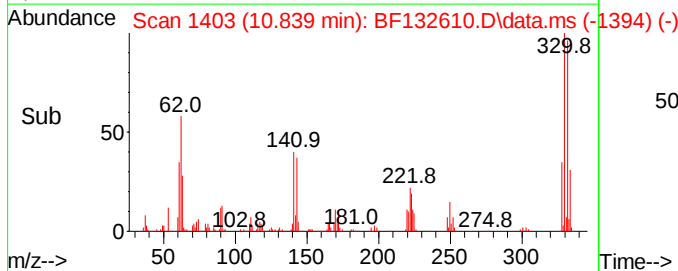
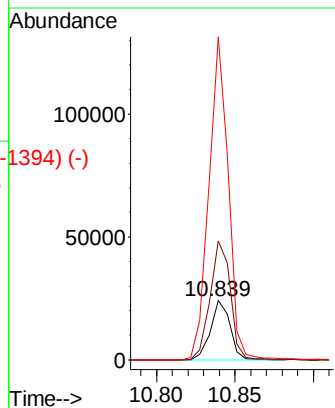
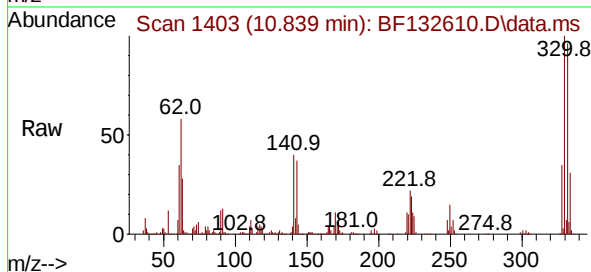




4-Bromophenyl-phenylether
 Concen: 2.711 ng
 RT: 10.839 min Scan# 1107
 Delta R.T. -0.250 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

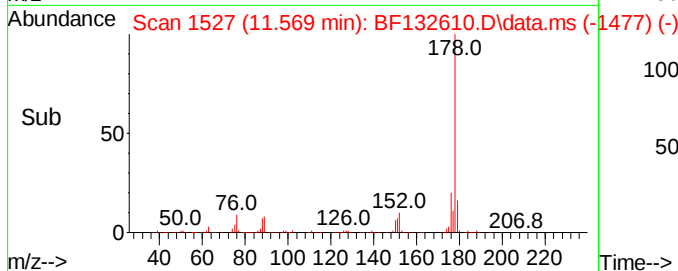
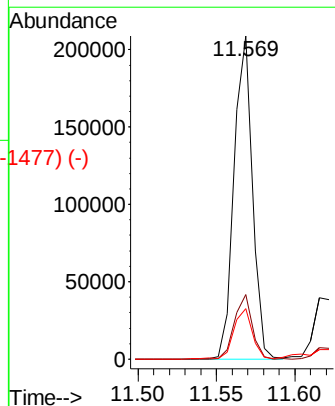
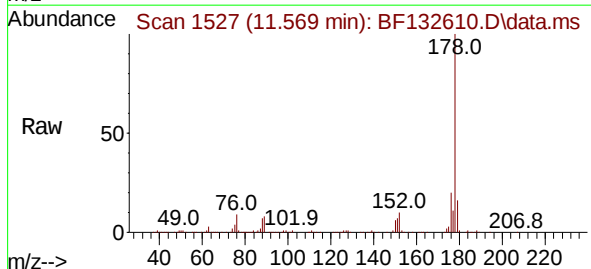
Instrument :
 BNA_F
 ClientSampleId :
 CF-5

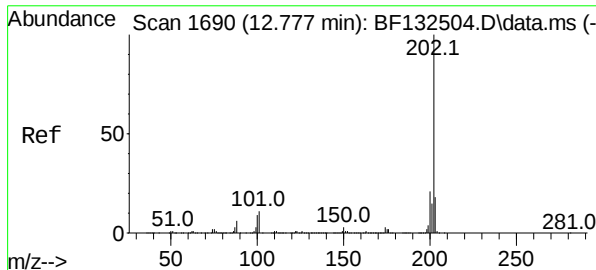
Tgt Ion:	248	Resp:	21047
Ion	Ratio	Lower	Upper
248	100		
250	200.2	77.0	115.4#
141	543.9	54.2	81.2#



Phenanthrene
 Concen: 4.765 ng
 RT: 11.569 min Scan# 1527
 Delta R.T. -0.009 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

Tgt Ion:	178	Resp:	169450
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	15.7	13.0	19.6

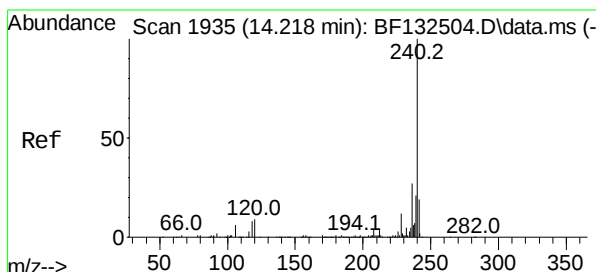
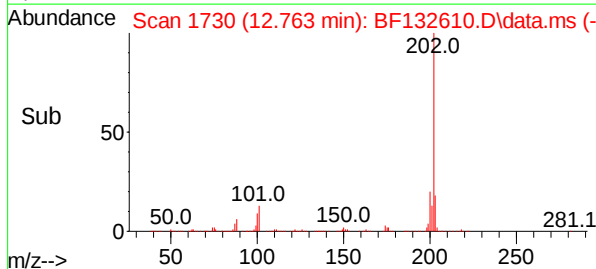
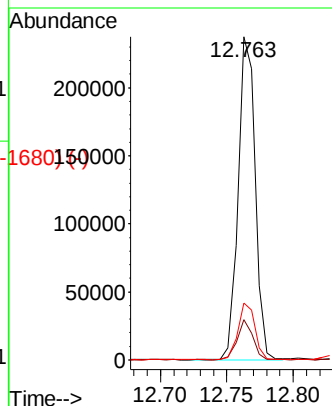
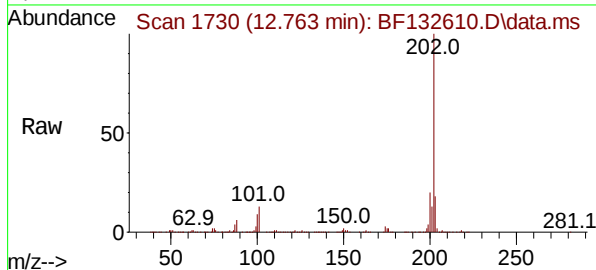




Fluoranthene
Concen: 5.513 ng
RT: 12.763 min Scan# 1685
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

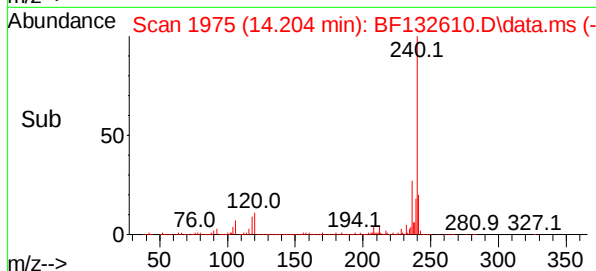
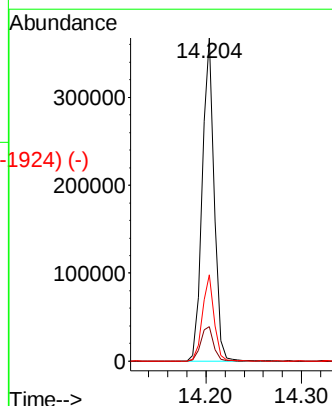
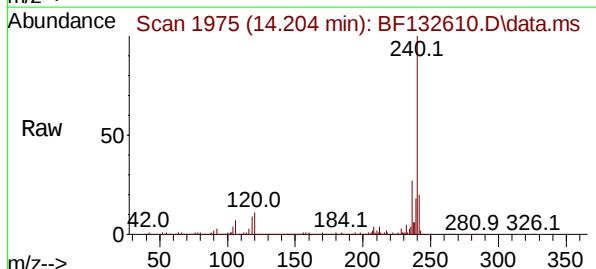
Instrument :
BNA_F
ClientSampleId :
CF-5

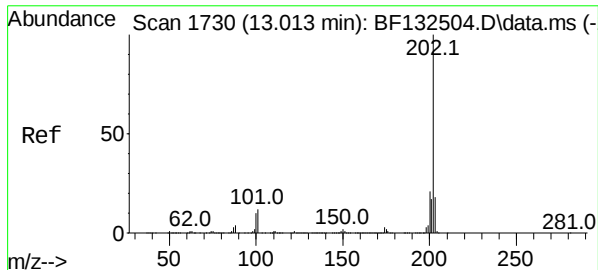
Tgt Ion:	202	Resp:	214316
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.4
203	17.6	0.0	38.0



Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Tgt Ion:	240	Resp:	322384
Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.2	10.8
236	26.8	21.8	32.6

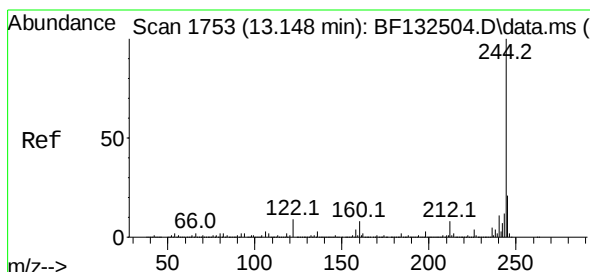
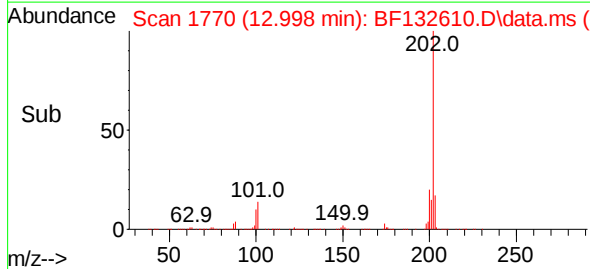
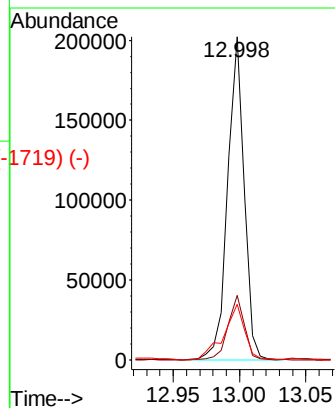
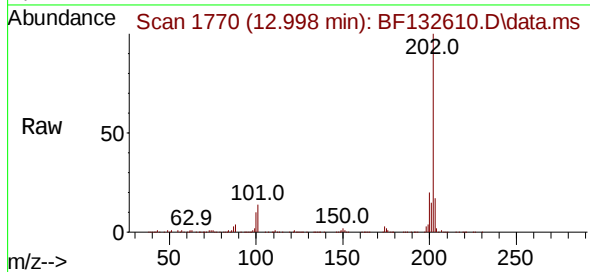




Pyrene
Concen: 5.926 ng
RT: 12.998 min Scan# 1728
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

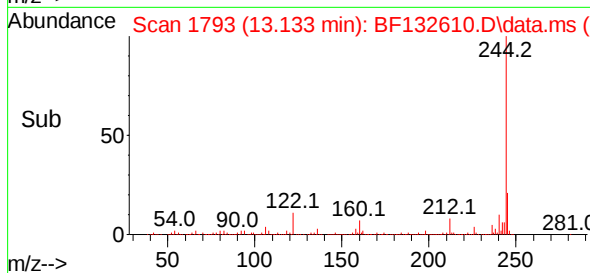
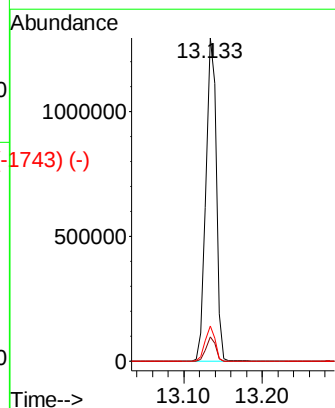
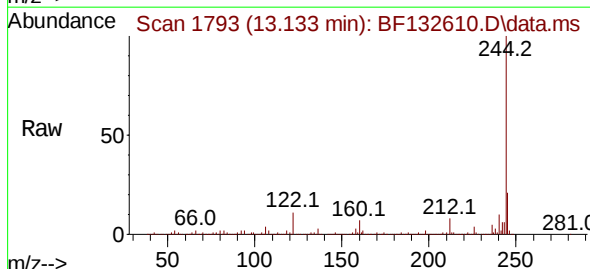
Instrument :
BNA_F
ClientSampleId :
CF-5

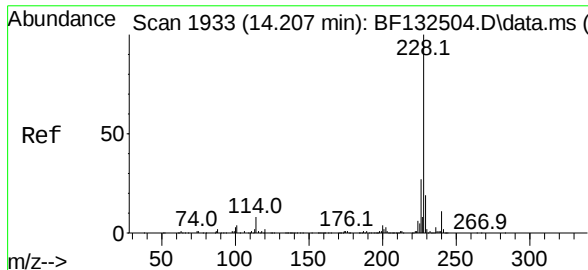
Tgt Ion:	202	Resp:	173694
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.1	25.7
203	17.2	14.6	21.8



Terphenyl-d14
Concen: 62.077 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Tgt Ion:	244	Resp:	1183651
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	10.9	7.5	11.3

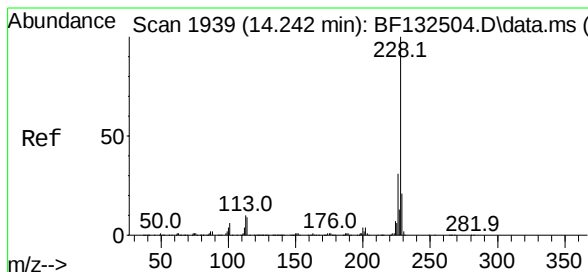
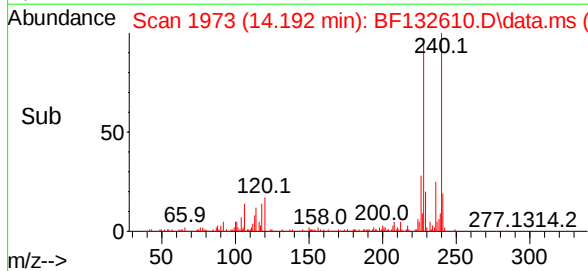
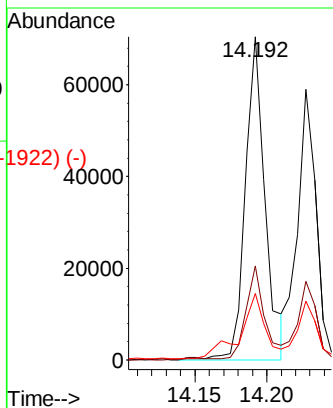
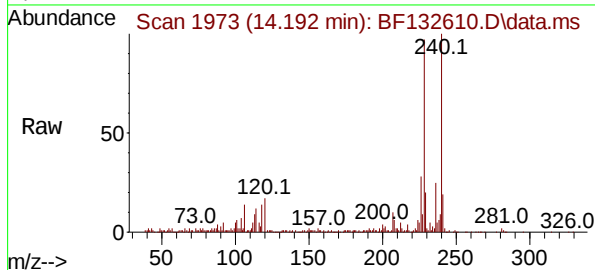




Benzo(a)anthracene
 Concen: 2.801 ng
 RT: 14.192 min Scan# 1927
 Delta R.T. -0.003 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

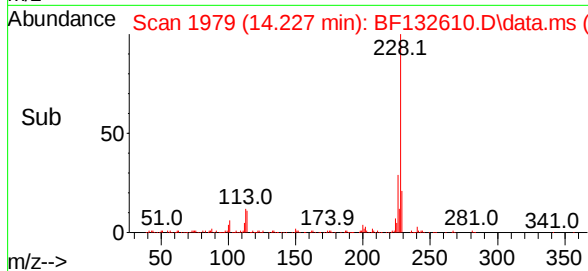
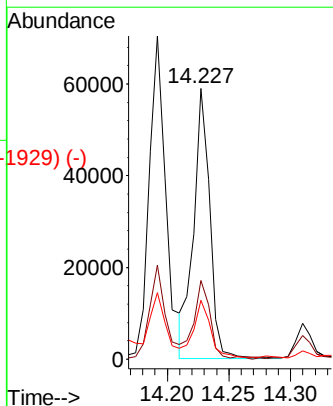
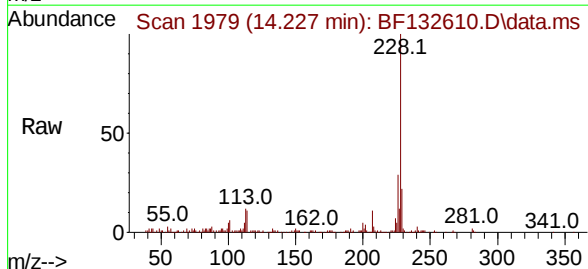
Instrument :
 BNA_F
 ClientSampleId :
 CF-5

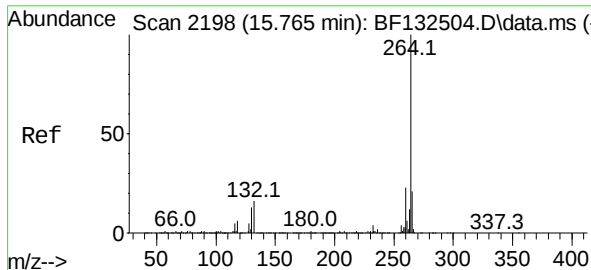
Tgt Ion:	228	Resp:	67557
Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.7	32.5
229	20.6	15.4	23.2



Chrysene
 Concen: 2.387 ng
 RT: 14.227 min Scan# 1979
 Delta R.T. -0.009 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

Tgt Ion:	228	Resp:	53839
Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	21.6	16.4	24.6

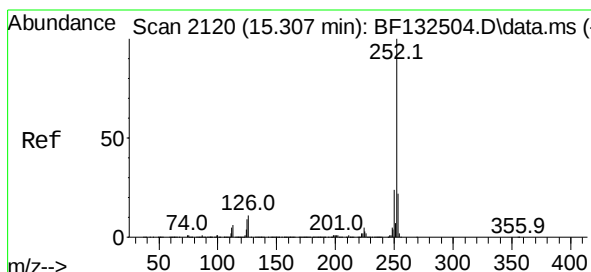
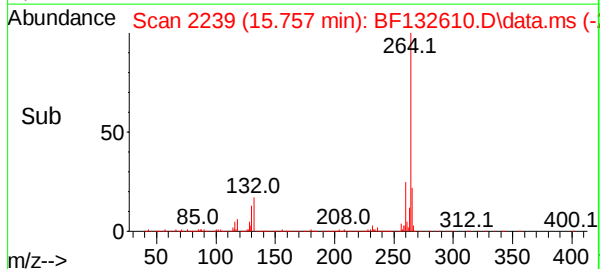
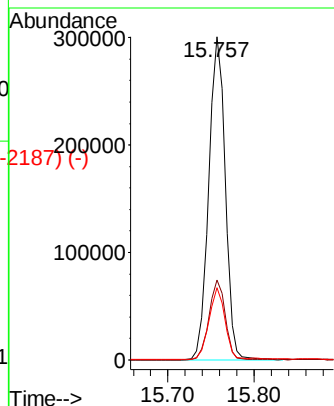
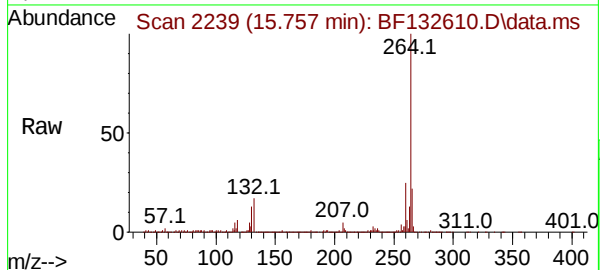




Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

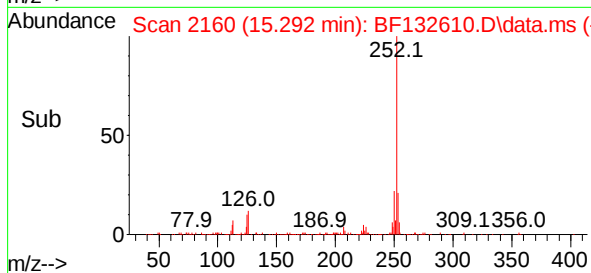
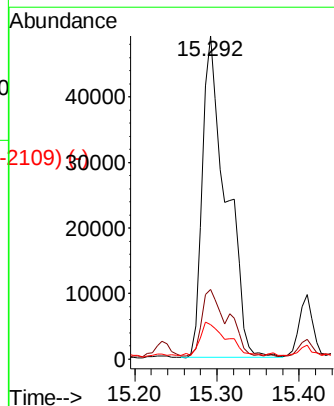
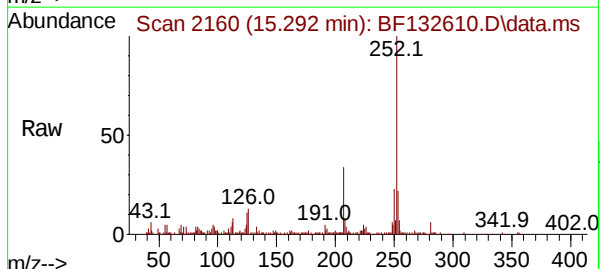
Instrument :
BNA_F
ClientSampleId :
CF-5

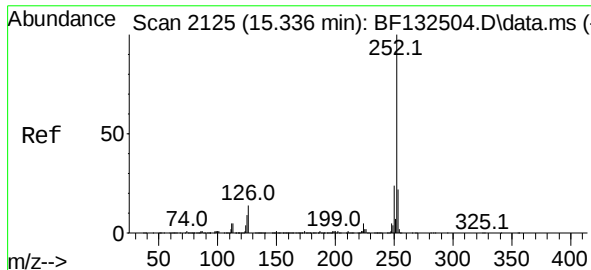
Tgt Ion:	264	Resp:	397342
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	22.3	17.1	25.7



Benzo(b)fluoranthene
Concen: 3.683 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Tgt Ion:	252	Resp:	98079
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.7	7.0	10.6#

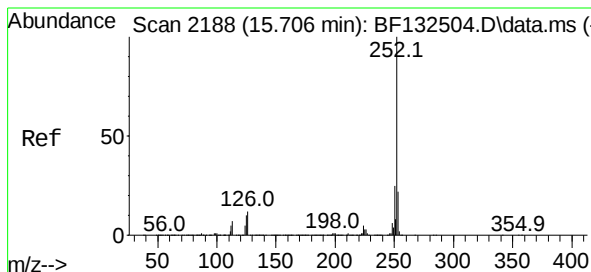
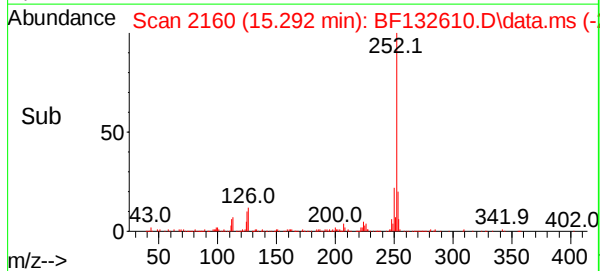
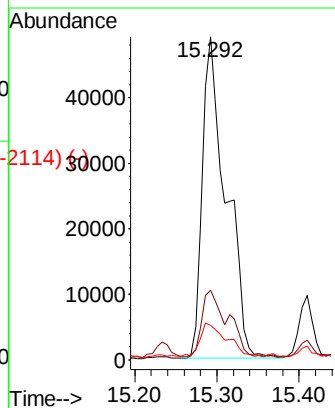
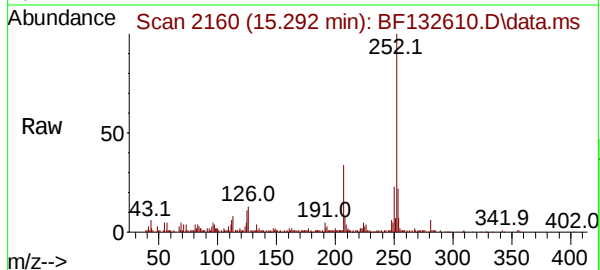




Benzo(k)fluoranthene
Concen: 3.764 ng
RT: 15.292 min Scan# 2125
Delta R.T. -0.032 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

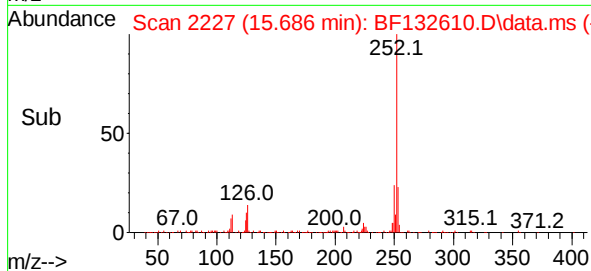
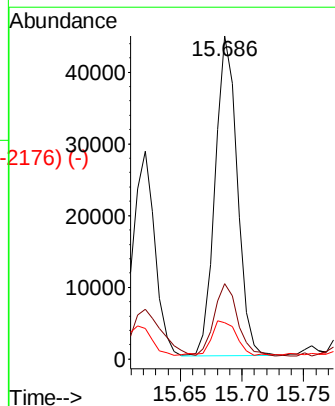
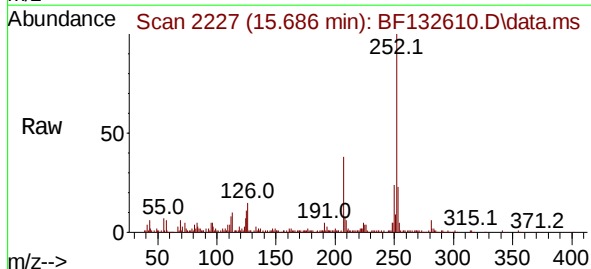
Instrument :
BNA_F
ClientSampleId :
CF-5

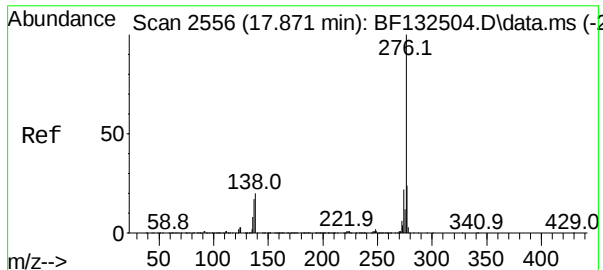
Tgt Ion:252 Resp: 98079
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.7 7.2 10.8



Benzo(a)pyrene
Concen: 2.235 ng
RT: 15.686 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Tgt Ion:252 Resp: 55710
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 11.3 8.0 12.0





Benzo(g,h,i)perylene
 Concen: 2.818 ng
 RT: 17.839 min Scan# 1
 Delta R.T. -0.015 min
 Lab File: BF132610.D
 Acq: 02 Mar 2023 16:33

Instrument :
 BNA_F
 ClientSampleId :
 CF-5

Tgt Ion:	276	Resp:	29875
Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	21.0	16.2	24.4

