

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083669.D
 Acq On : 10 Dec 2015 6:45
 Operator : UM/IZ
 Sample : G4582-01DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(0-4)DL

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:32 PM

Quant Time: Dec 10 12:12:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	134554	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	526743	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	237019	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	372604	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	302106	20.00	ng	-0.02
86) Perylene-d12	18.61	264	261470	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	294567	33.20	ng	-0.01
7) Phenol-d6	5.25	99	429782	36.26	ng	-0.02
23) Nitrobenzene-d5	6.51	82	263767	23.37	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	52646	24.93	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	385639	22.90	ng	-0.02
78) Terphenyl-d14	15.38	244	241527	18.81	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.62	128	91435	3.28	ng	96
48) Acenaphthylene	10.13	152	216529	8.44	ng	98
49) Dimethylphthalate	10.01	163	78004	4.13	ng	98
51) Acenaphthene	10.42	154	31401	2.14	ng	99
57) Fluorene	11.26	166	47955	2.70	ng	96
70) Phenanthrene	12.80	178	467069	21.82	ng	99
71) Anthracene	12.90	178	127582	5.75	ng	98
74) Fluoranthene	14.73	202	658511	30.07	ng	99
77) Pyrene	15.08	202	964123	44.33	ng	99
80) Benzo(a)anthracene	16.96	228	401744m	22.72	ng	
82) Chrysene	17.01	228	414523	23.38	ng	99
85) Indeno(1,2,3-cd)pyrene	19.86	276	308506	25.79	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	546536m	36.71	ng	
88) Benzo(k)fluoranthene	18.27	252	178649m	10.89	ng	
89) Benzo(a)pyrene	18.57	252	506110	34.83	ng	97
90) Dibenzo(a,h)anthracene	19.86	278	92316m	8.31	ng	
91) Benzo(a,h,i)perylene	20.21	276	365966	33.79	ng	95

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

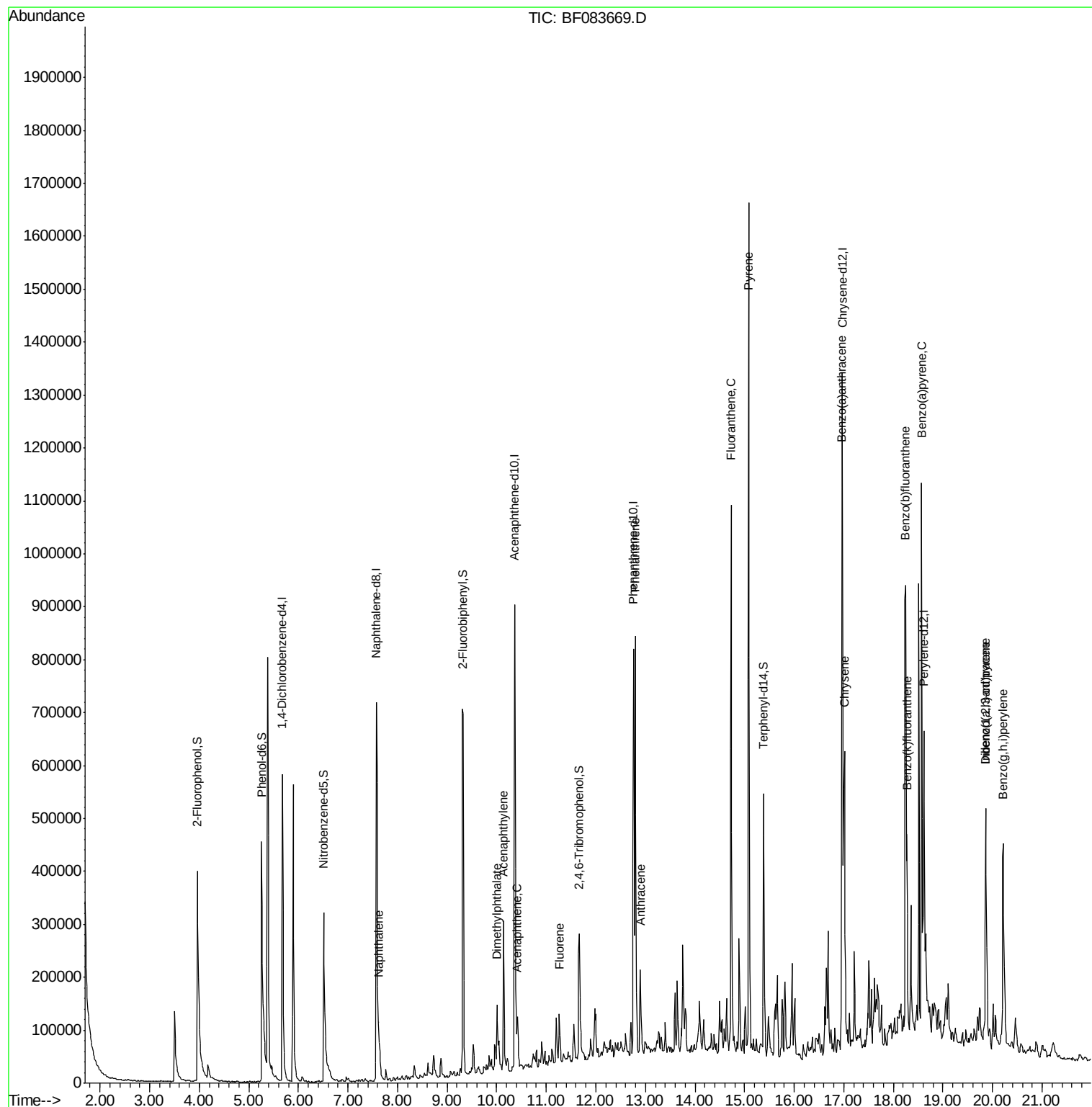
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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ALS Vial : 33 Sample Multiplier: 1

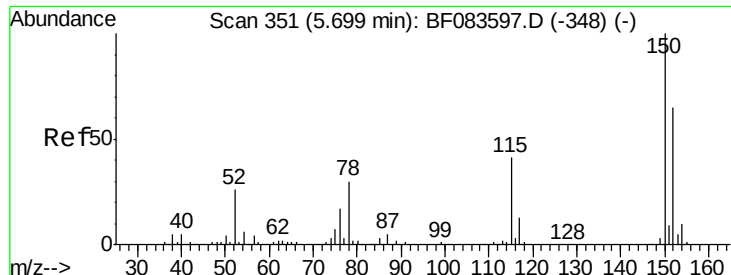
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

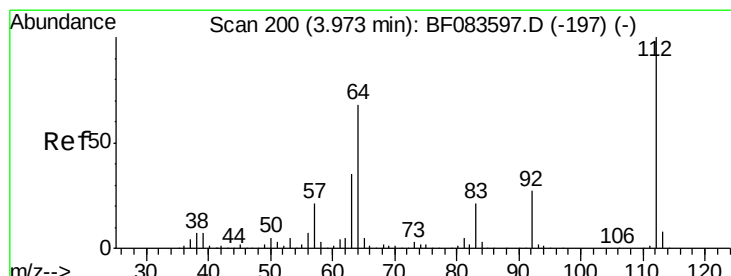
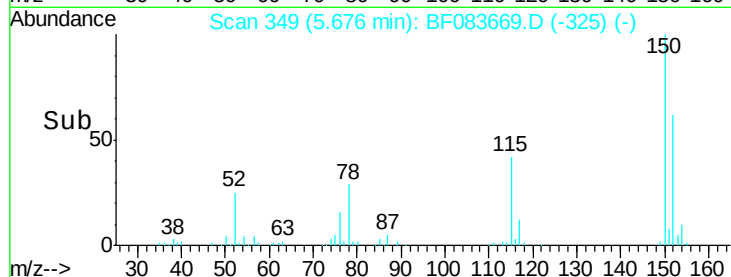
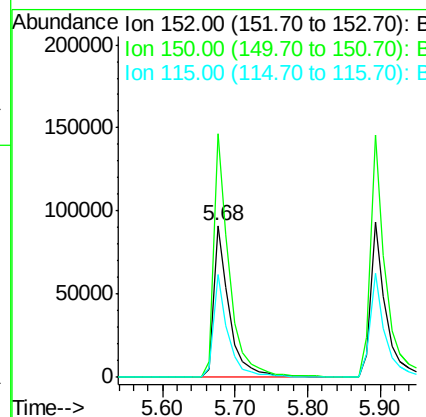
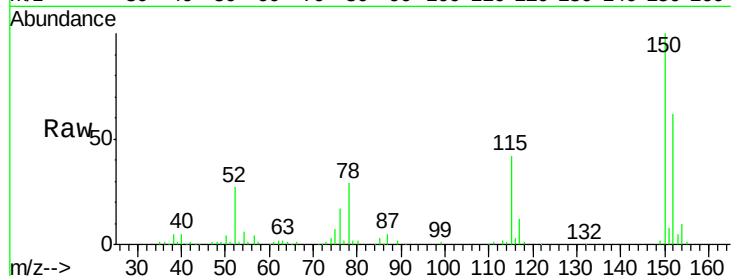
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.5	189.7
115	67.2	52.3	78.5

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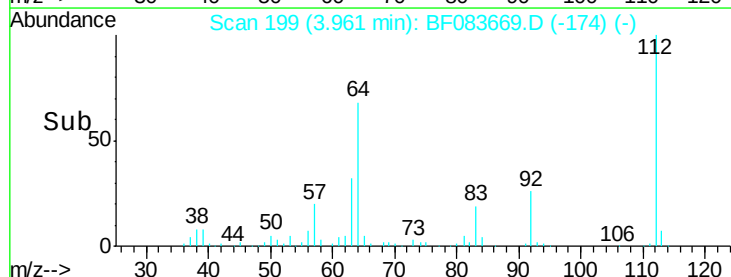
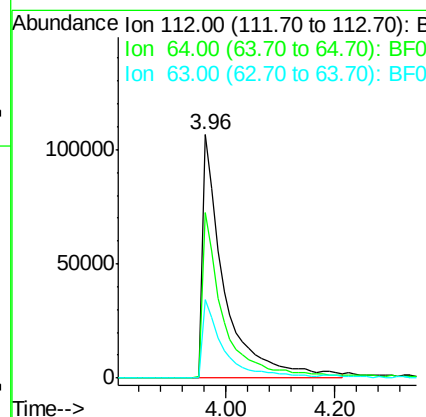
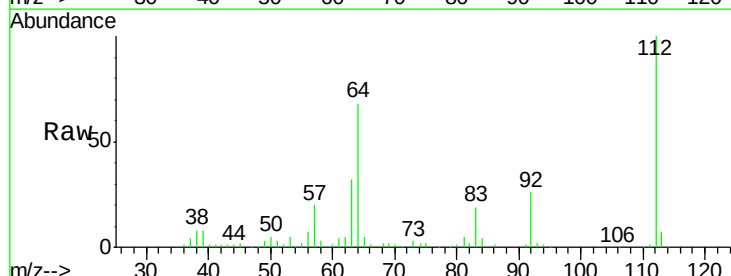
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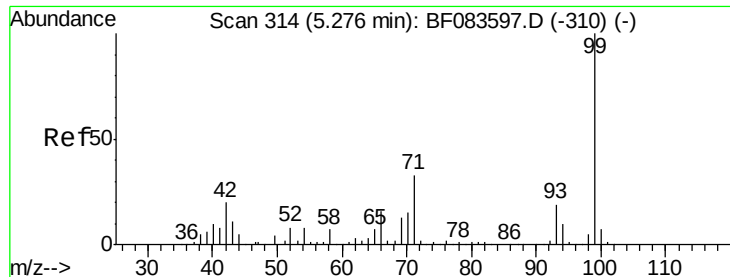


#5

2-Fluorophenol
Concen: 33.20 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	50.5	75.7
63	32.3	25.8	38.6





#7

Phenol-d6

Concen: 36.26 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Instrument :

BNA_F

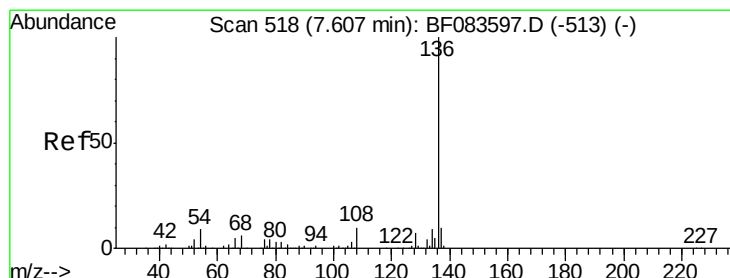
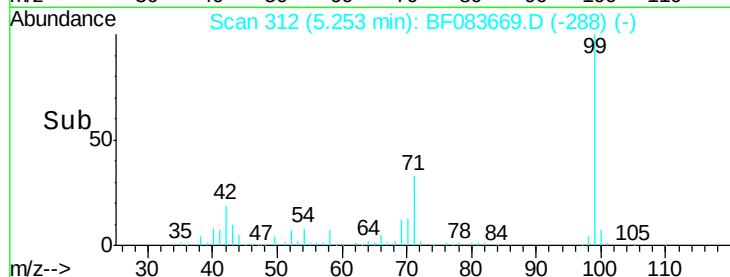
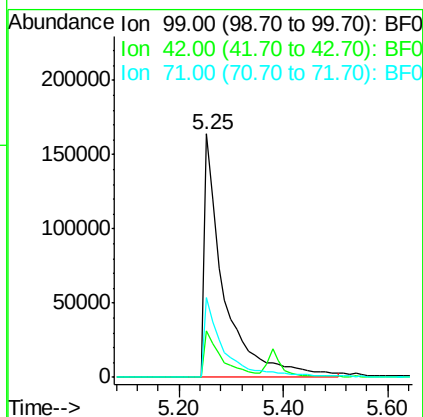
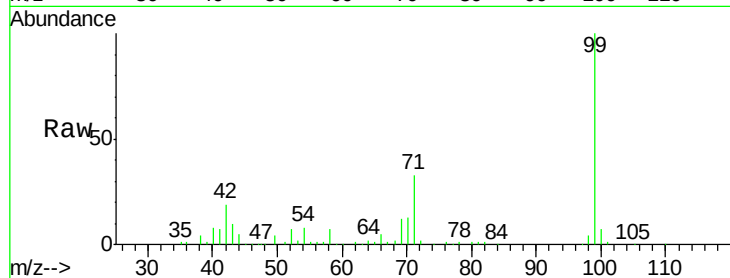
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:	99	Resp:	429782
Ion Ratio	Lower	Upper	
99	100		
42	19.1	17.3	25.9
71	32.7	26.6	40.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

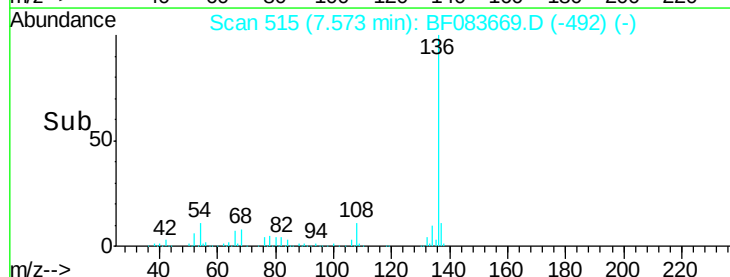
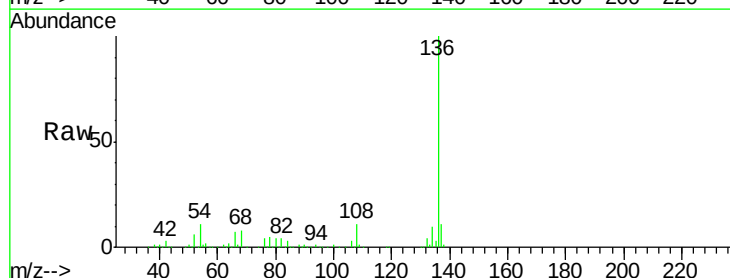
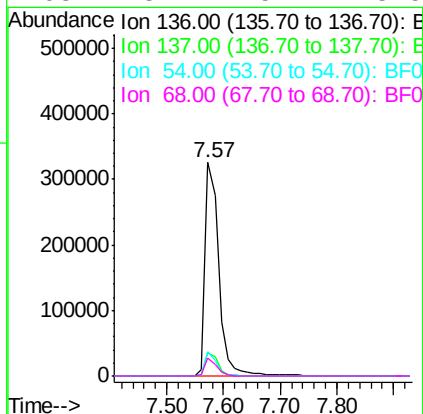
RT: 7.57 min Scan# 515

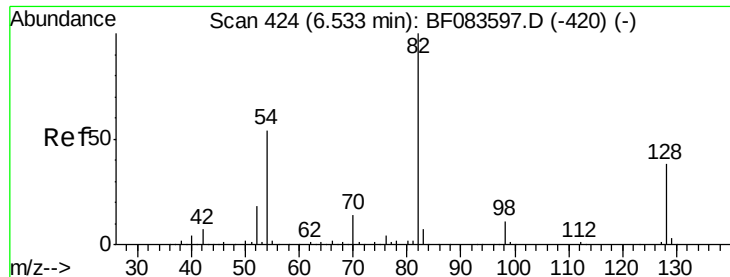
Delta R.T. -0.03 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Tgt Ion:	136	Resp:	526743
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	11.4	7.8	11.6
68	8.4	5.7	8.5





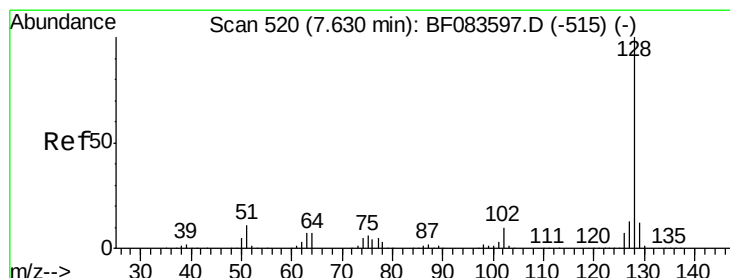
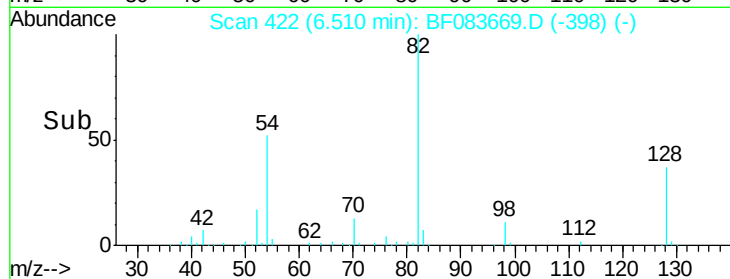
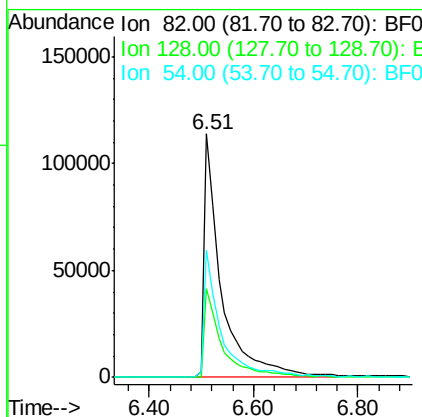
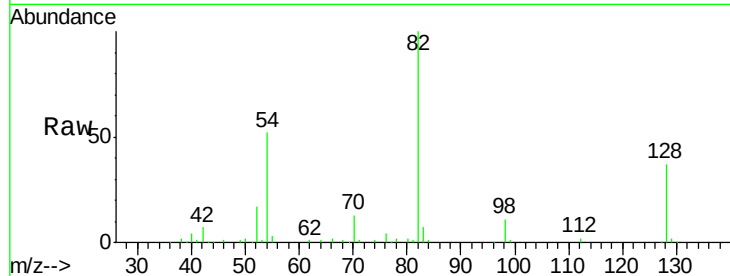
#23
Nitrobenzene-d5
Concen: 23.37 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	263767		
128	36.5	30.7	46.1	
54	52.4	42.5	63.7	

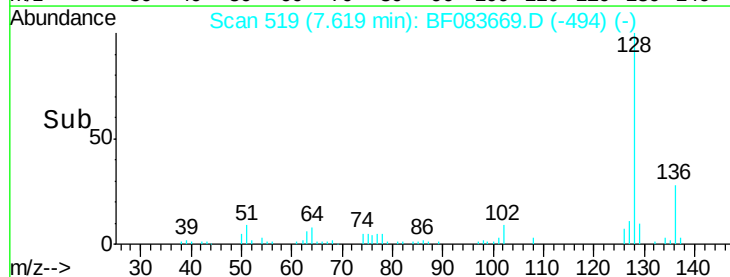
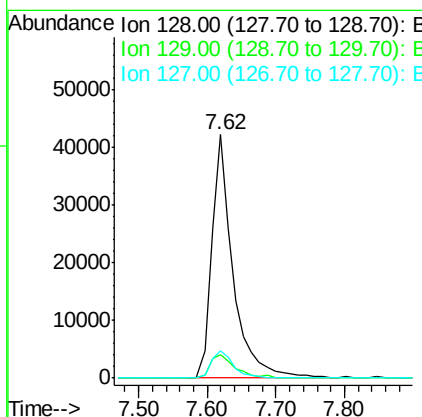
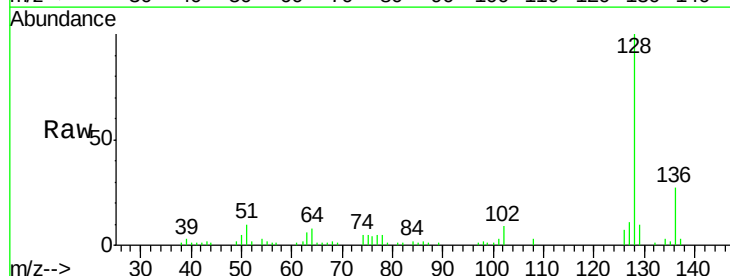
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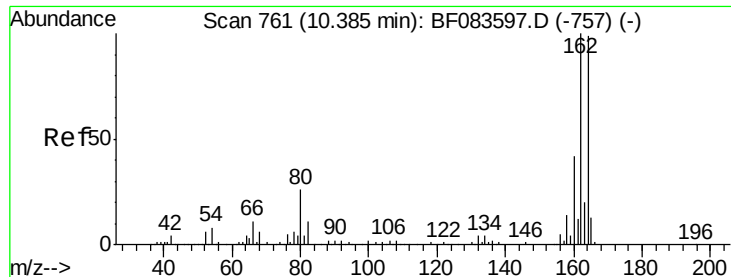
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#31
Naphthalene
Concen: 3.28 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	91435		
129	9.7	8.6	13.0	
127	11.2	10.6	16.0	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Instrument :

BNA_F

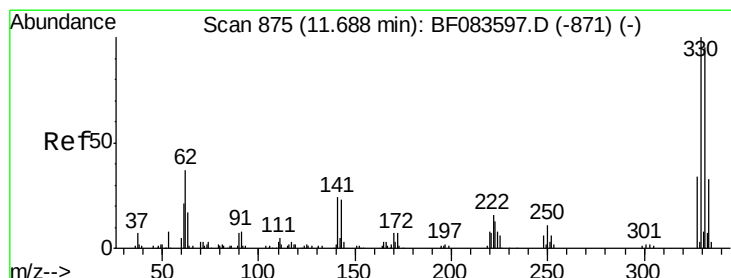
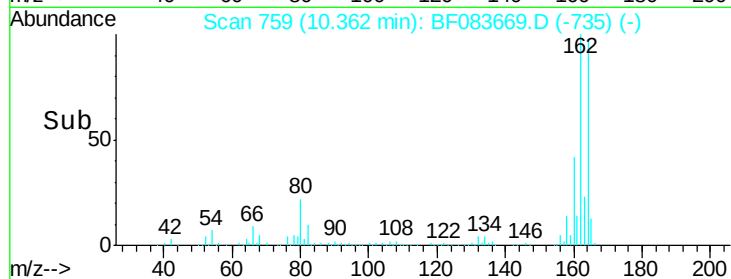
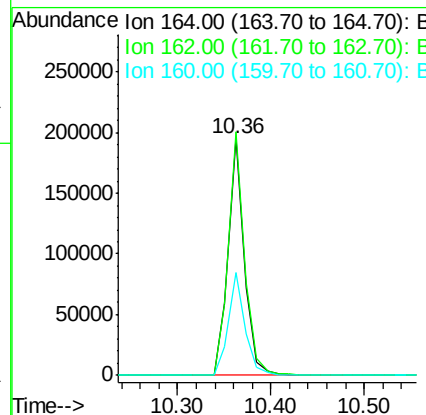
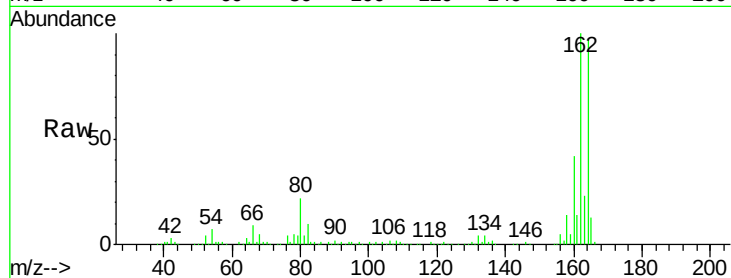
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:	164	Resp:	237019
Ion Ratio	Lower	Upper	
164	100		
162	102.9	78.8	118.2
160	43.6	33.4	50.2

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#41

2,4,6-Tribromophenol

Concen: 24.93 ng

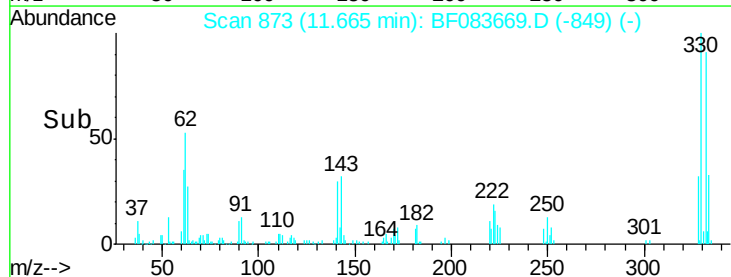
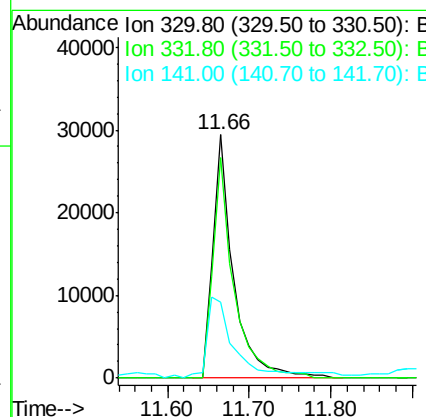
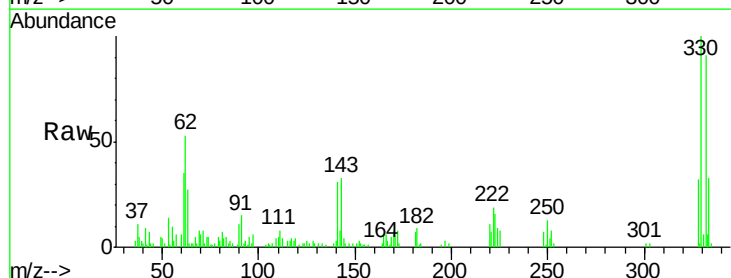
RT: 11.66 min Scan# 873

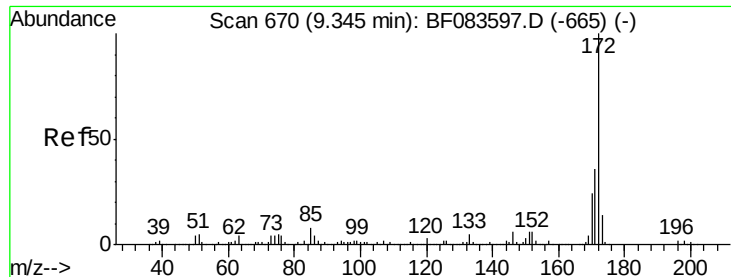
Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Tgt Ion:	330	Resp:	52646
Ion Ratio	Lower	Upper	
330	100		
332	91.4	0.0	0.0#
141	42.9	0.0	0.0#





#44

2-Fluorobiphenyl

Concen: 22.90 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Instrument :

BNA_F

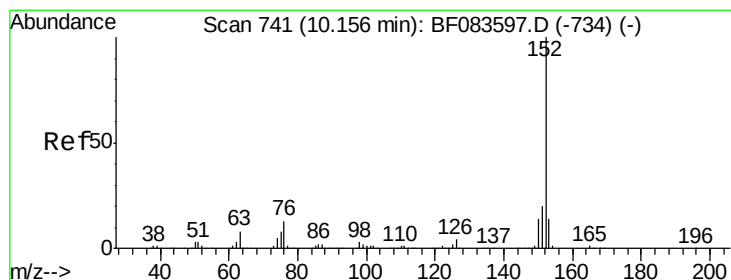
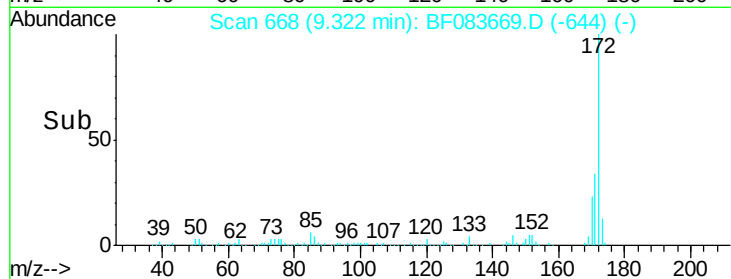
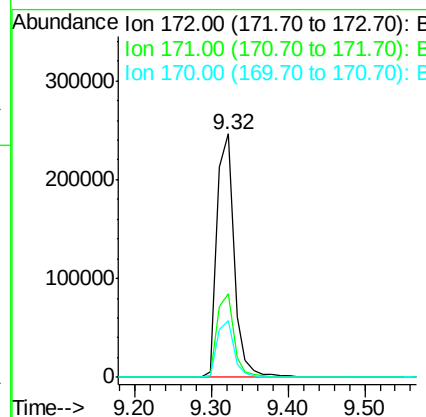
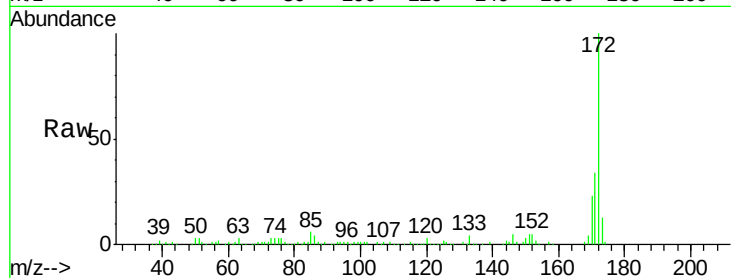
ClientSampleId :

SB-P3WC-01(0-4)DL

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		385639		
171	34.1	28.6	42.8		
170	23.1	19.4	29.0		



#48

Acenaphthylene

Concen: 8.44 ng

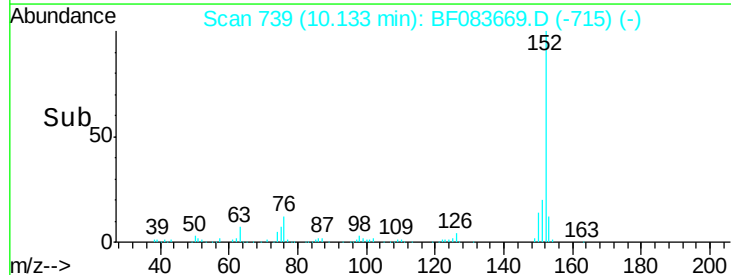
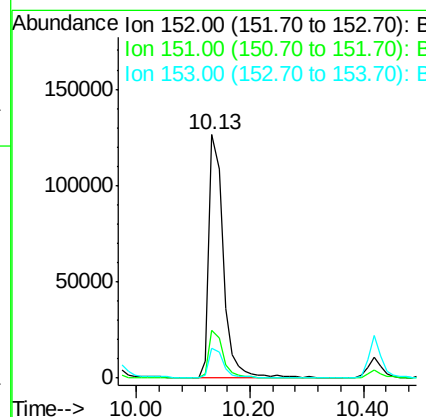
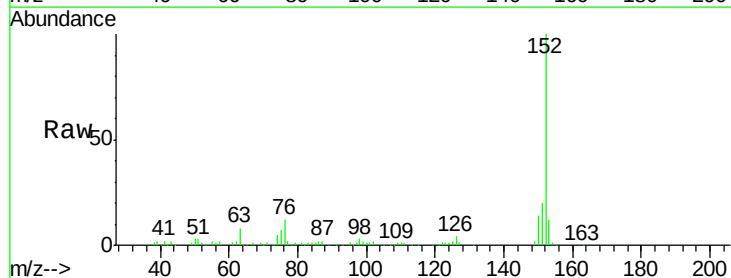
RT: 10.13 min Scan# 739

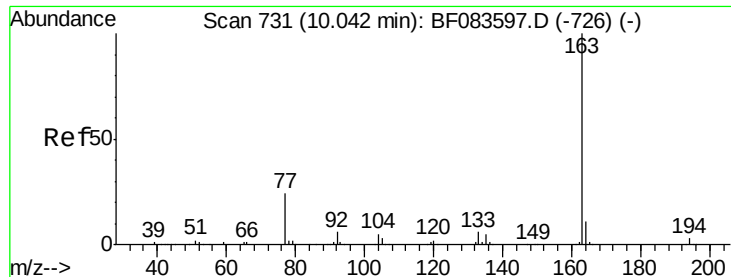
Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		216529		
151	19.7	16.3	24.5		
153	12.5	10.8	16.2		





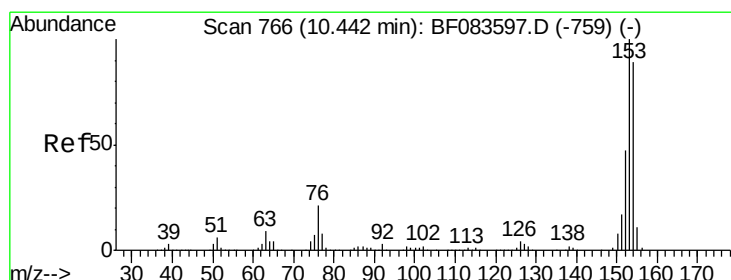
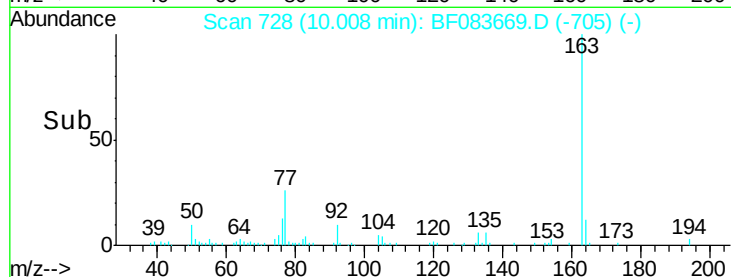
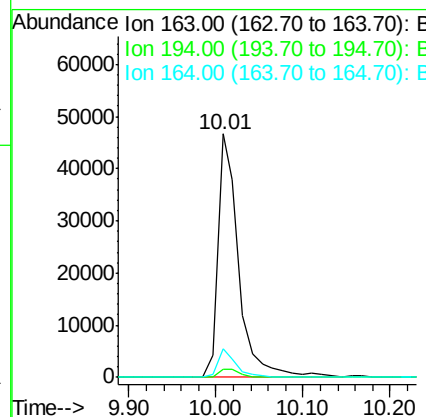
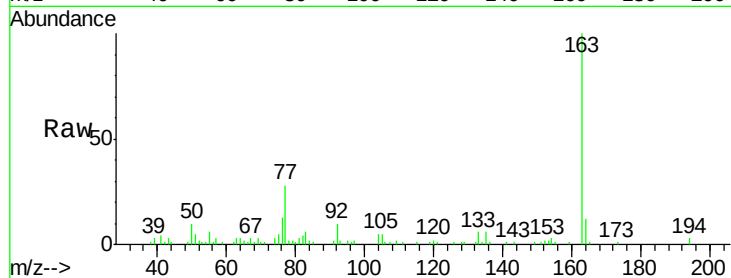
#49
Dimethylphthalate
Concen: 4.13 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	78004		
194	3.3		2.8	4.2
164	11.8		8.6	13.0

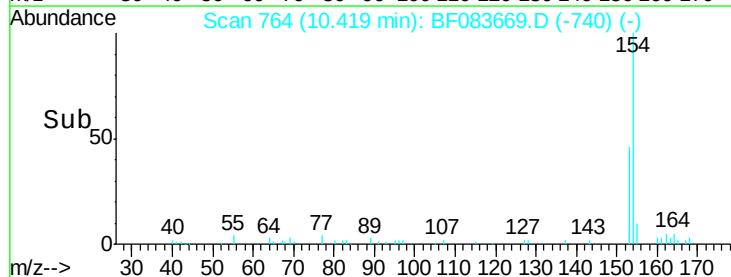
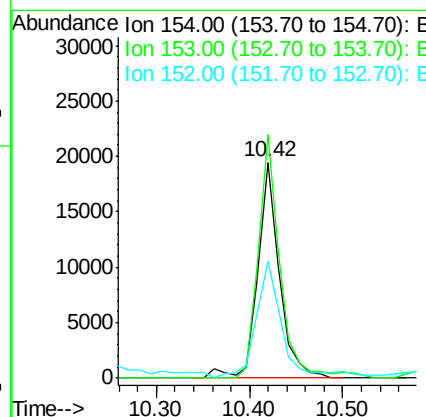
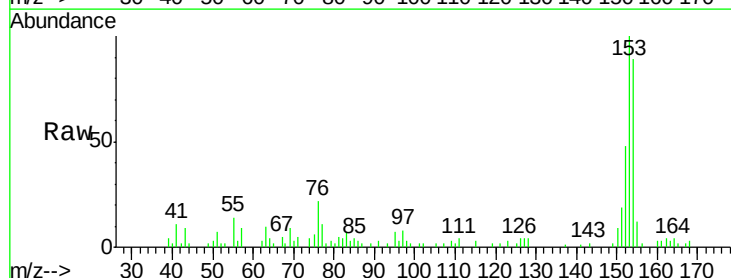
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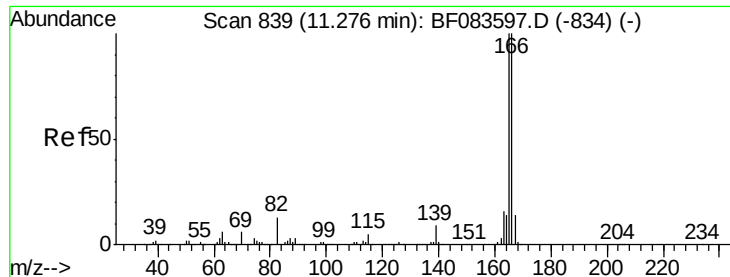
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12/10/2015 5:50:32 PM



#51
Acenaphthene
Concen: 2.14 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	31401		
153	112.8		91.4	137.0
152	54.1		43.4	65.2





#57

Fluorene

Concen: 2.70 ng

RT: 11.26 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Instrument :

BNA_F

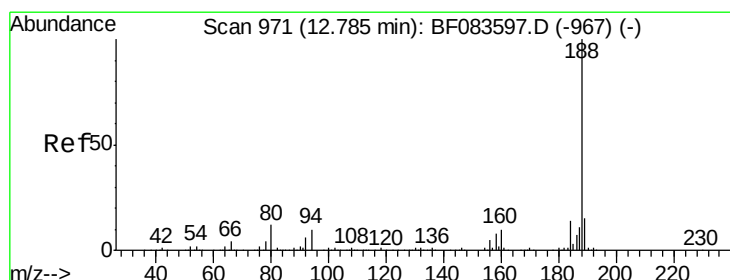
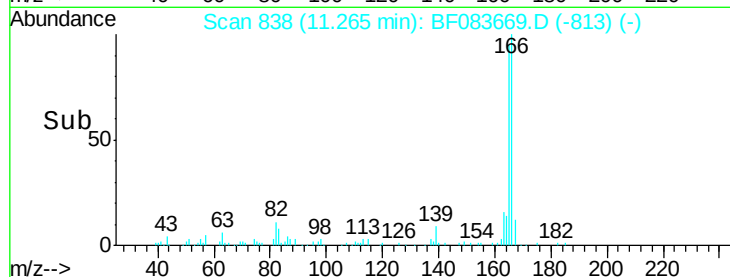
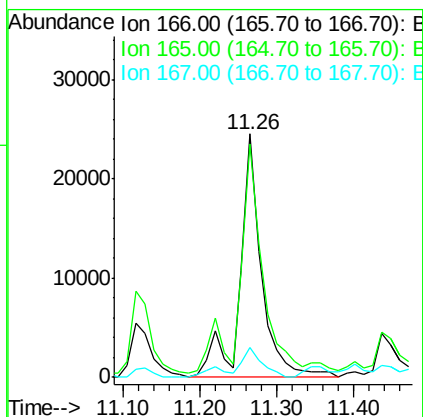
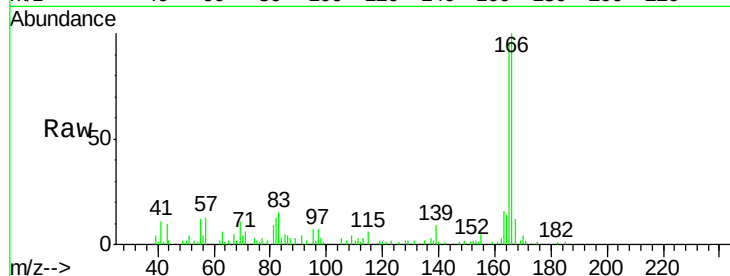
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:	166	Resp:	47955
Ion Ratio		Lower	Upper
166	100		
165	95.9	80.0	120.0
167	12.5	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

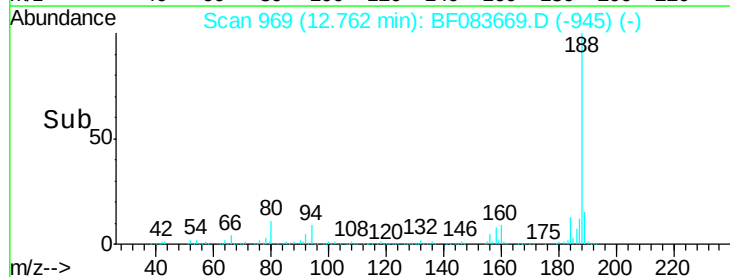
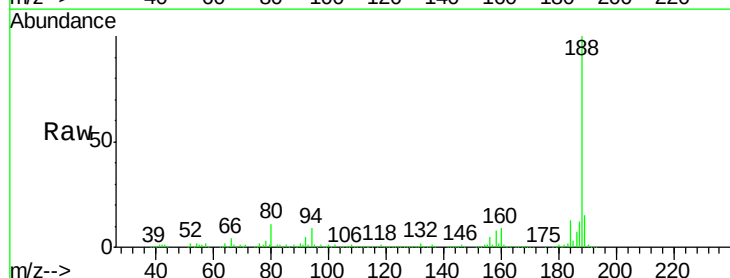
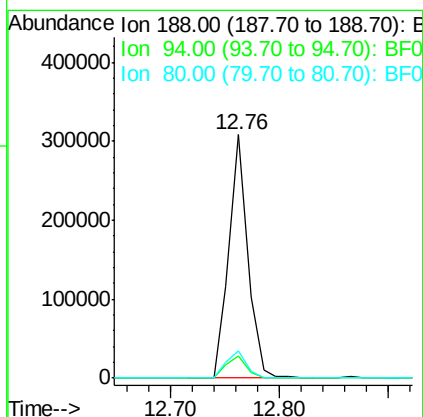
RT: 12.76 min Scan# 969

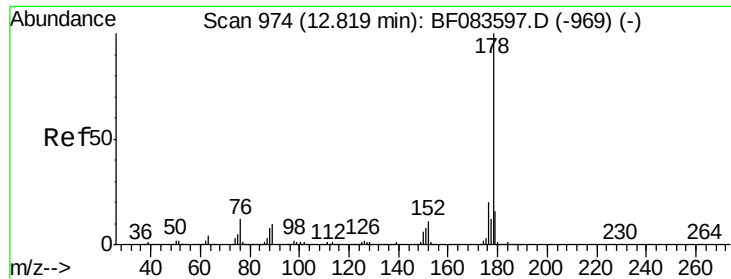
Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Tgt Ion:	188	Resp:	372604
Ion Ratio		Lower	Upper
188	100		
94	9.3	9.4	14.2#
80	11.0	10.6	16.0





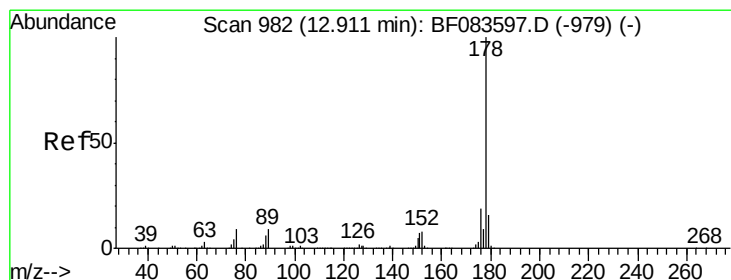
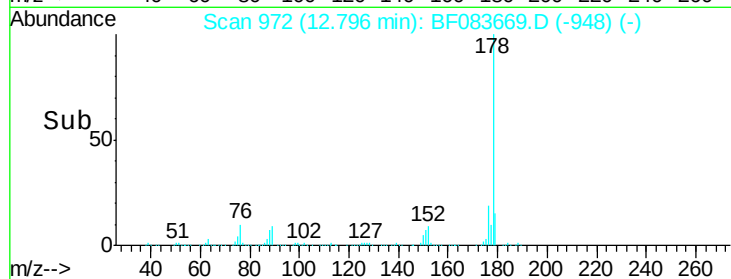
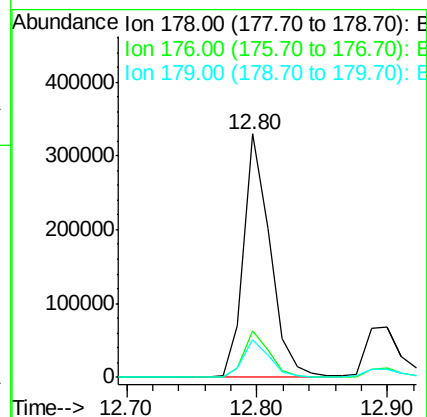
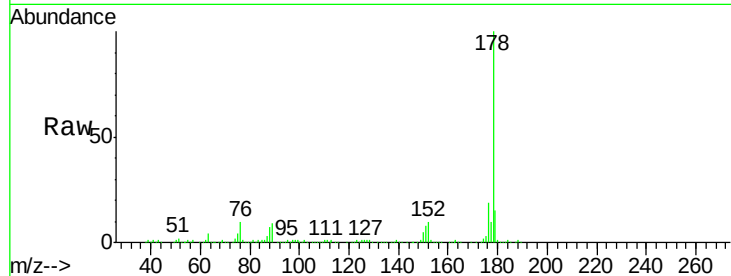
#70
Phenanthrene
Concen: 21.82 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.4	12.2	18.4

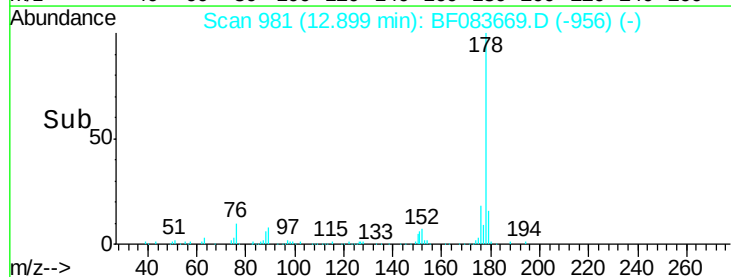
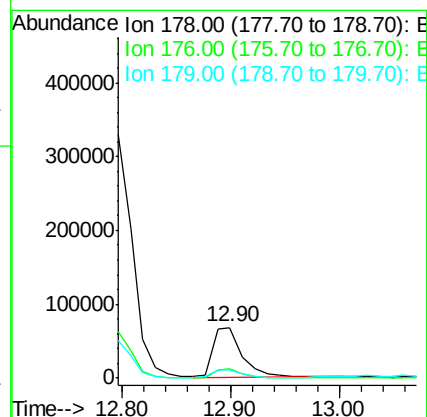
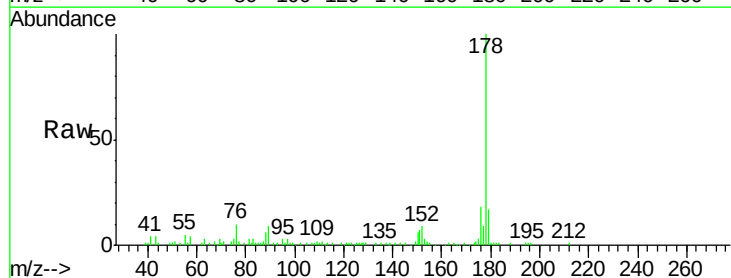
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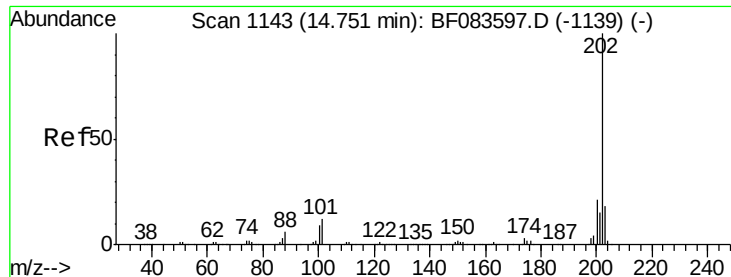
MMdadoda
12/10/2015 5:50:32 PM



#71
Anthracene
Concen: 5.75 ng
RT: 12.90 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.2	22.8
179	16.8	12.6	18.8





#74

Fluoranthene

Concen: 30.07 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Instrument :

BNA_F

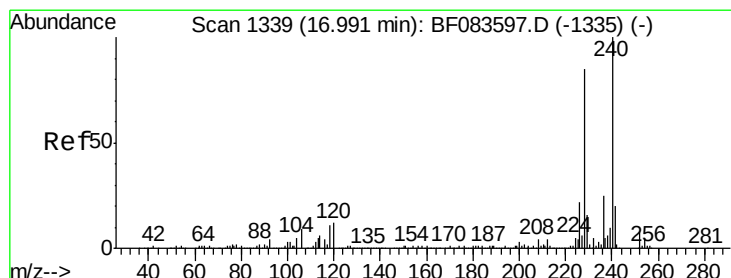
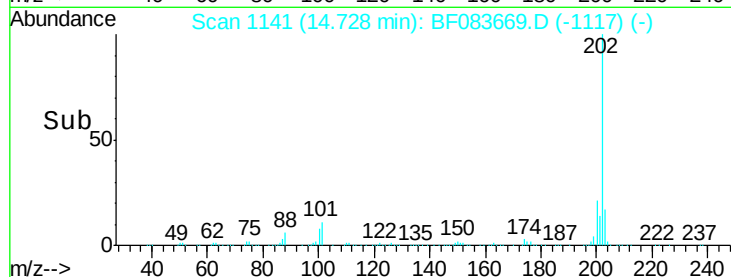
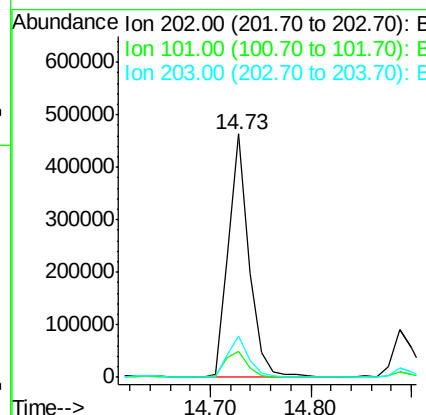
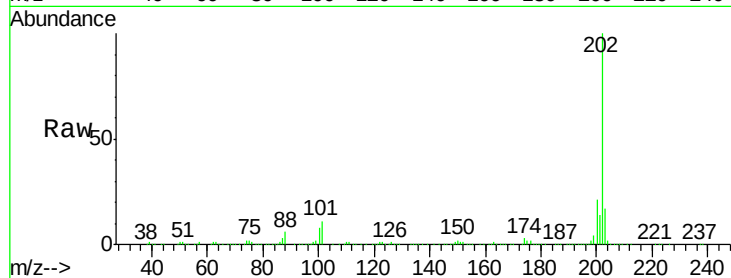
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		658511		
101	10.9	0.0	31.5		
203	17.2	0.0	37.6		

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#75

Chrysene-d12

Concen: 20.00 ng

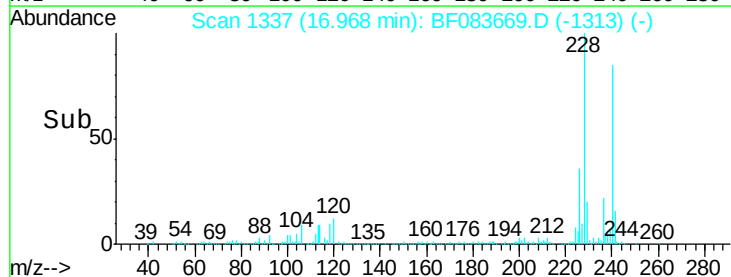
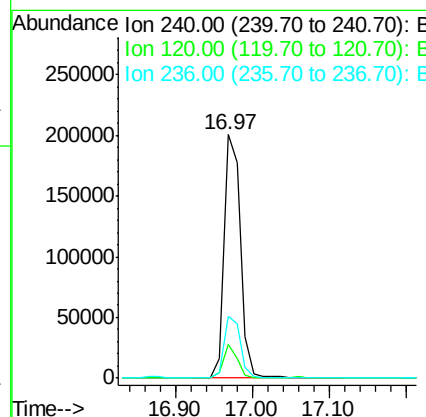
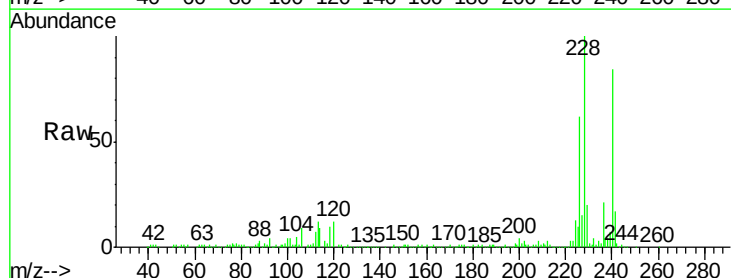
RT: 16.97 min Scan# 1337

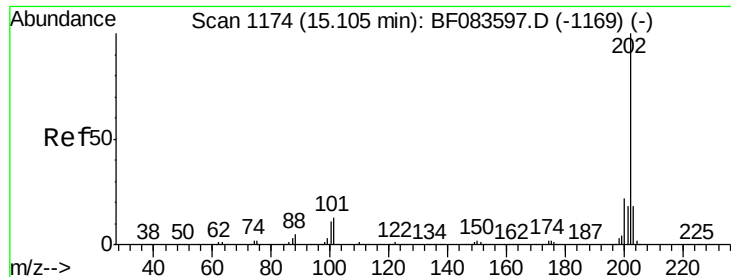
Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		302106		
120	14.0	8.1	12.1#		
236	25.5	20.8	31.2		





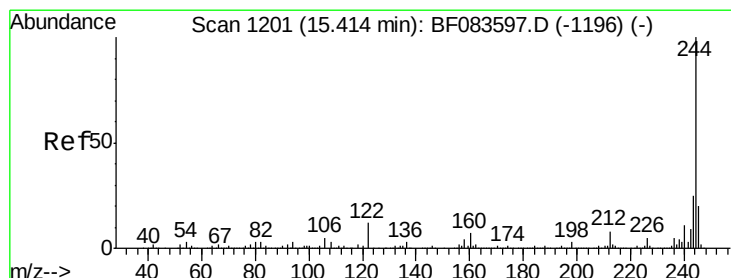
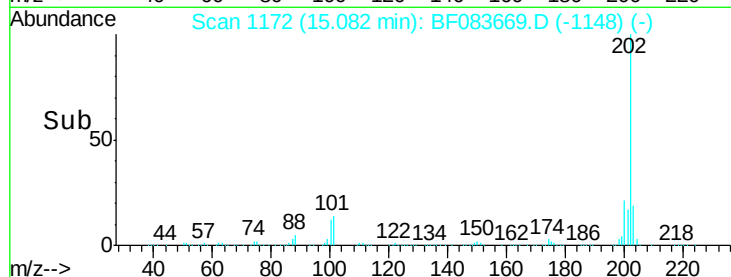
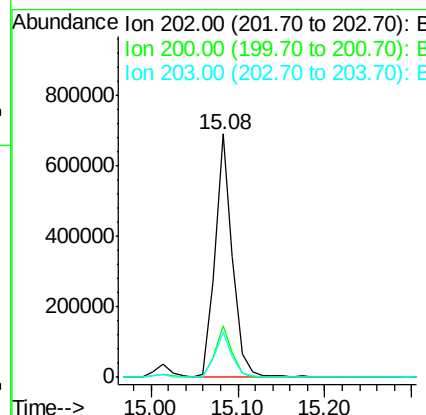
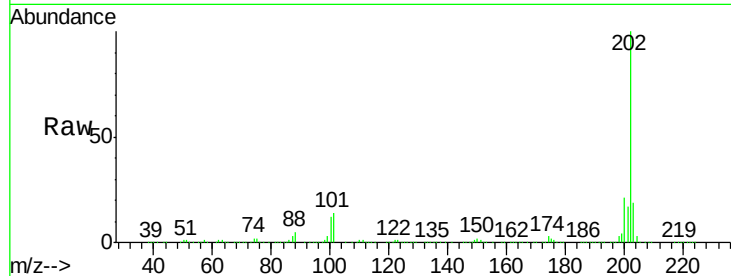
#77
Pvrene
Concen: 44.33 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	16.7	25.1	
203	18.7	14.3	21.5	

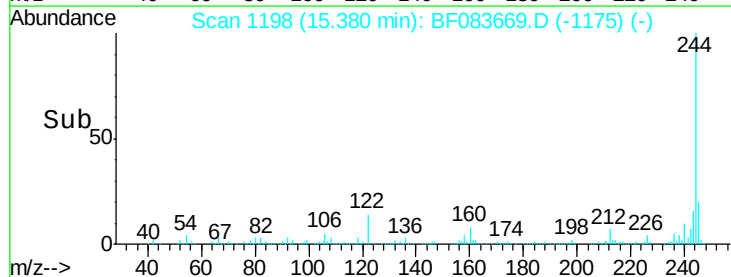
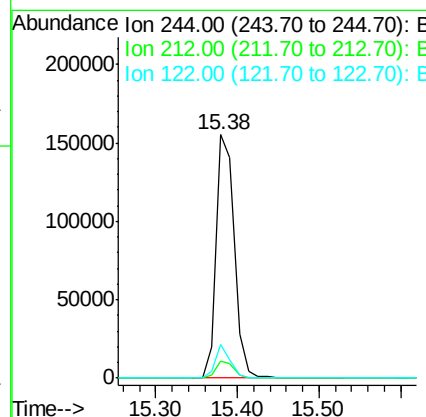
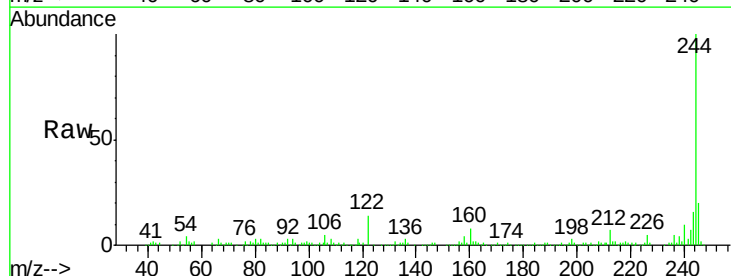
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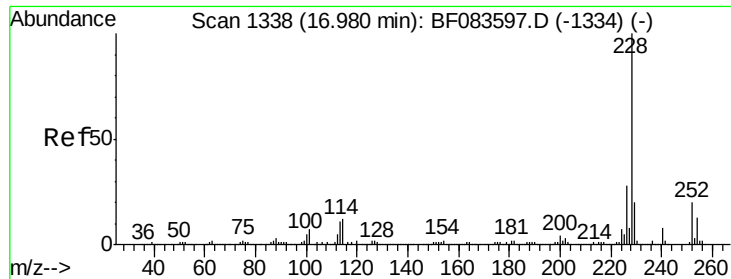
MMdadoda
12/10/2015 5:50:32 PM



#78
Terphenyl-d14
Concen: 18.81 ng
RT: 15.38 min Scan# 1198
Delta R.T. -0.03 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.1	9.1	
122	14.0	11.0	16.6	





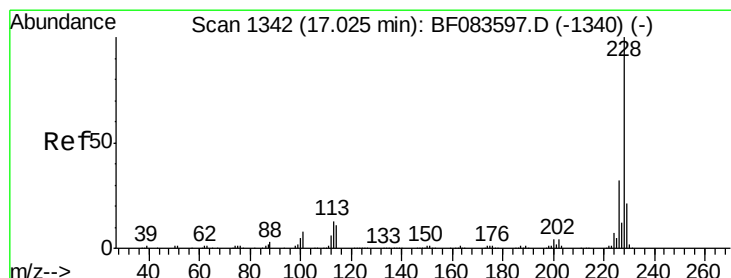
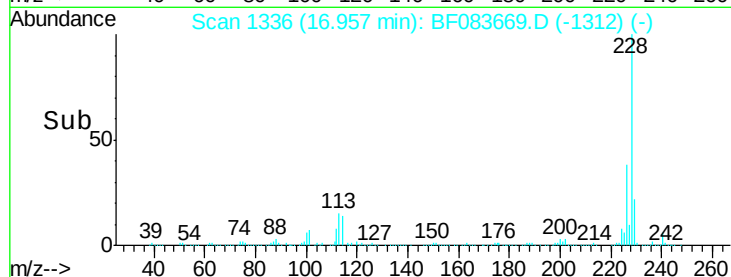
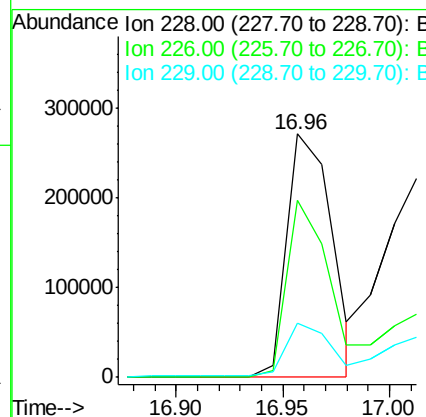
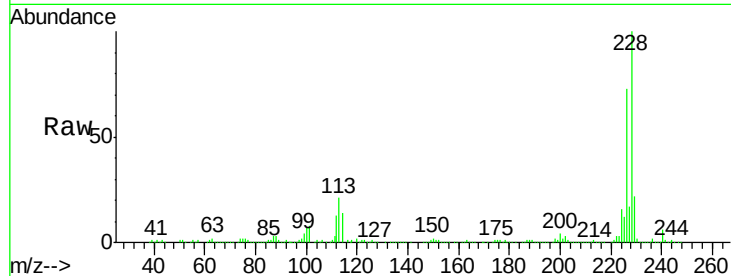
#80
Benzo(a)anthracene
Concen: 22.72 ng/mL
RT: 16.96 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	72.6	22.3	33.5#
229	22.4	15.7	23.5

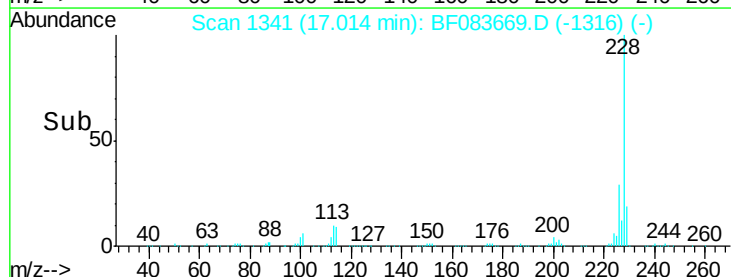
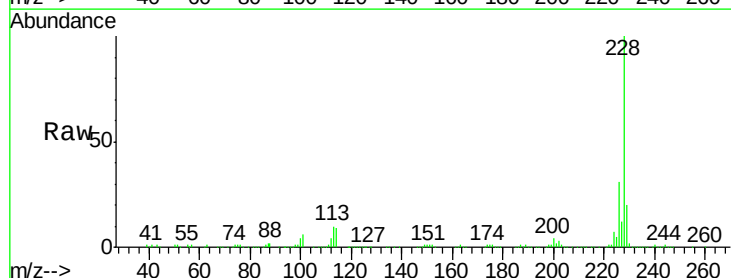
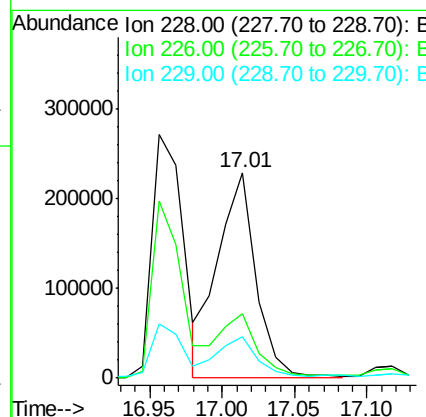
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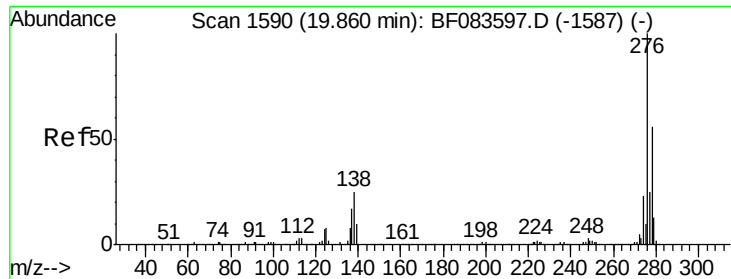
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#82
Chrysene
Concen: 23.38 ng/mL
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.7	37.1
229	20.0	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 25.79 ng

RT: 19.86 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Instrument :

BNA_F

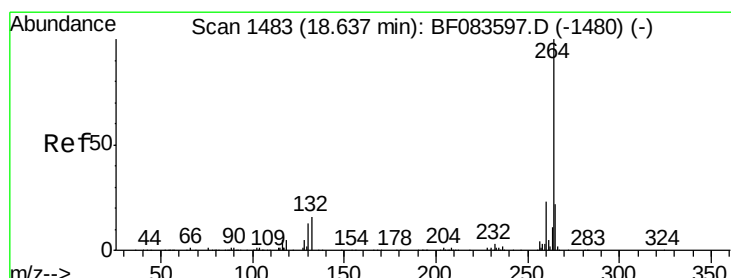
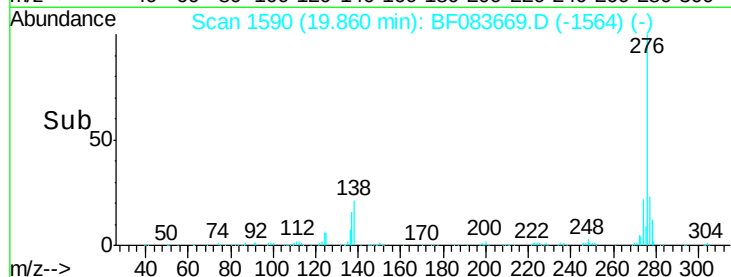
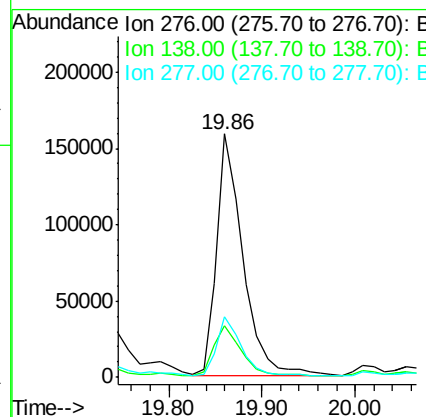
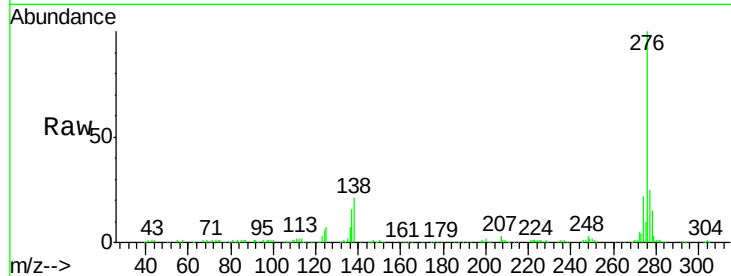
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	22.6	0.0	0.0	0.0
277	23.8	0.0	0.0	0.0

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#86

Perylene-d12

Concen: 20.00 ng

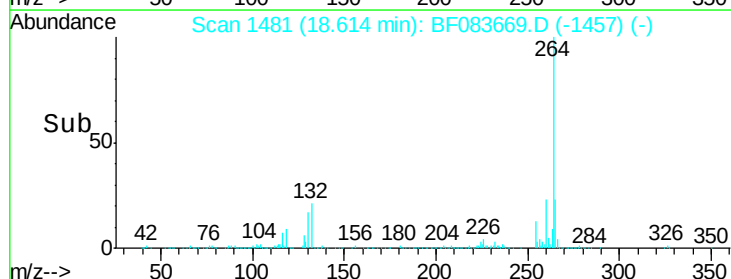
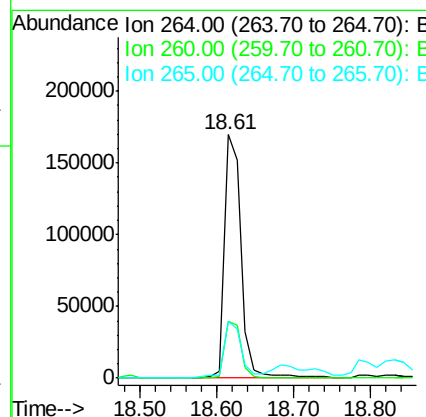
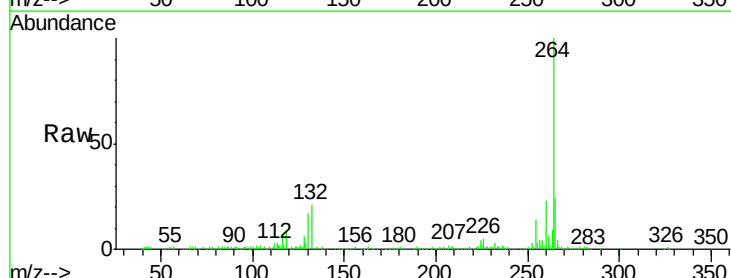
RT: 18.61 min Scan# 1481

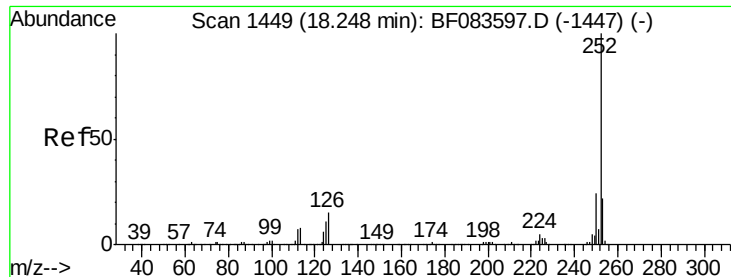
Delta R.T. -0.02 min

Lab File: BF083669.D

Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.4	19.4	29.0	
265	23.5	17.8	26.6	





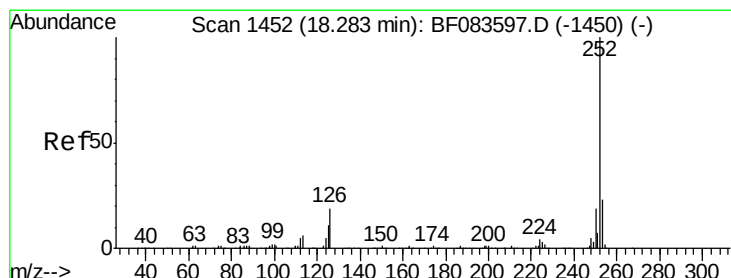
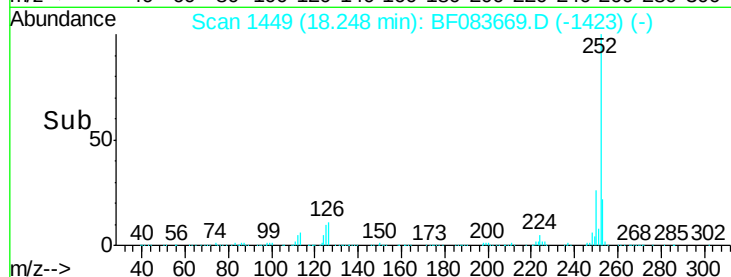
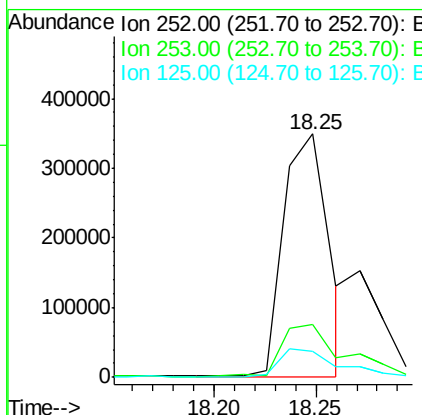
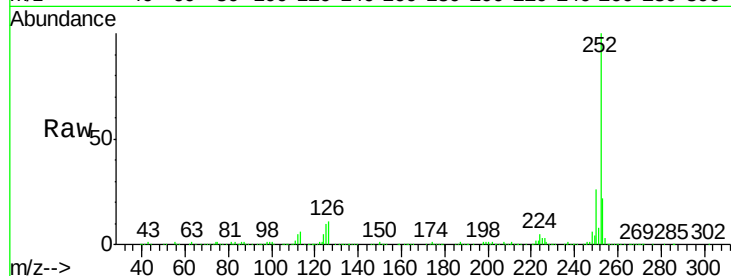
#87
Benzo(b)fluoranthene
Concen: 36.71 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	10.5	8.2	12.4

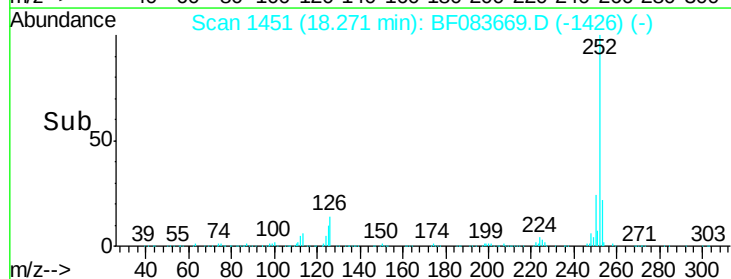
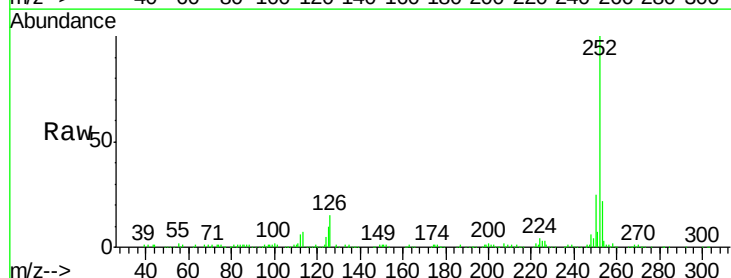
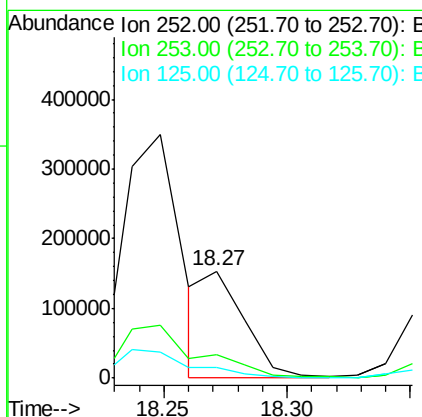
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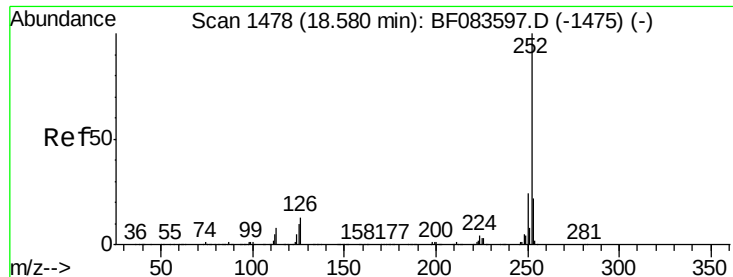
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12/10/2015 5:50:32 PM



#88
Benzo(k)fluoranthene
Concen: 10.89 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	10.3	11.5	17.3





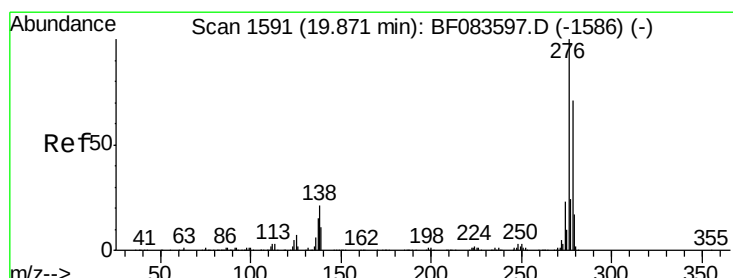
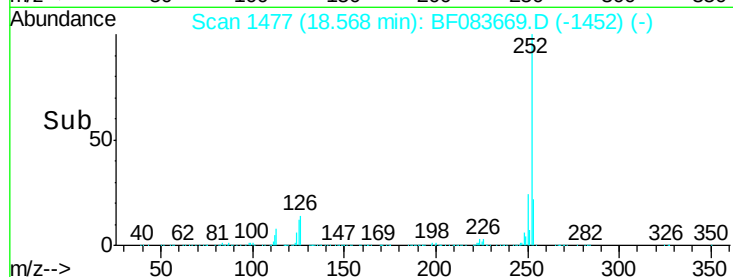
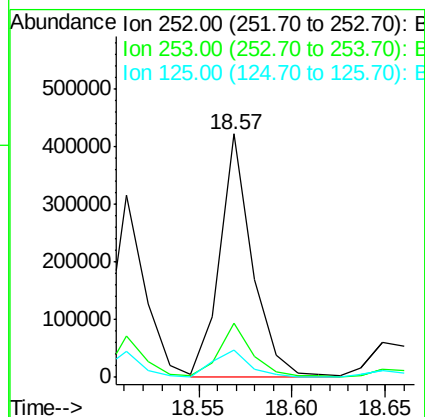
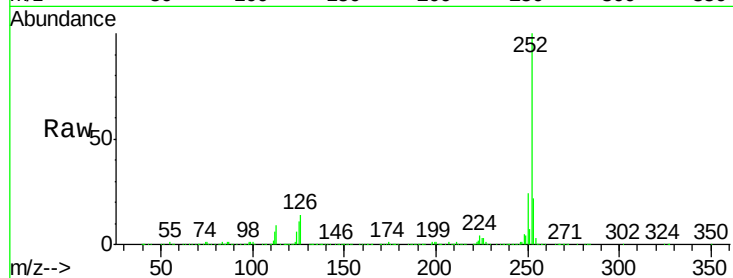
#89
Benzo(a)pyrene
Concen: 34.83 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.1	11.0	16.6

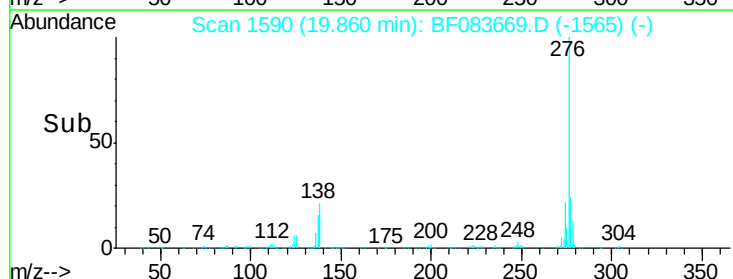
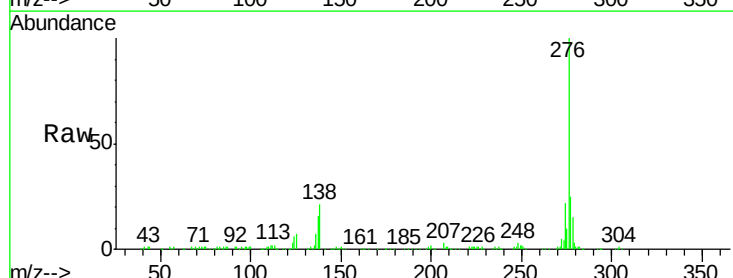
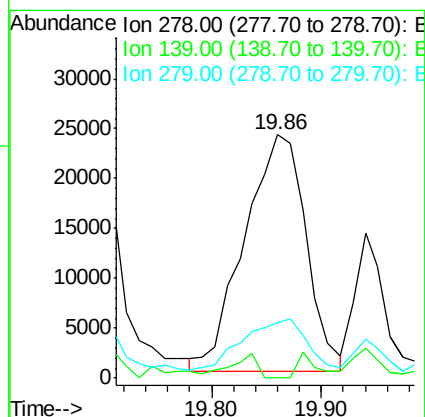
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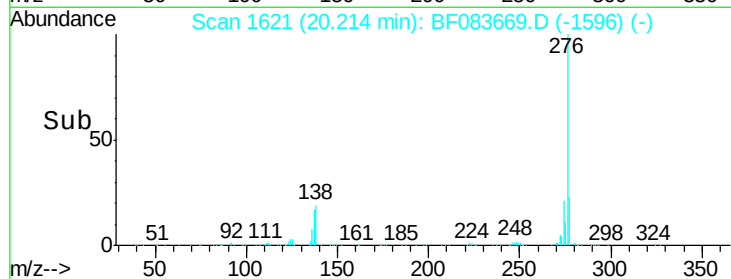
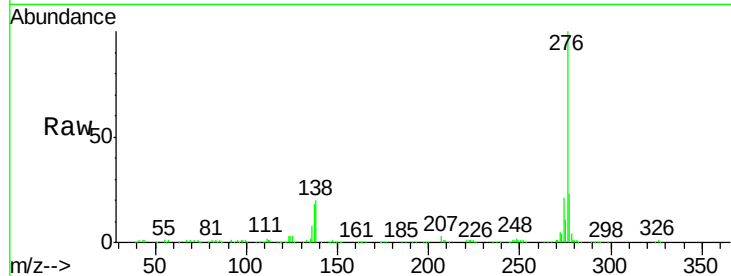
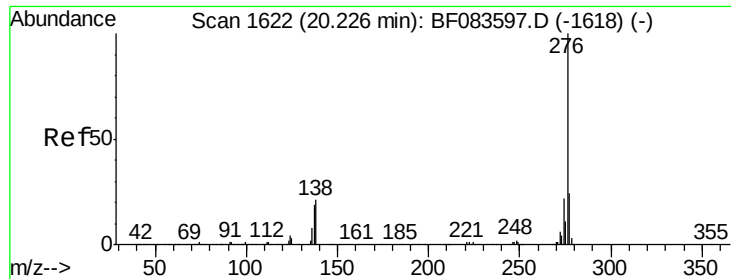
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#90
Dibenzo(a,h)anthracene
Concen: 8.31 ng m
RT: 19.86 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	22.6	18.6	28.0





#91
Benzo(a,h,i)perylene
Concen: 33.79 ng
RT: 20.21 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BF083669.D
Acq: 10 Dec 2015 6:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.2	19.2	28.8
138	19.9	19.5	29.3

Manual Integrations
APPROVED

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