

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
 Data File : BF085252.D
 Acq On : 5 Mar 2016 14:11
 Operator : SJ/IZ
 Sample : H1675-09DL 25X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Manual Integrations
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 3/7/2016 9:33:52 AM

Quant Time: Mar 07 02:31:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	108224	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	410896	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	167706	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	269472	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	205840	20.00	ng	-0.02
86) Perylene-d12	15.60	264	189768	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	27962	4.33	ng	-0.01
7) Phenol-d6	6.58	99	40458	4.79	ng	-0.02
23) Nitrobenzene-d5	7.52	82	21808	2.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	2874	2.00	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	51527	4.67	ng	-0.02
78) Terphenyl-d14	13.08	244	33015	3.72	ng	-0.01
Target Compounds						
70) Phenanthrene	11.52	178	51713	3.66	ng	Qvalue 97
74) Fluoranthene	12.71	202	95699	6.75	ng	94
77) Pyrene	12.94	202	88748	5.73	ng	97
80) Benzo(a)anthracene	14.12	228	50927	4.13	ng	99
82) Chrysene	14.15	228	36264m	3.19	ng	
85) Indeno(1,2,3-cd)pyrene	17.07	276	20765	2.34	ng	# 91
87) Benzo(b)fluoranthene	15.17	252	60048m	4.75	ng	
89) Benzo(a)pyrene	15.53	252	32098	3.06	ng	# 91
91) Benzo(g,h,i)perylene	17.51	276	18204	2.02	ng	98

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

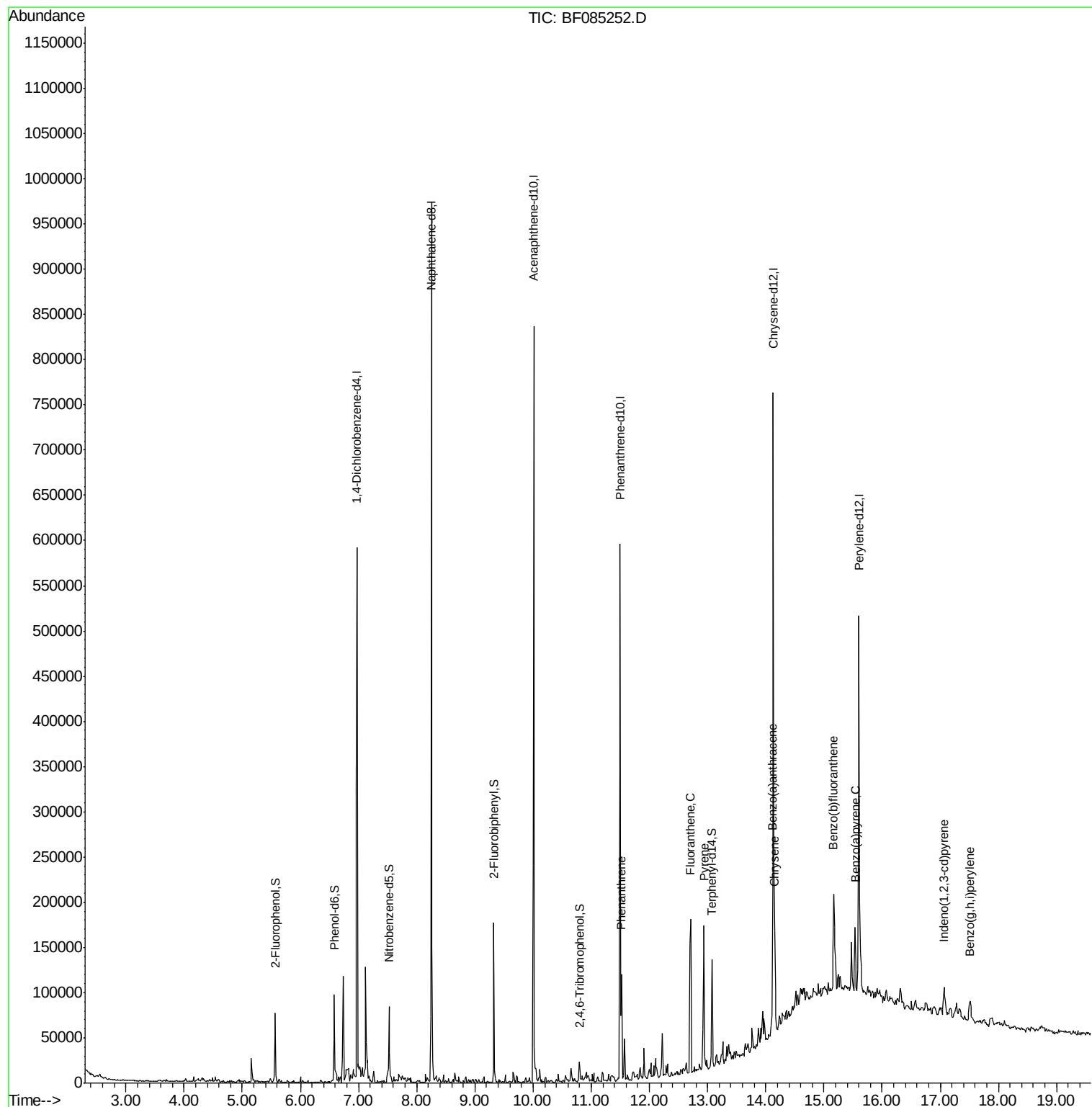
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
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Misc :
ALS Vial : 49 Sample Multiplier: 1

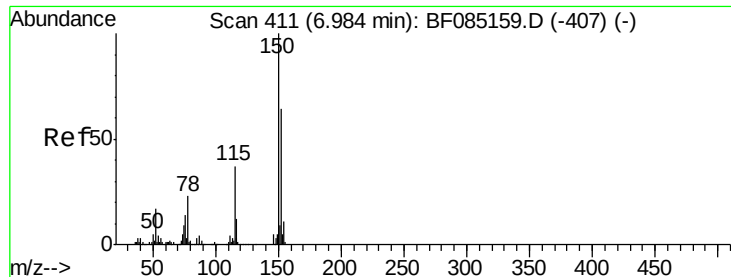
Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Manual Integrations
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#1

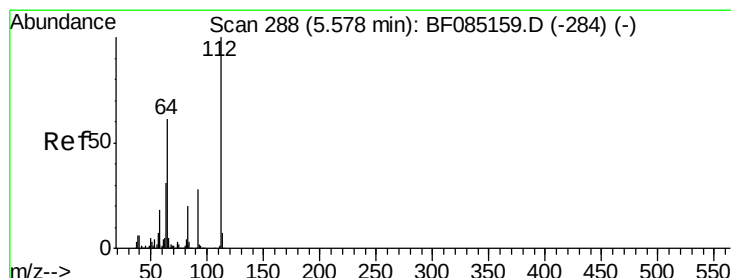
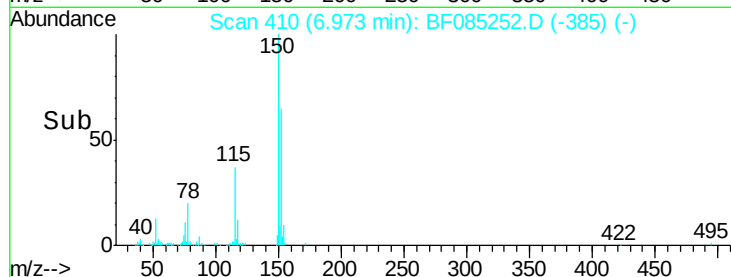
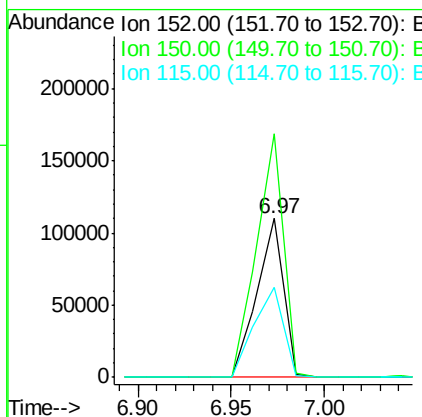
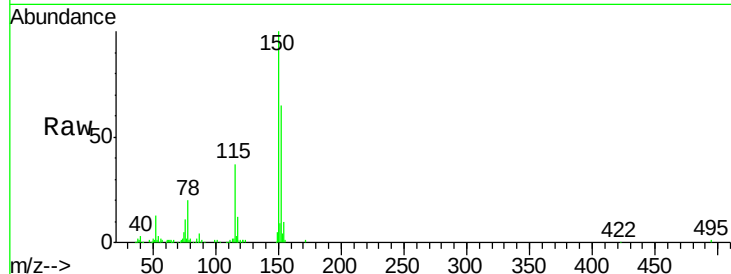
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	56.8	46.6	70.0

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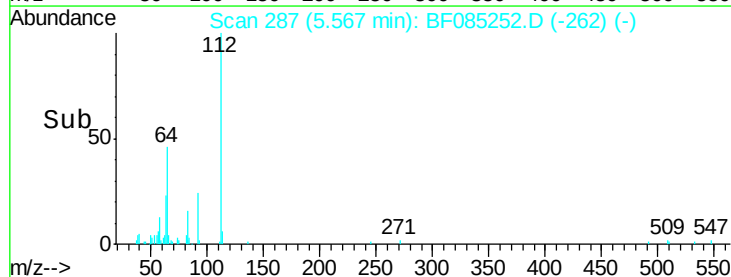
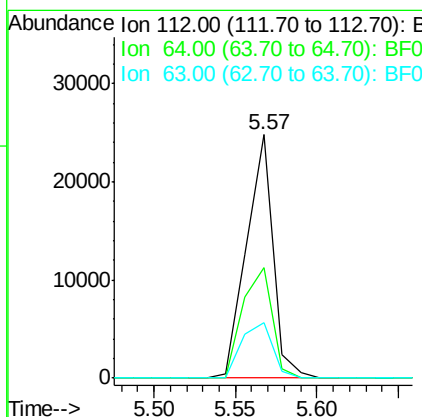
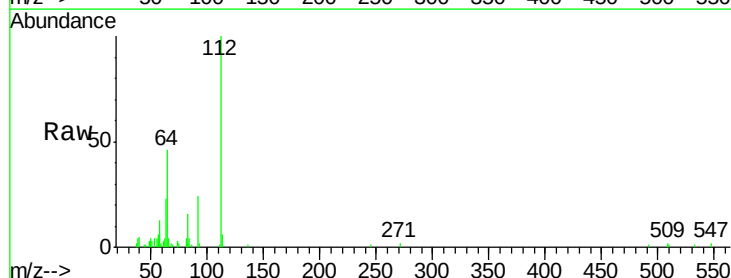
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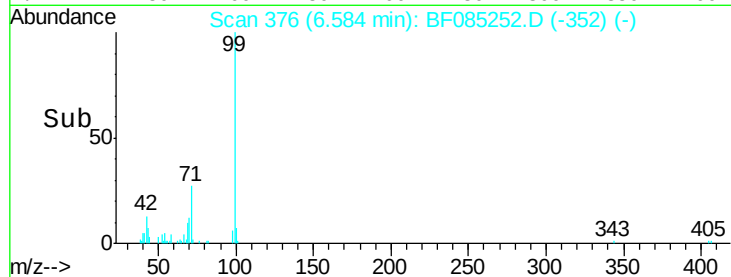
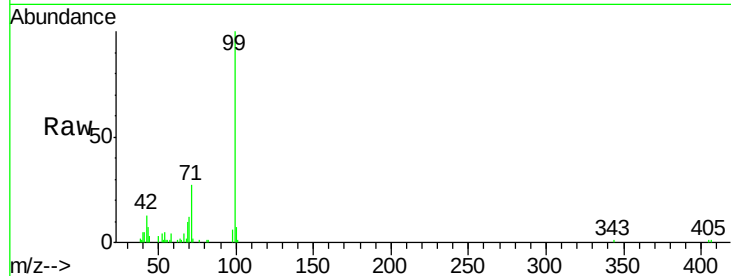
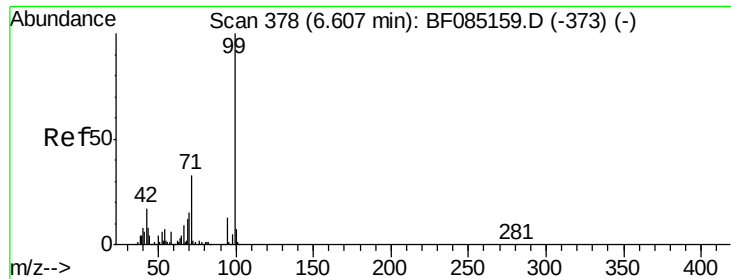


#5

2-Fluorophenol
Concen: 4.33 ng
RT: 5.57 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.6	49.0	73.4#
63	23.0	24.8	37.2#





#7

Phenol-d6

Concen: 4.79 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Tot Ion:	99	Resp:	40458
Ion Ratio	Lower	Upper	
99	100		
42	12.6	13.6	20.4#
71	27.0	26.7	40.1

Instrument :

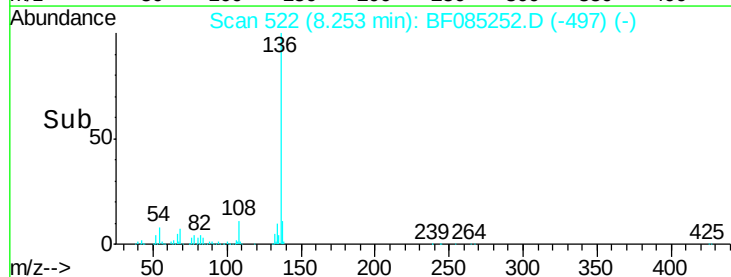
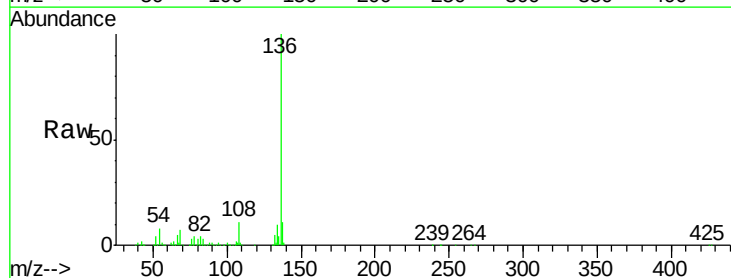
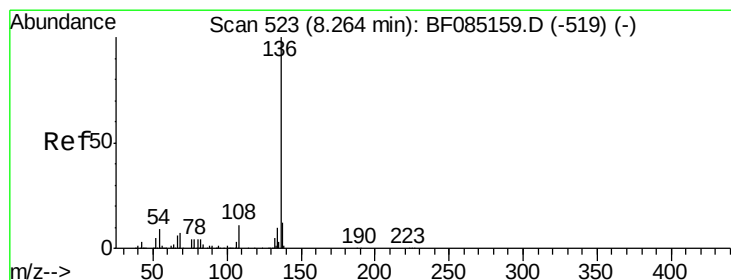
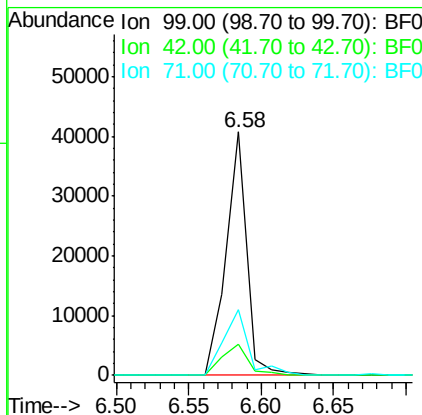
BNA_F

ClientSampleId :

SP-005(0-2)DL

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#21

Naphthalene-d8

Concen: 20.00 ng

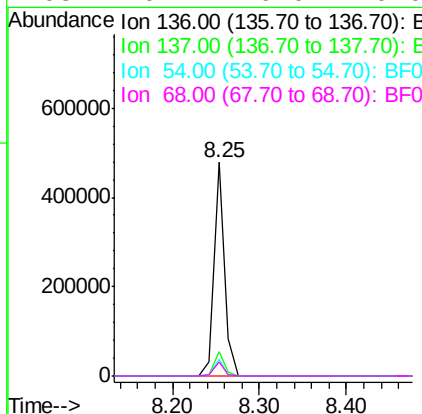
RT: 8.25 min Scan# 522

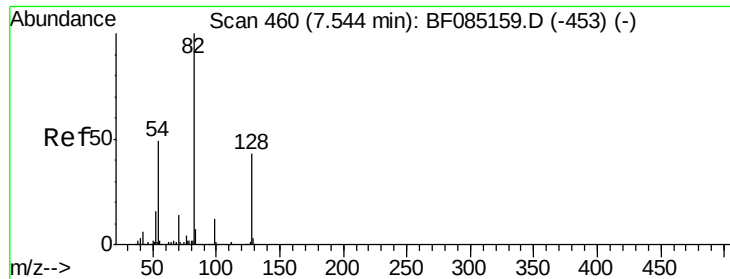
Delta R.T. -0.01 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Tgt Ion:	136	Resp:	410896
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	7.7	7.4	11.2
68	6.7	6.0	9.0





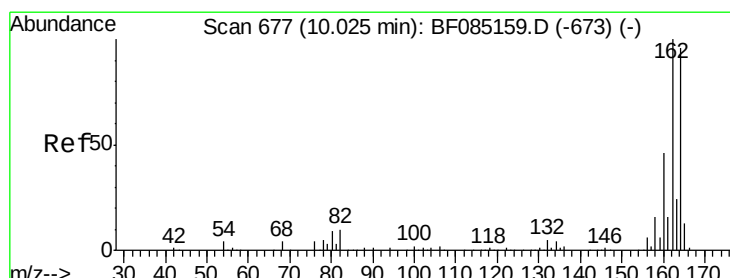
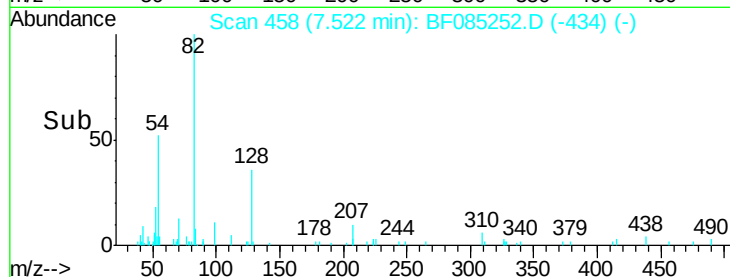
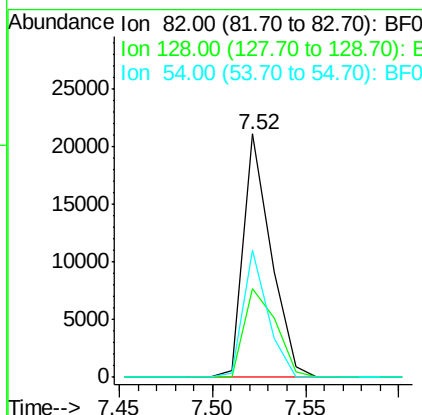
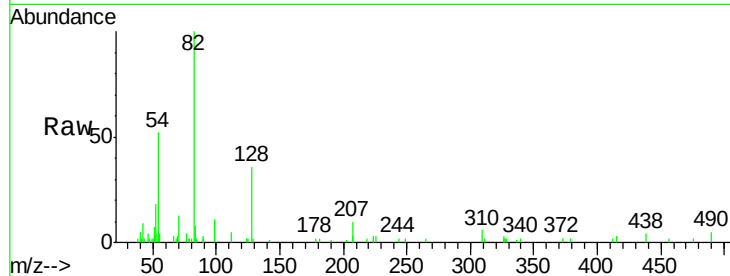
#23
 Nitrobenzene-d5
 Concen: 2.84 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Tot Ion	82	Resp	21808
Ion	Ratio	Lower	Upper
82	100		
128	36.4	34.5	51.7
54	52.1	39.3	58.9

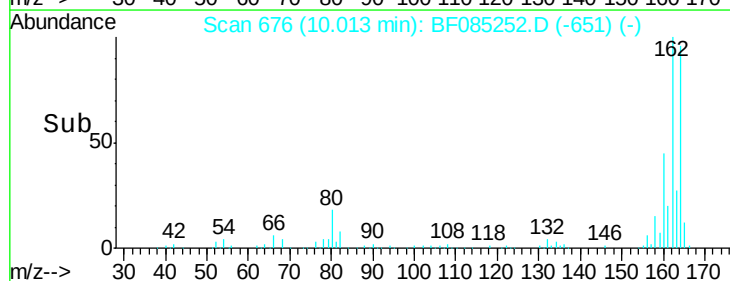
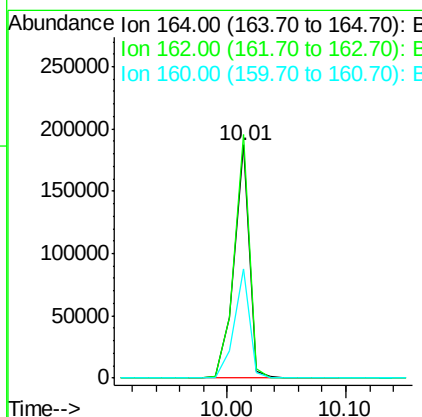
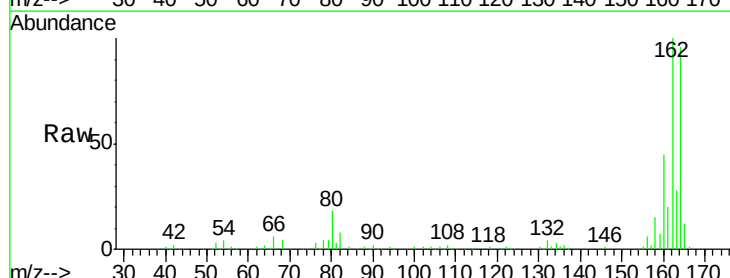
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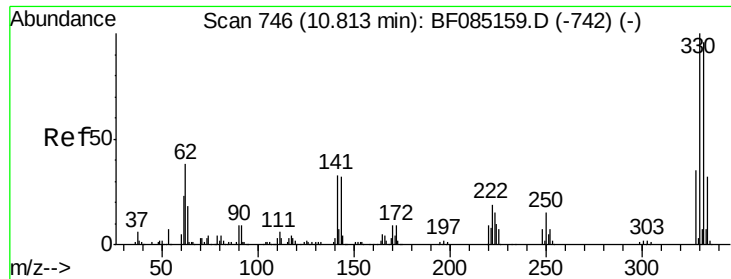
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt Ion	164	Resp	167706
Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.3	124.9
160	47.0	37.9	56.9





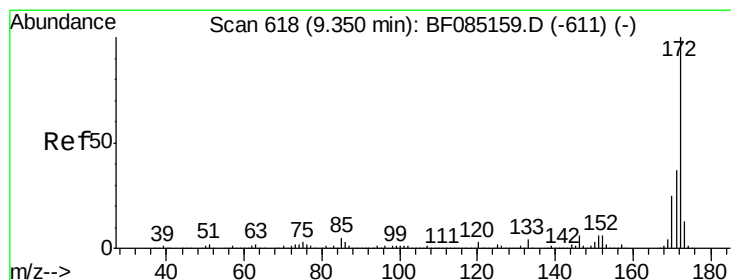
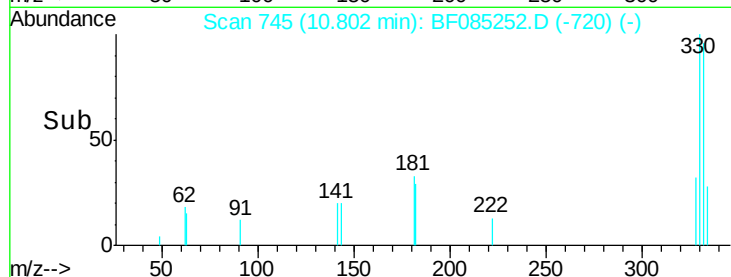
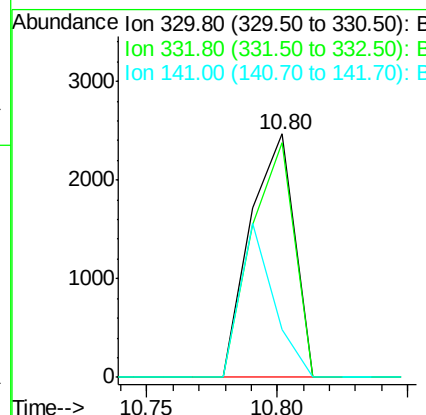
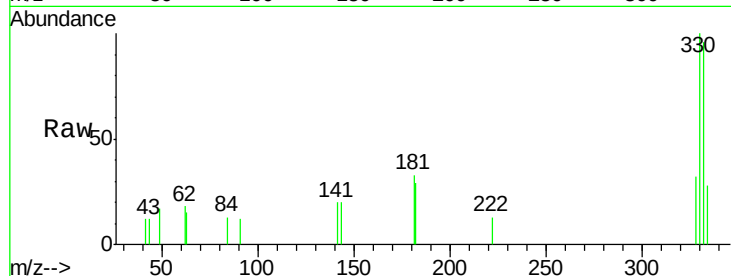
#41
 2,4,6-Tribromophenol
 Concen: 2.00 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.1	115.7
141	49.0	35.0	52.6

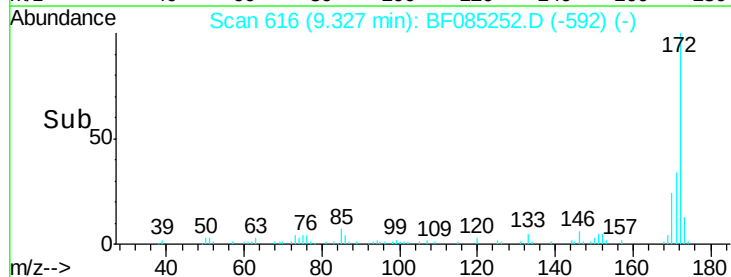
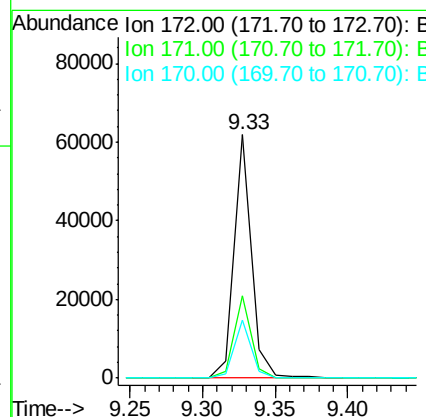
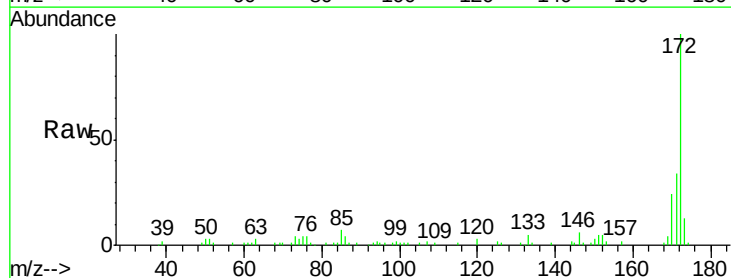
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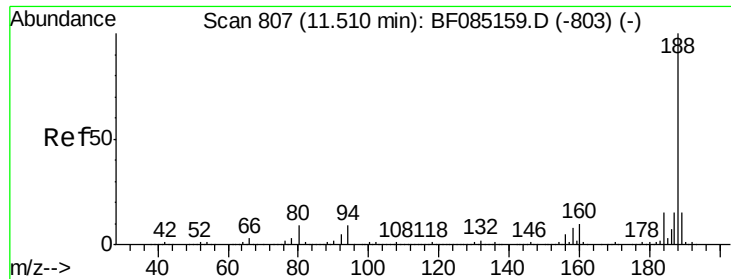
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#44
 2-Fluorobiphenyl
 Concen: 4.67 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.3	43.9
170	24.0	20.0	30.0





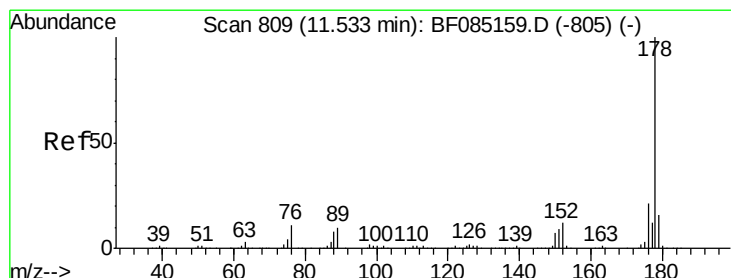
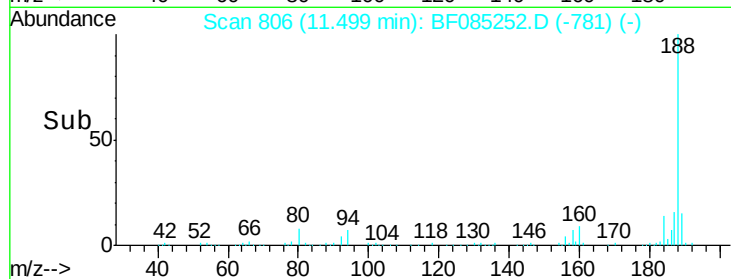
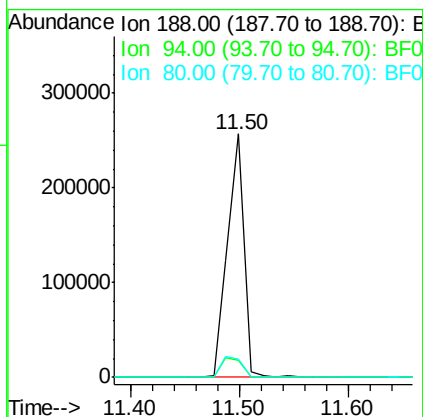
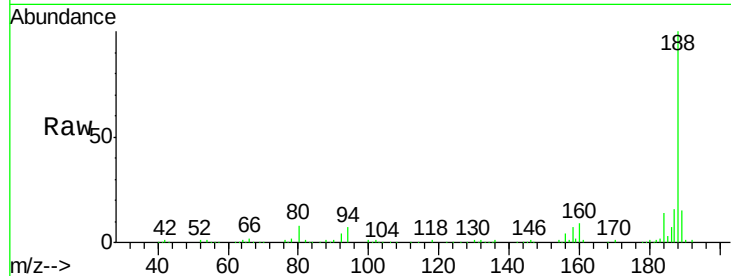
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	269472		
94	7.1		7.0	10.6
80	7.5		7.4	11.0

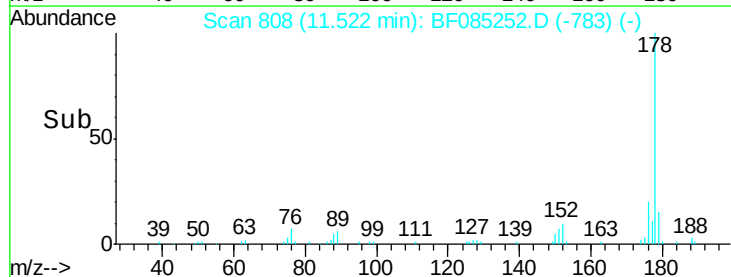
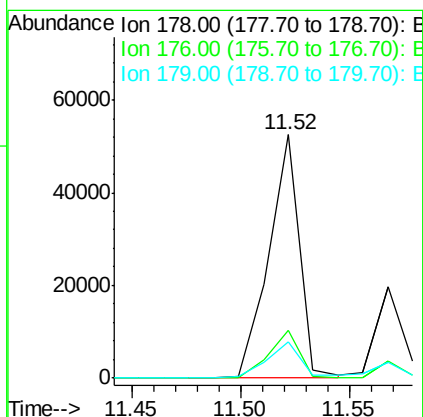
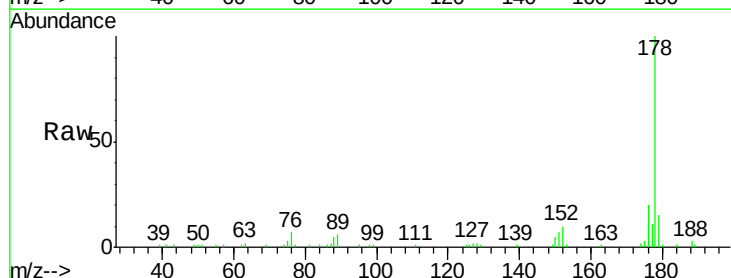
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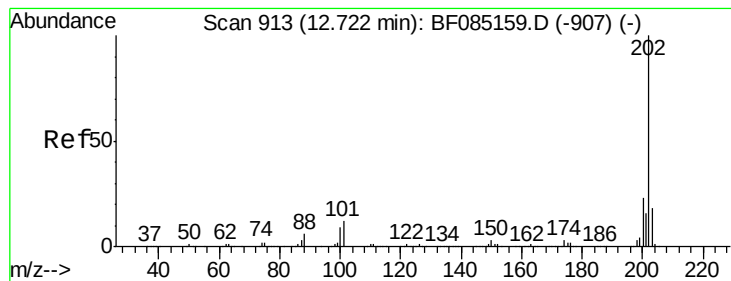
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#70
Phenanthrene
Concen: 3.66 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	51713		
176	19.6		16.8	25.2
179	14.7		13.1	19.7





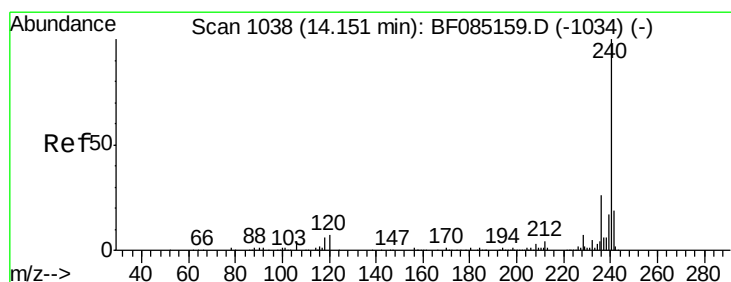
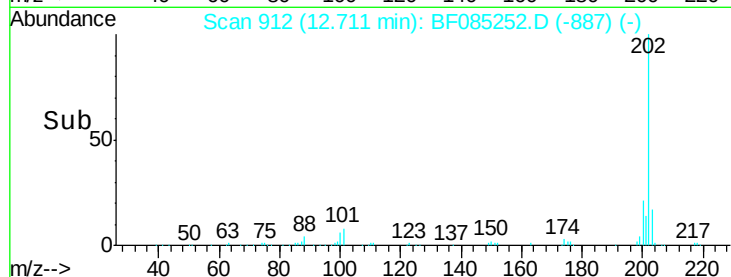
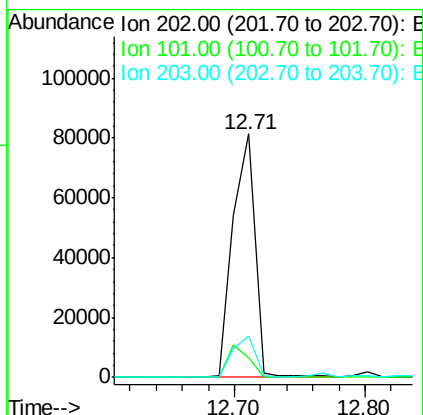
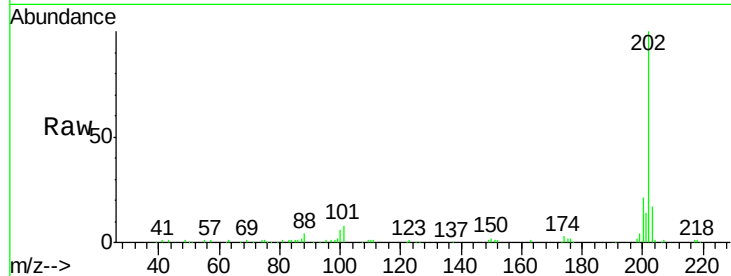
#74
Fluoranthene
Concen: 6.75 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	0.0	31.8
203	17.1	0.0	38.4

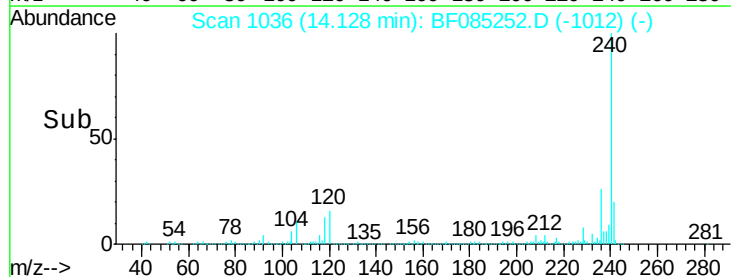
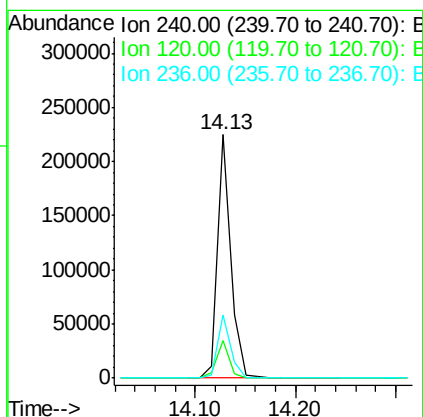
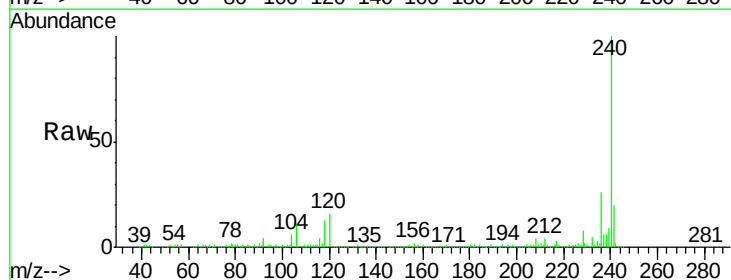
Manual Integrations
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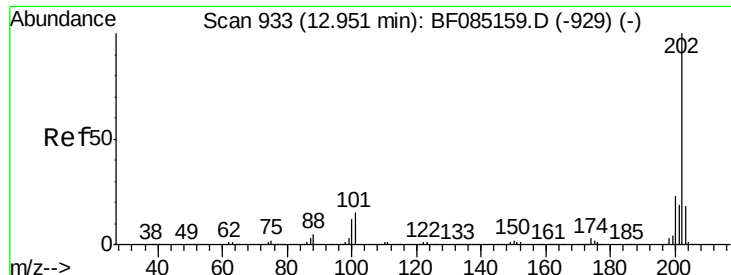
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.5	5.3	7.9#
236	25.9	20.7	31.1





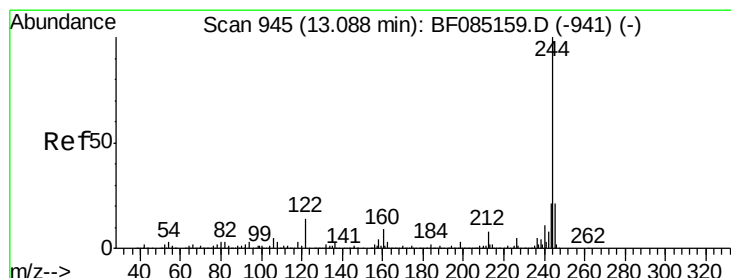
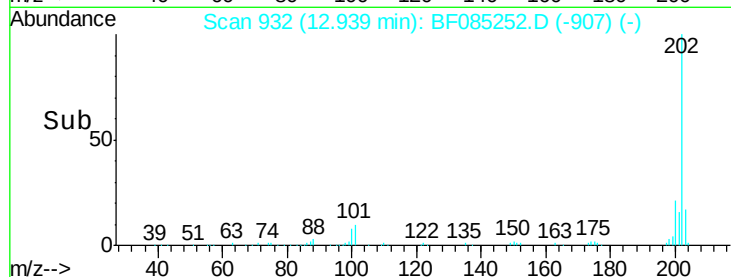
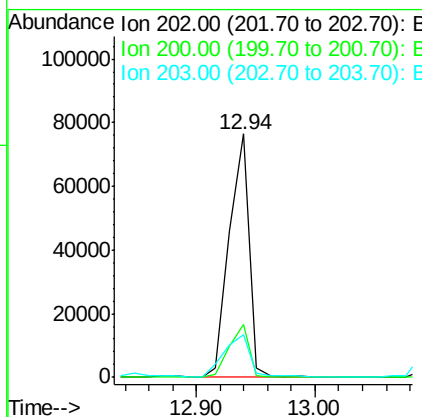
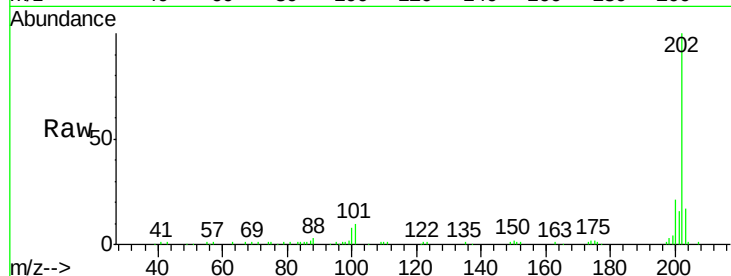
#77
Pvrene
Concen: 5.73 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.2	27.4
203	17.4	14.7	22.1

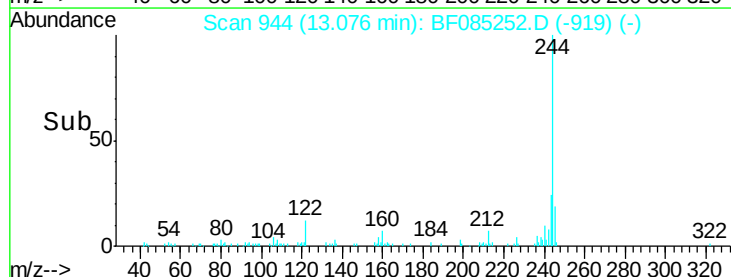
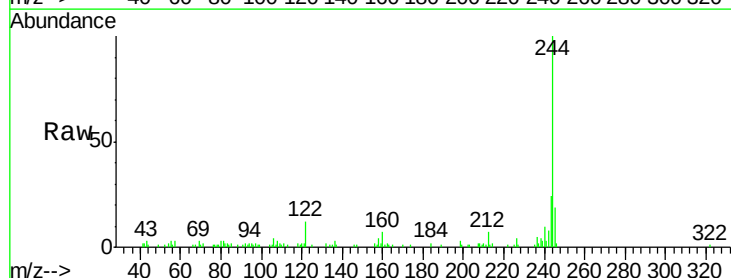
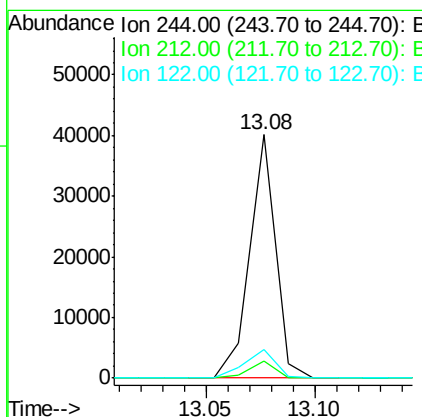
Manual Integrations
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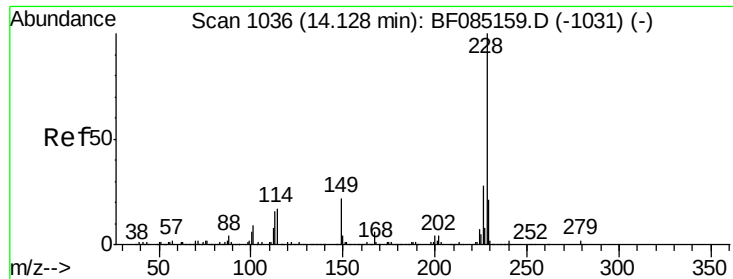
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#78
Terphenyl-d14
Concen: 3.72 ng
RT: 13.08 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	11.5	11.4	17.2





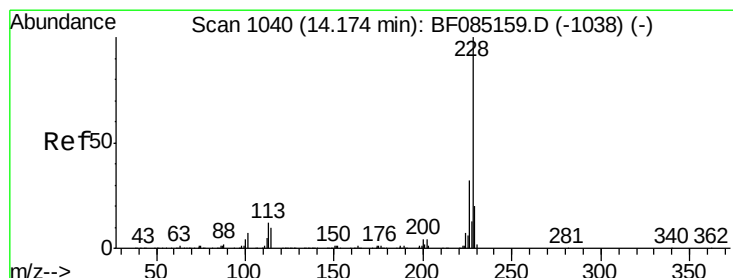
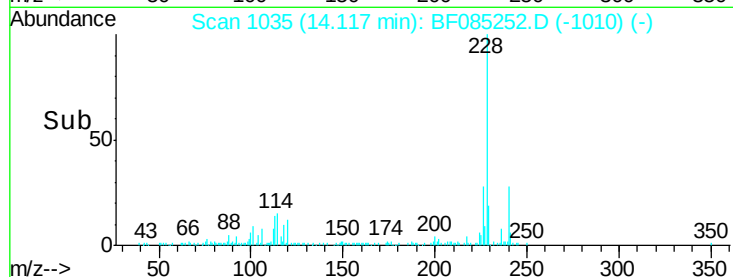
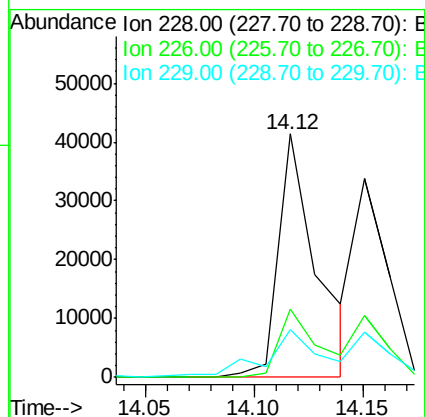
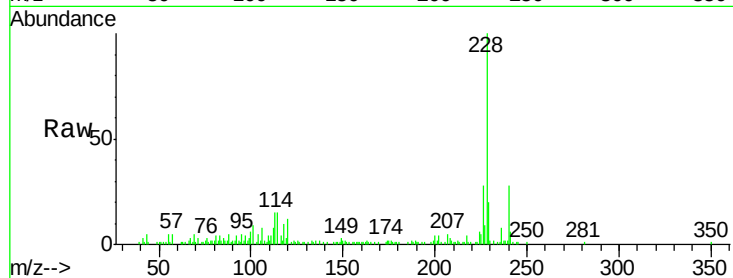
#80
Benzo(a)anthracene
Concen: 4.13 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.8	34.2
229	19.7	16.6	24.8

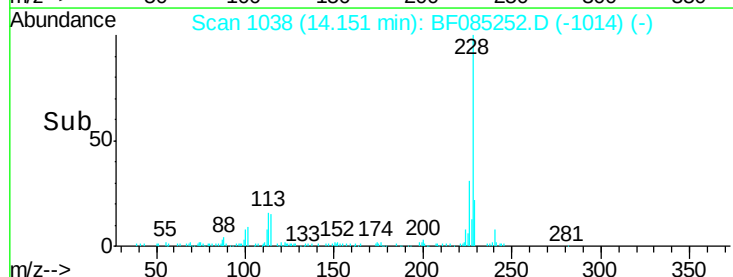
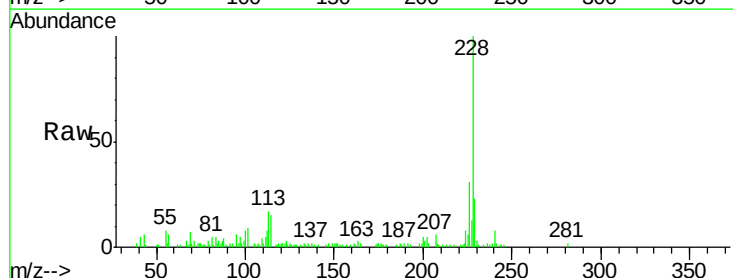
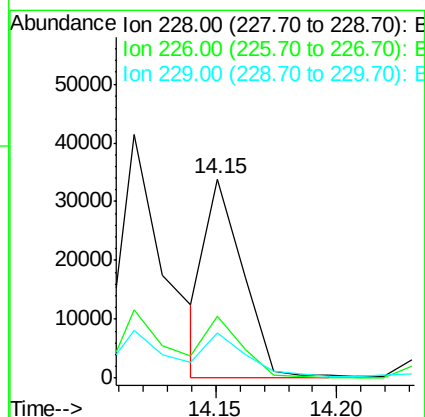
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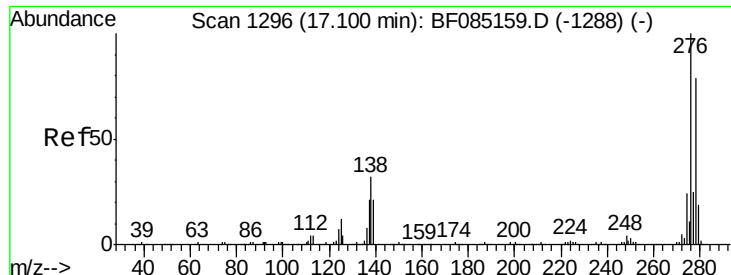
UMANGI
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#82
Chrysene
Concen: 3.19 ng m
RT: 14.15 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.2	37.8
229	22.6	16.0	24.0





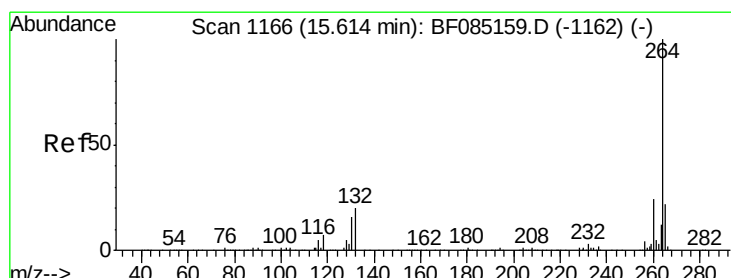
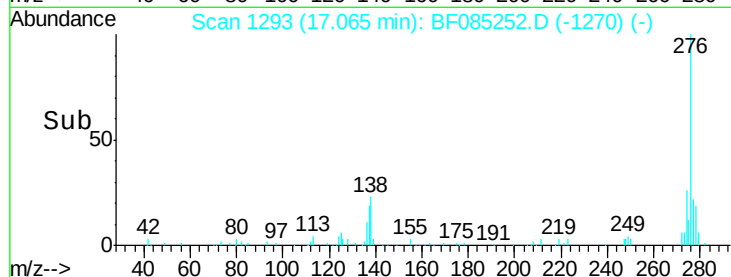
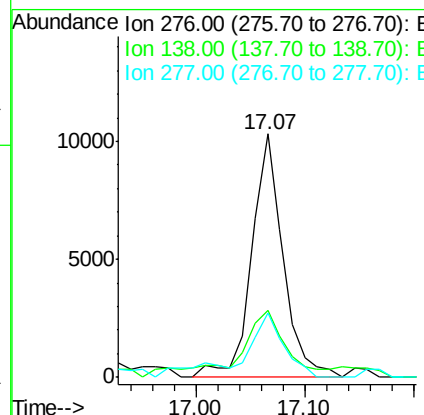
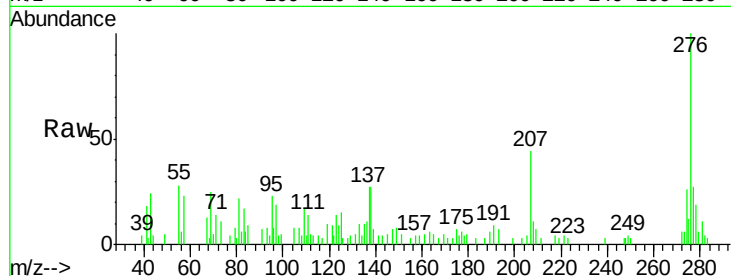
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.34 ng
RT: 17.07 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	41.0	26.4	39.6
277	26.2	20.2	30.2

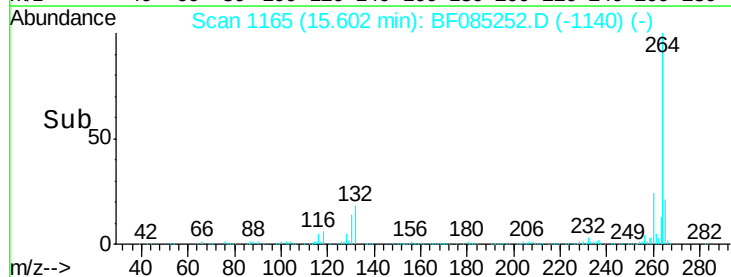
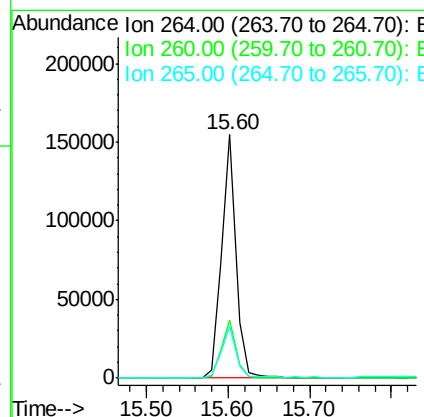
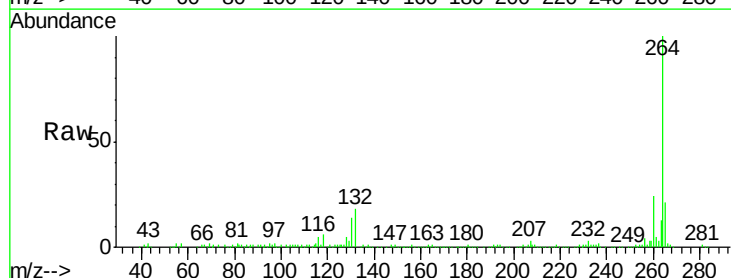
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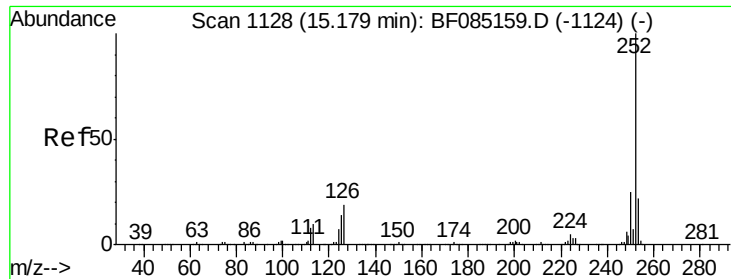
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.75 ng

RT: 15.17 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Instrument :

BNA_F

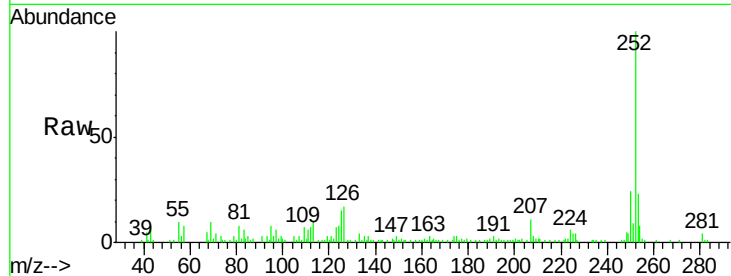
ClientSampleId :

SP-005(0-2)DL

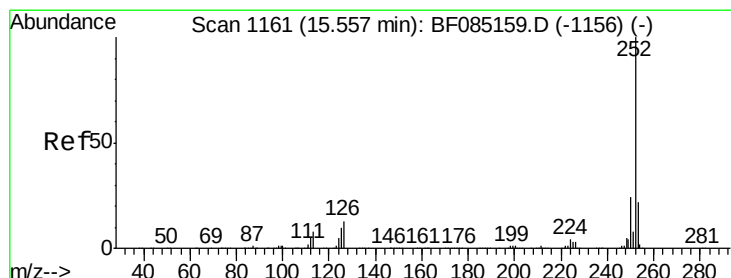
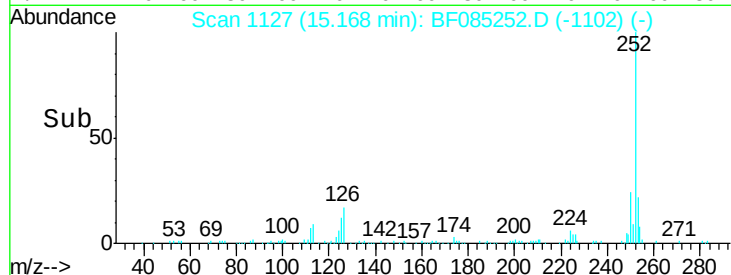
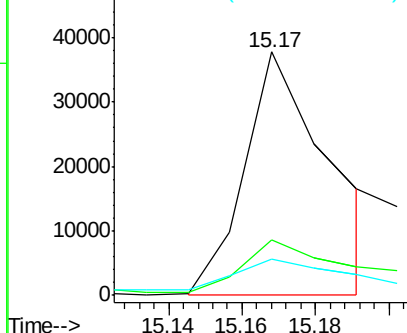
Tot Ion:	252	Resp:	60048
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	14.8	11.3	16.9

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.06 ng

RT: 15.53 min Scan# 1159

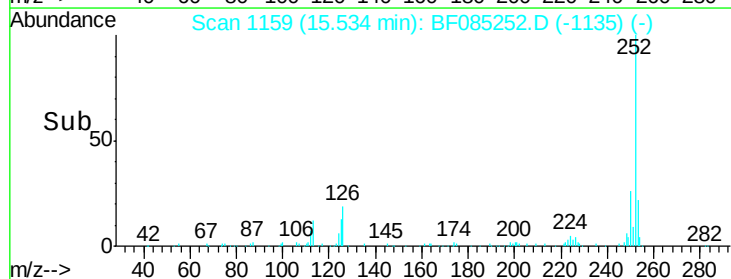
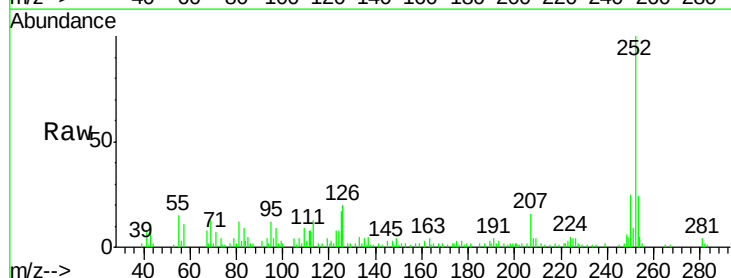
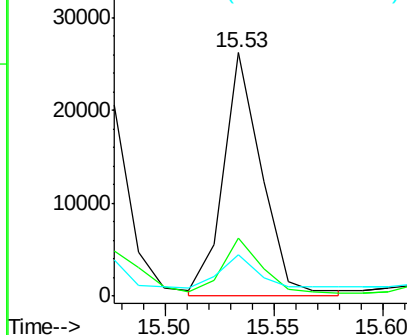
Delta R.T. -0.02 min

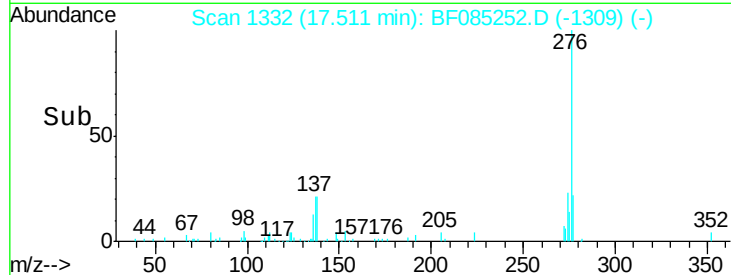
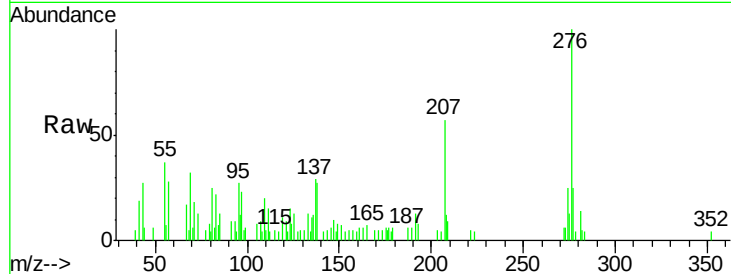
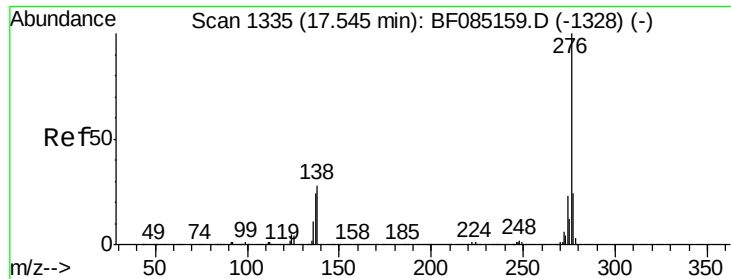
Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Tgt Ion:	252	Resp:	32098
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.0
125	17.0	8.2	12.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.02 ng
 RT: 17.51 min Scan# 1332
 Delta R.T. -0.03 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Tot Ion:	276	Resp:	18204
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.0	28.4
138	27.2	22.5	33.7

Manual Integrations
 APPROVED

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