

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
 Data File : BF079545.D
 Acq On : 28 May 2015 15:37
 Operator : TP/IZ
 Sample : G2386-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-SS

Manual Integrations
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Quant Time: May 29 08:52:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 18:41:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	69583	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	292930	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	135907	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	254414	20.00	ng	0.00
75) Chrysene-d12	15.82	240	253698	20.00	ng	-0.02
86) Perylene-d12	17.57	264	279060	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	453689	113.09	ng	0.00
7) Phenol-d6	6.56	99	591121	115.60	ng	0.00
23) Nitrobenzene-d5	7.66	82	326932	64.52	ng	-0.01
41) 2,4,6-Tribromophenol	11.68	330	162339	108.75	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	654269	68.68	ng	0.00
78) Terphenyl-d14	14.53	244	681444	63.04	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.56	128	51481	3.66	ng	99
37) 2-Methylnaphthalene	9.43	142	25099	2.57	ng	99
48) Acenaphthylene	10.52	152	89393	6.42	ng	99
49) Dimethylphthalate	10.40	163	31465	3.14	ng	99
70) Phenanthrene	12.56	178	53155	3.81	ng	99
71) Anthracene	12.63	178	91556	6.46	ng	99
74) Fluoranthene	14.03	202	149666	10.00	ng	97
77) Pyrene	14.31	202	183363	11.67	ng	96
80) Benzo(a)anthracene	15.81	228	135681m	9.30	ng	
82) Chrysene	15.85	228	163099	11.76	ng	96
85) Indeno(1,2,3-cd)pyrene	18.87	276	164458	9.22	ng	95
87) Benzo(b)fluoranthene	17.12	252	332211m	20.87	ng	
88) Benzo(k)fluoranthene	17.13	252	129187m	9.08	ng	
89) Benzo(a)pyrene	17.50	252	192620	12.41	ng	# 96
91) Benzo(a,h,i)perylene	19.25	276	162997	9.34	ng	98

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

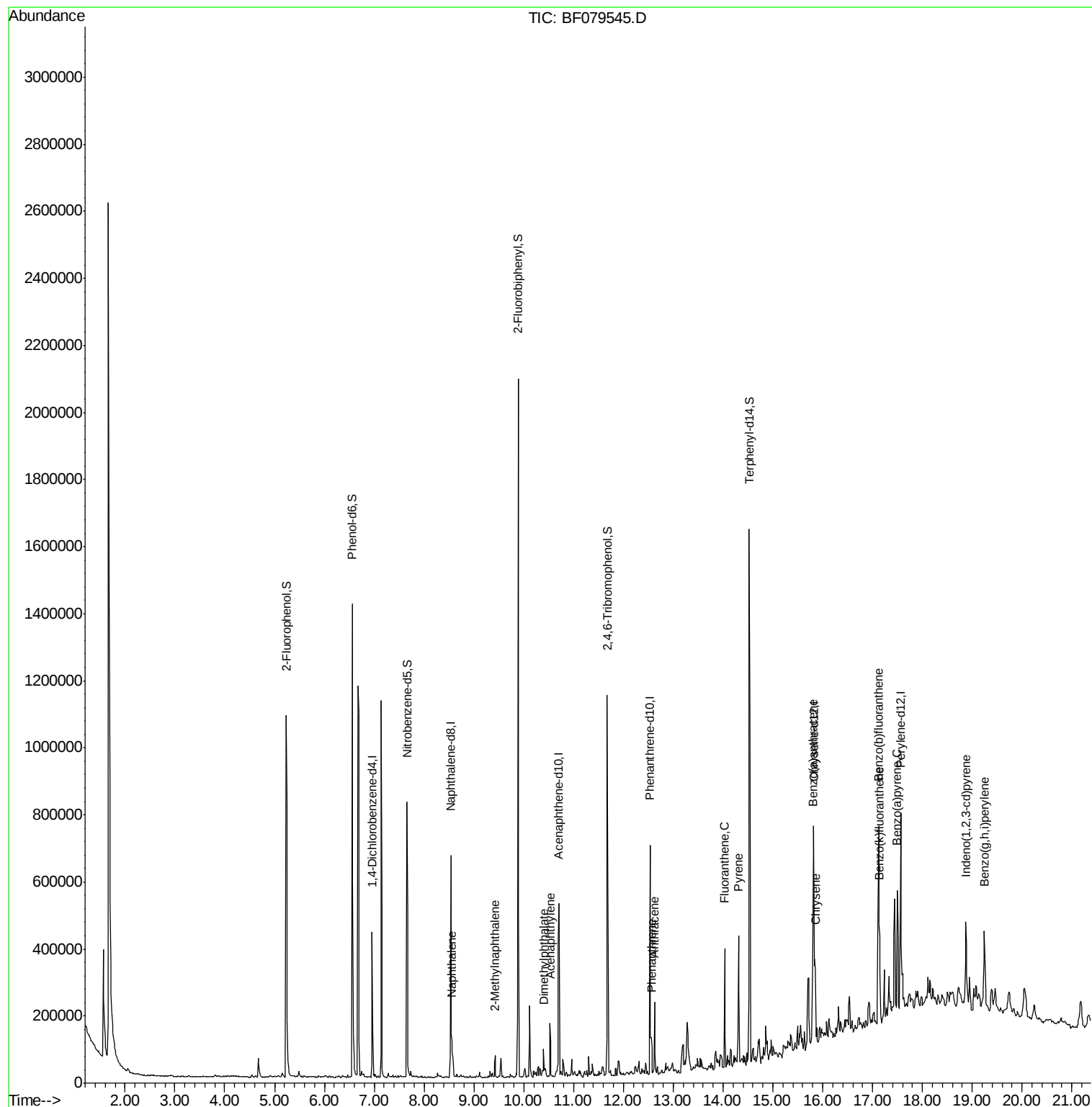
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
Data File : BF079545.D
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#1

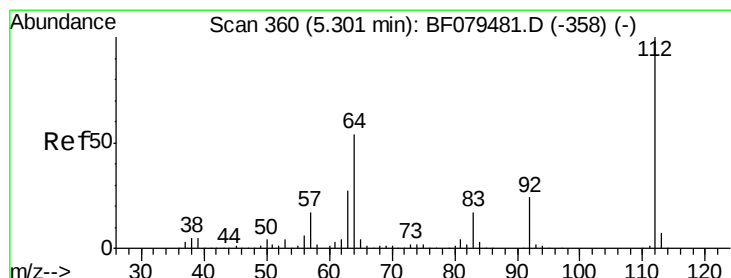
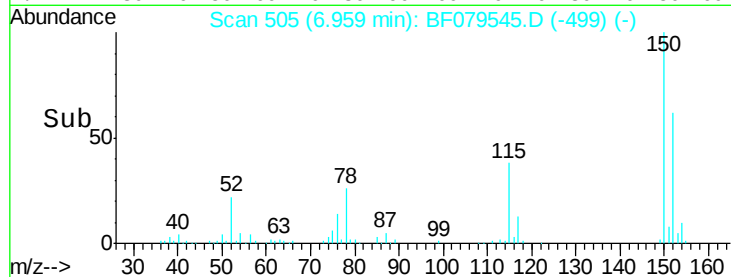
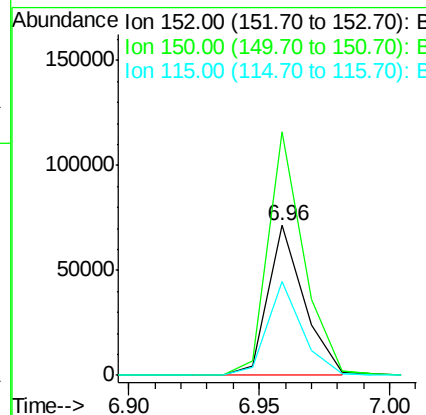
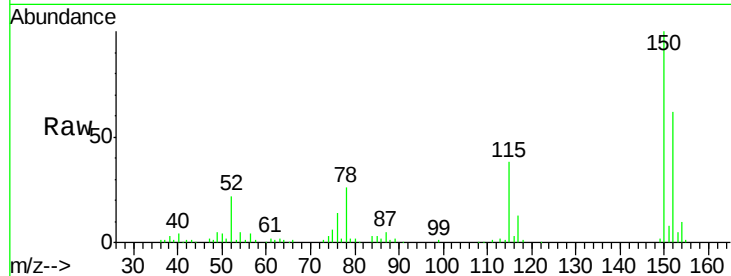
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Instrument :
BNA_F
ClientSampleId :
TP-1-SS

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.0	186.0
115	62.3	49.6	74.4

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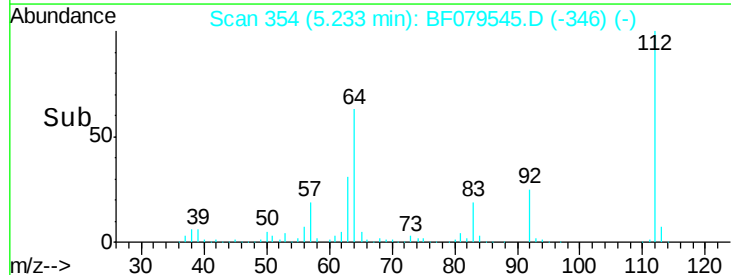
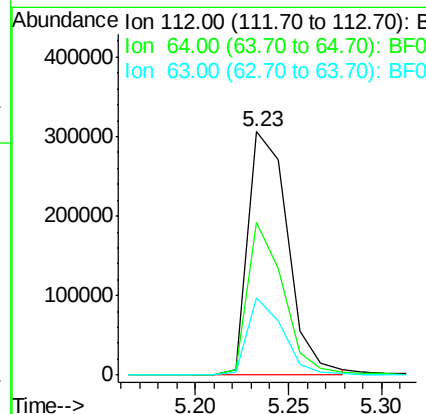
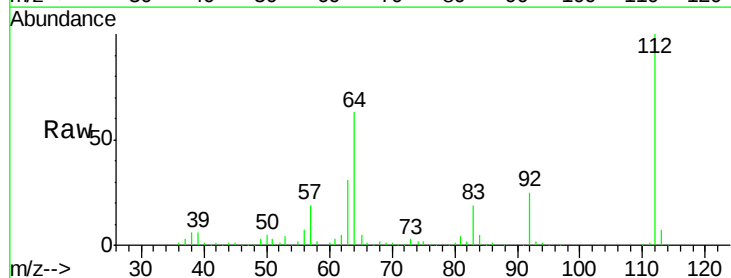
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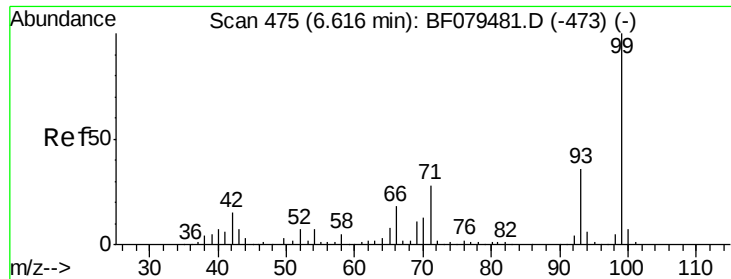


#5

2-Fluorophenol
Concen: 113.09 ng
RT: 5.23 min Scan# 354
Delta R.T. 0.00 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	43.5	65.3
63	31.5	21.8	32.8





#7

Phenol-d6

Concen: 115.60 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

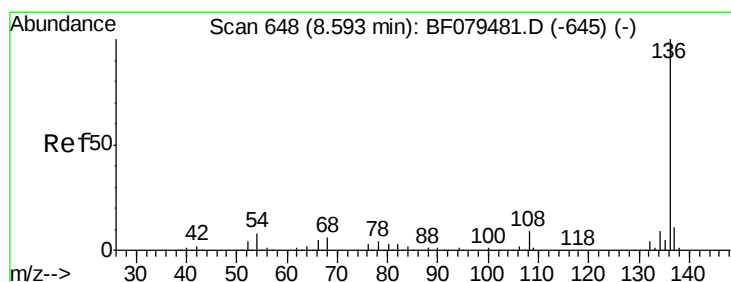
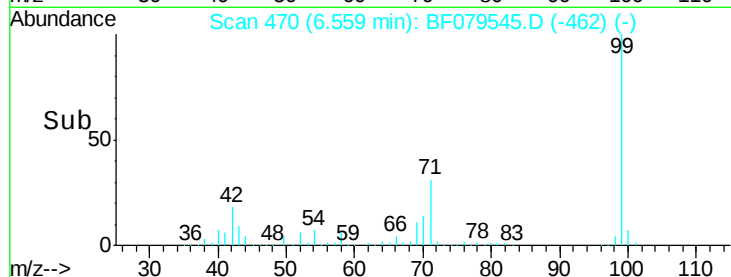
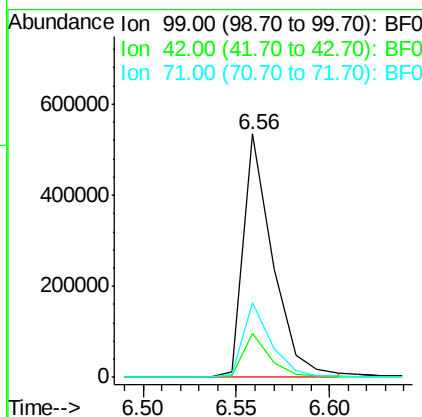
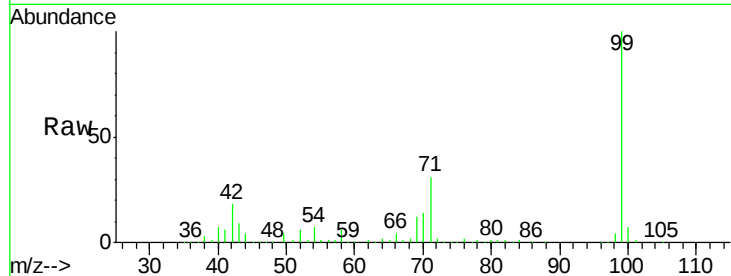
ClientSampleId :

TP-1-SS

Tot Ion:	99	Resp:	591121
Ion Ratio	Lower	Upper	
99	100		
42	17.9	11.9	17.9
71	30.8	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

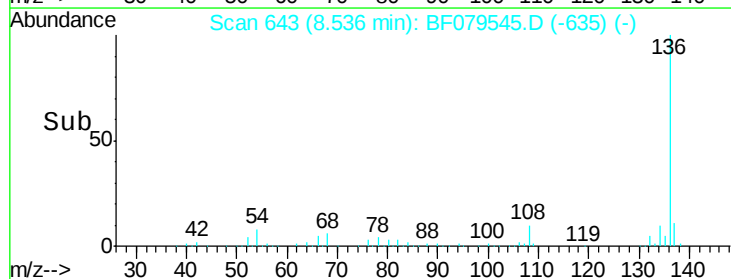
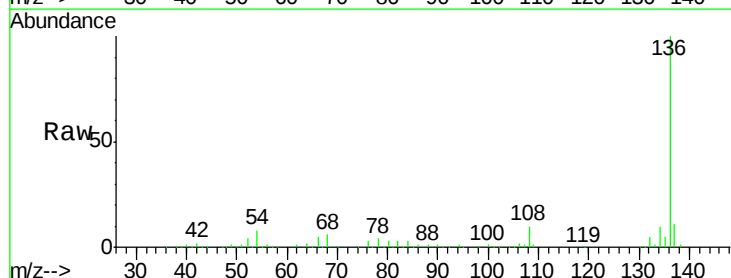
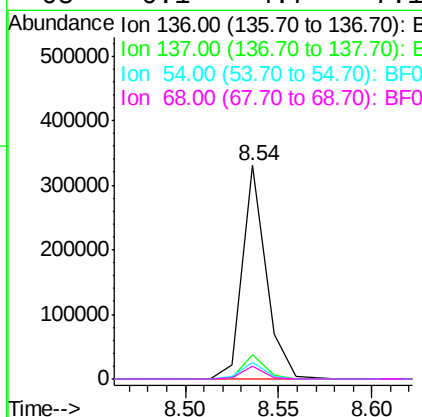
RT: 8.54 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Tgt Ion:	136	Resp:	292930
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.9	6.6	9.8
68	6.1	4.7	7.1





#23

Nitrobenzene-d5

Concen: 64.52 ng

RT: 7.66 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

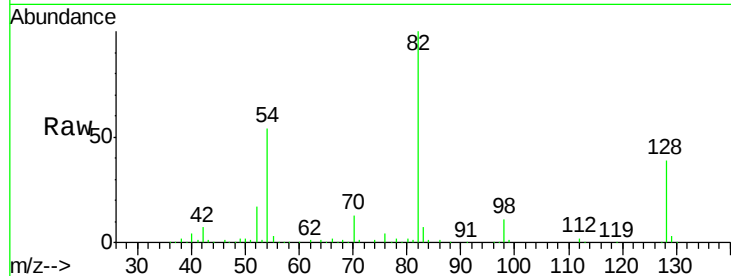
ClientSampleId :

TP-1-SS

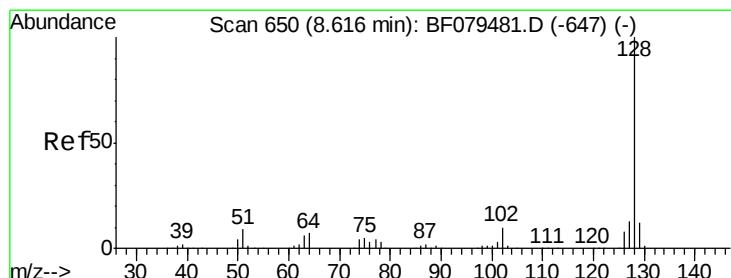
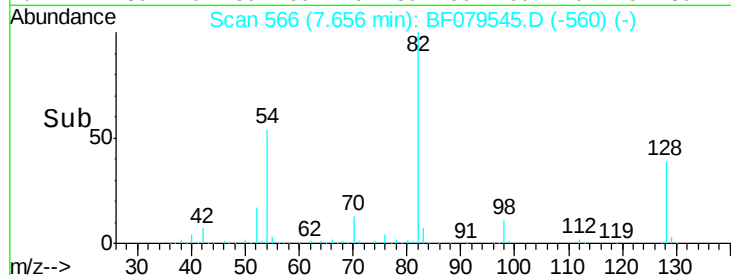
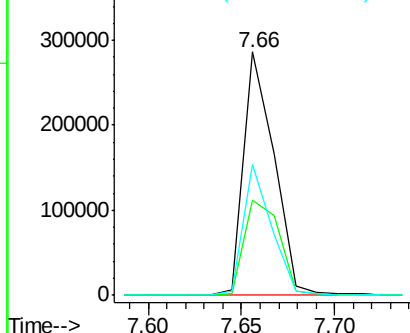
Tot Ion:	82	Resp:	326932
Ion Ratio	Lower	Upper	
82	100		
128	39.1	30.8	46.2
54	53.7	42.8	64.2

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 3.66 ng

RT: 8.56 min Scan# 645

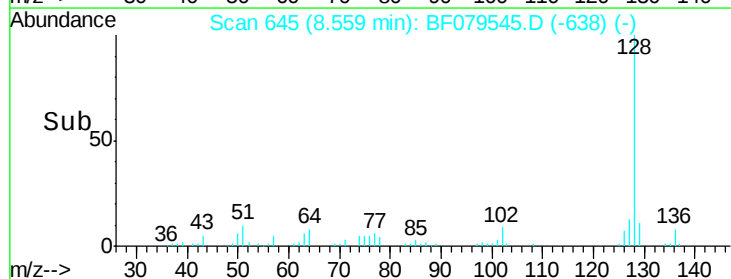
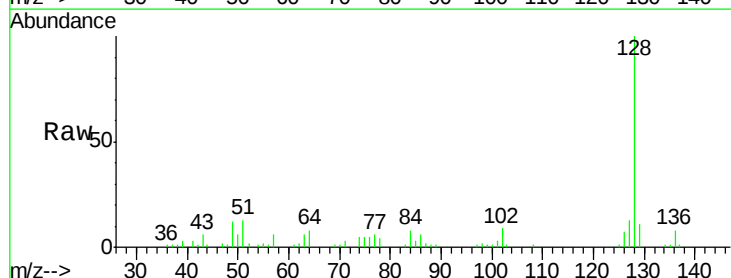
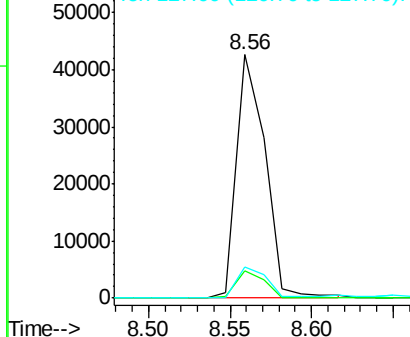
Delta R.T. -0.01 min

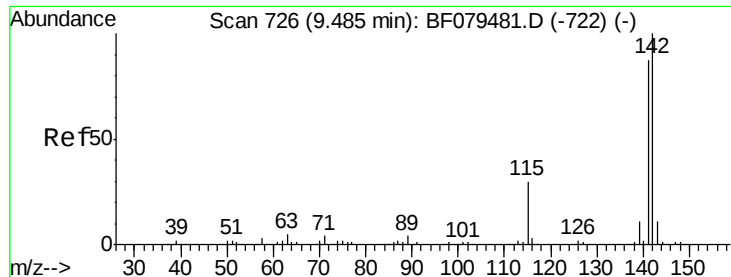
Lab File: BF079545.D

Acq: 28 May 2015 15:37

Tgt Ion:	128	Resp:	51481
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.3	13.9
127	12.9	10.6	15.8

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





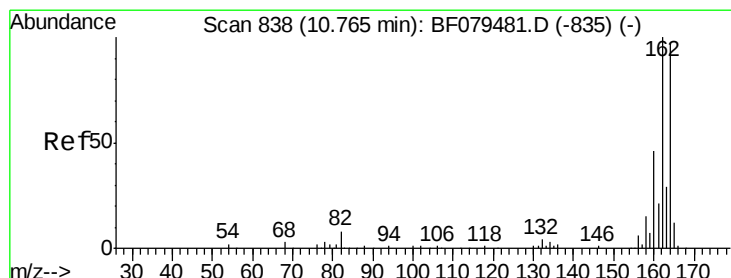
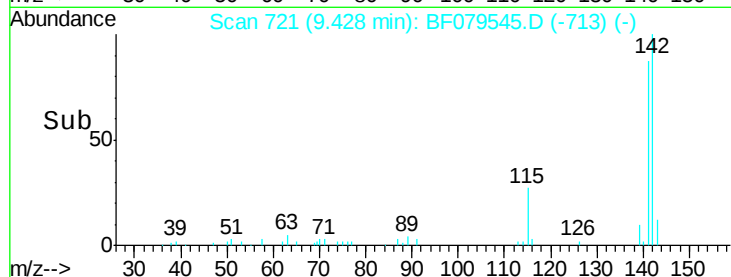
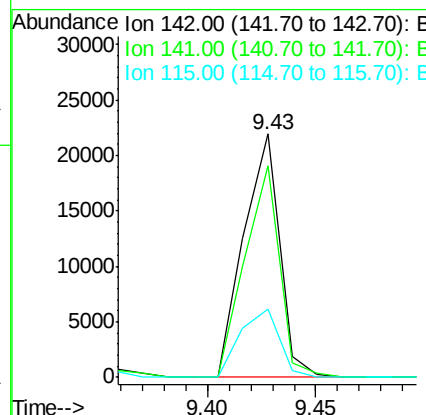
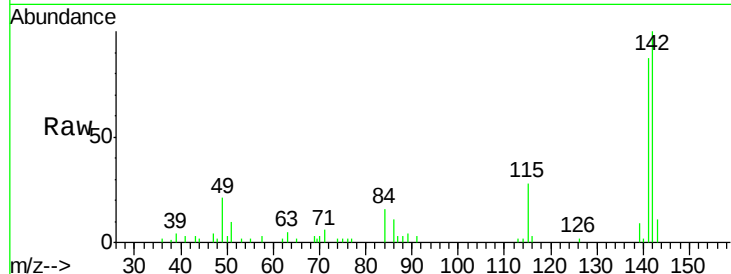
#37
2-Methylnaphthalene
Concen: 2.57 ng
RT: 9.43 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Instrument :
BNA_F
ClientSampleId :
TP-1-SS

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.5	104.3
115	27.9	23.8	35.6

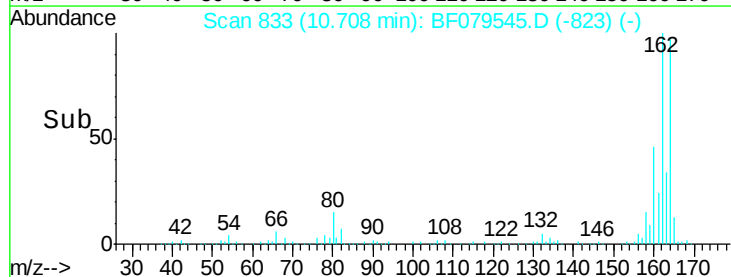
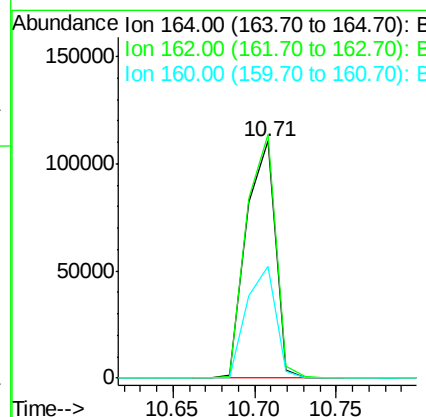
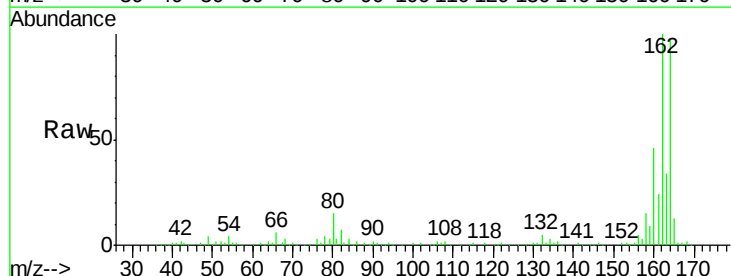
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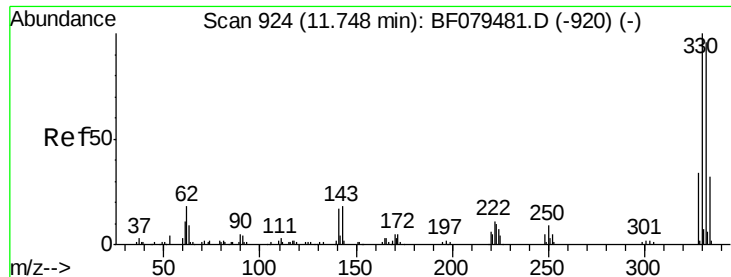
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.00 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	124.0
160	47.1	37.7	56.5





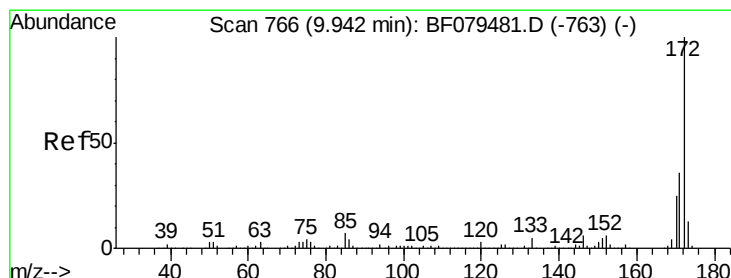
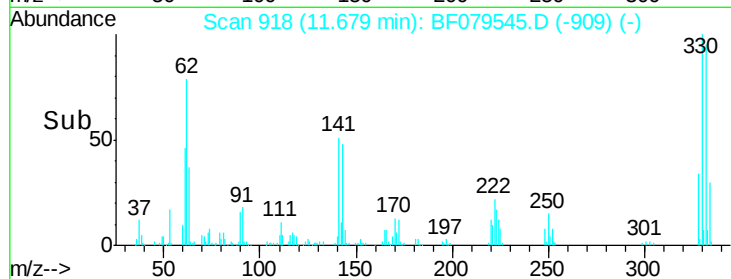
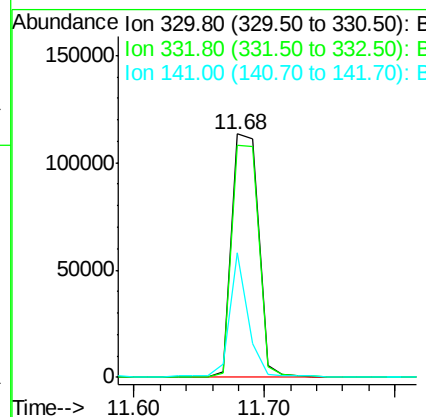
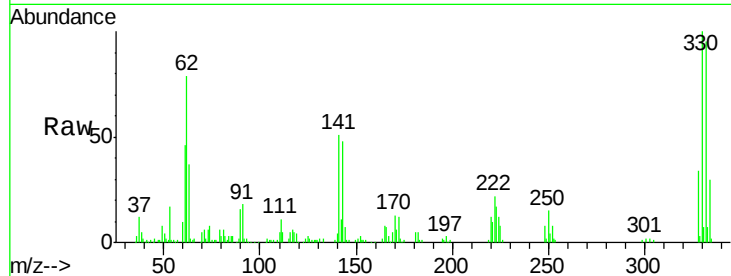
#41
 2,4,6-Tribromophenol
 Concen: 108.75 ng
 RT: 11.68 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Instrument :
 BNA_F
 ClientSampled :
 TP-1-SS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	36.6	0.0	0.0#

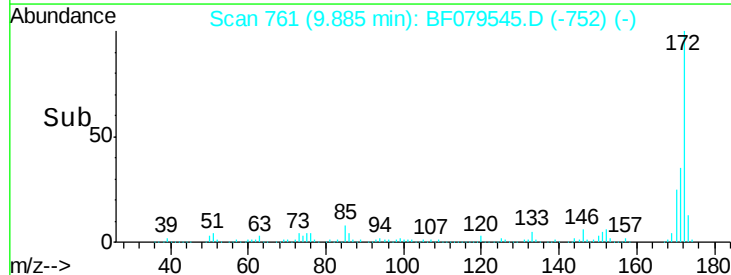
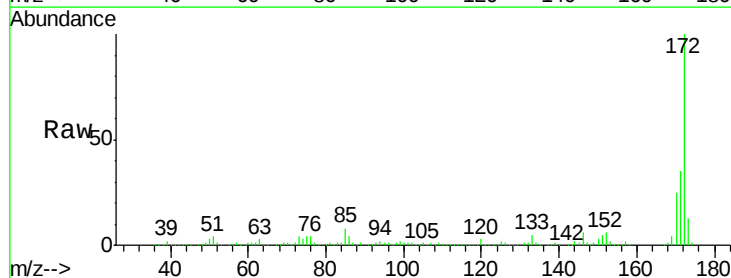
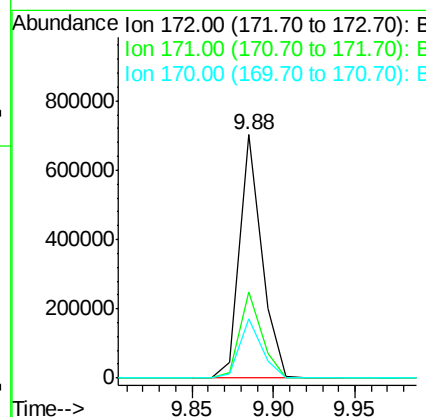
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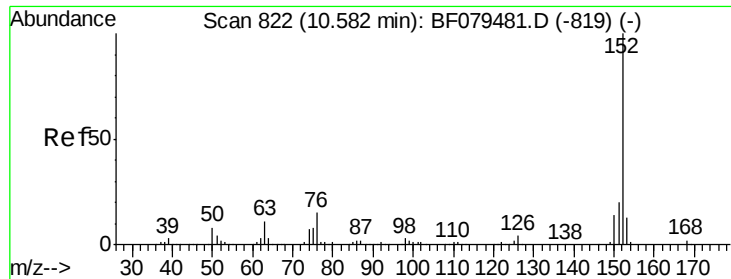
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#44
 2-Fluorobiphenyl
 Concen: 68.68 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.5	28.5	42.7
170	24.5	19.7	29.5





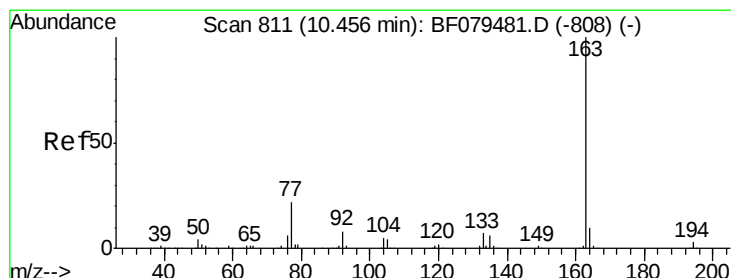
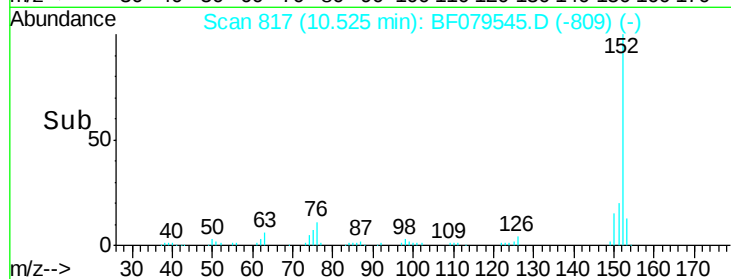
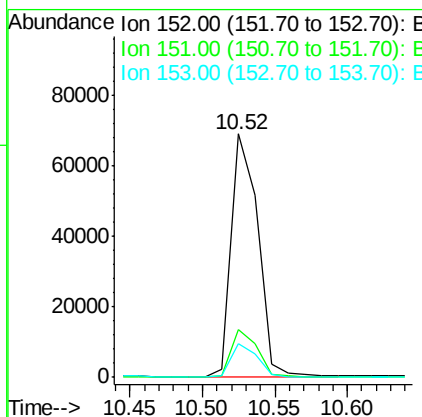
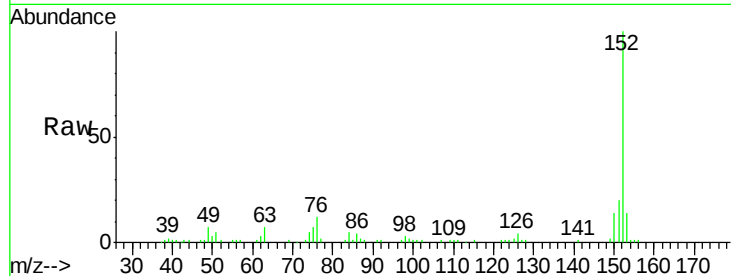
#48
Acenaphthylene
Concen: 6.42 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Instrument :
BNA_F
ClientSampleId :
TP-1-SS

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.9	10.7	16.1

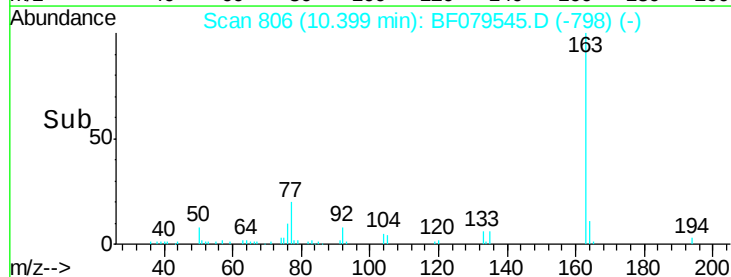
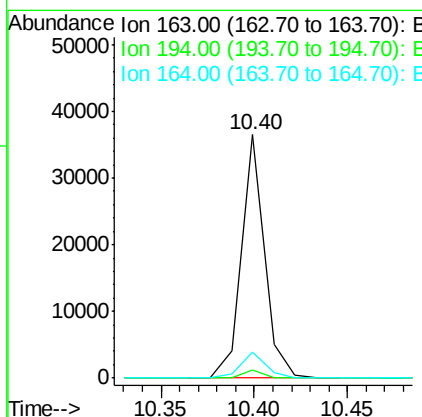
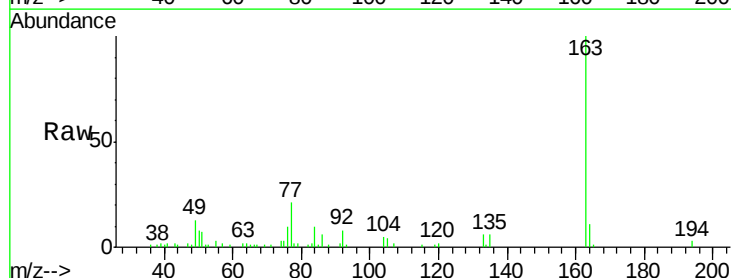
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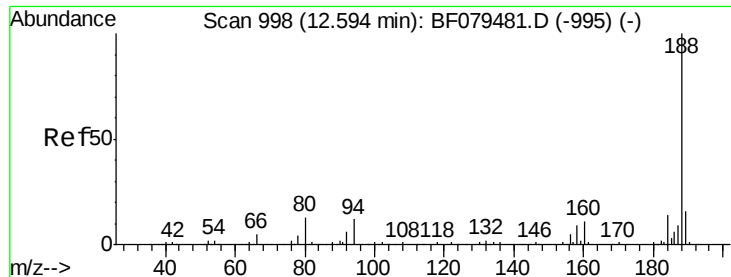
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#49
Dimethylphthalate
Concen: 3.14 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.4	3.6
164	10.8	8.2	12.4





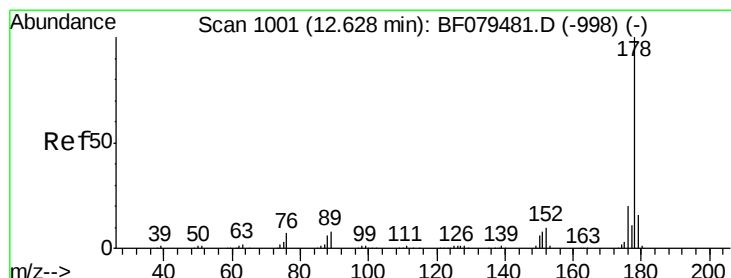
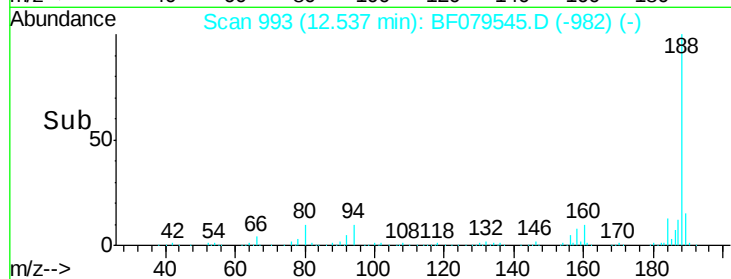
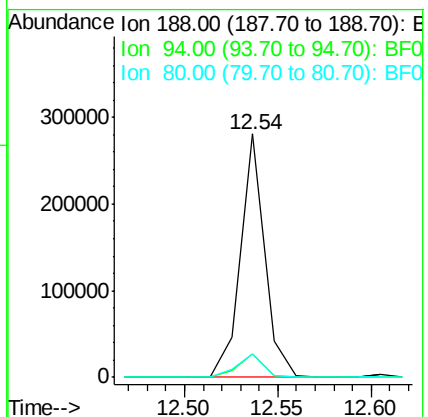
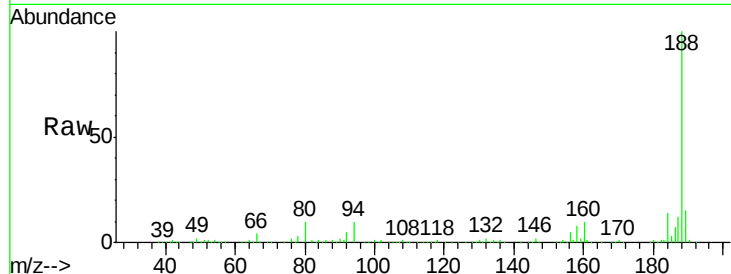
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Instrument :
BNA_F
ClientSampleId :
TP-1-SS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	9.8	14.6
80	9.7	10.5	15.7

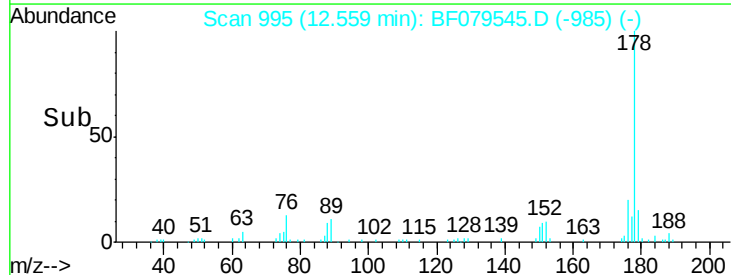
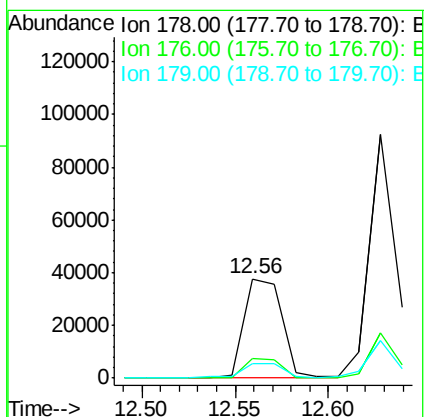
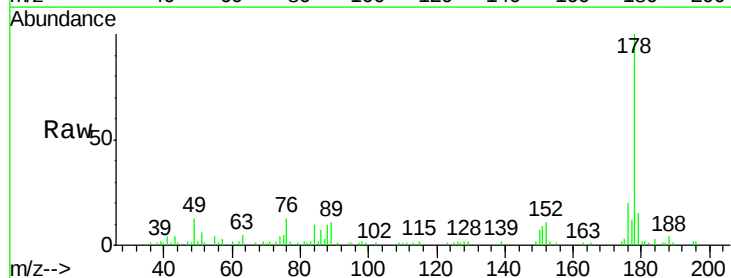
Manual Integrations
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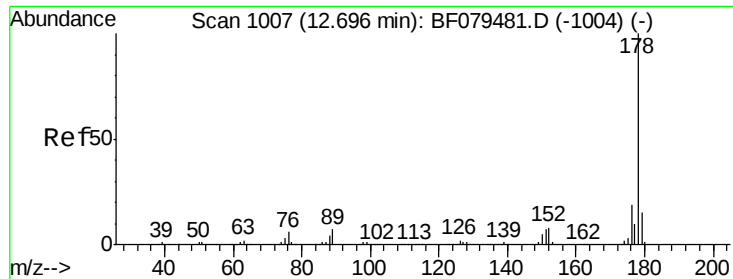
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#70
Phenanthrene
Concen: 3.81 ng
RT: 12.56 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.7	23.5
179	14.9	12.4	18.6





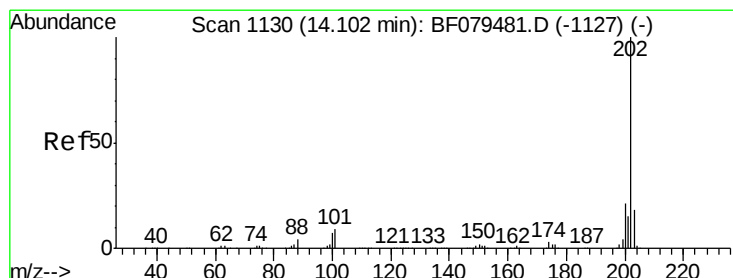
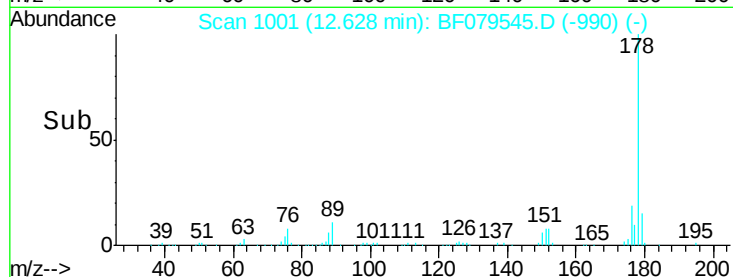
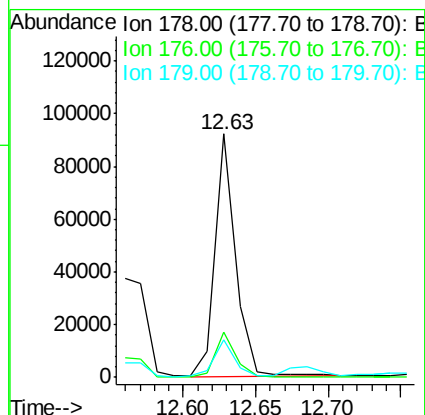
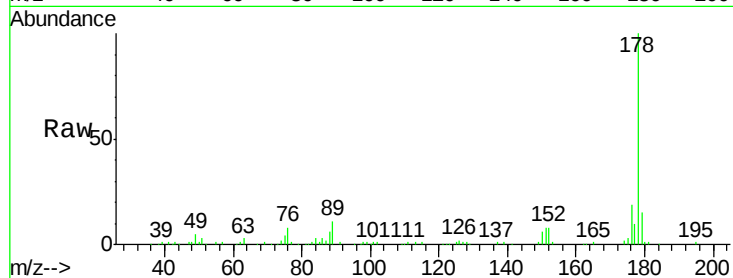
#71
 Anthracene
 Concen: 6.46 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-SS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.5	12.2	18.4

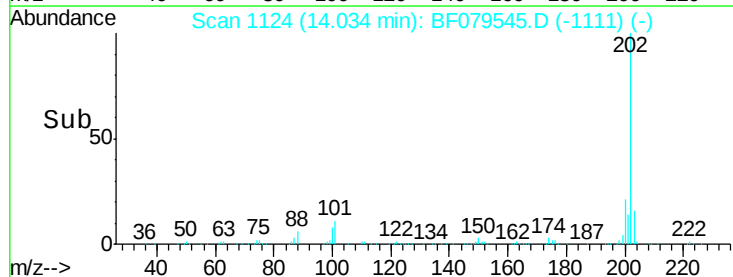
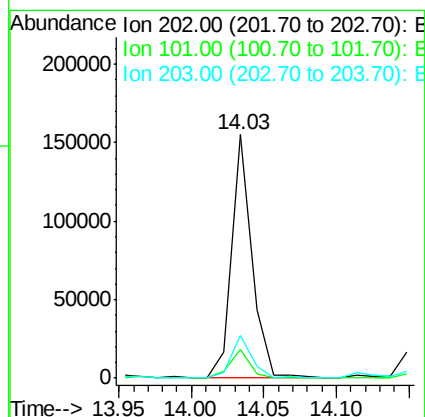
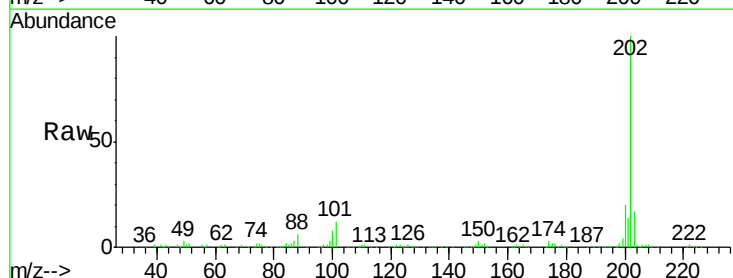
Manual Integrations
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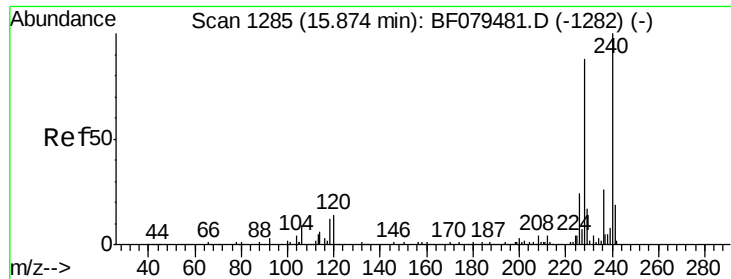
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#74
 Fluoranthene
 Concen: 10.00 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	29.3
203	17.3	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

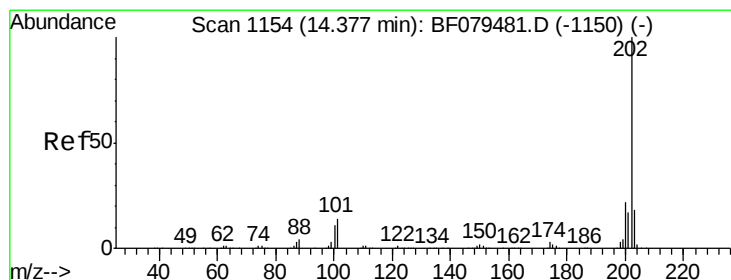
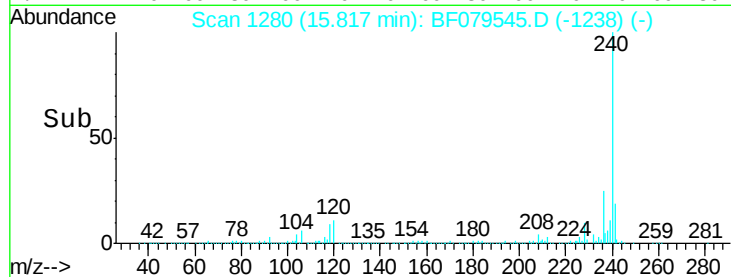
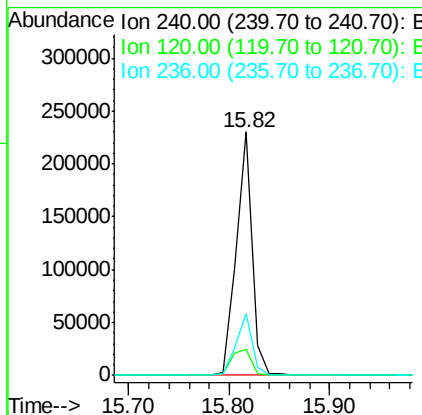
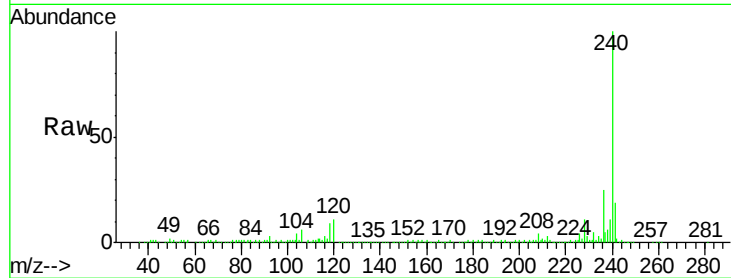
ClientSampleId :

TP-1-SS

Tot Ion:	240	Resp:	253698
Ion Ratio	Lower	Upper	
240	100		
120	10.7	10.8	16.2#
236	25.4	21.0	31.6

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#77

Pyrene

Concen: 11.67 ng

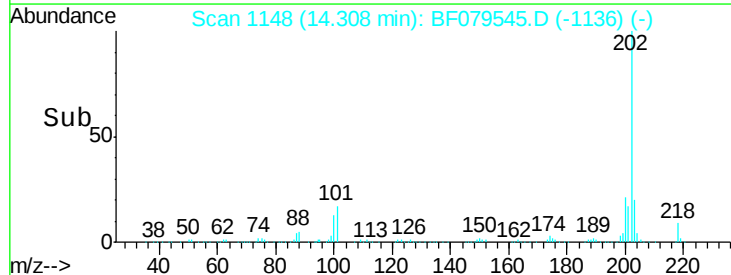
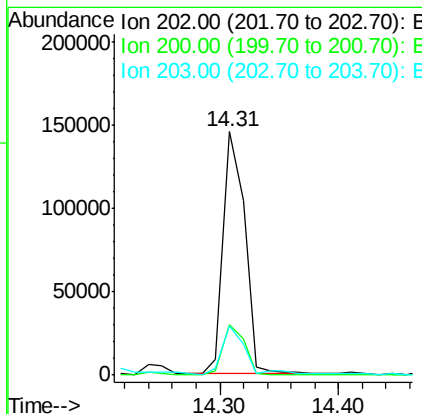
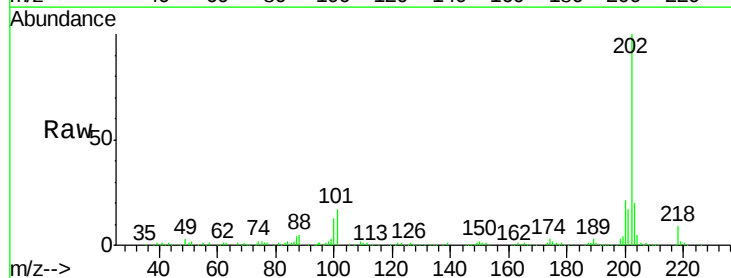
RT: 14.31 min Scan# 1148

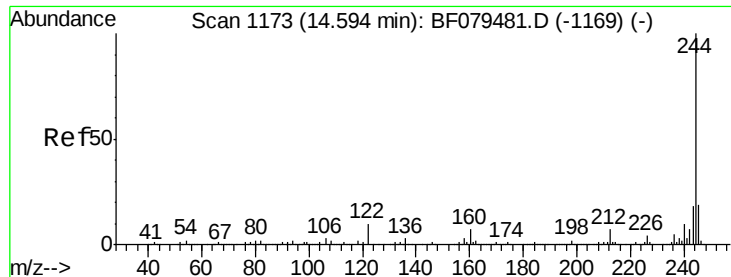
Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Tgt Ion:	202	Resp:	183363
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.5	26.3
203	20.2	14.4	21.6





#78

Terphenyl-d14

Concen: 63.04 ng

RT: 14.53 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

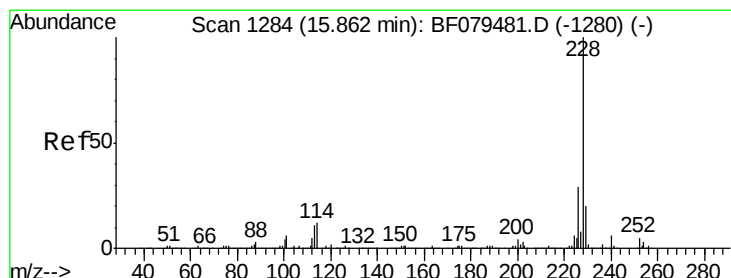
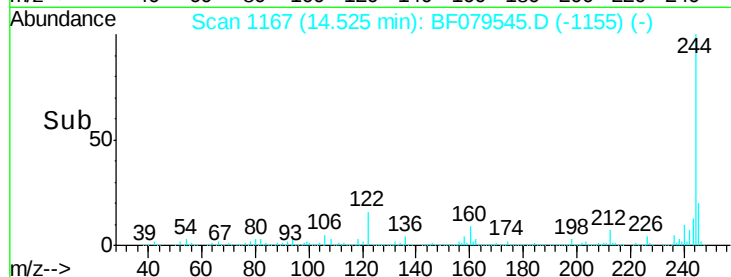
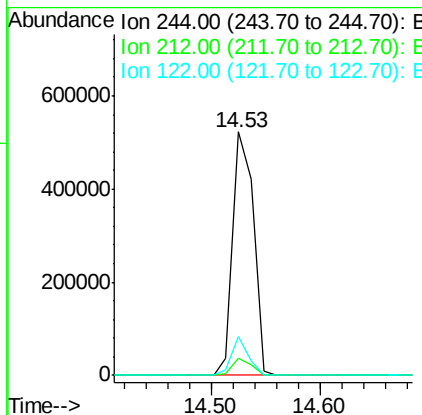
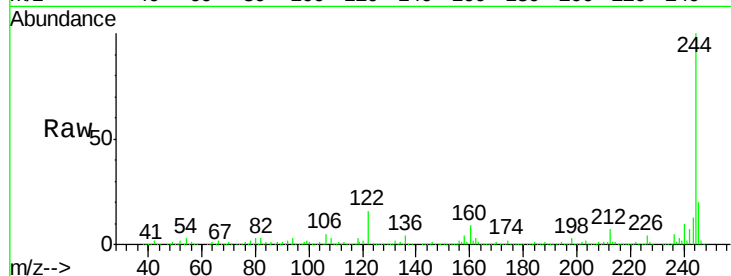
ClientSampleId :

TP-1-SS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.2	7.8
122	16.0	8.0	12.0

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#80

Benzo(a)anthracene

Concen: 9.30 ng m

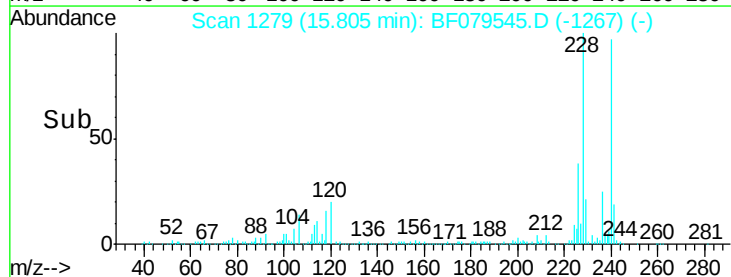
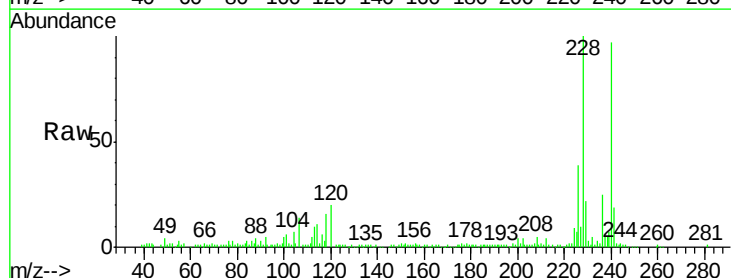
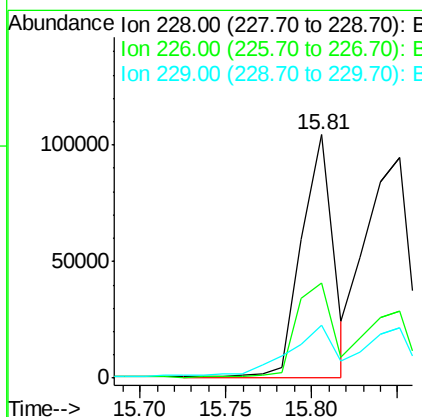
RT: 15.81 min Scan# 1279

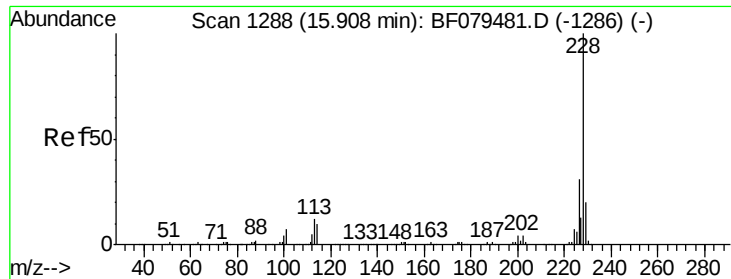
Delta R.T. -0.02 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.8	22.8	34.2
229	21.7	15.9	23.9





#82

Chrysene

Concen: 11.76 ng

RT: 15.85 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

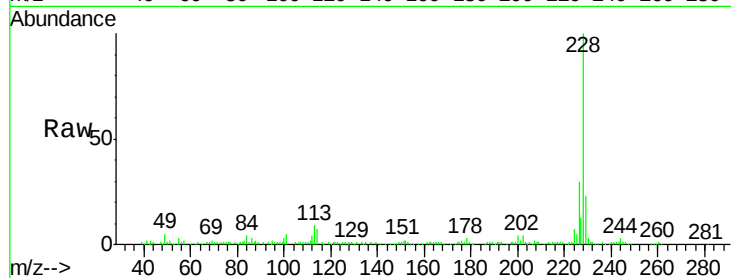
ClientSampled :

TP-1-SS

Tot Ion:	228	Resp:	163099
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.4
229	23.0	15.9	23.9

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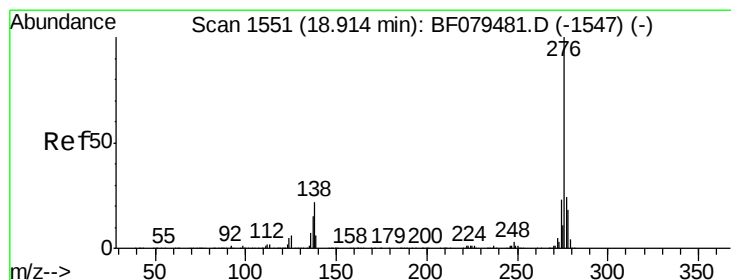
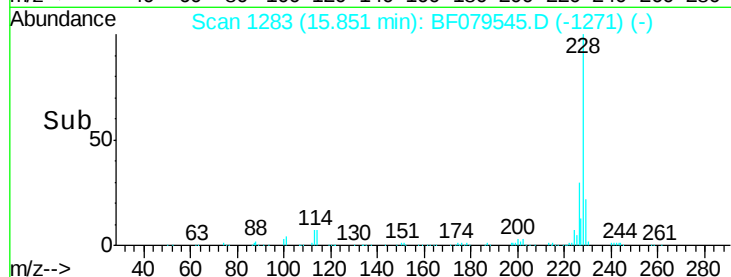
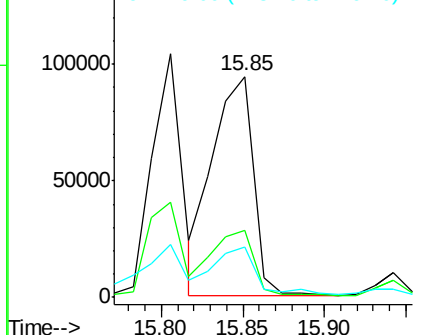
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.22 ng

RT: 18.87 min Scan# 1547

Delta R.T. -0.15 min

Lab File: BF079545.D

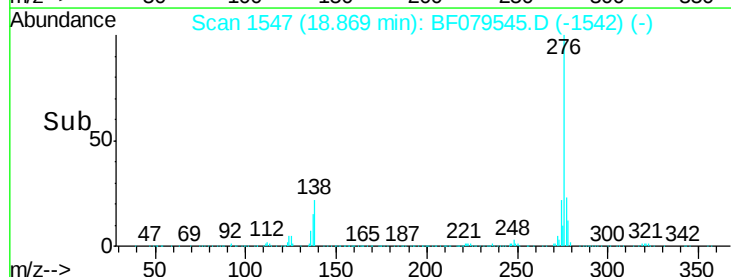
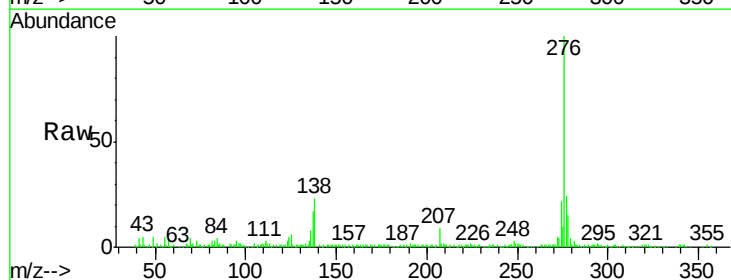
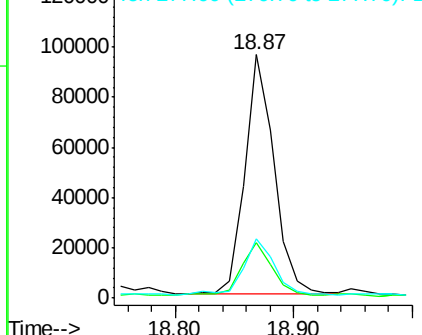
Acq: 28 May 2015 15:37

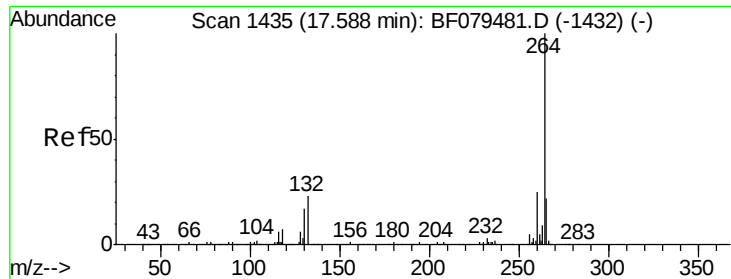
Tgt Ion:	276	Resp:	164458
Ion Ratio	Lower	Upper	
276	100		
138	22.3	21.4	32.2
277	24.4	19.8	29.6

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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.57 min Scan# 1433

Delta R.T. -0.10 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

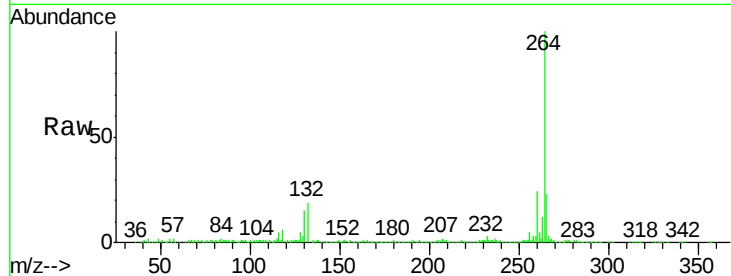
ClientSampleId :

TP-1-SS

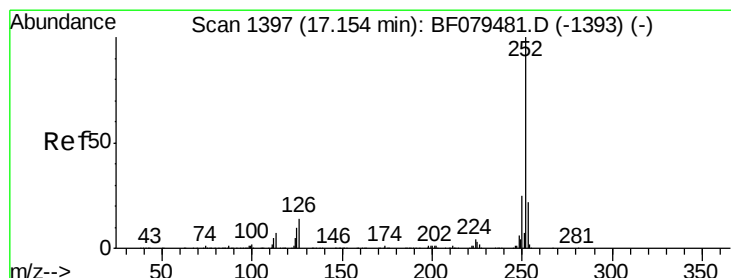
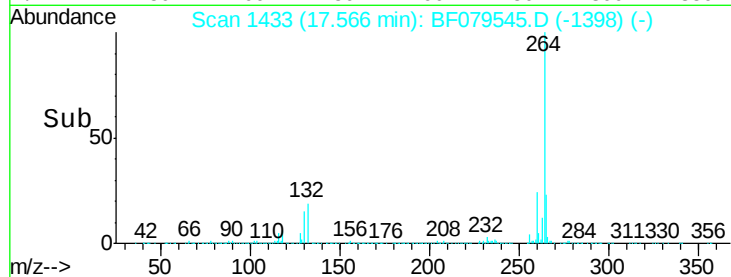
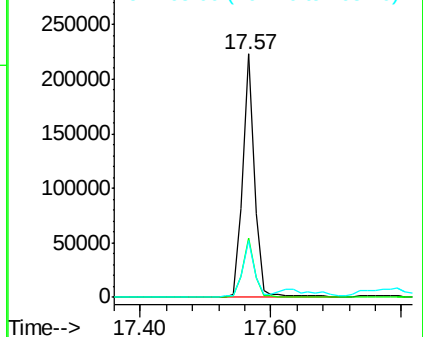
Tot Ion:	264	Resp:	279060
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.8	29.8
265	23.2	17.8	26.6

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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



#87

Benzo(b)fluoranthene

Concen: 20.87 ng m

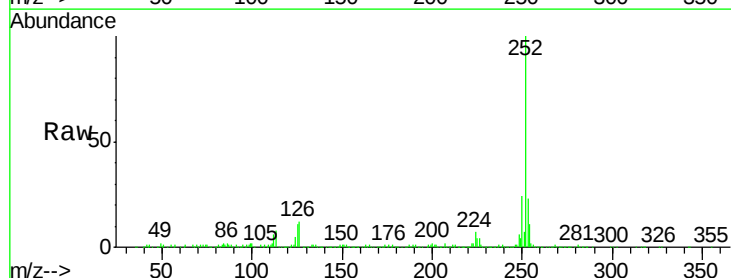
RT: 17.12 min Scan# 1394

Delta R.T. -0.08 min

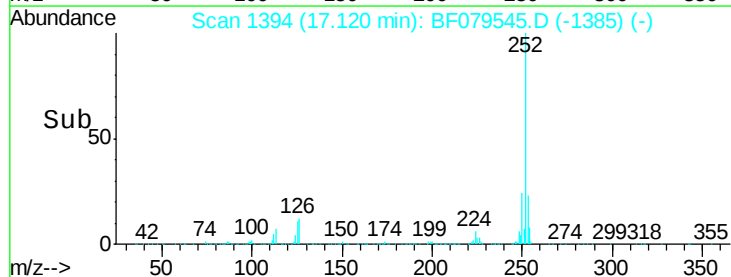
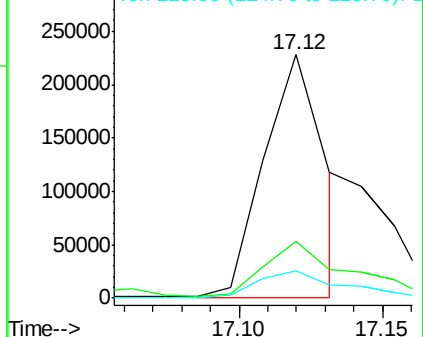
Lab File: BF079545.D

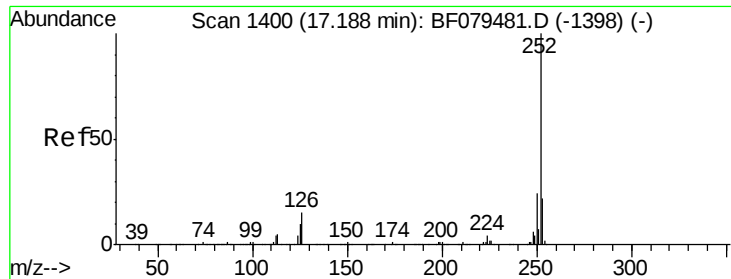
Acq: 28 May 2015 15:37

Tgt Ion:	252	Resp:	332211
Ion Ratio		Lower	Upper
252	100		
253	23.1	17.6	26.4
125	11.2	7.8	11.6



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





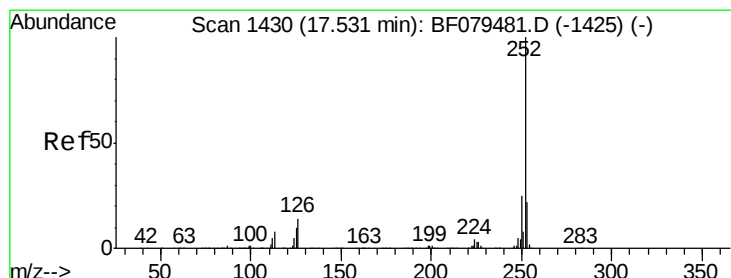
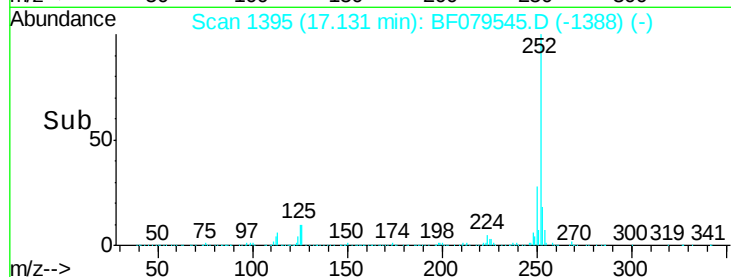
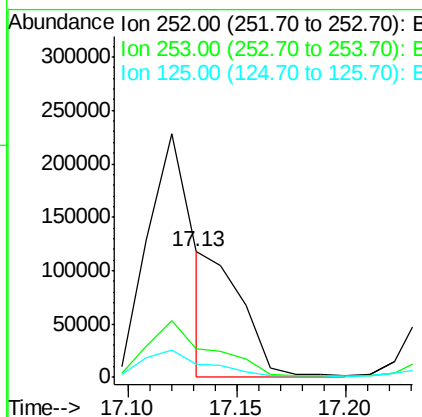
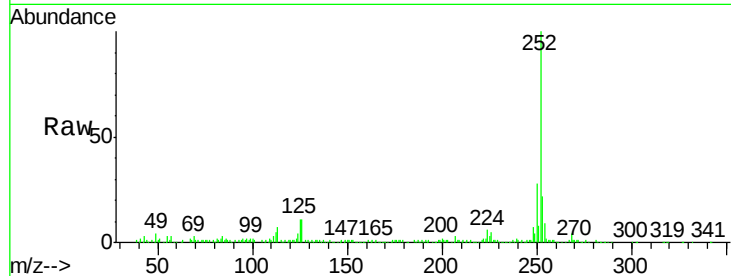
#88
Benzo(k)fluoranthene
Concen: 9.08 ng m
RT: 17.13 min Scan# 1395
Delta R.T. -0.10 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Instrument :
BNA_F
ClientSampleId :
TP-1-SS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	129187		
253	22.5	17.2	25.8	
125	10.6	6.8	10.2	

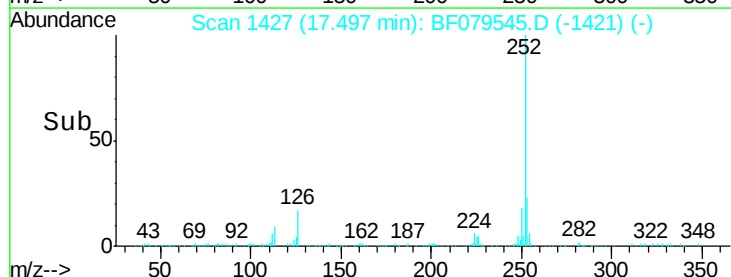
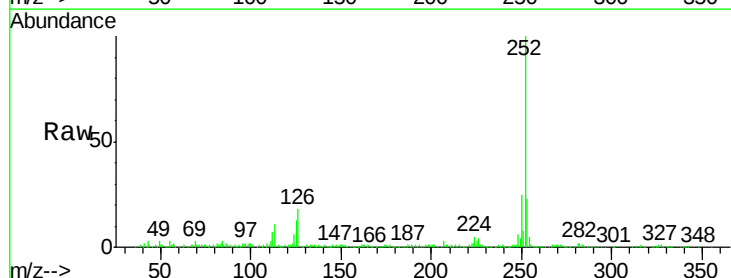
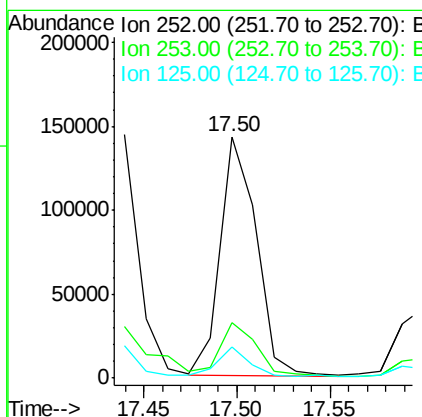
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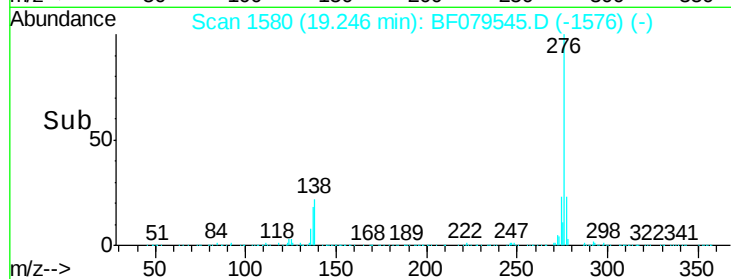
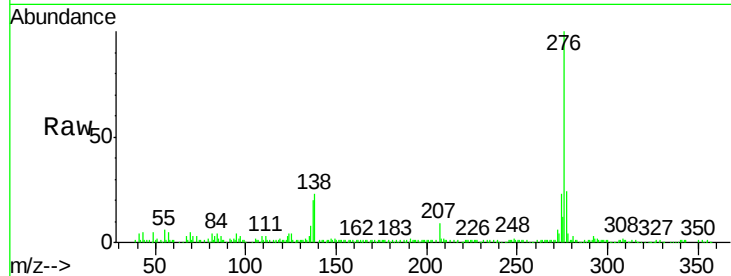
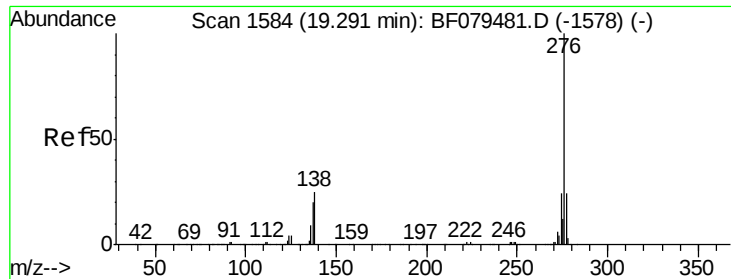
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#89
Benzo(a)pyrene
Concen: 12.41 ng
RT: 17.50 min Scan# 1427
Delta R.T. -0.11 min
Lab File: BF079545.D
Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	192620		
253	23.2	17.8	26.8	
125	13.0	7.9	11.9	





#91

Benzo(a,h,i)perylene

Concen: 9.34 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.16 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_F

ClientSampleId :

TP-1-SS

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.9	19.1	28.7	
138	23.1	20.1	30.1	

Manual Integrations
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