

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085427.D
 Acq On : 14 Mar 2016 14:25
 Operator : UM/SJ
 Sample : H1754-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Manual Integrations
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 3/15/2016 2:09:06 PM

Quant Time: Mar 15 02:03:20 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	6.93	152	192448	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	755853	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	346646	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	593405	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	315607	20.00	ng	-0.06
86) Perylene-d12	15.55	264	314685	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1744871	152.08	ng	-0.03
7) Phenol-d6	6.56	99	1934475	128.70	ng	-0.05
23) Nitrobenzene-d5	7.49	82	1300675	92.08	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	418584	141.12	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1980548	86.89	ng	-0.06
78) Terphenyl-d14	13.04	244	1444406	106.24	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.68	163	253415	9.52	ng	99
70) Phenanthrene	11.48	178	524553	16.87	ng	98
71) Anthracene	11.52	178	156283	4.73	ng	98
74) Fluoranthene	12.66	202	759926	24.35	ng	98
77) Pyrene	12.89	202	651507	27.43	ng	99
80) Benzo(a)anthracene	14.08	228	302888	16.03	ng	97
82) Chrysene	14.12	228	234268m	13.42	ng	
83) Bis(2-ethylhexyl)phthalate	14.07	149	86659	6.11	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.99	276	142301	10.45	ng	91
87) Benzo(b)fluoranthene	15.12	252	299383m	14.27	ng	
88) Benzo(k)fluoranthene	15.15	252	119418m	7.06	ng	
89) Benzo(a)pyrene	15.48	252	225944	13.00	ng	# 92
90) Dibenzo(a,h)anthracene	17.00	278	34572m	2.33	ng	
91) Benzo(g,h,i)perylene	17.43	276	131384	8.81	ng	95

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

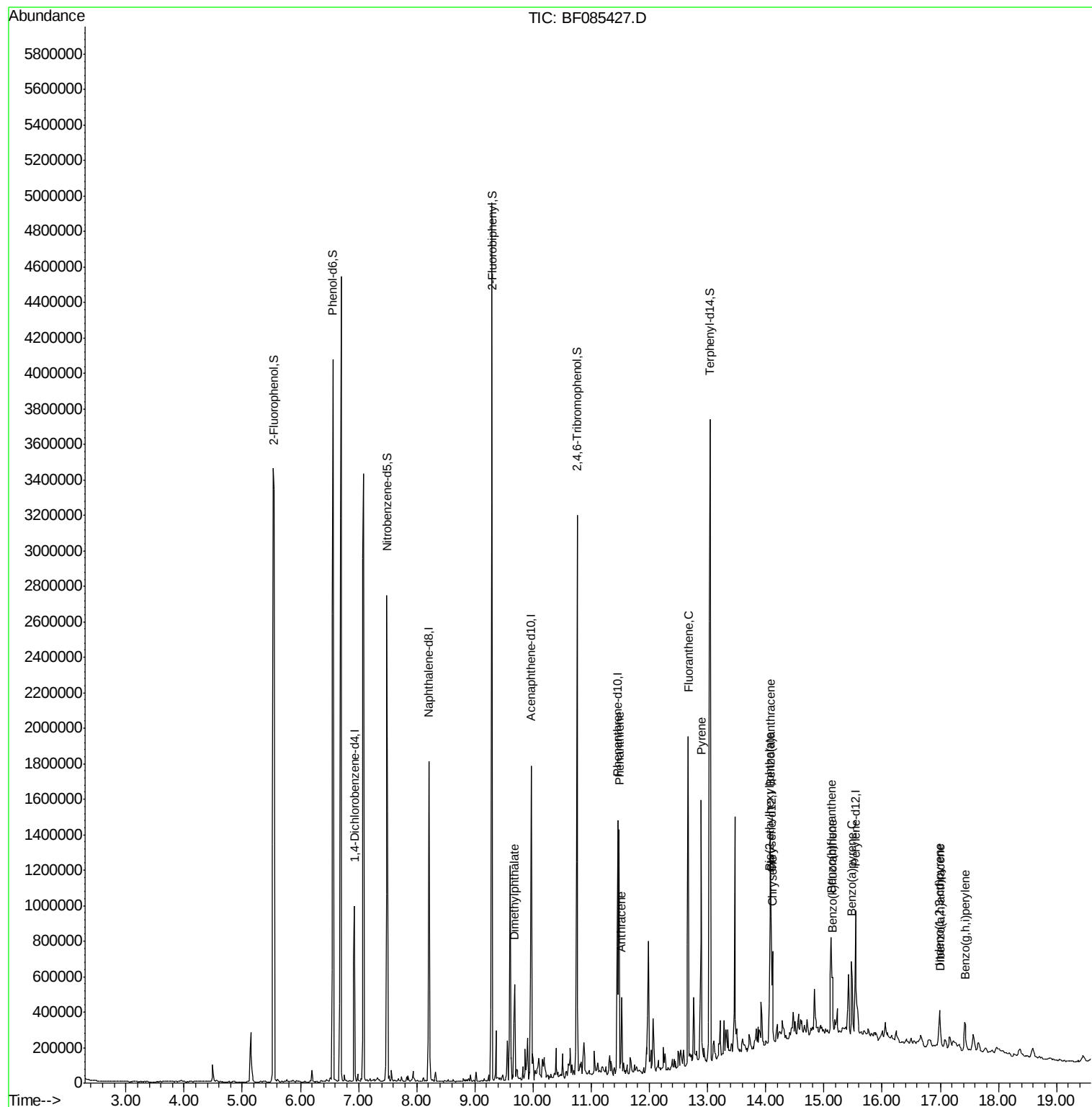
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
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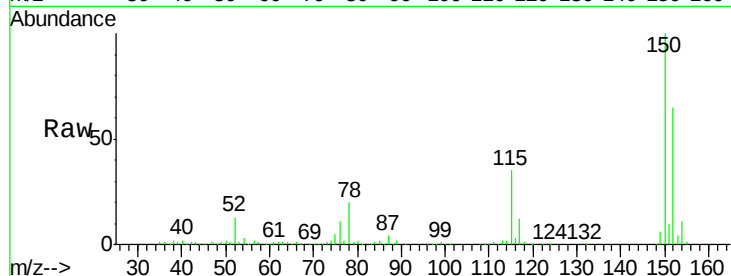
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

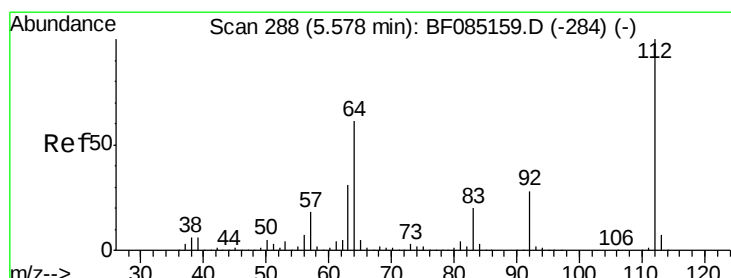
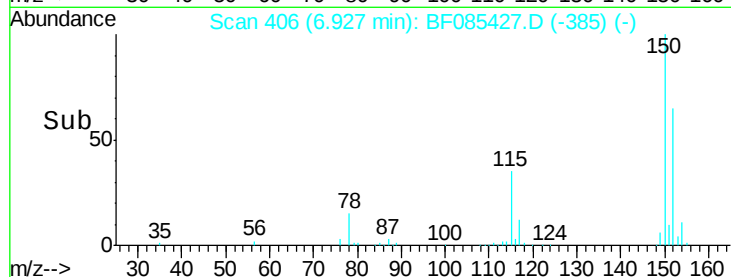
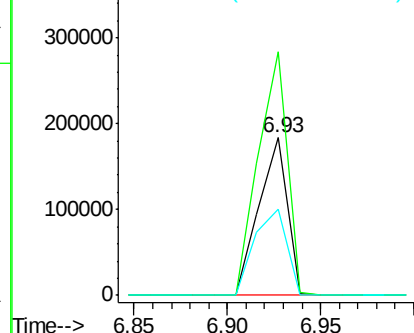
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	192448		
150	154.4	124.6	186.8	
115	54.5	46.6	70.0	

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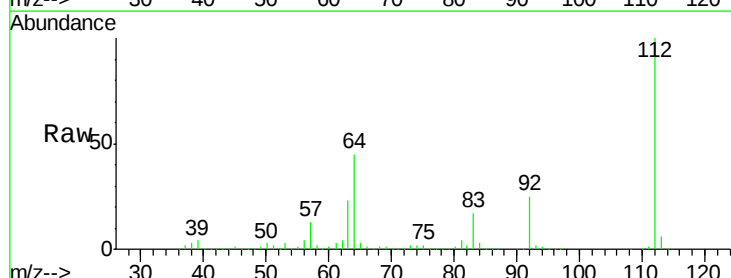


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

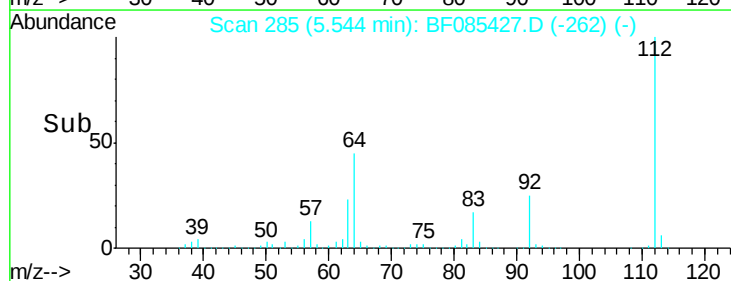
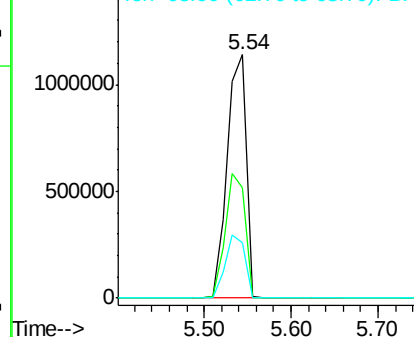


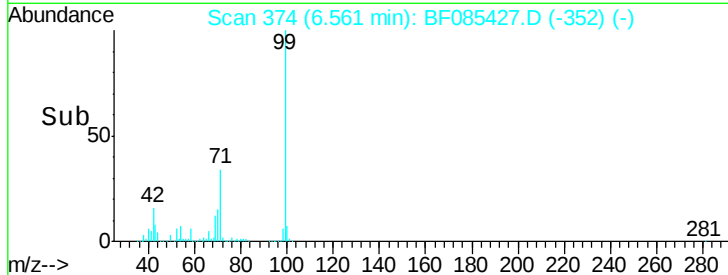
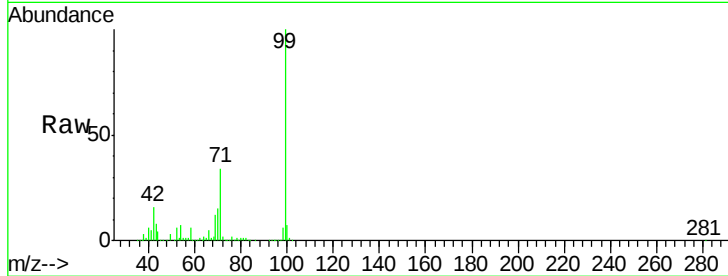
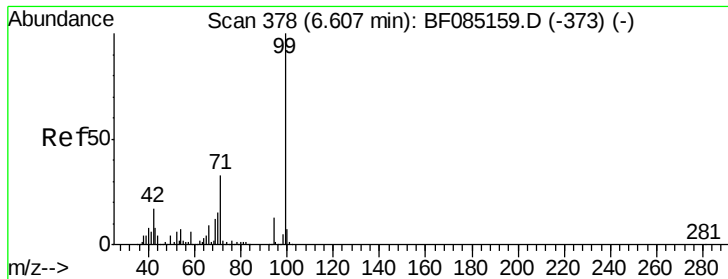
#5
 2-Fluorophenol
 Concen: 152.08 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1744871		
64	45.3	49.0	73.4#	
63	23.0	24.8	37.2#	



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.70 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Tgt Ion: 99 Resp: 1934475

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

71 34.0 26.7 40.1

Instrument :

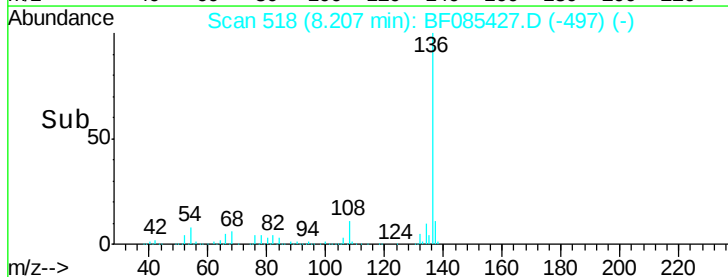
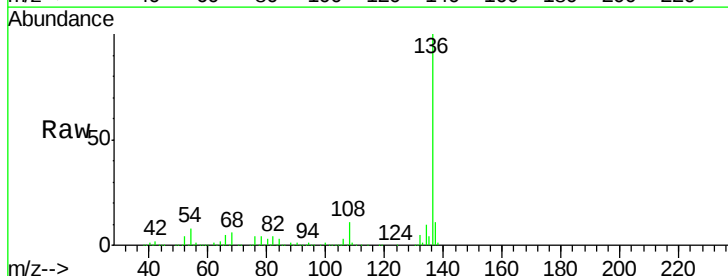
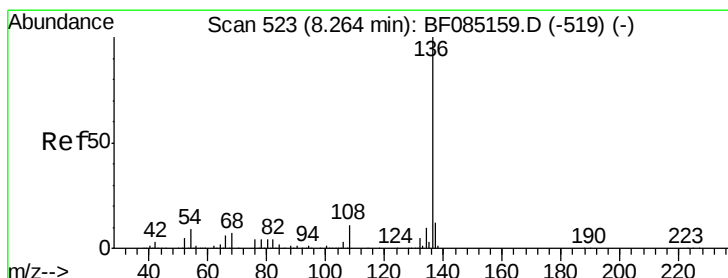
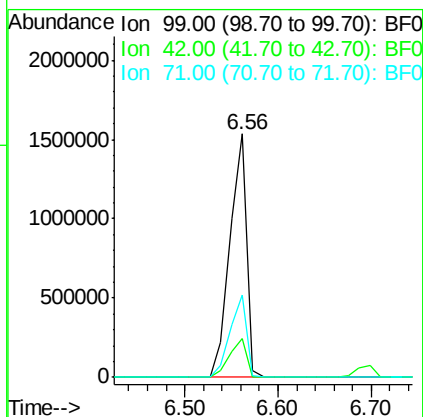
BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Tgt Ion: 136 Resp: 755853

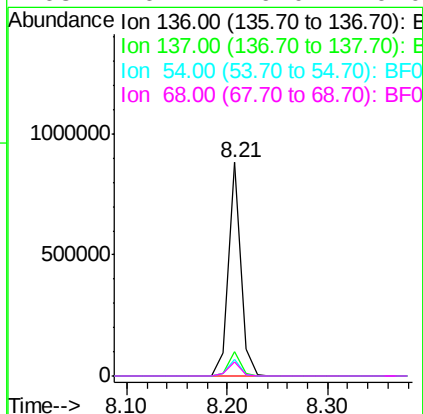
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.5 7.4 11.2

68 6.4 6.0 9.0





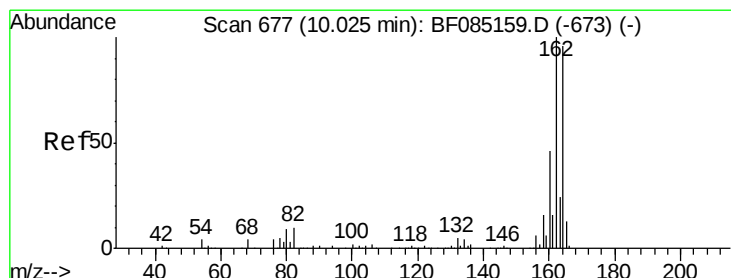
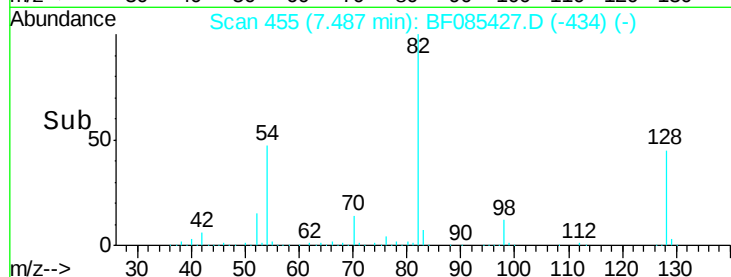
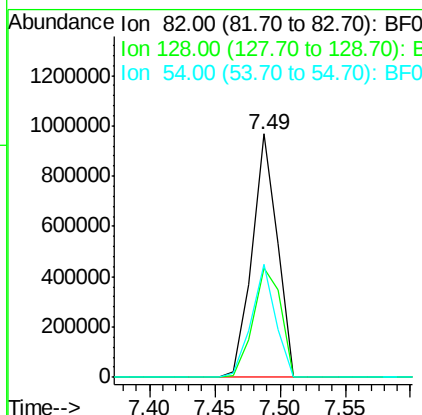
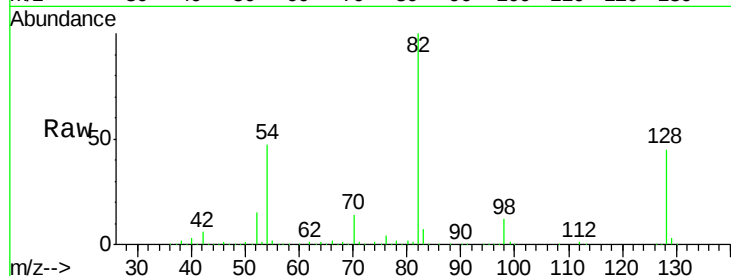
#23
 Nitrobenzene-d5
 Concen: 92.08 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.5	51.7
54	46.6	39.3	58.9

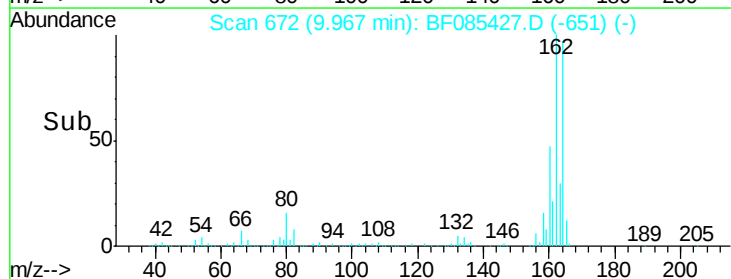
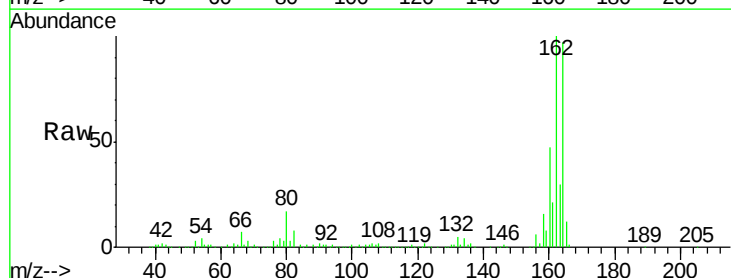
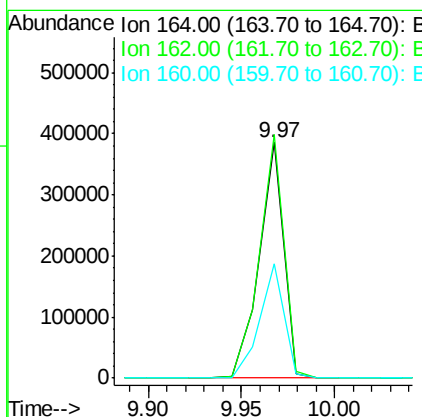
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

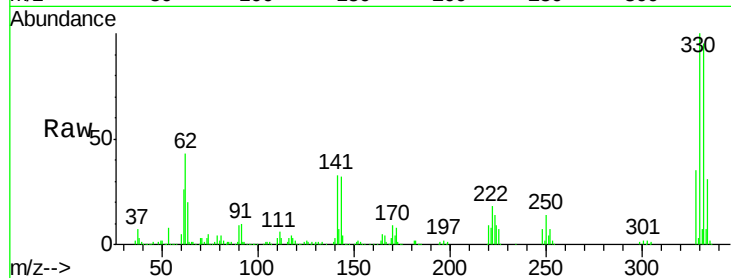
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.3	124.9
160	48.6	37.9	56.9





#41
 2,4,6-Tribromophenol
 Concen: 141.12 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

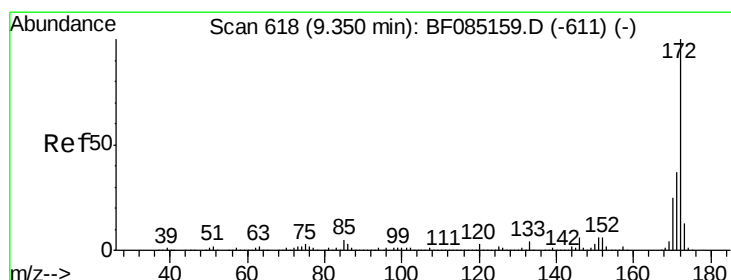
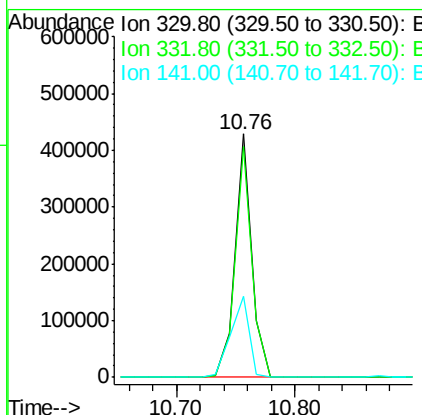
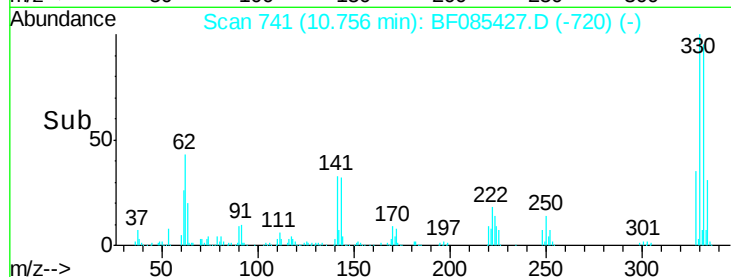
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)



Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	36.8	35.0	52.6

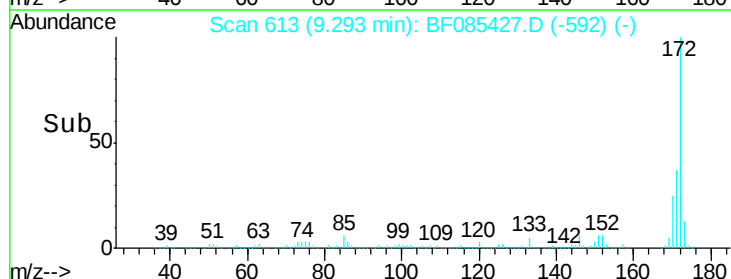
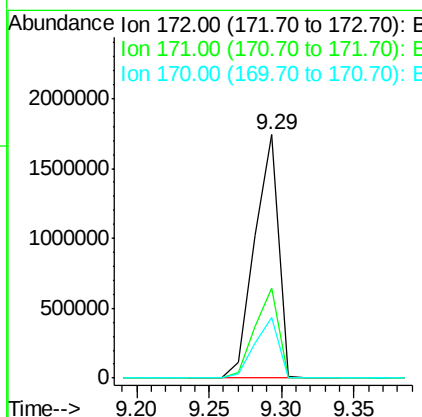
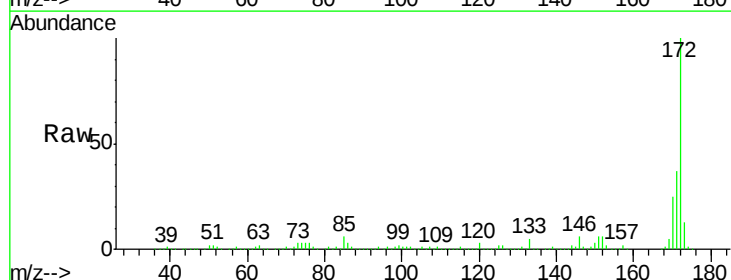
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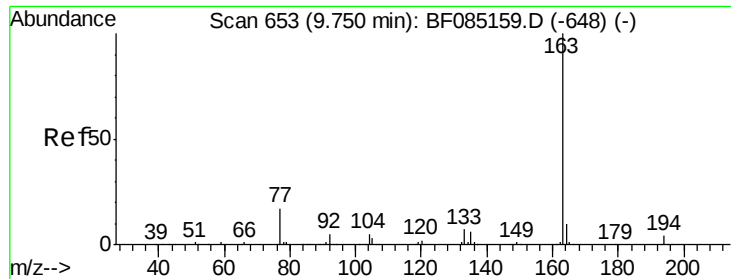
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#44
 2-Fluorobiphenyl
 Concen: 86.89 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.3	43.9
170	25.0	20.0	30.0





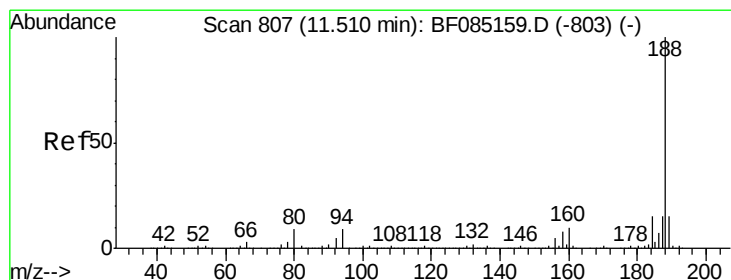
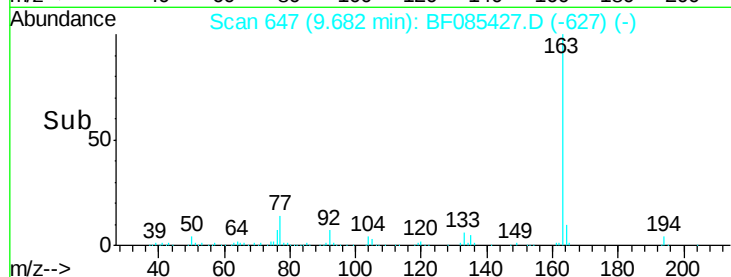
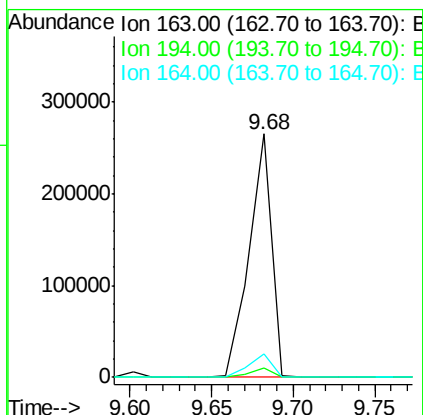
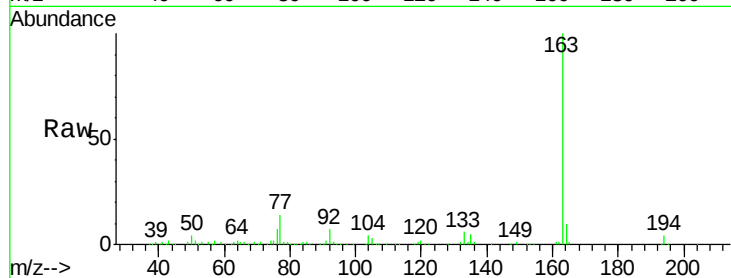
#49
Dimethylphthalate
Concen: 9.52 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	3.1	4.7
164	9.6	8.2	12.4

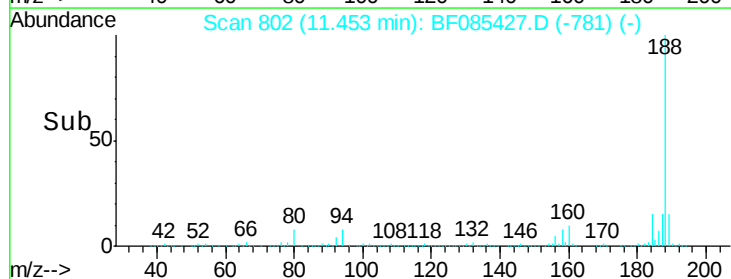
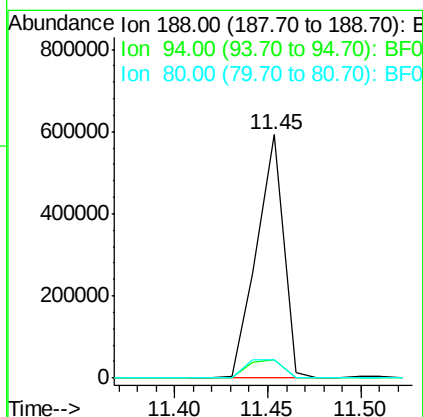
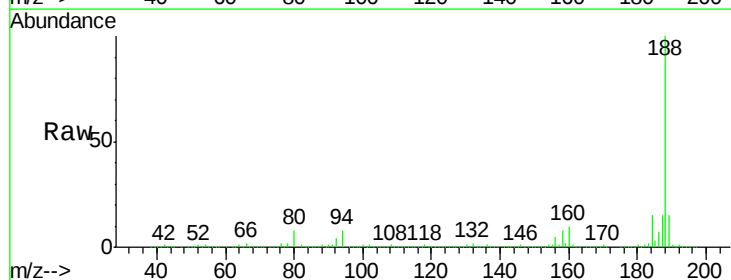
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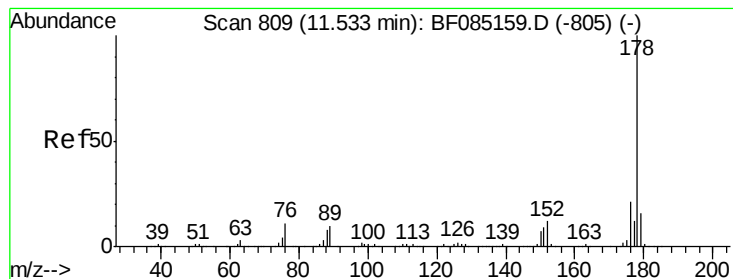
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.7	7.0	10.6
80	7.6	7.4	11.0





#70

Phenanthrene

Concen: 16.87 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

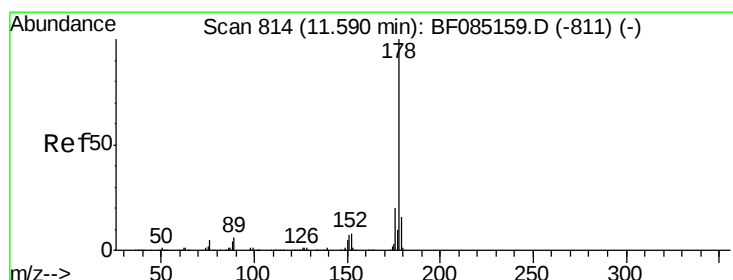
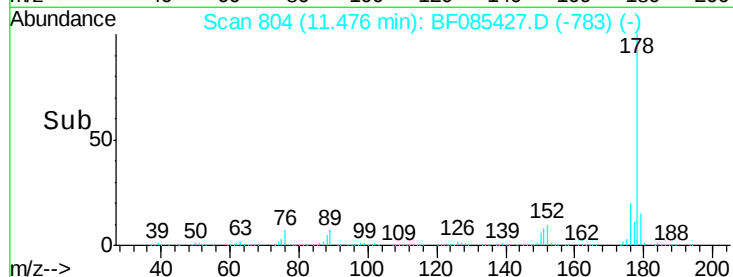
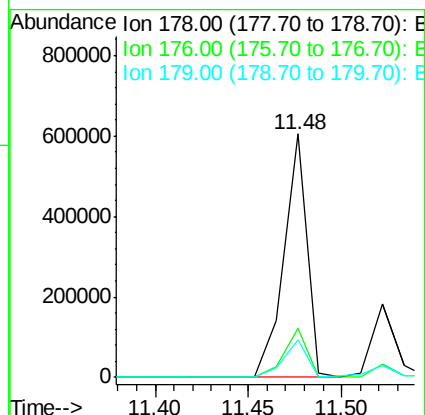
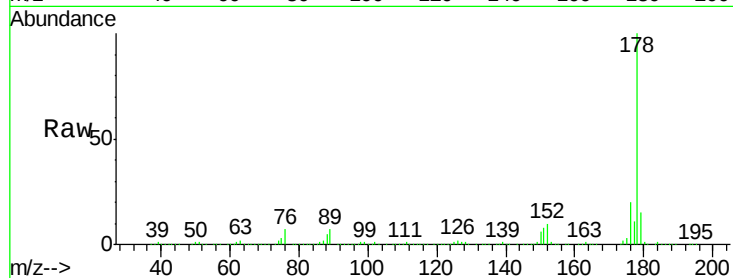
ClientSampleId :

W170TH-SB-09(0.5-3.0)

Tgt Ion:	178	Resp:	524553
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.8	25.2
179	15.3	13.1	19.7

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#71

Anthracene

Concen: 4.73 ng

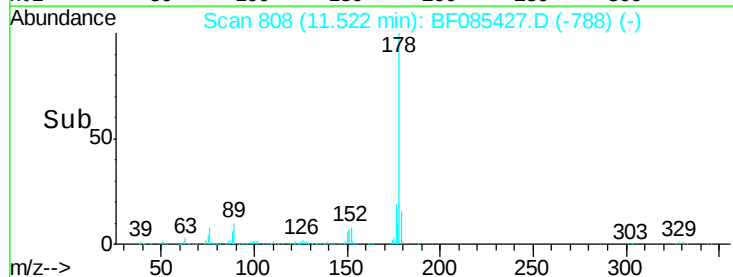
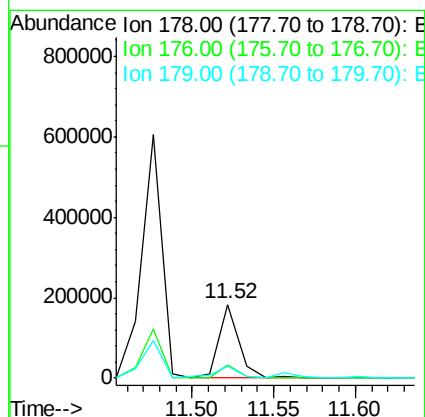
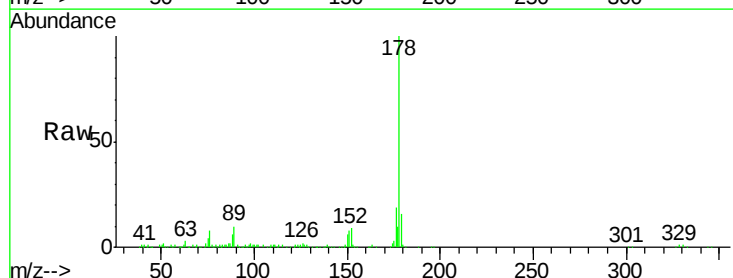
RT: 11.52 min Scan# 808

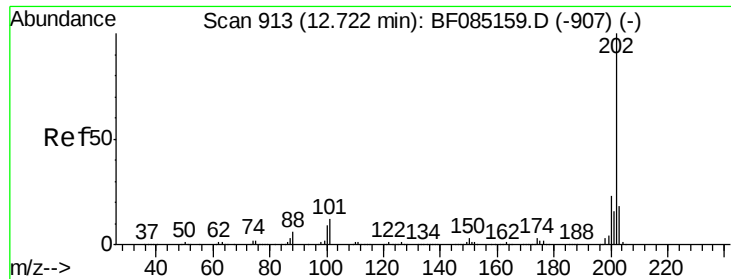
Delta R.T. -0.07 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Tgt Ion:	178	Resp:	156283
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.9	23.9
179	15.7	12.5	18.7





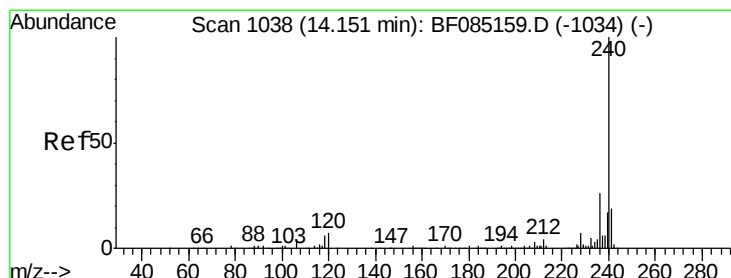
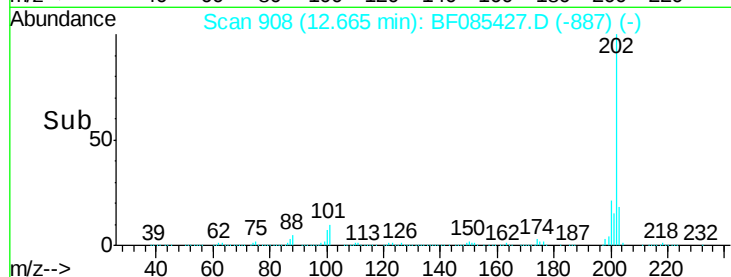
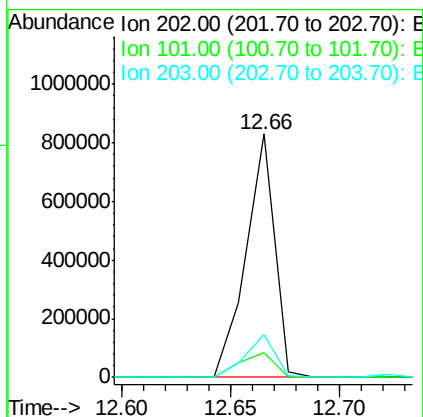
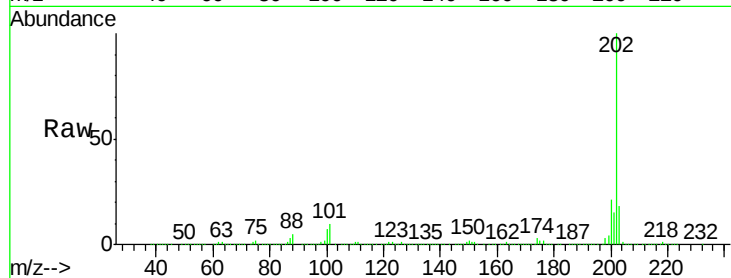
#74
Fluoranthene
Concen: 24.35 ng
RT: 12.66 min Scan# 908
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.4	0.0	31.8
203	17.7	0.0	38.4

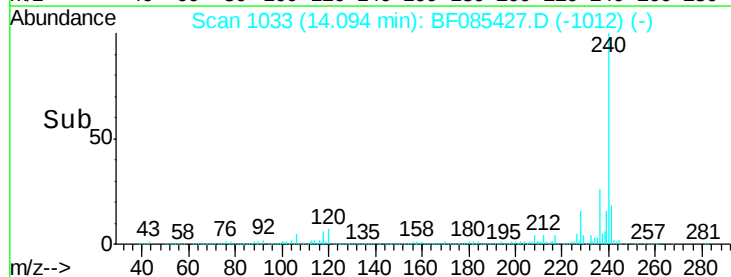
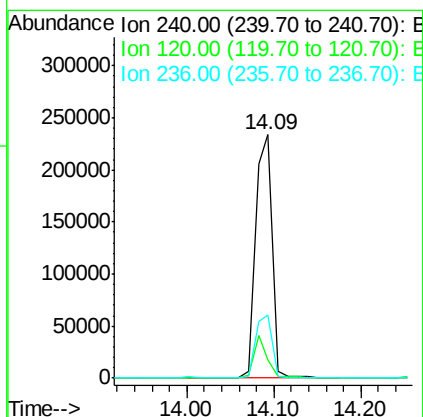
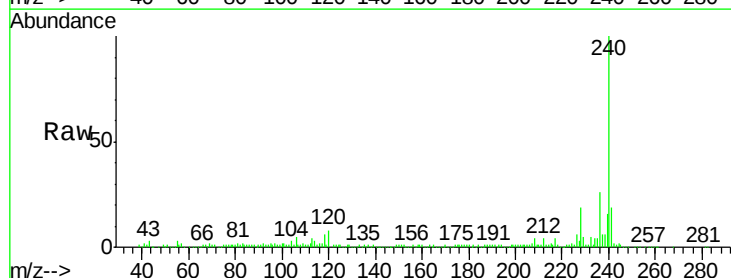
Manual Integrations
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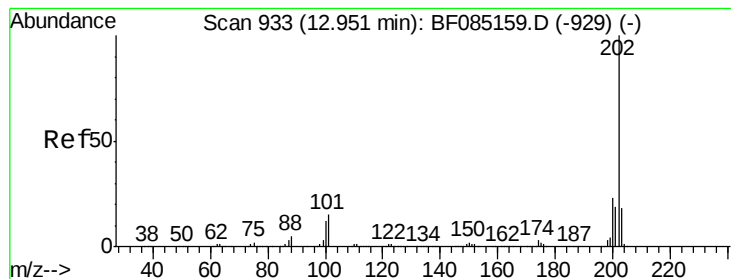
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.6	5.3	7.9
236	26.2	20.7	31.1





#77

Pyrene

Concen: 27.43 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

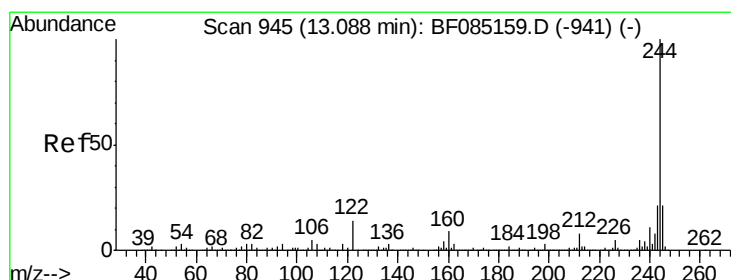
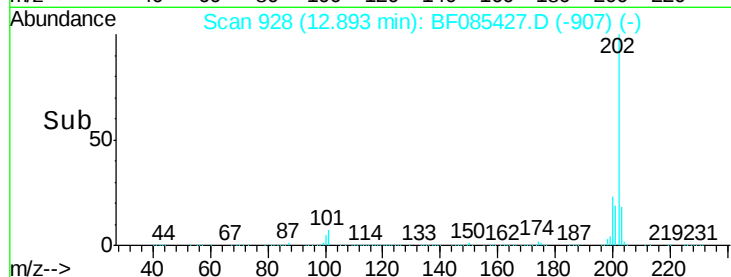
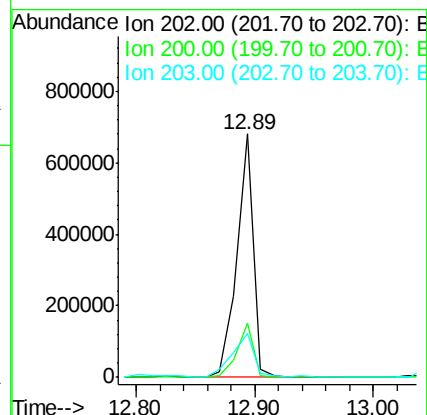
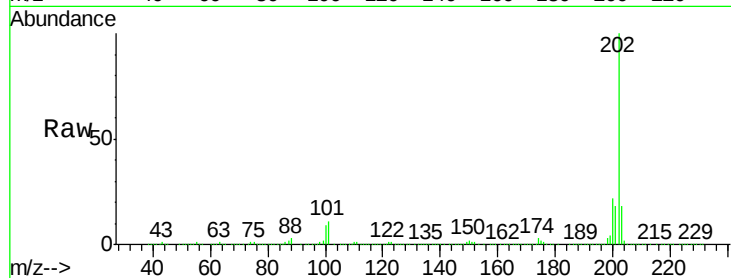
ClientSampleId :

W170TH-SB-09(0.5-3.0)

Tgt Ion:	202	Resp:	651507
Ion Ratio		Lower	Upper
202	100		
200	22.4	18.2	27.4
203	18.2	14.7	22.1

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#78

Terphenyl-d14

Concen: 106.24 ng

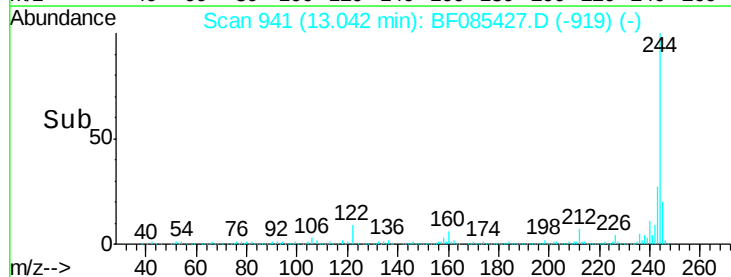
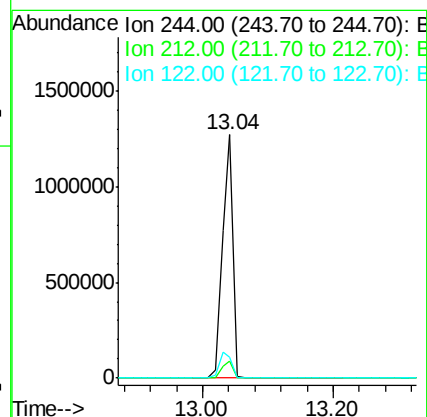
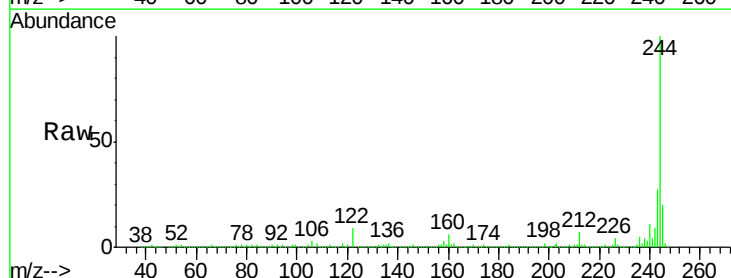
RT: 13.04 min Scan# 941

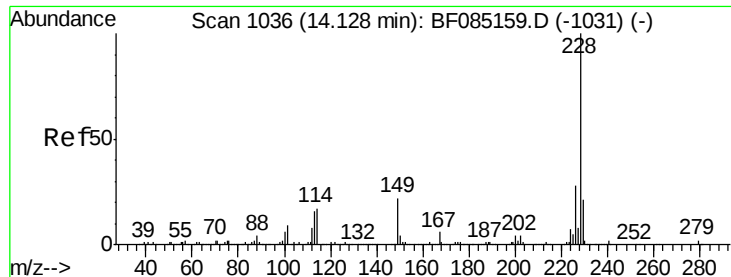
Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Tgt Ion:	244	Resp:	1444406
Ion Ratio		Lower	Upper
244	100		
212	7.0	6.4	9.6
122	8.7	11.4	17.2





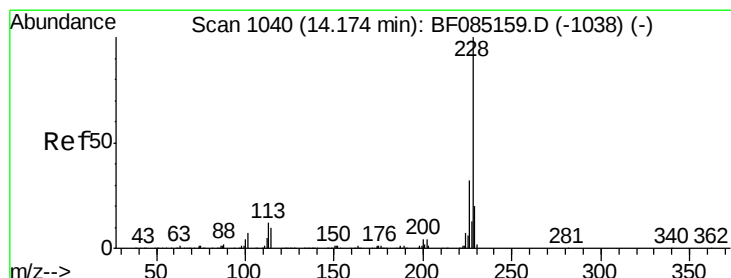
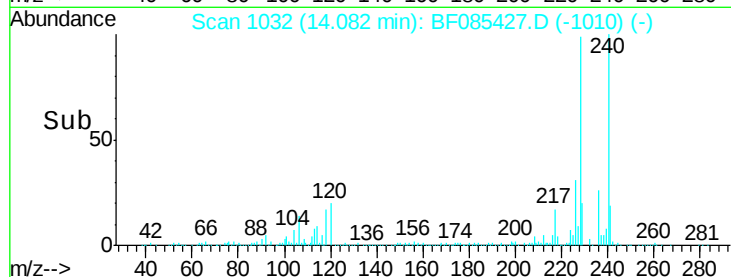
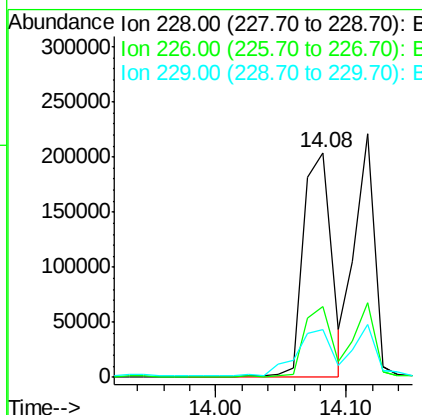
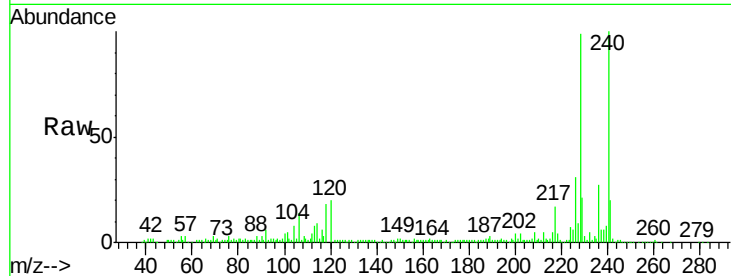
#80
Benzo(a)anthracene
Concen: 16.03 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.8	34.2
229	21.1	16.6	24.8

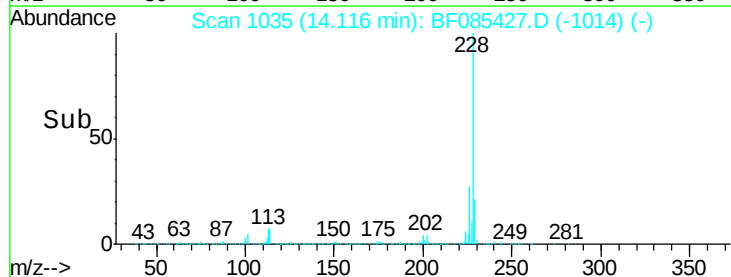
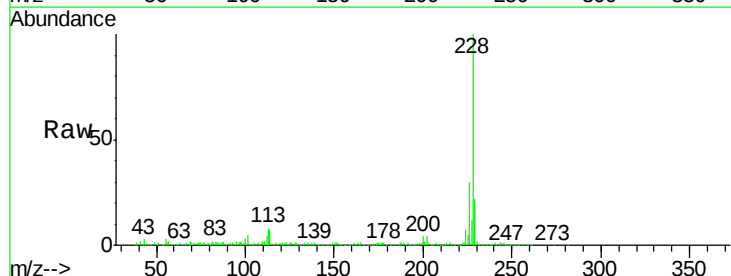
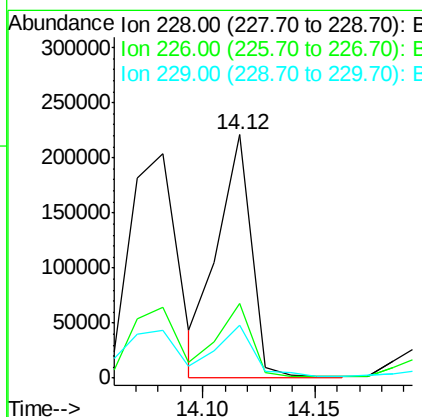
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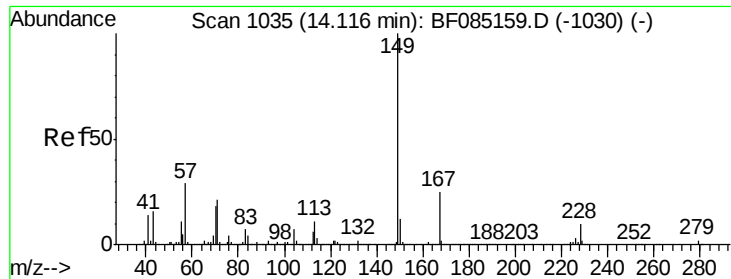
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#82
Chrysene
Concen: 13.42 ng m
RT: 14.12 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.2	37.8
229	21.7	16.0	24.0





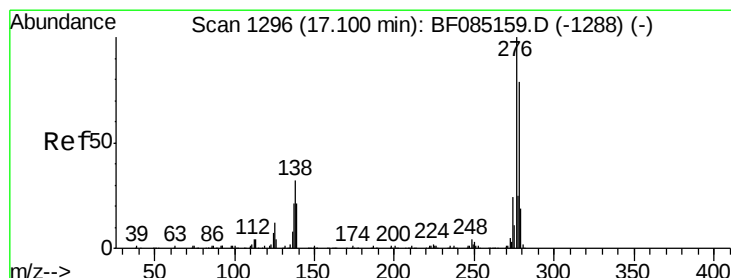
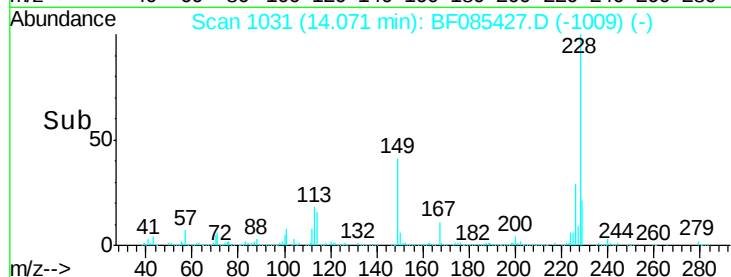
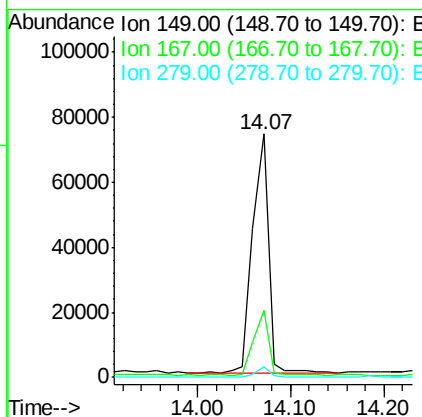
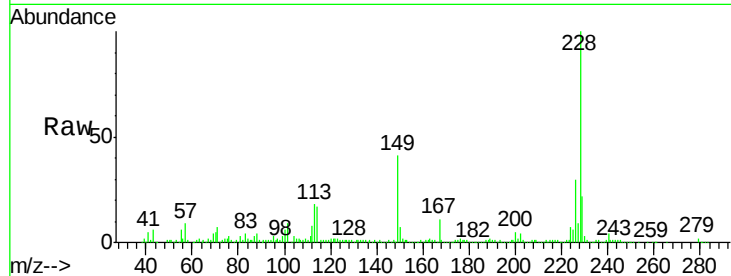
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.11 ng
 RT: 14.07 min Scan# 1031
 Delta R.T. -0.05 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Tgt Ion:	149	Resp:	86659
Ion Ratio	Lower	Upper	
149	100		
167	27.5	20.3	30.5
279	4.2	1.9	2.9#

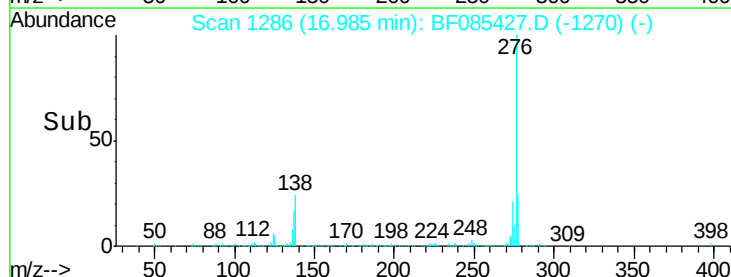
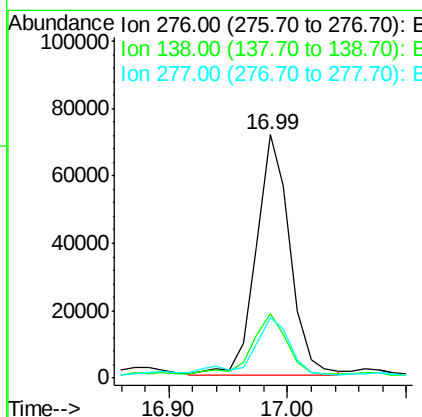
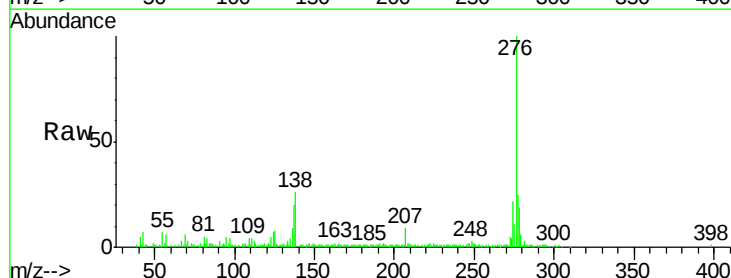
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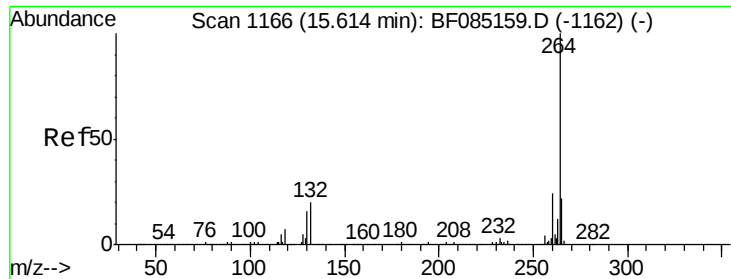
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.45 ng
 RT: 16.99 min Scan# 1286
 Delta R.T. -0.11 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion:	276	Resp:	142301
Ion Ratio	Lower	Upper	
276	100		
138	27.7	26.4	39.6
277	29.1	20.2	30.2





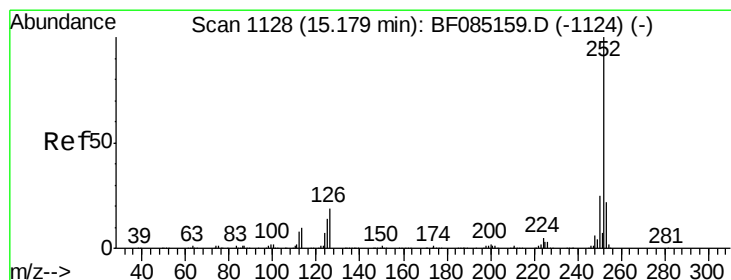
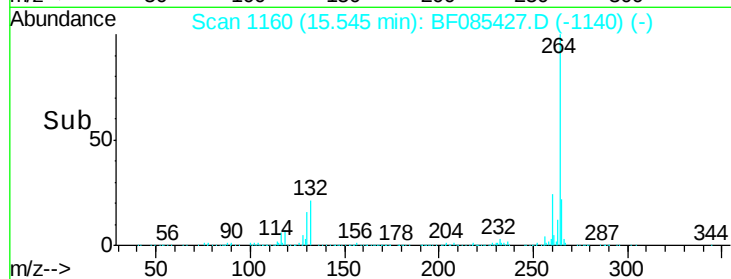
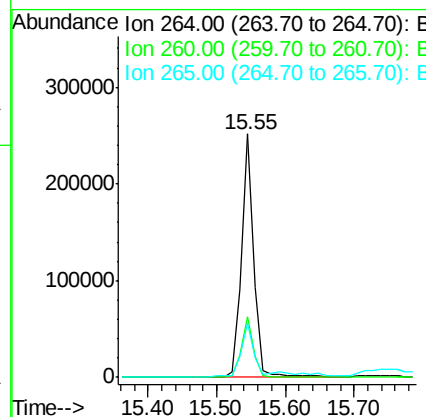
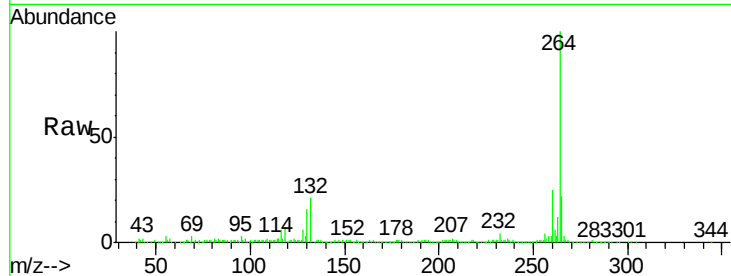
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.3	17.3	25.9

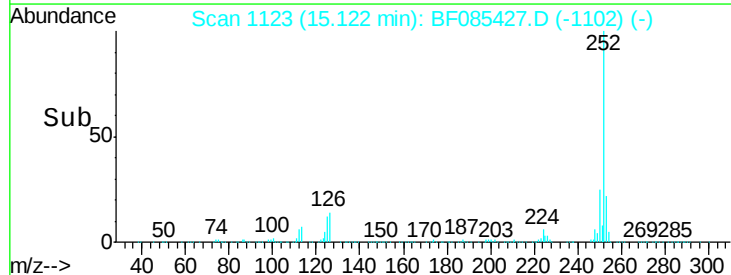
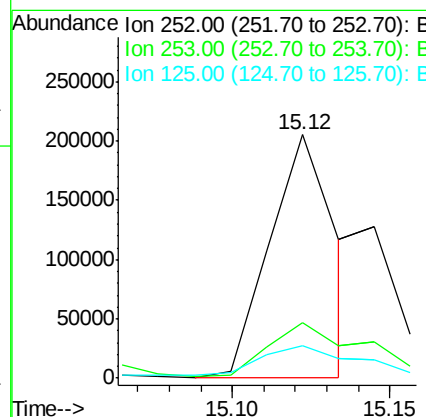
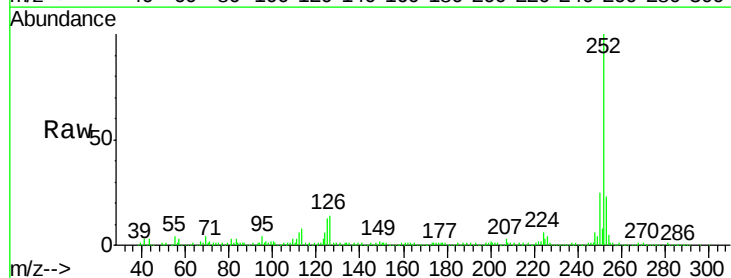
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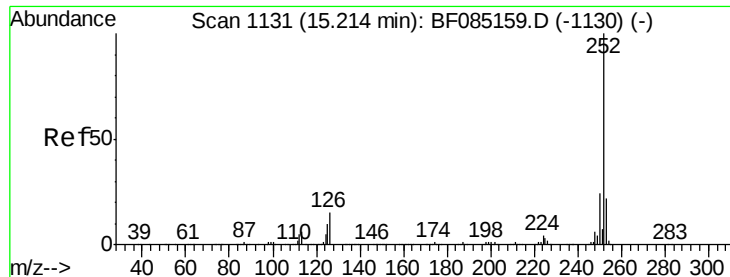
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#87
Benzo(b)fluoranthene
Concen: 14.27 ng m
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	13.1	11.3	16.9





#88

Benzo(k)fluoranthene

Concen: 7.06 ng m

RT: 15.15 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

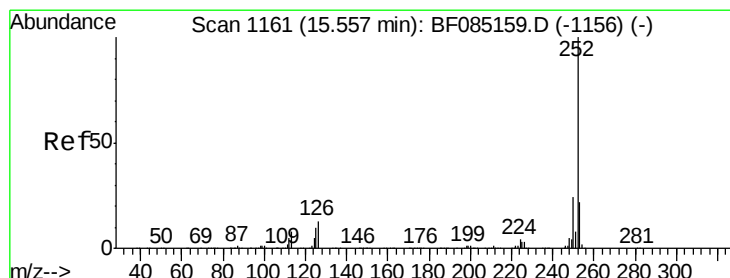
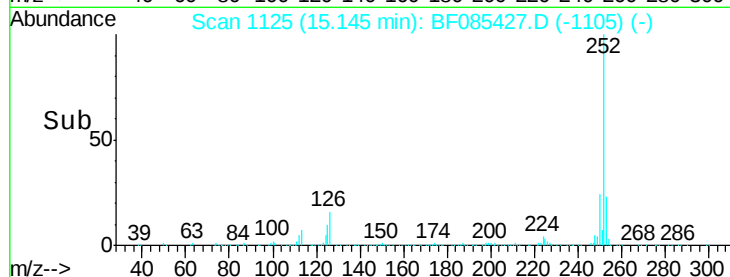
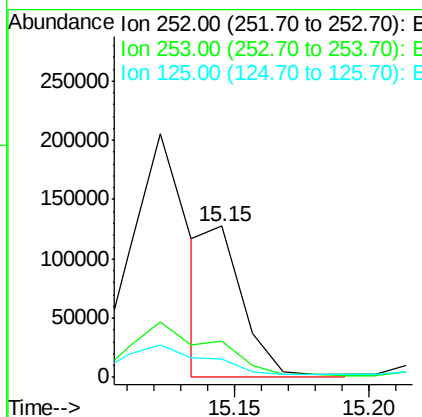
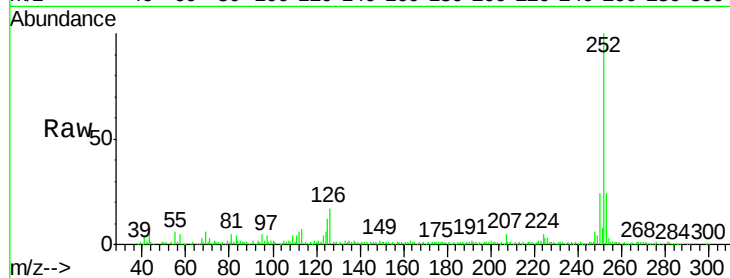
ClientSampleId :

W170TH-SB-09(0.5-3.0)

Tgt Ion:	252	Resp:	119418
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	12.1	10.4	15.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 13.00 ng

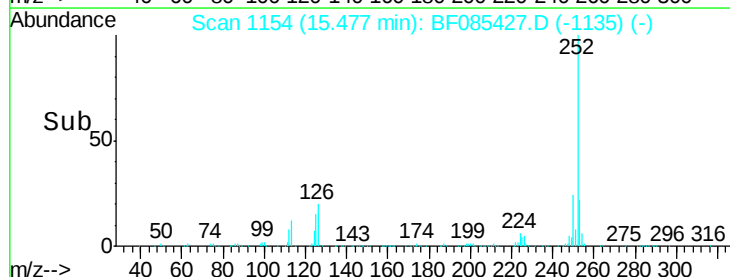
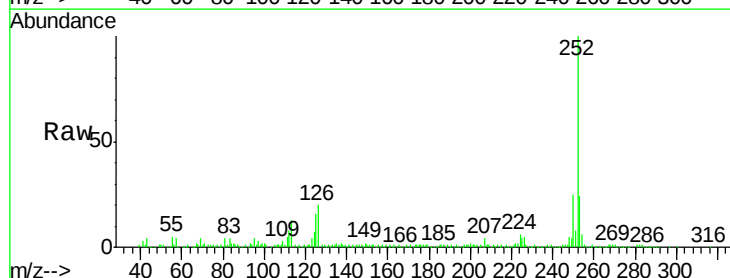
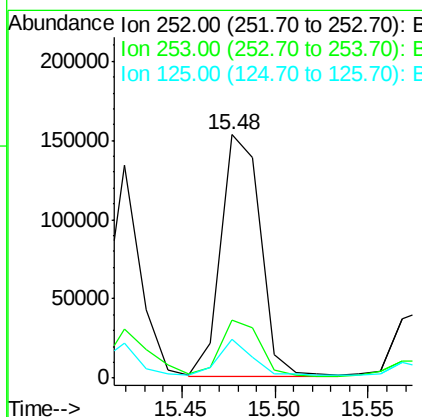
RT: 15.48 min Scan# 1154

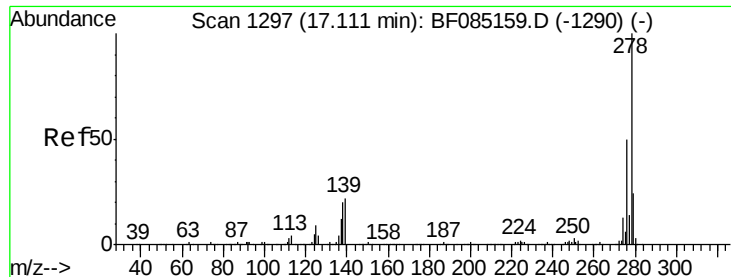
Delta R.T. -0.08 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Tgt Ion:	252	Resp:	225944
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.0
125	16.0	8.2	12.4#





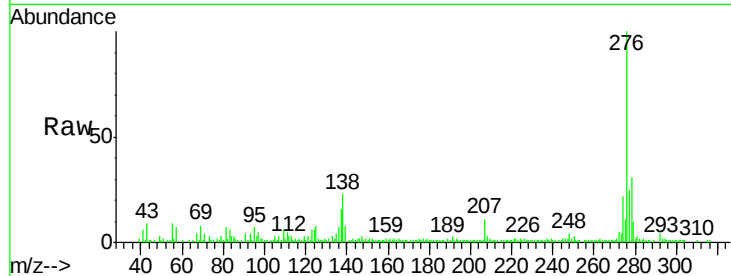
#90
Dibenzo(a,h)anthracene
Concen: 2.33 ng m
RT: 17.00 min Scan# 1287
Delta R.T. -0.11 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

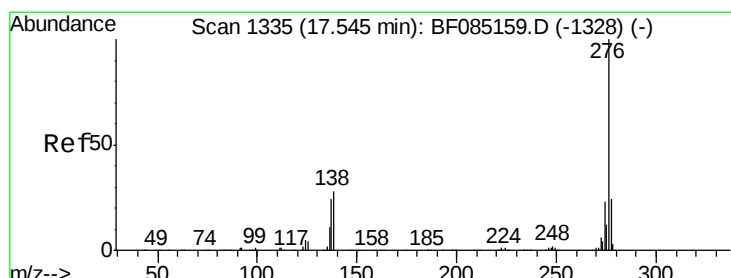
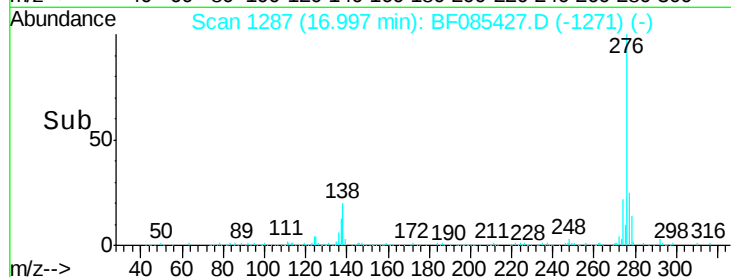
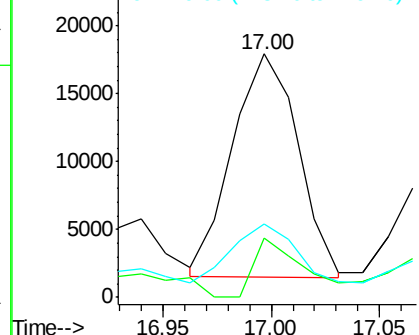
Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	17.3	25.9
279	30.4	19.2	28.8

Manual Integrations
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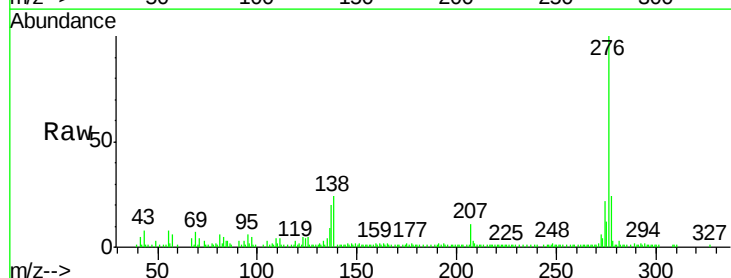


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.81 ng
RT: 17.43 min Scan# 1325
Delta R.T. -0.11 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.4
138	23.9	22.5	33.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

