

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085447.D
 Acq On : 15 Mar 2016 1:08
 Operator : UM/SJ
 Sample : H1730-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Manual Integrations
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Quant Time: Mar 15 04:09:14 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	166584	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	649960	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	285345	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	449893	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	275827	20.00	ng	-0.07
86) Perylene-d12	15.55	264	283271	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1132287	114.01	ng	-0.06
7) Phenol-d6	6.55	99	1495072	114.91	ng	-0.06
23) Nitrobenzene-d5	7.49	82	855323	70.42	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	301359	123.43	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	1233854	65.76	ng	-0.07
78) Terphenyl-d14	13.03	244	764883	64.37	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.68	163	330730	15.10	ng	99
70) Phenanthrene	11.48	178	80547	3.42	ng	96
74) Fluoranthene	12.65	202	165820	7.01	ng	95
77) Pyrene	12.88	202	147243	7.09	ng	98
80) Benzo(a)anthracene	14.07	228	85654	5.19	ng	97
82) Chrysene	14.11	228	61339m	4.02	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	42267	3.55	ng	# 90
87) Benzo(b)fluoranthene	15.12	252	103589m	5.49	ng	
88) Benzo(k)fluoranthene	15.15	252	34804m	2.29	ng	
89) Benzo(a)pyrene	15.48	252	73424	4.69	ng	# 93
91) Benzo(g,h,i)perylene	17.42	276	40984	3.05	ng	97

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

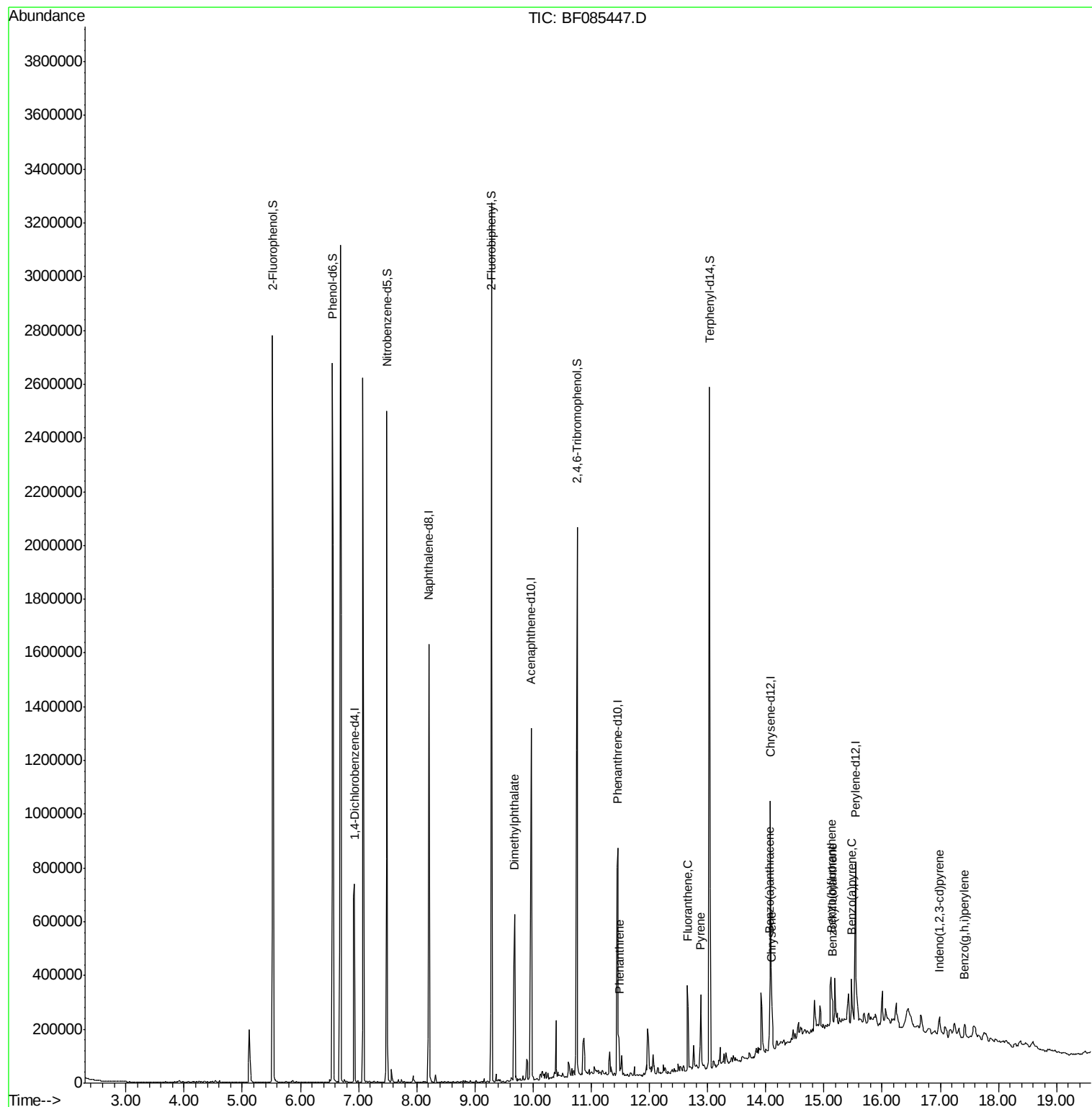
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085447.D
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Operator : UM/SJ
Sample : H1730-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

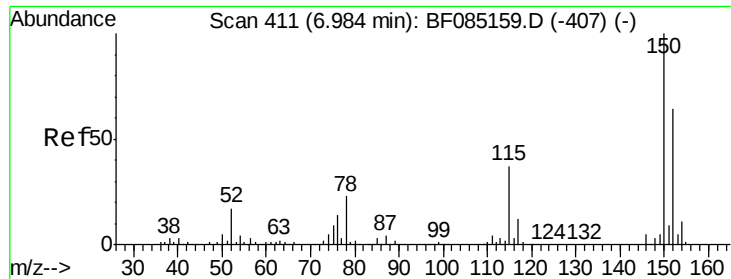
Instrument :
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ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

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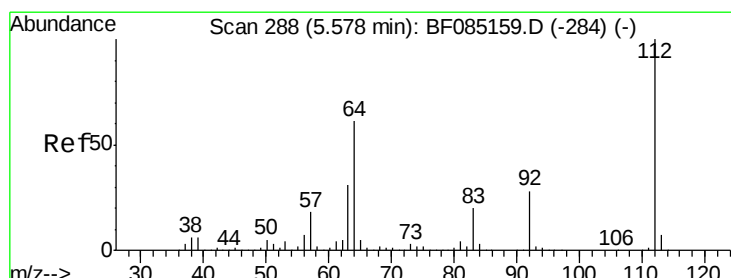
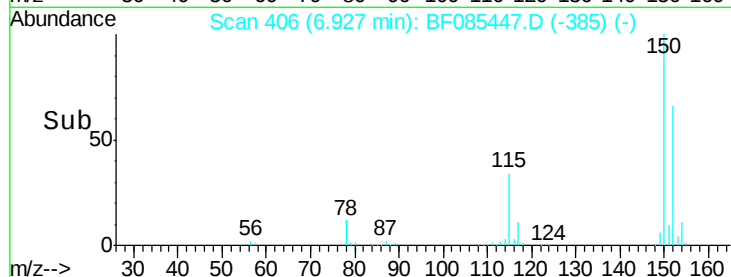
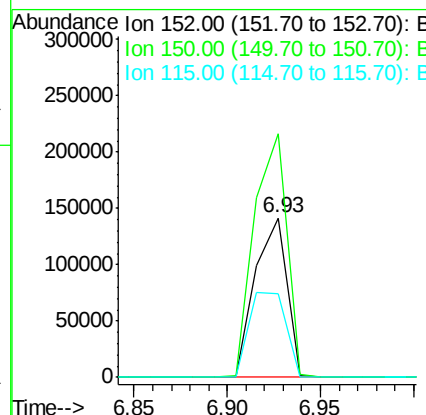
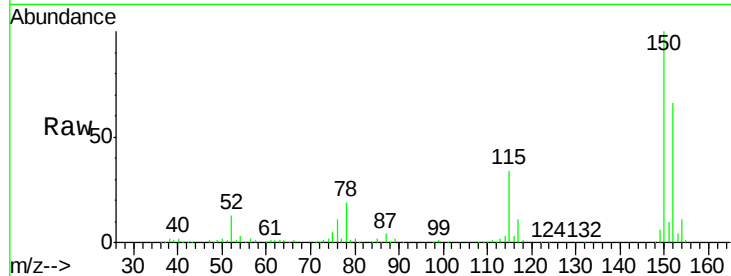
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	166584		
150	152.6	124.6	186.8	
115	52.4	46.6	70.0	

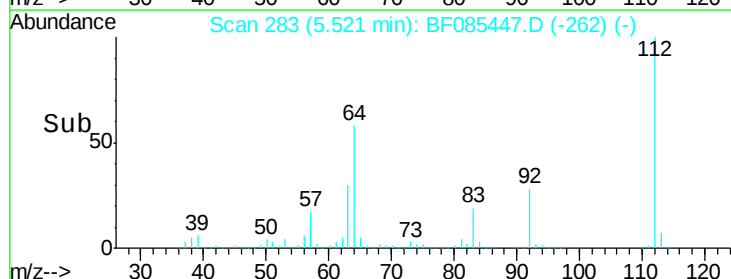
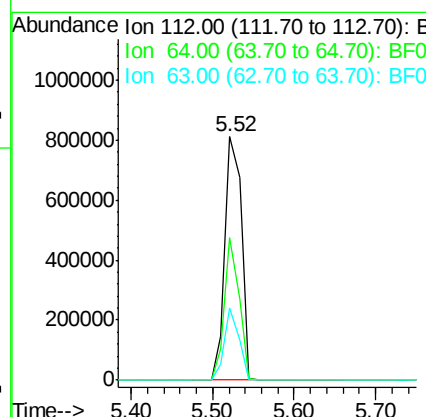
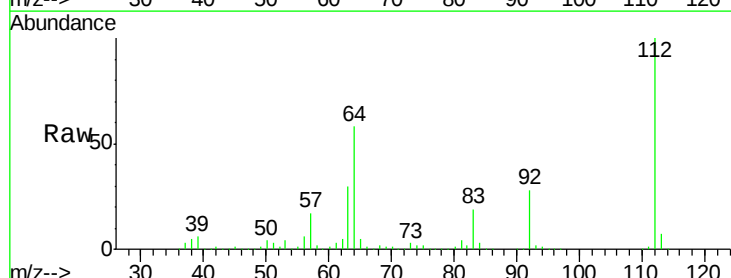
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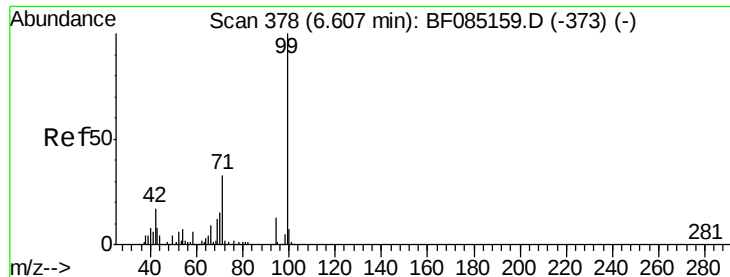
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#5
 2-Fluorophenol
 Concen: 114.01 ng
 RT: 5.52 min Scan# 283
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1132287		
64	58.5	49.0	73.4	
63	29.5	24.8	37.2	





#7

Phenol-d6

Concen: 114.91 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF085447.D

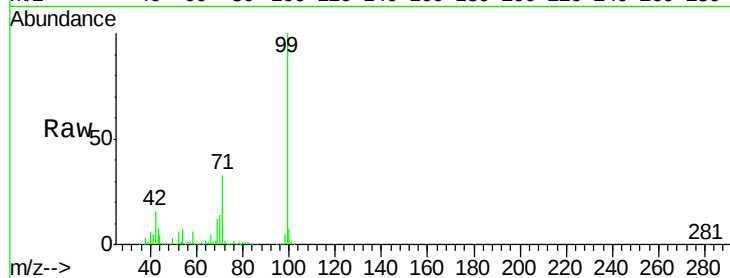
Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)



Tgt Ion: 99 Resp: 1495072

Ion Ratio Lower Upper

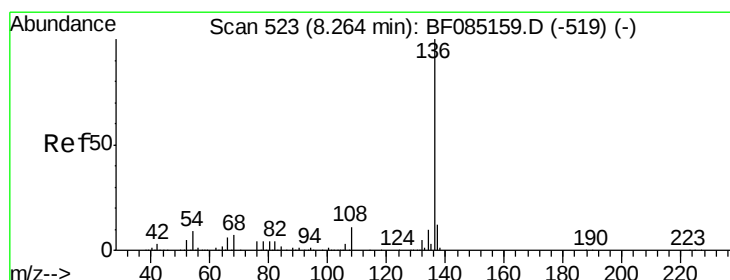
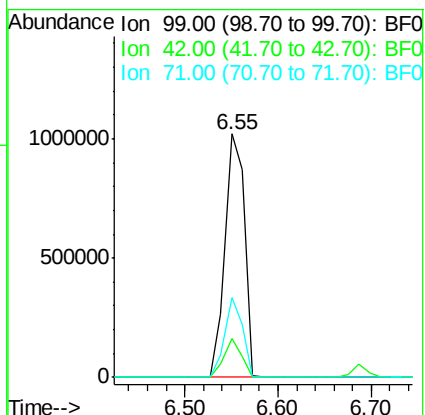
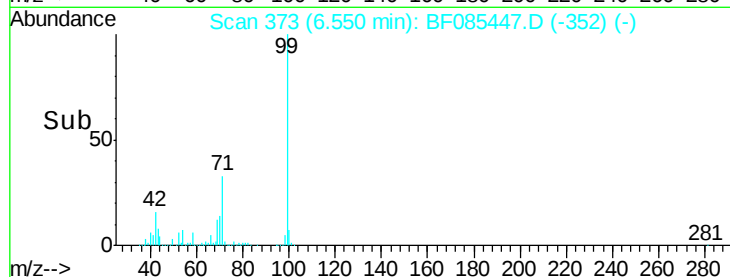
99 100

42 16.1 13.6 20.4

71 33.0 26.7 40.1

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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: BF085447.D

Acq: 15 Mar 2016 1:08

Tgt Ion: 136 Resp: 649960

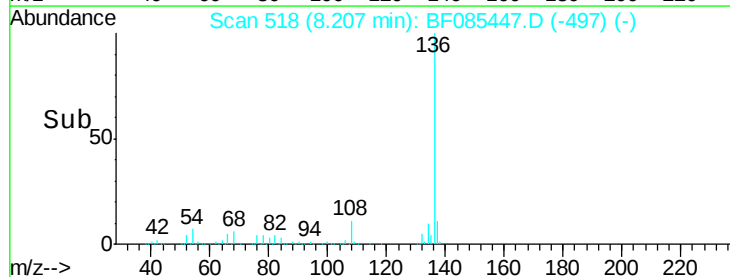
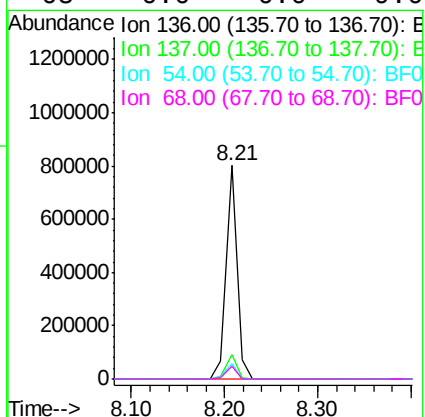
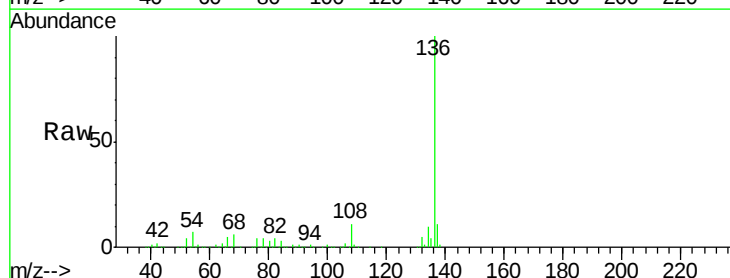
Ion Ratio Lower Upper

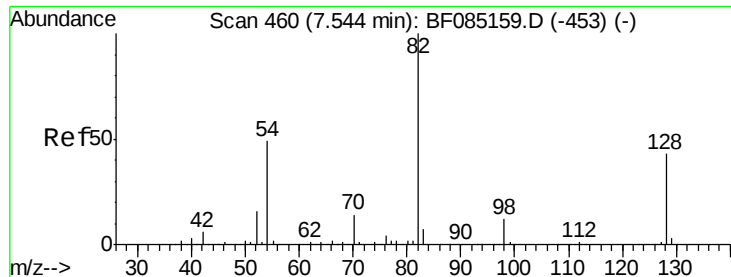
136 100

137 11.4 9.3 13.9

54 7.2 7.4 11.2#

68 6.0 6.0 9.0





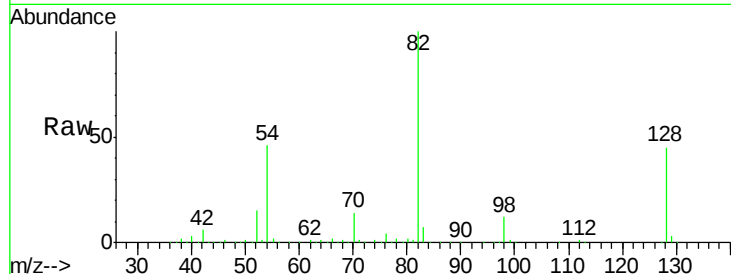
#23
 Nitrobenzene-d5
 Concen: 70.42 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

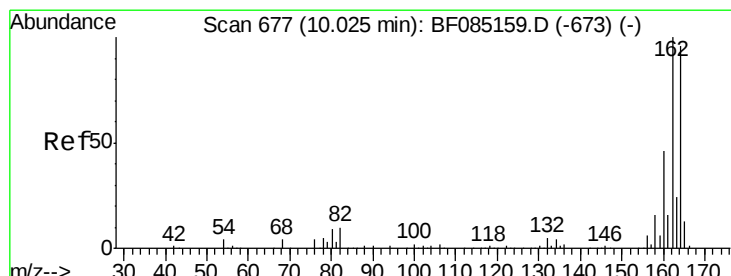
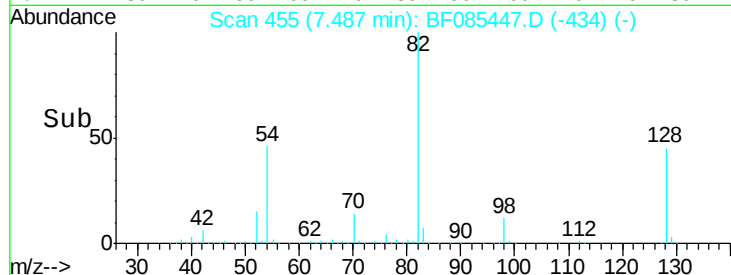
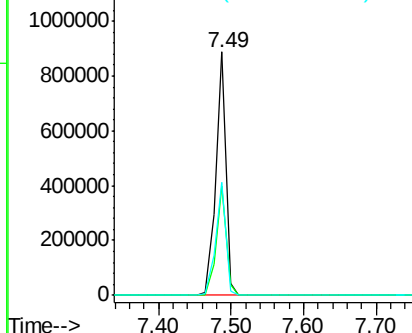
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.5	51.7
54	46.3	39.3	58.9

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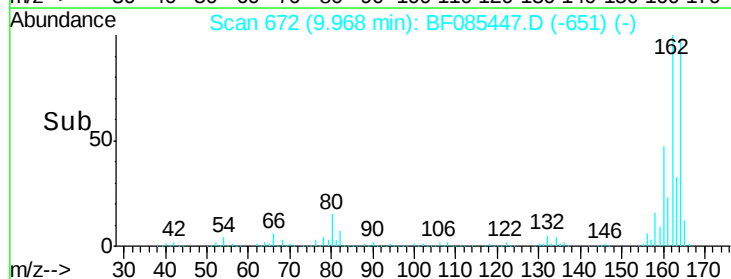
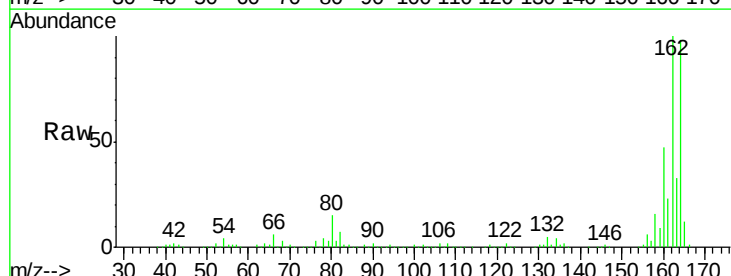
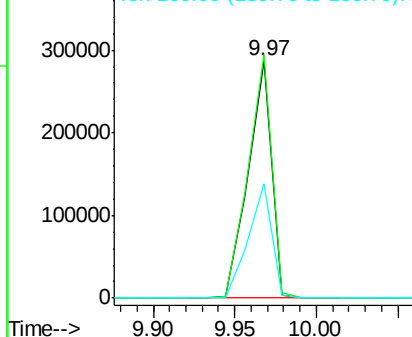
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

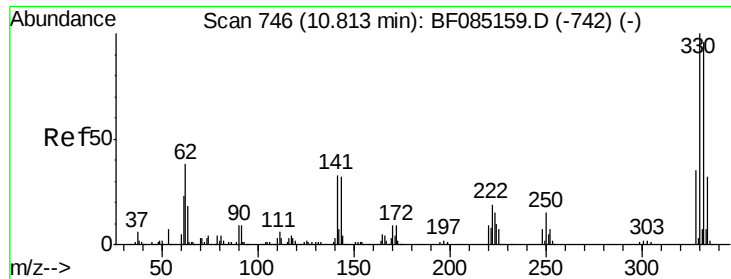


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.3	124.9
160	47.9	37.9	56.9

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





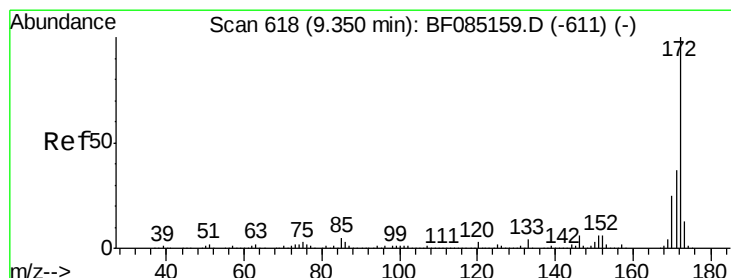
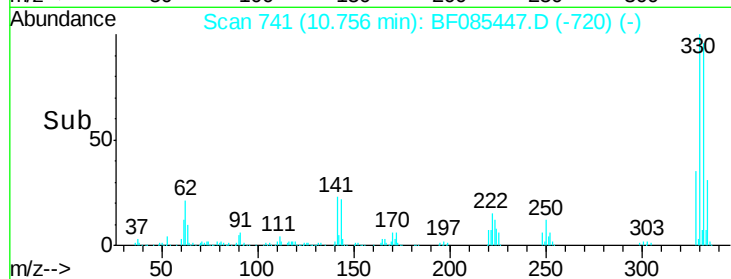
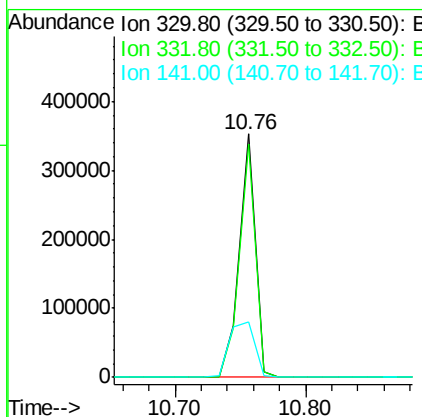
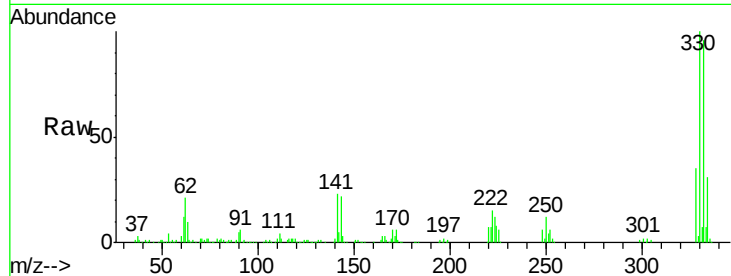
#41
 2,4,6-Tribromophenol
 Concen: 123.43 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	301359		
332	95.6	77.1	115.7	
141	36.6	35.0	52.6	

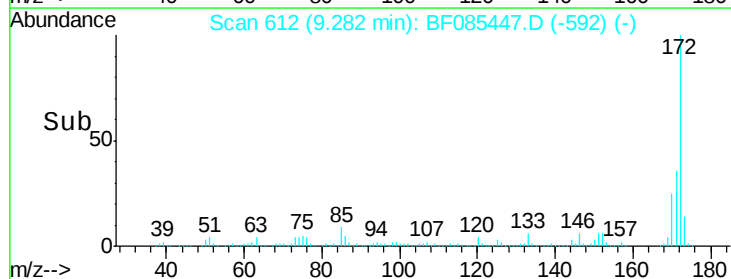
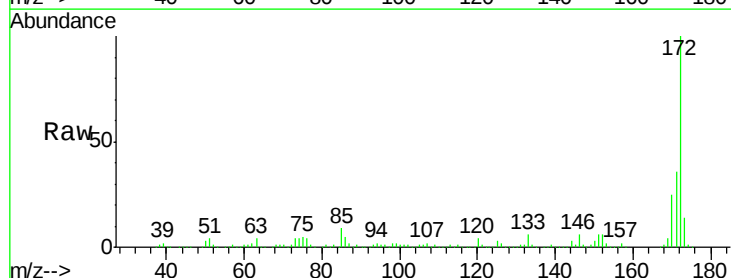
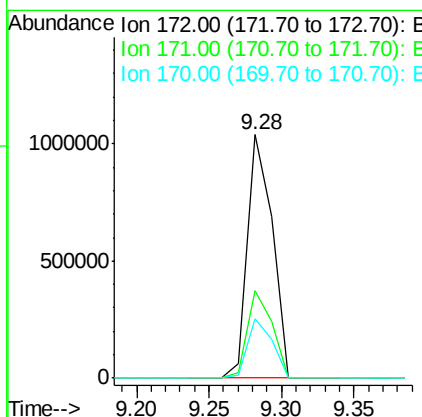
Manual Integrations
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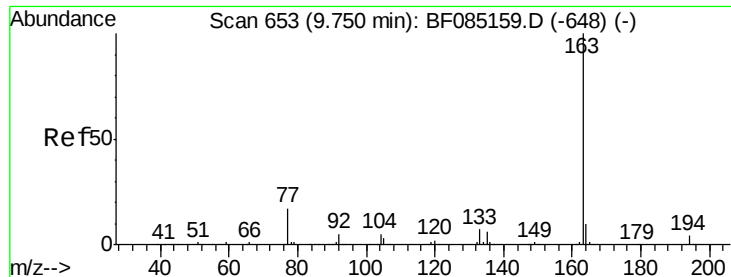
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#44
 2-Fluorobiphenyl
 Concen: 65.76 ng
 RT: 9.28 min Scan# 612
 Delta R.T. -0.07 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1233854		
171	36.1	29.3	43.9	
170	24.6	20.0	30.0	





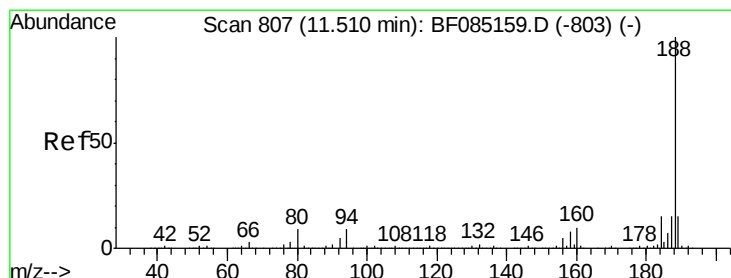
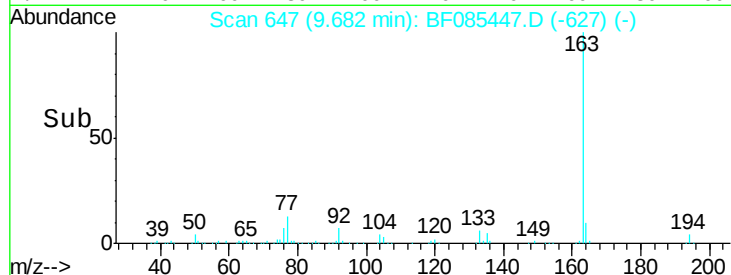
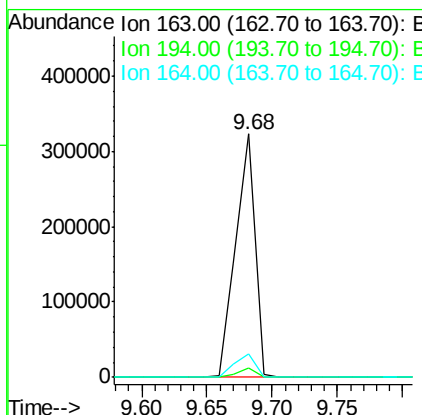
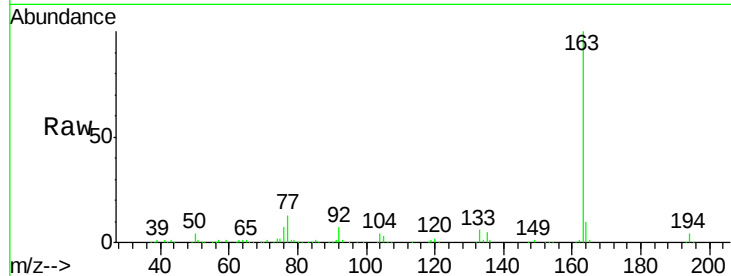
#49
Dimethylphthalate
Concen: 15.10 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.7	3.1	4.7
164	9.7	8.2	12.4

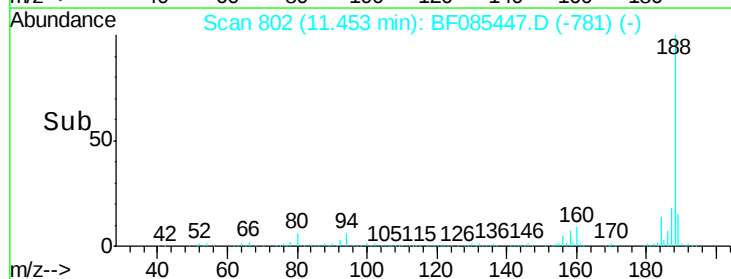
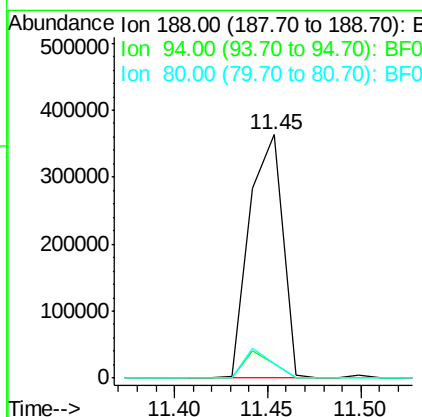
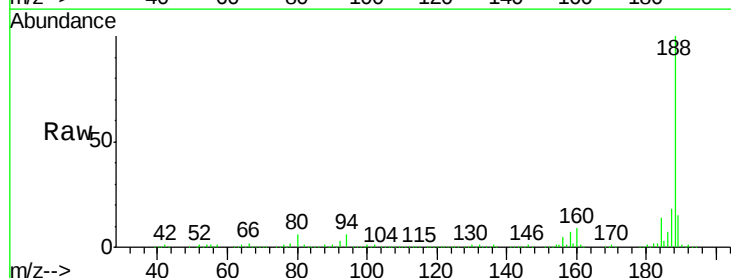
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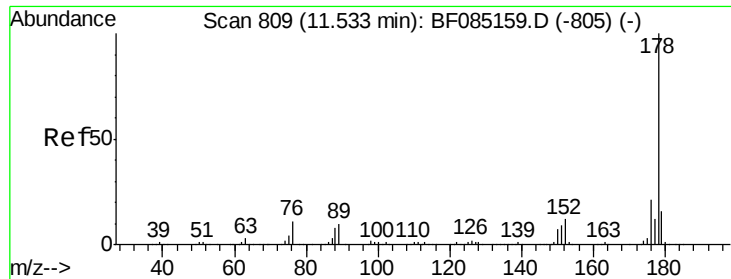
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.06 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.9	7.0	10.6#
80	5.9	7.4	11.0#





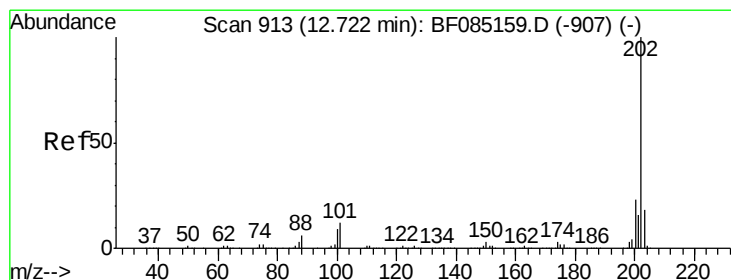
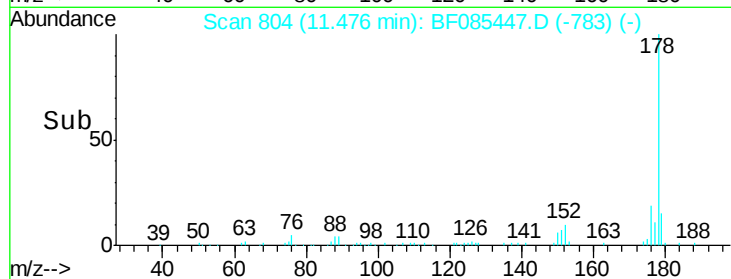
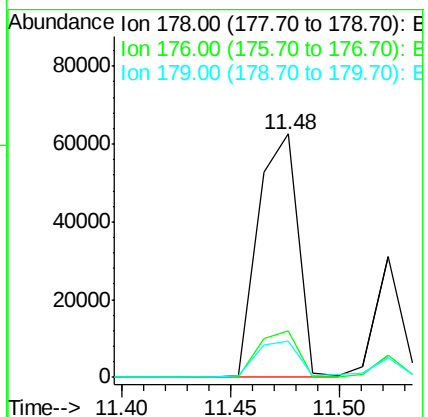
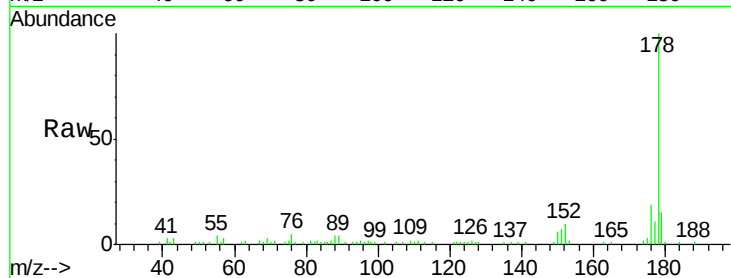
#70
Phenanthrene
Concen: 3.42 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.06 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.8	25.2
179	15.0	13.1	19.7

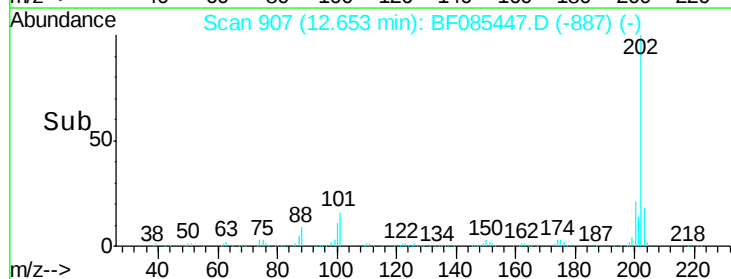
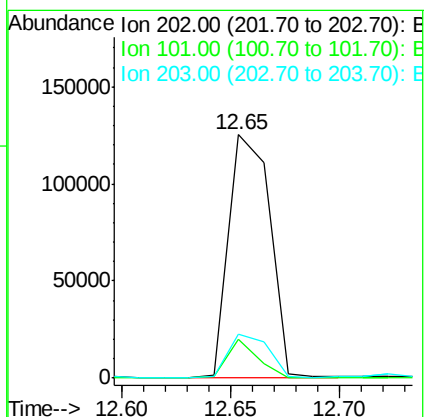
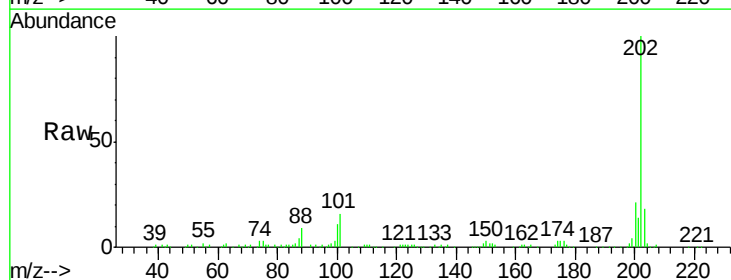
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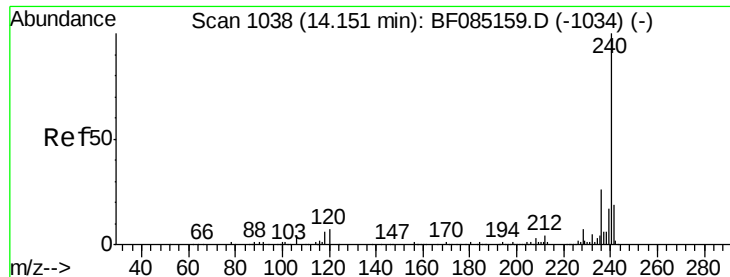
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#74
Fluoranthene
Concen: 7.01 ng
RT: 12.65 min Scan# 907
Delta R.T. -0.07 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	31.8
203	18.0	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:240 Resp: 275827
Ion Ratio Lower Upper

240 100

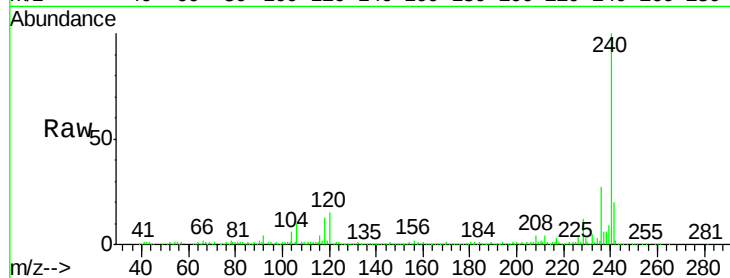
120 15.5 5.3 7.9#

236 26.9 20.7 31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

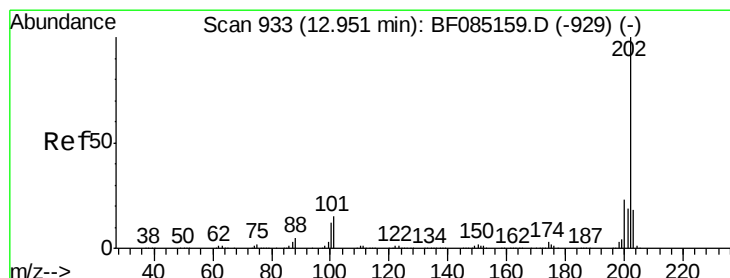
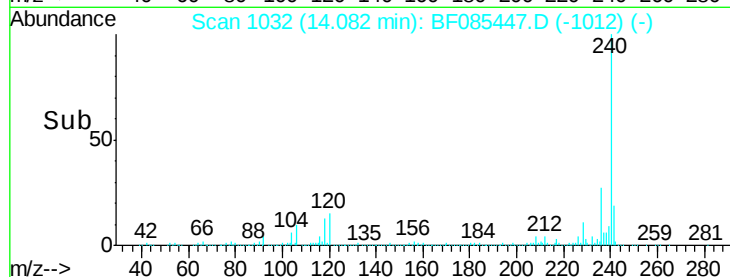
14.08

300000

200000

100000

Time--> 14.00 14.10 14.20



#77

Pyrene

Concen: 7.09 ng

RT: 12.88 min Scan# 927

Delta R.T. -0.07 min

Lab File: BF085447.D

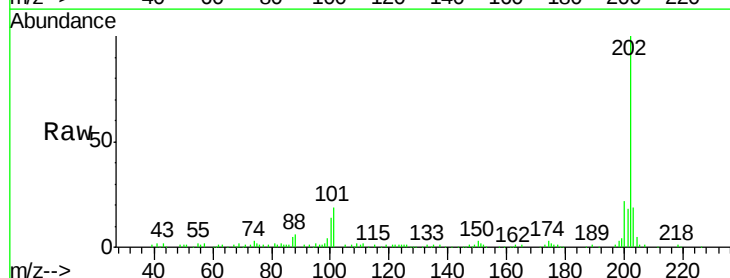
Acq: 15 Mar 2016 1:08

Tgt Ion:202 Resp: 147243
Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.4

203 19.0 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

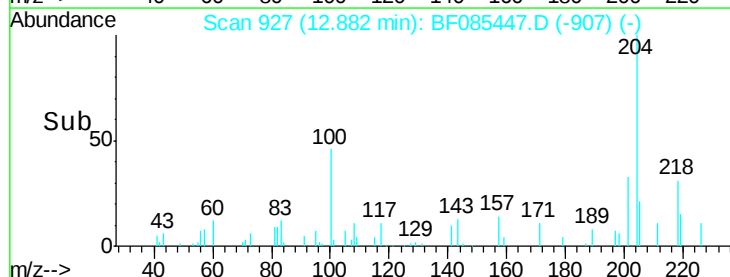
12.88

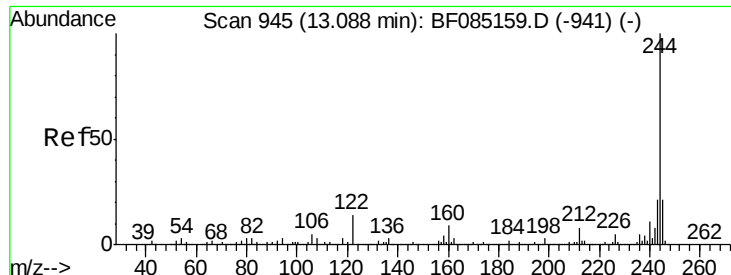
150000

100000

50000

Time--> 12.80 12.90 13.00





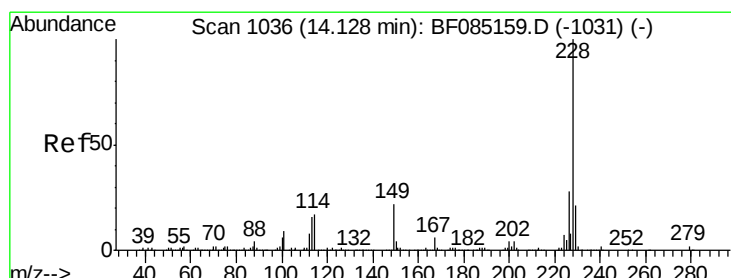
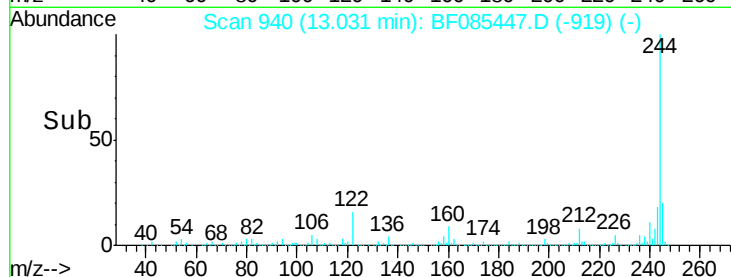
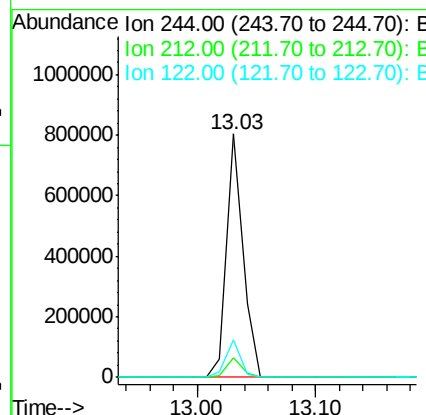
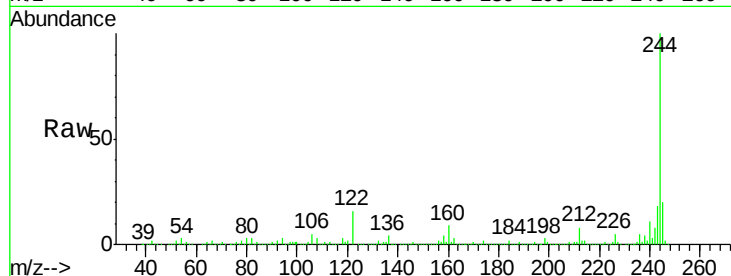
#78
 Terphenyl-d14
 Concen: 64.37 ng
 RT: 13.03 min Scan# 940
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	764883		
212	7.9	6.4	9.6	
122	15.6	11.4	17.2	

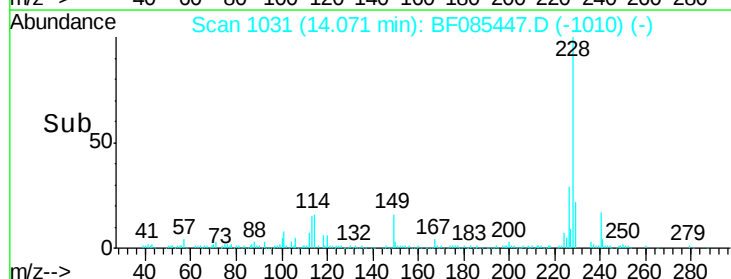
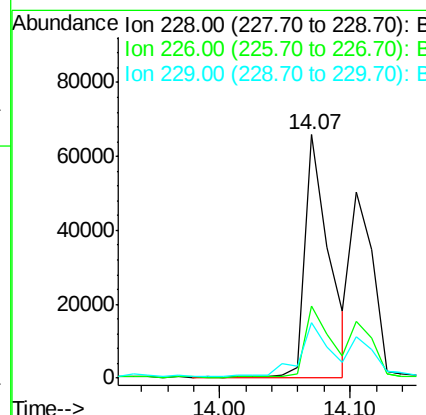
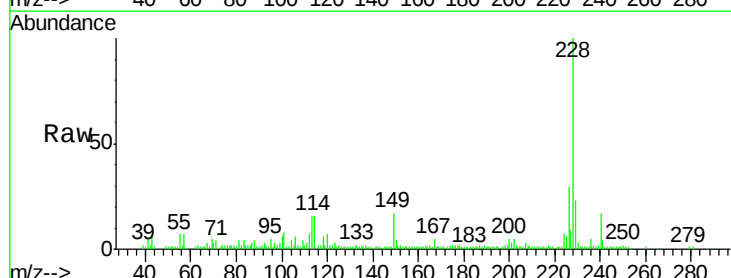
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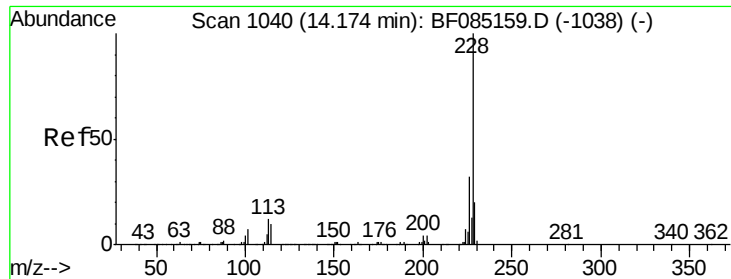
Sohil
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#80
 Benzo(a)anthracene
 Concen: 5.19 ng
 RT: 14.07 min Scan# 1031
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	85654		
226	29.7	22.8	34.2	
229	22.5	16.6	24.8	





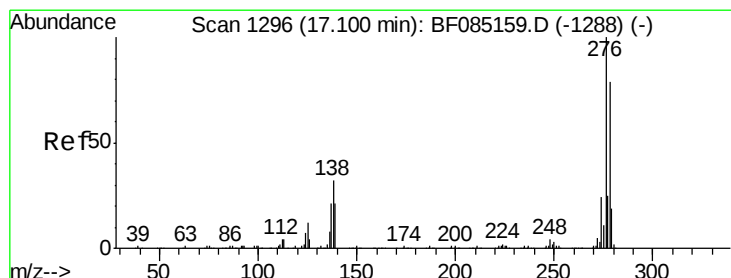
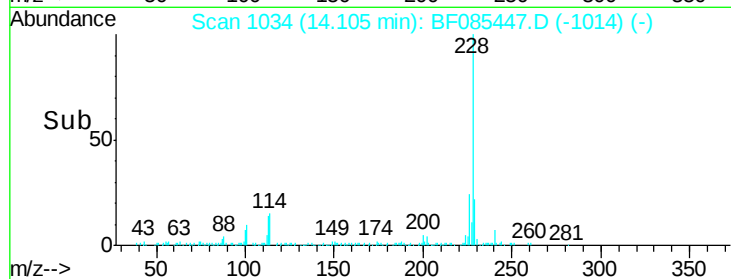
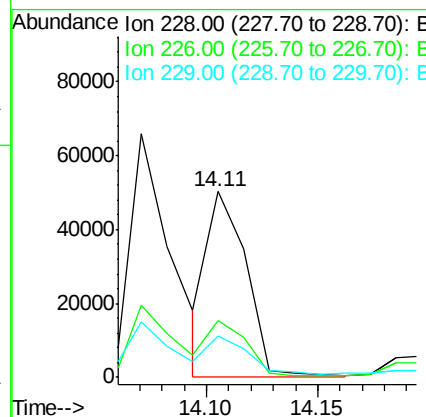
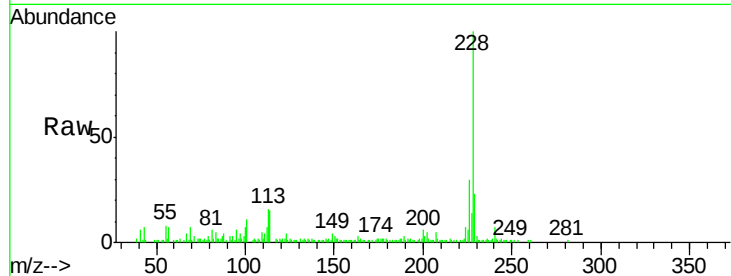
#82
Chrysene
Concen: 4.02 ng m
RT: 14.11 min Scan# 1034
Delta R.T. -0.07 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.2	37.8
229	22.5	16.0	24.0

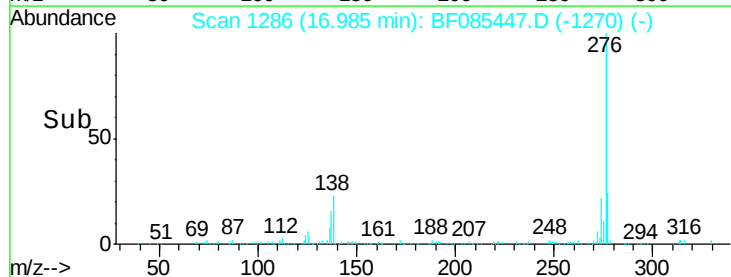
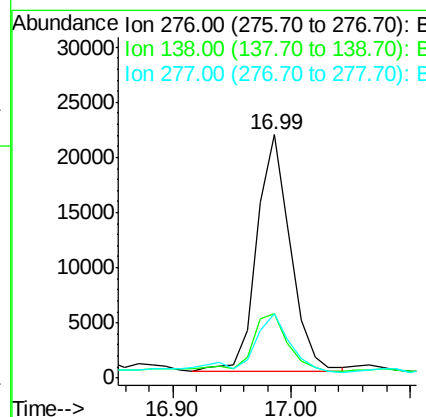
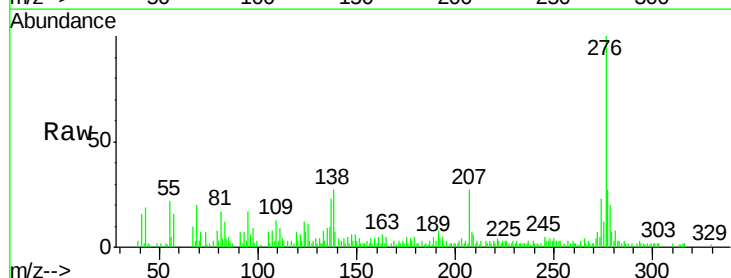
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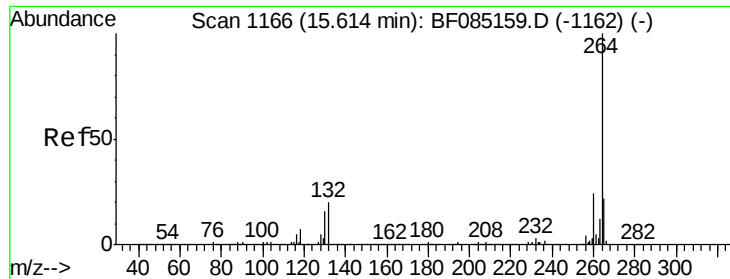
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.55 ng
RT: 16.99 min Scan# 1286
Delta R.T. -0.11 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	26.4	39.6
277	31.3	20.2	30.2





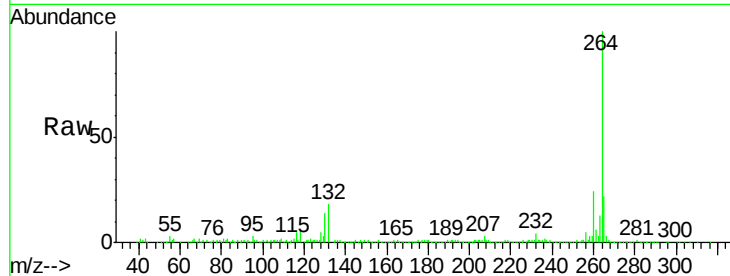
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

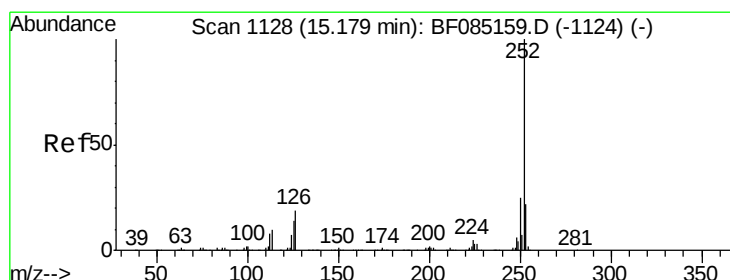
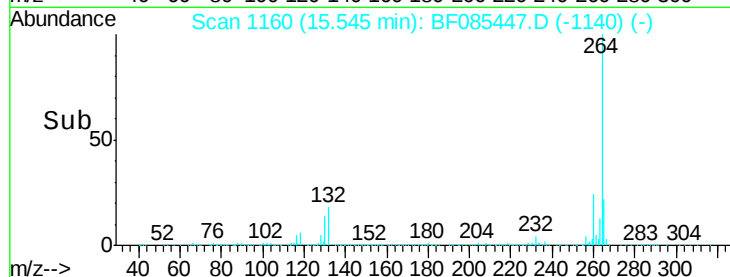
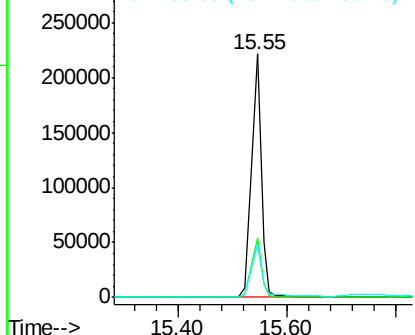
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	283271		
260	24.5	19.2	28.8	
265	22.0	17.3	25.9	

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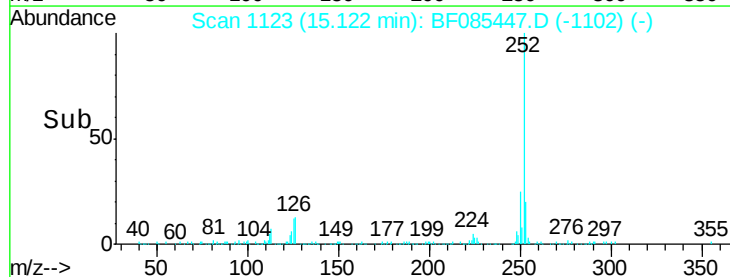
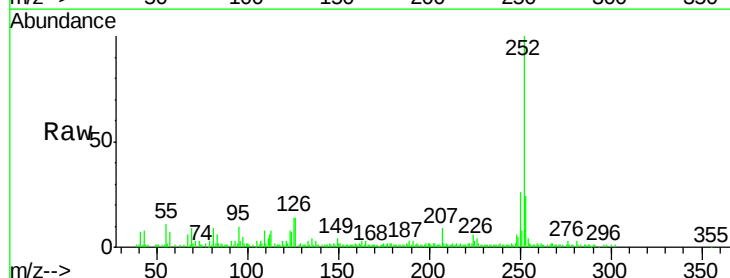
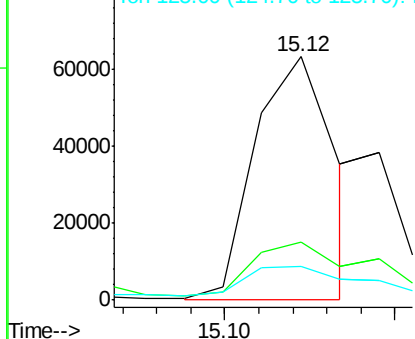
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

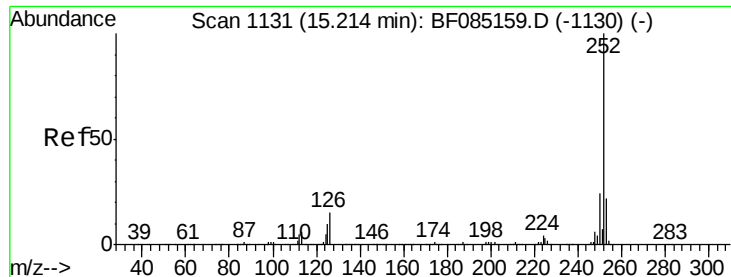


#87
Benzo(b)fluoranthene
Concen: 5.49 ng m
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	103589		
253	23.7	17.8	26.6	
125	14.1	11.3	16.9	

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: 2.29 ng m

RT: 15.15 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

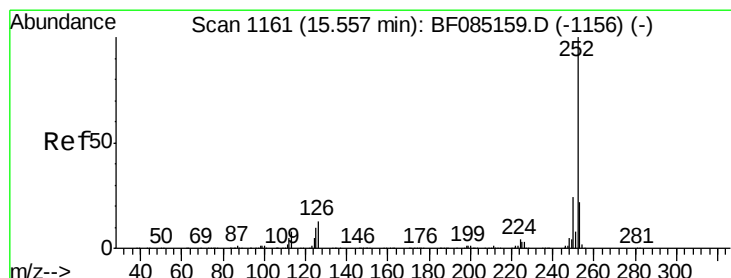
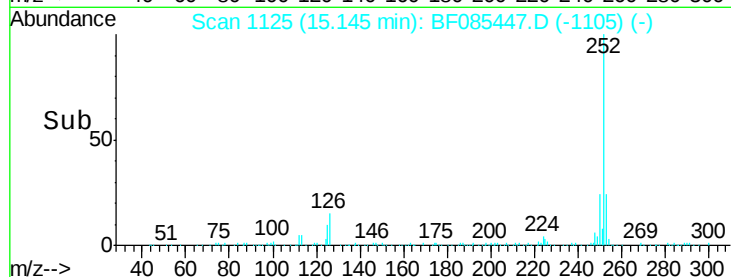
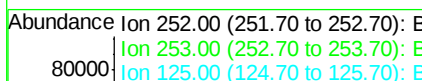
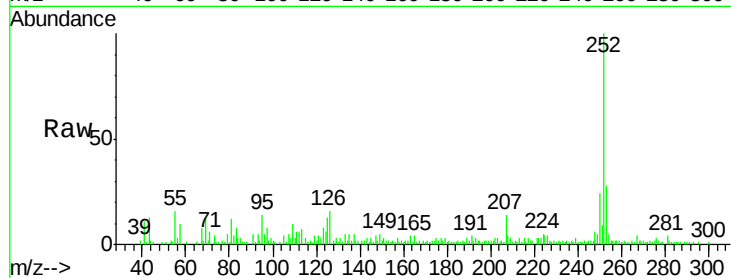
ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:	252	Resp:	34804
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.8	26.6#
125	13.0	10.4	15.6

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#89

Benzo(a)pyrene

Concen: 4.69 ng

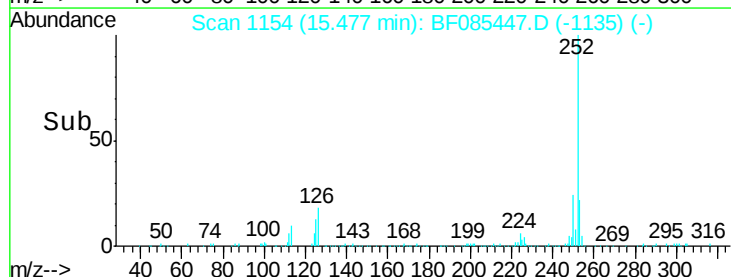
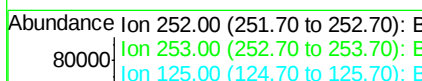
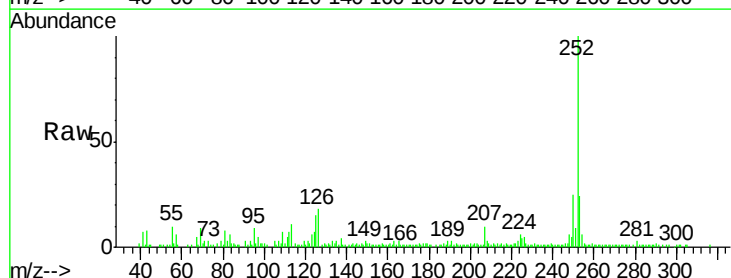
RT: 15.48 min Scan# 1154

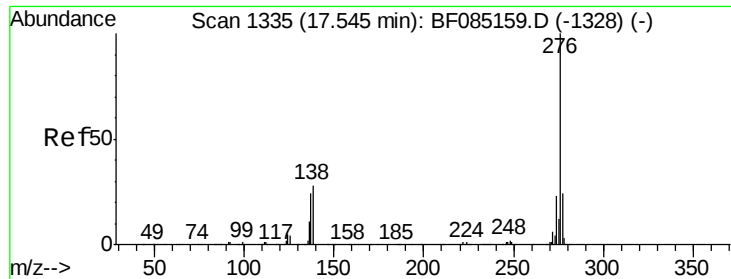
Delta R.T. -0.08 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Tgt Ion:	252	Resp:	73424
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.0
125	14.5	8.2	12.4#





#91

Benzo(g,h,i)perylene

Concen: 3.05 ng

RT: 17.42 min Scan# 1324

Delta R.T. -0.13 min

Lab File: BF085447.D

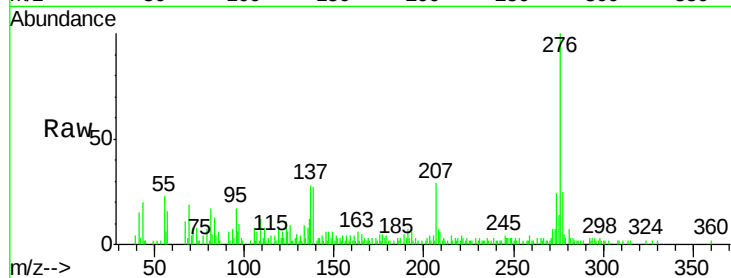
Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	26.8	22.5	33.7

Manual Integrations
APPROVED

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