

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085449.D
 Acq On : 15 Mar 2016 2:04
 Operator : UM/SJ
 Sample : H1730-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

Manual Integrations
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Quant Time: Mar 15 04:15:35 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	173378	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	667427	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	319137	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	539315	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	331415	20.00	ng	-0.06
86) Perylene-d12	15.55	264	287326	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1642833	158.94	ng	-0.03
7) Phenol-d6	6.56	99	1738657	128.39	ng	-0.05
23) Nitrobenzene-d5	7.49	82	1172894	94.04	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	392737	143.82	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1821863	86.82	ng	-0.06
78) Terphenyl-d14	13.04	244	1286384	90.11	ng	-0.05
Target Compounds						
49) Dimethylphthalate	9.68	163	415884	16.98	ng	Qvalue 99
70) Phenanthrene	11.48	178	103090	3.65	ng	96
74) Fluoranthene	12.66	202	234372	8.26	ng	96
77) Pyrene	12.89	202	221810	8.89	ng	98
80) Benzo(a)anthracene	14.08	228	108221	5.45	ng	97
82) Chrysene	14.12	228	93470m	5.10	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	41835	2.92	ng	# 92
87) Benzo(b)fluoranthene	15.12	252	103861m	5.42	ng	
88) Benzo(k)fluoranthene	15.13	252	43806m	2.84	ng	
89) Benzo(a)pyrene	15.49	252	76826	4.84	ng	# 96
91) Benzo(g,h,i)perylene	17.43	276	37332	2.74	ng	96

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

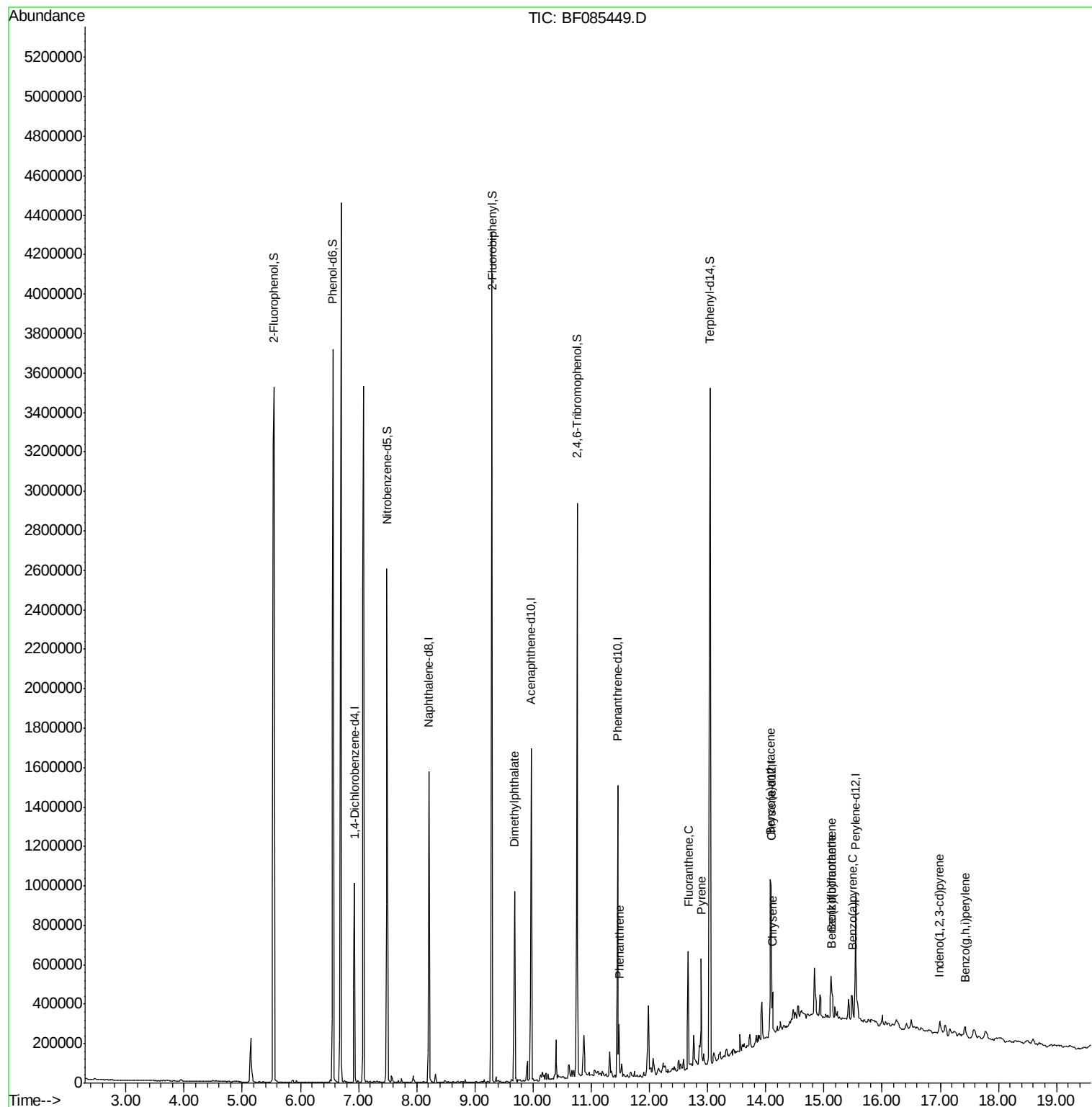
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085449.D
Acq On : 15 Mar 2016 2:04
Operator : UM/SJ
Sample : H1730-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

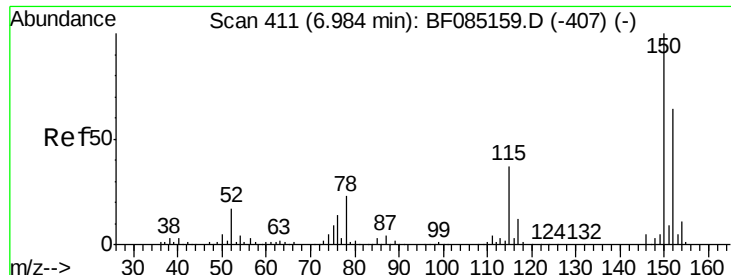
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

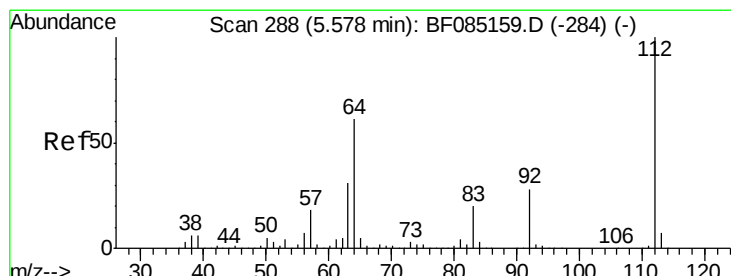
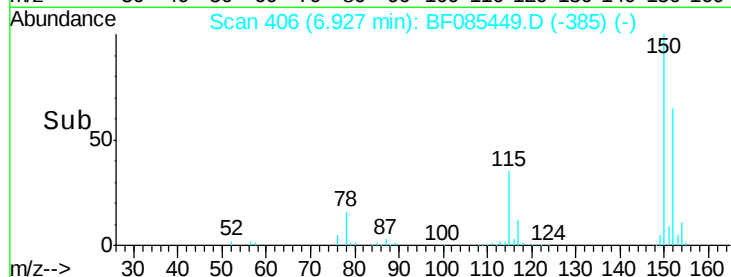
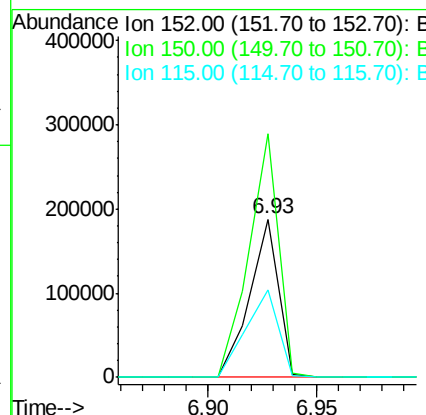
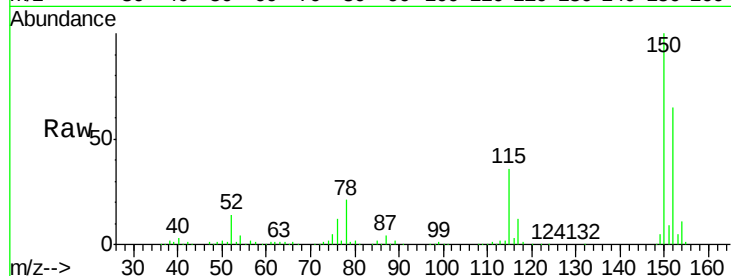
ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion:	152	Resp:	173378
Ion Ratio	Lower	Upper	
152	100		
150	154.1	124.6	186.8
115	55.0	46.6	70.0

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#5

2-Fluorophenol

Concen: 158.94 ng

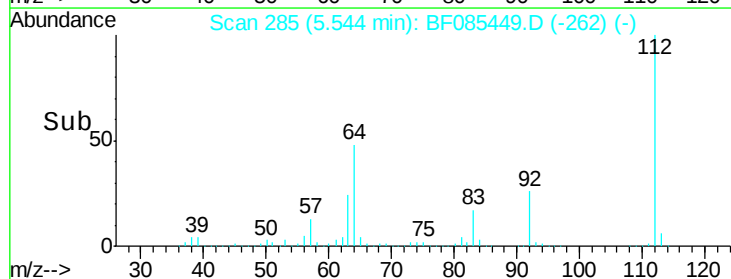
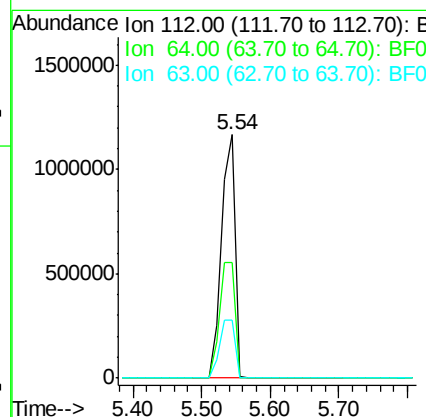
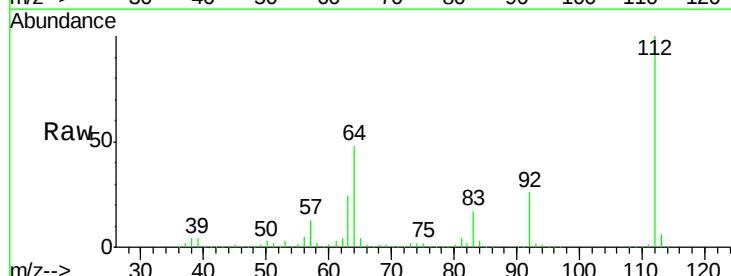
RT: 5.54 min Scan# 285

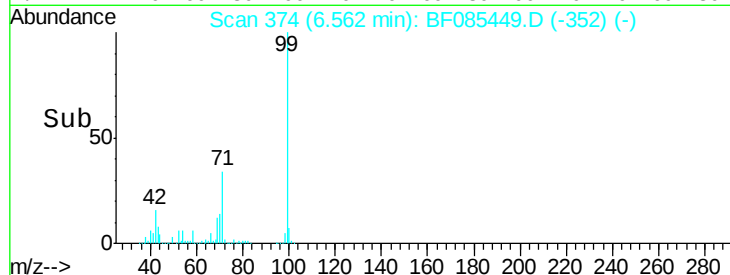
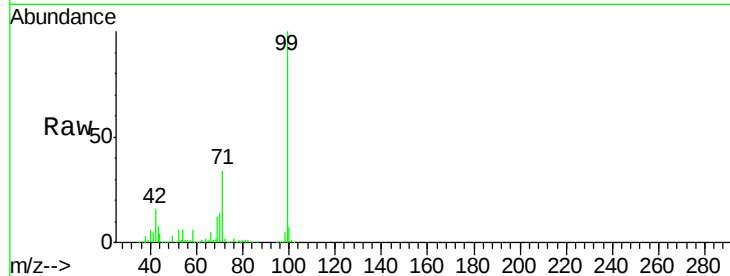
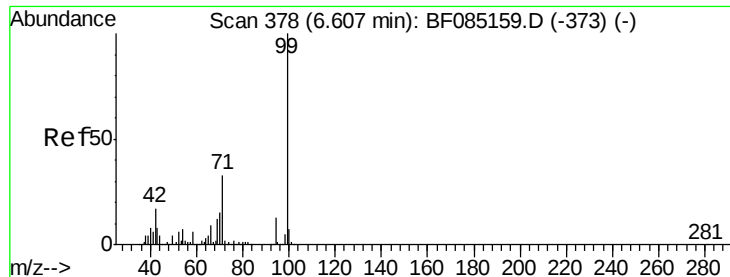
Delta R.T. -0.03 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Tgt Ion:	112	Resp:	1642833
Ion Ratio	Lower	Upper	
112	100		
64	47.6	49.0	73.4#
63	23.9	24.8	37.2#





#7

Phenol-d6

Concen: 128.39 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Tgt Ion: 99 Resp: 1738657

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

71 34.3 26.7 40.1

Instrument :

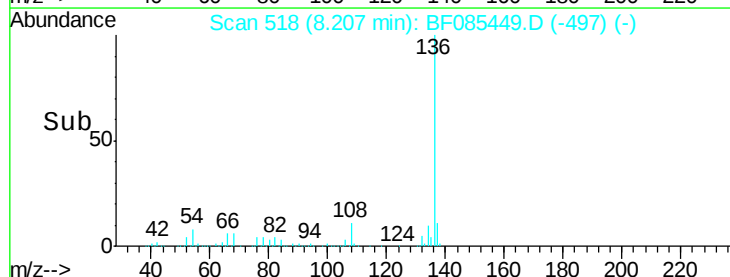
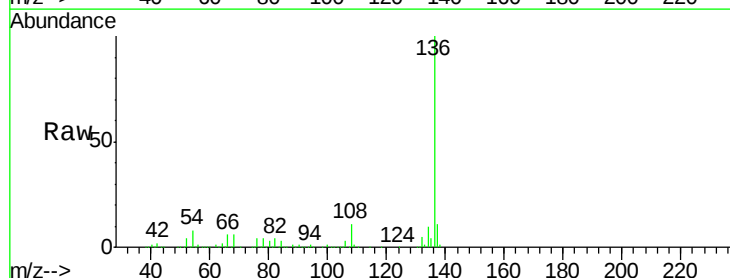
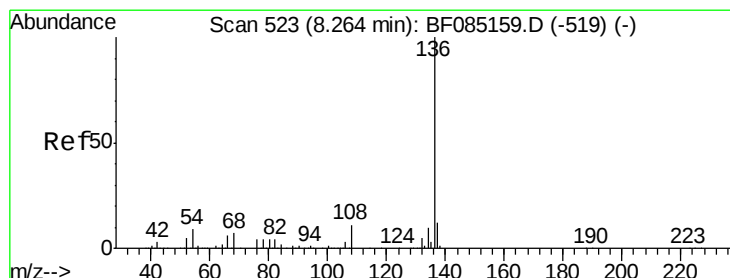
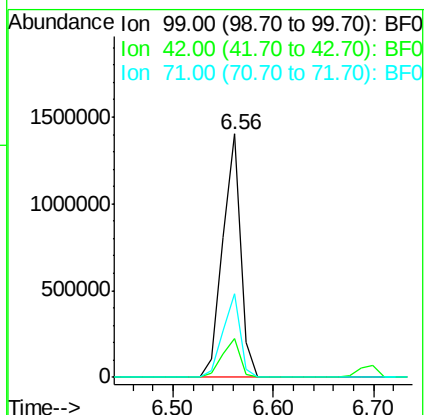
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Tgt Ion: 136 Resp: 667427

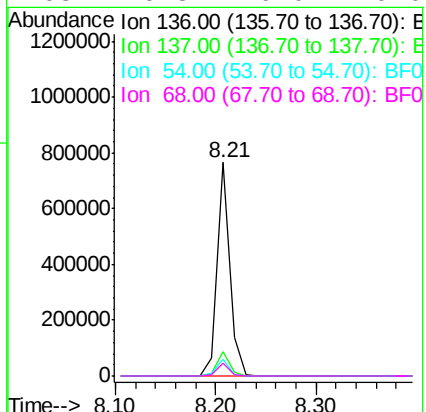
Ion Ratio Lower Upper

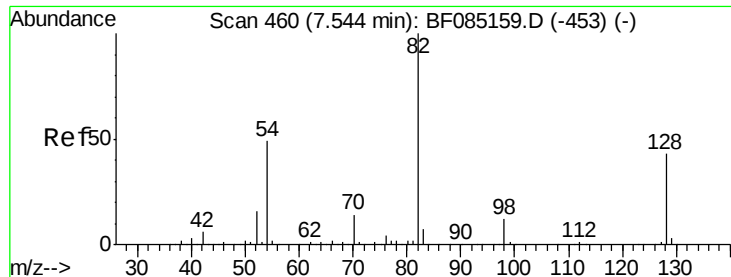
136 100

137 11.3 9.3 13.9

54 7.9 7.4 11.2

68 6.3 6.0 9.0





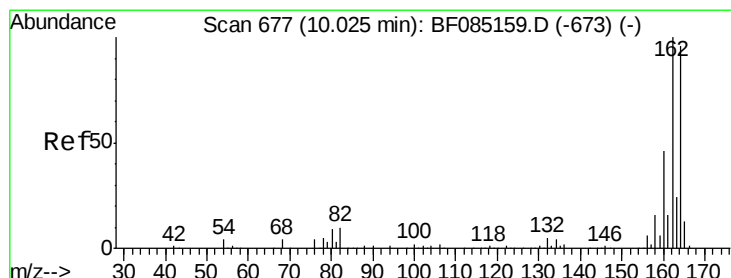
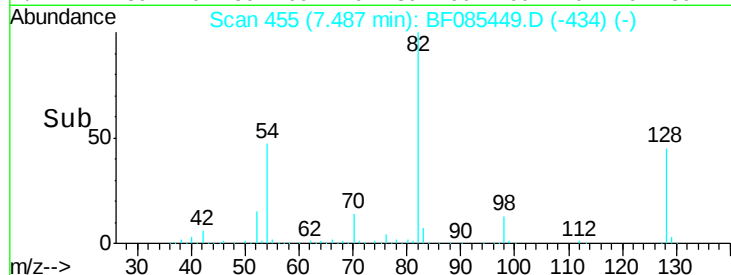
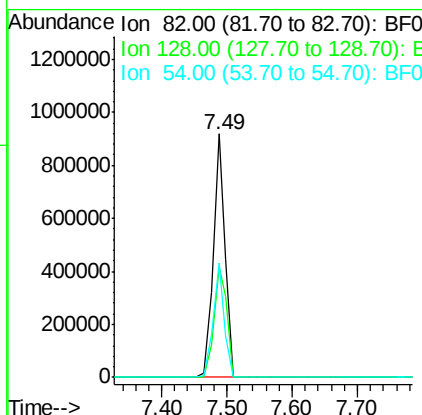
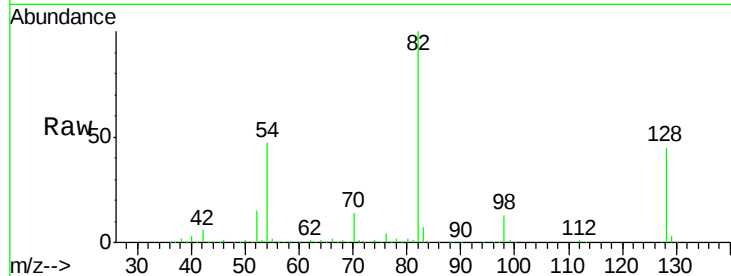
#23
 Nitrobenzene-d5
 Concen: 94.04 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.5	51.7
54	47.0	39.3	58.9

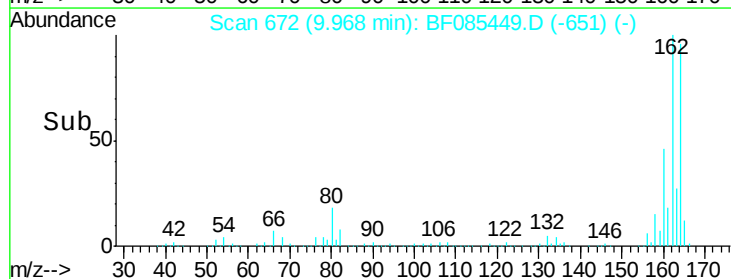
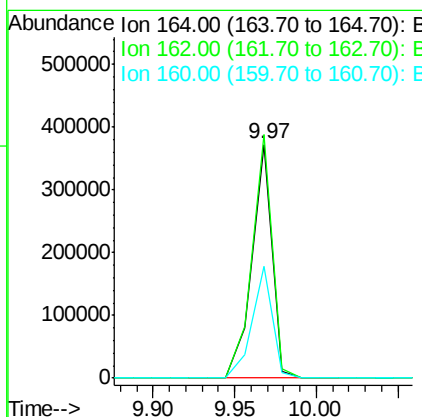
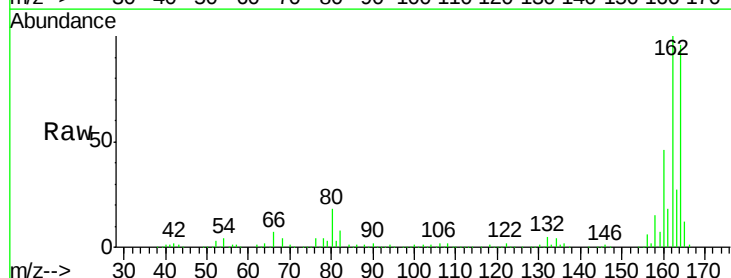
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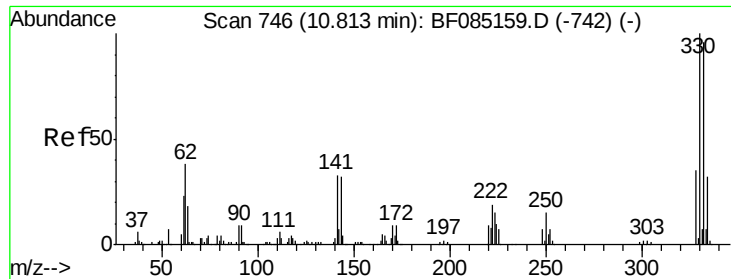
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.3	124.9
160	48.0	37.9	56.9





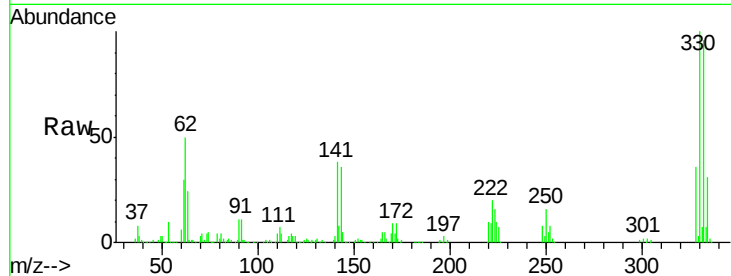
#41
 2,4,6-Tribromophenol
 Concen: 143.82 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

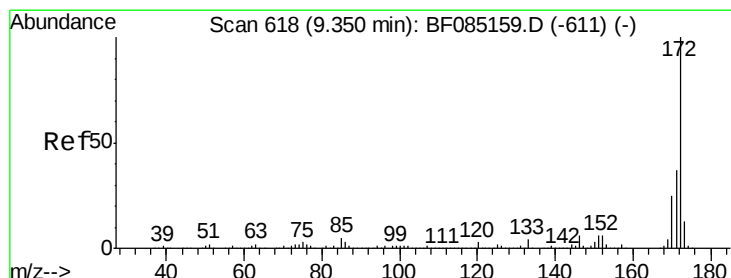
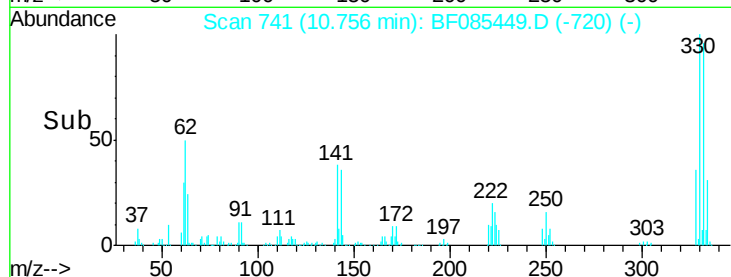
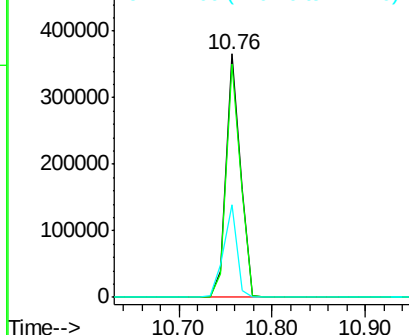
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	392737		
332	96.2	77.1	115.7	
141	35.3	35.0	52.6	

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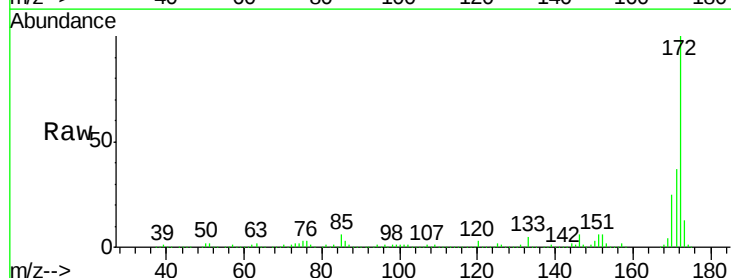


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

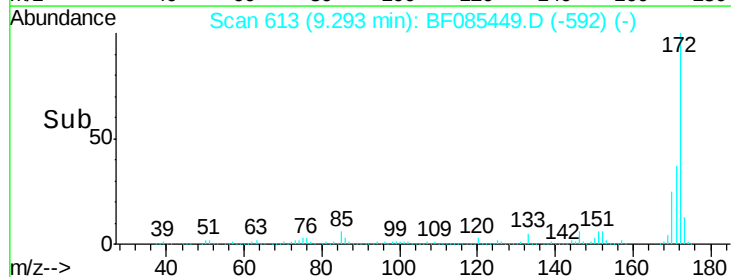
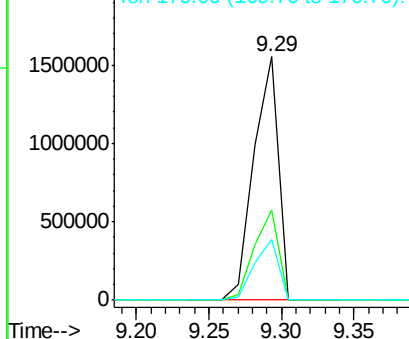


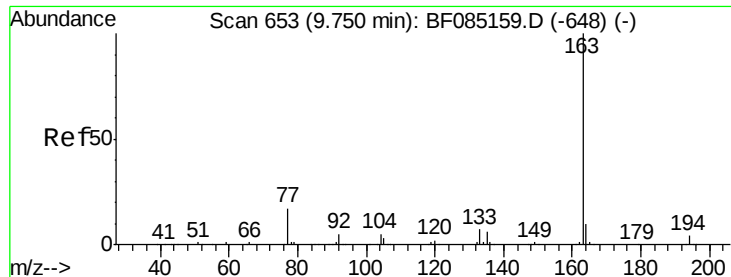
#44
 2-Fluorobiphenyl
 Concen: 86.82 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1821863		
171	37.0	29.3	43.9	
170	25.0	20.0	30.0	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





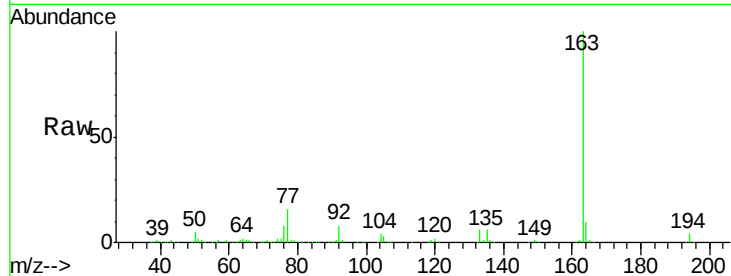
#49
Dimethylphthalate
Concen: 16.98 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

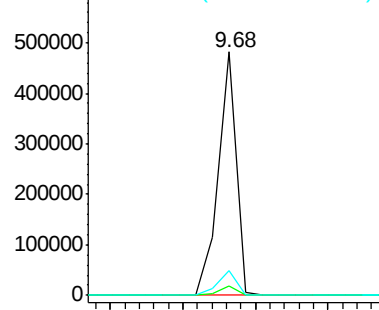
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	3.1	4.7
164	9.9	8.2	12.4

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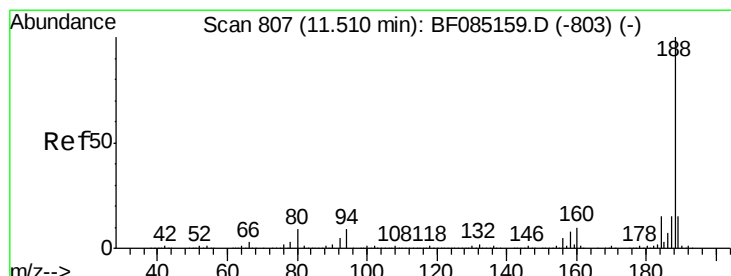
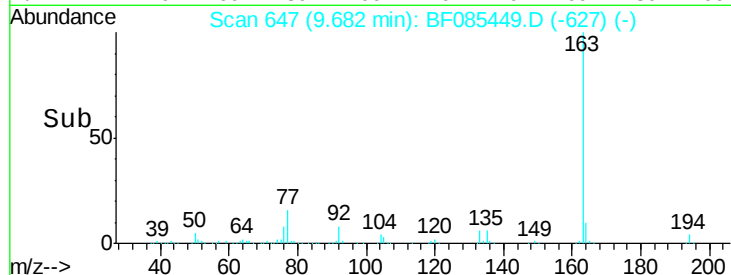
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

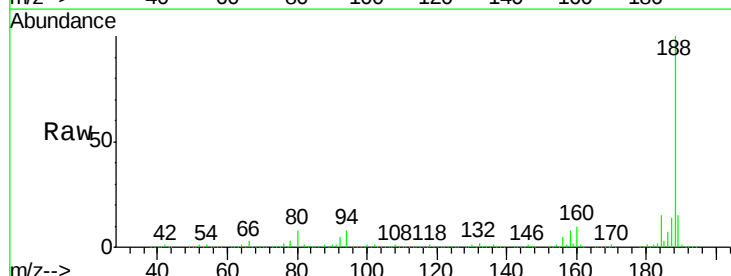


Time-->

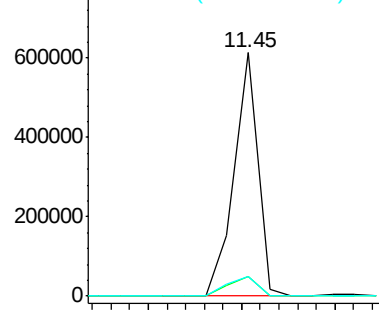


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

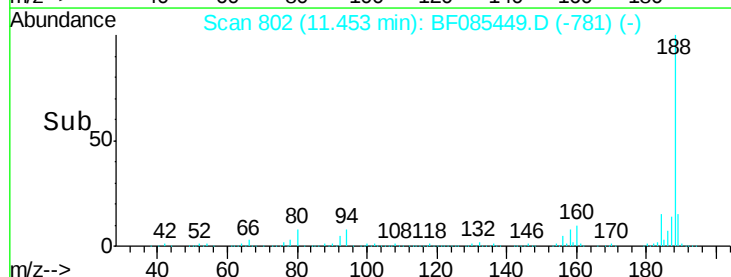
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	7.0	10.6
80	8.3	7.4	11.0

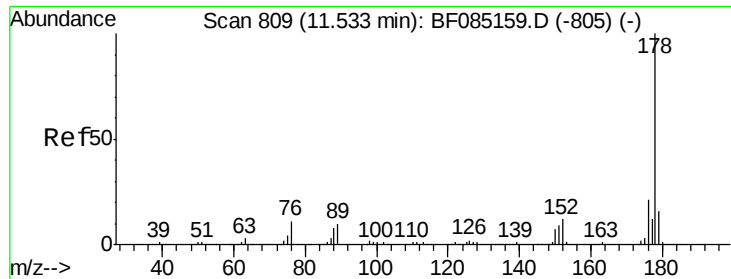


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



Time-->





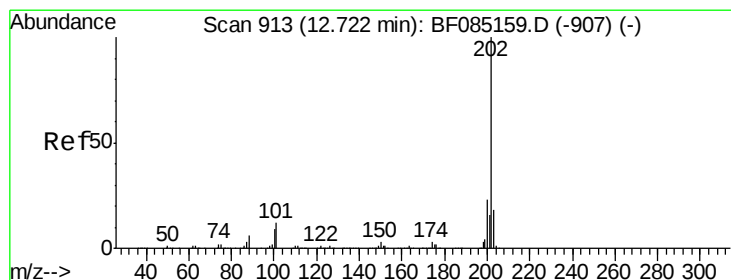
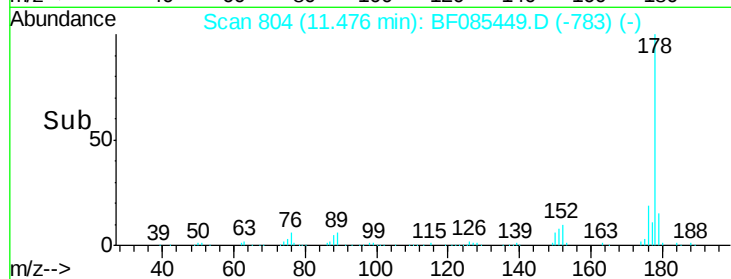
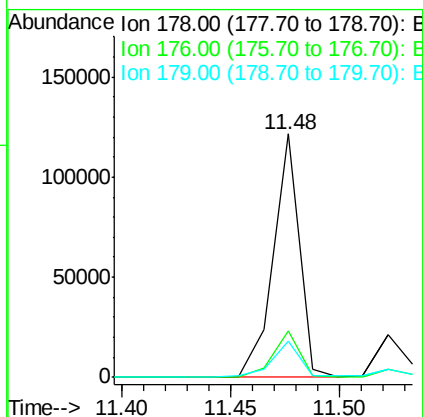
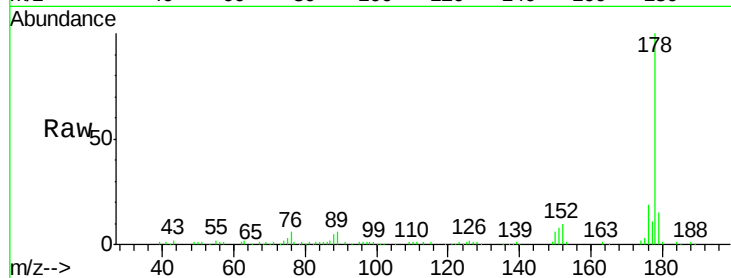
#70
Phenanthrene
Concen: 3.65 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Instrument :
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ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.8	25.2
179	14.7	13.1	19.7

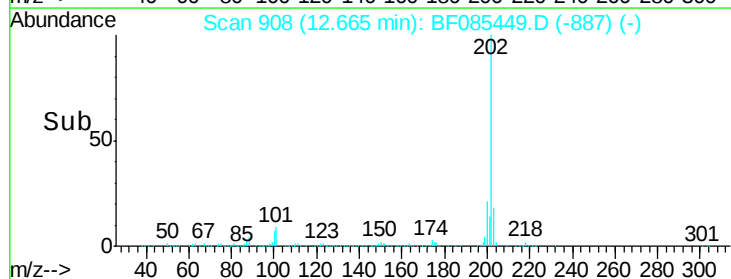
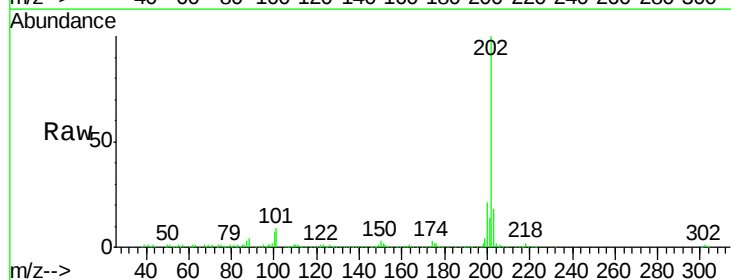
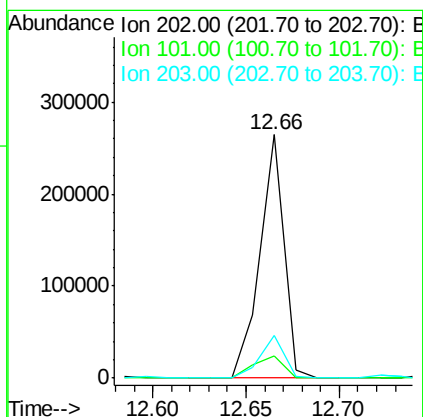
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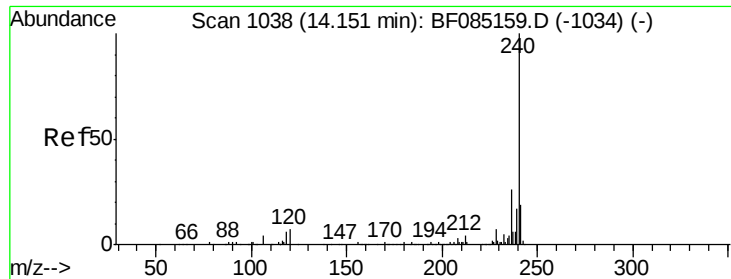
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#74
Fluoranthene
Concen: 8.26 ng
RT: 12.66 min Scan# 908
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	31.8
203	17.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085449.D

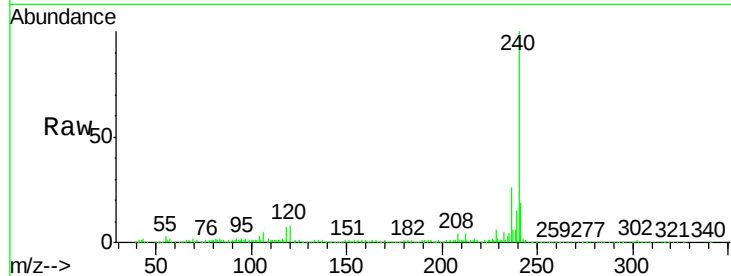
Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

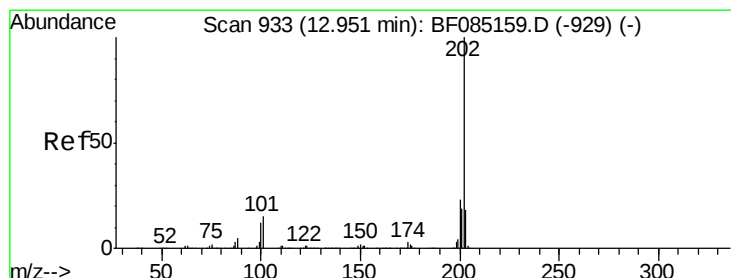
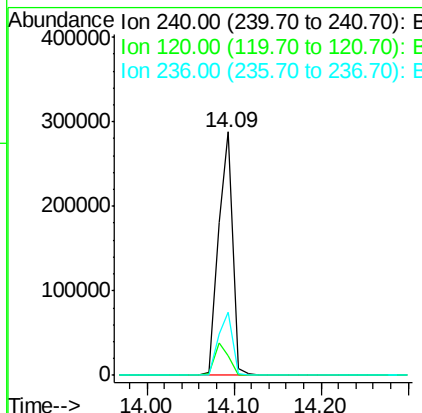
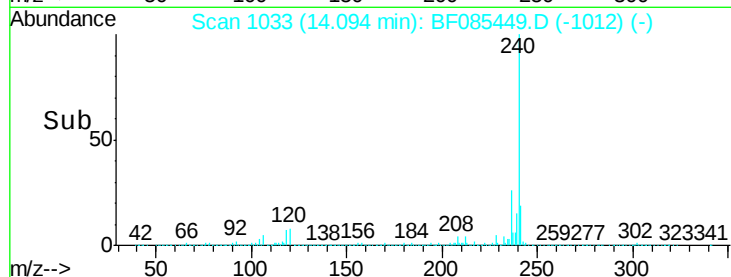
W170TH-SB-07-COMP(0.5-4.0)



Tgt Ion:	240	Resp:	331415
Ion Ratio	Lower	Upper	
240	100		
120	7.8	5.3	7.9
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 8.89 ng

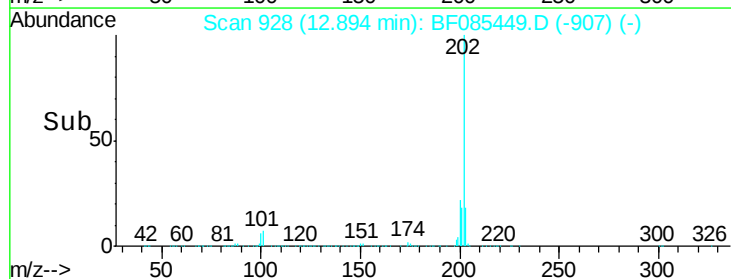
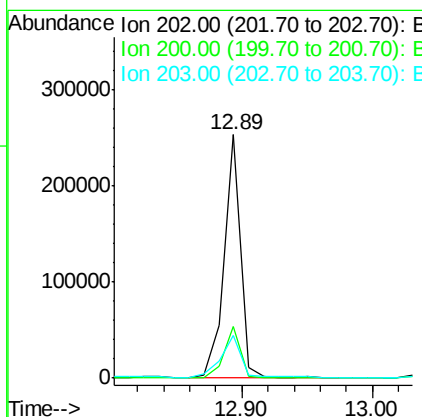
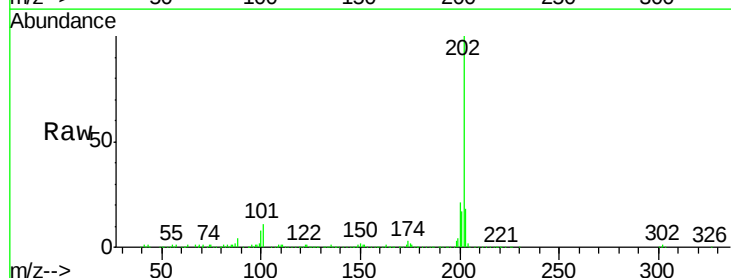
RT: 12.89 min Scan# 928

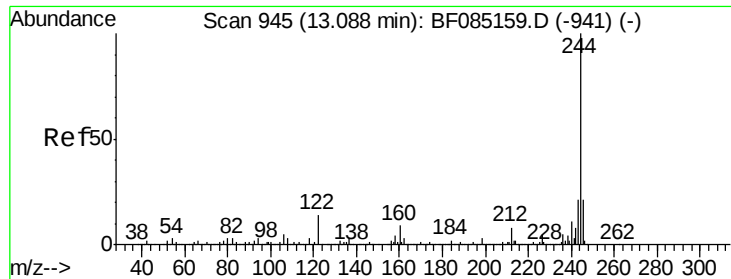
Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Tgt Ion:	202	Resp:	221810
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.2	27.4
203	17.7	14.7	22.1





#78

Terphenyl-d14

Concen: 90.11 ng

RT: 13.04 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion:244 Resp: 1286384

Ion Ratio Lower Upper

244 100

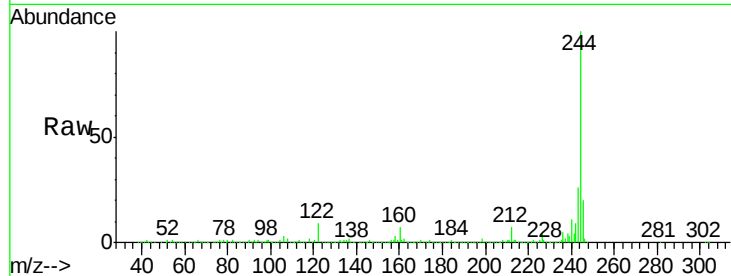
212 7.1 6.4 9.6

122 9.3 11.4 17.2#

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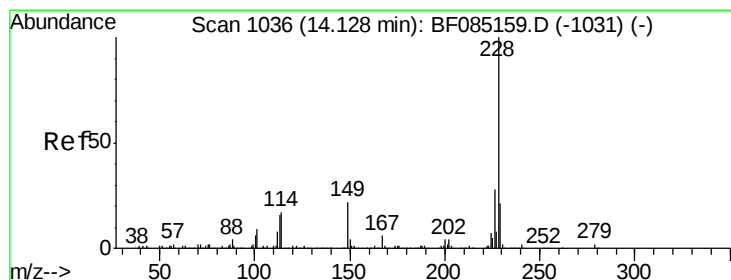
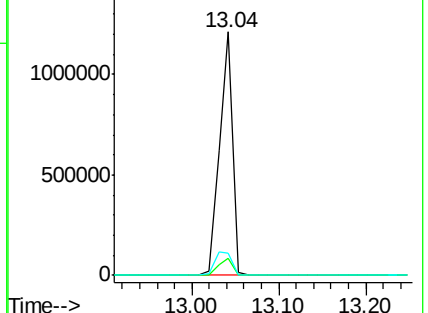
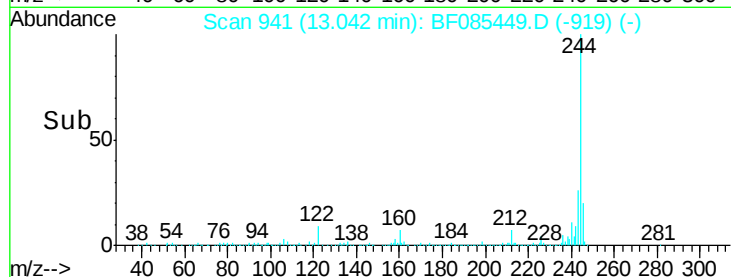
3/15/2016 2:09:36 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.45 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

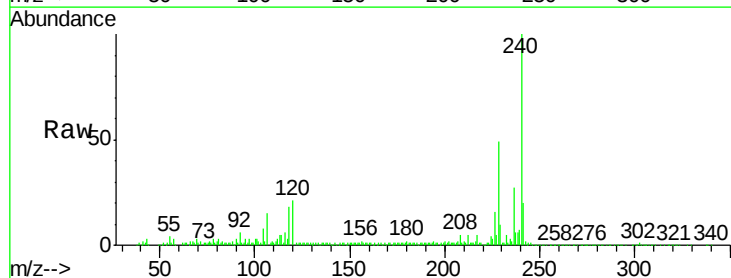
Tgt Ion:228 Resp: 108221

Ion Ratio Lower Upper

228 100

226 31.5 22.8 34.2

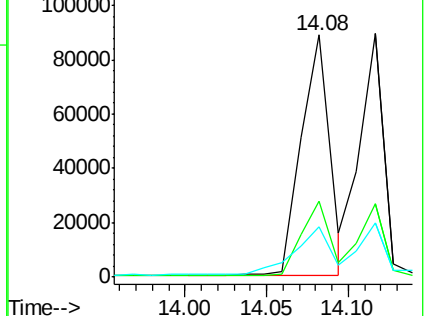
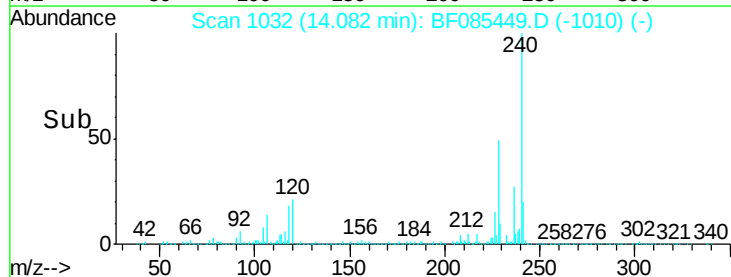
229 20.7 16.6 24.8

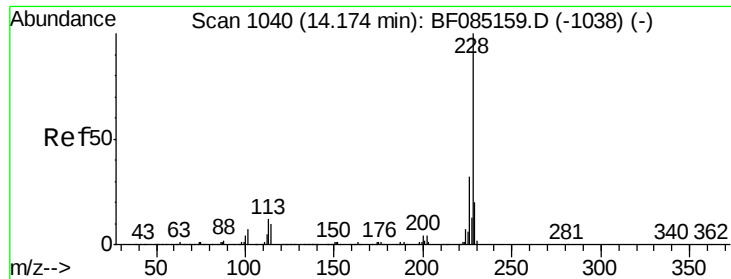


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





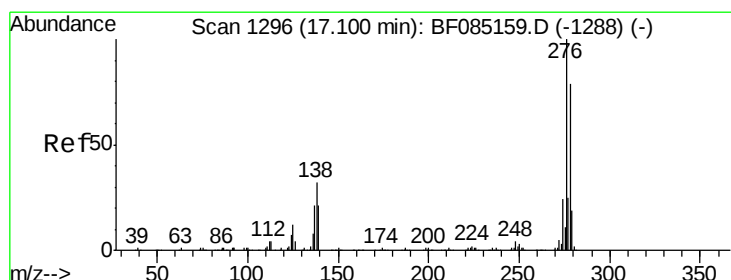
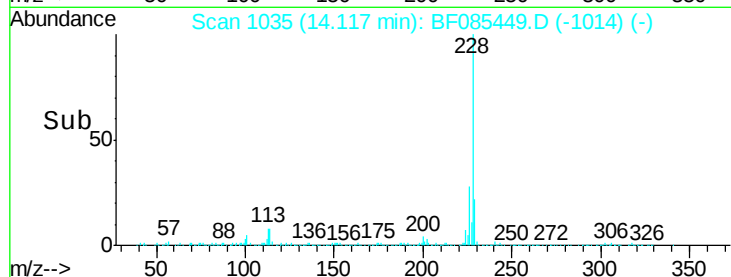
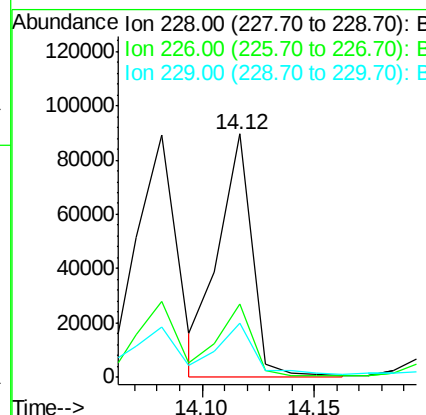
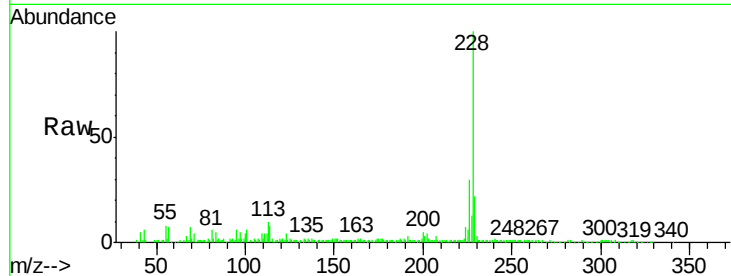
#82
Chrysene
Concen: 5.10 ng m
RT: 14.12 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	93470		
226	30.2	25.2	37.8	
229	22.4	16.0	24.0	

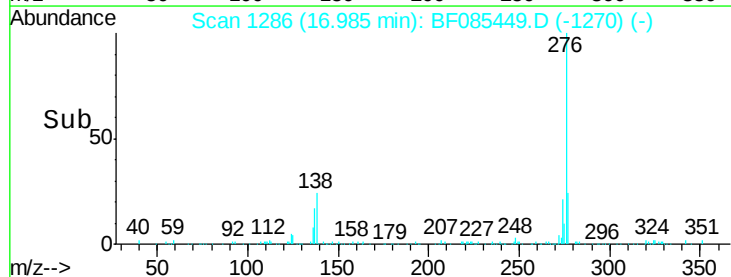
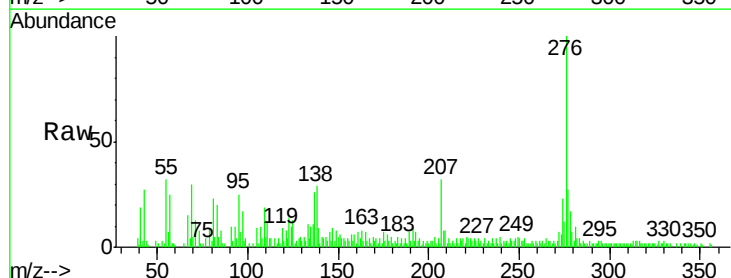
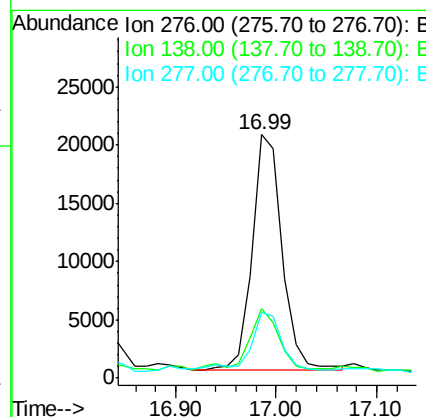
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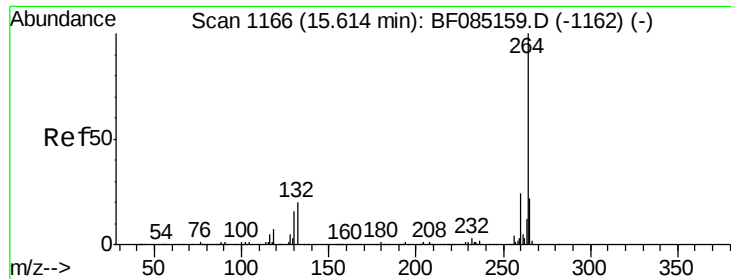
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.92 ng
RT: 16.99 min Scan# 1286
Delta R.T. -0.11 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	41835		
138	25.5	26.4	39.6#	
277	26.2	20.2	30.2	





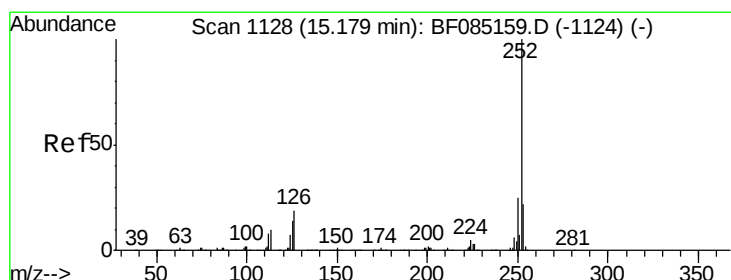
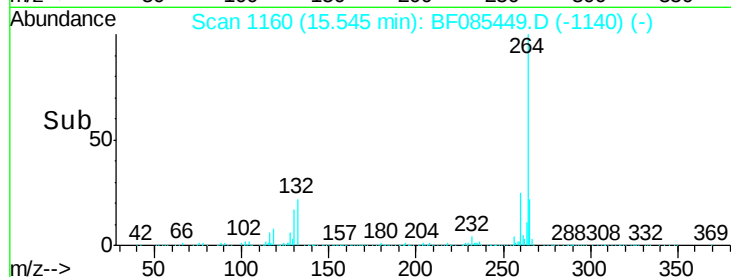
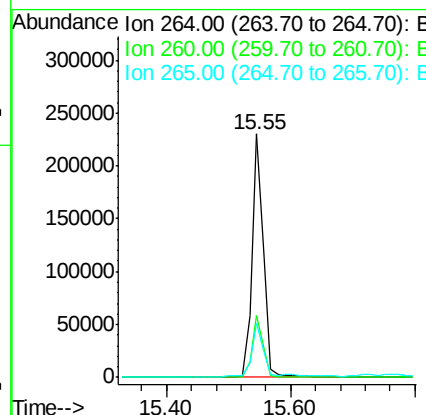
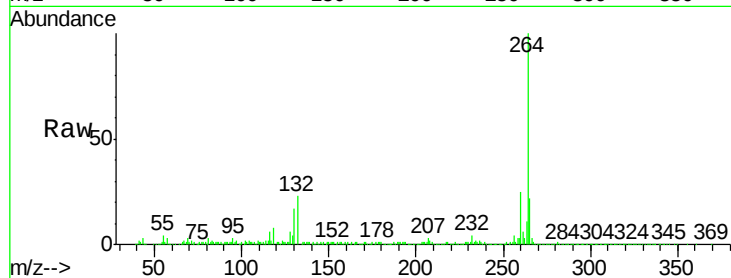
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	287326		
260	25.5	19.2	28.8	
265	22.3	17.3	25.9	

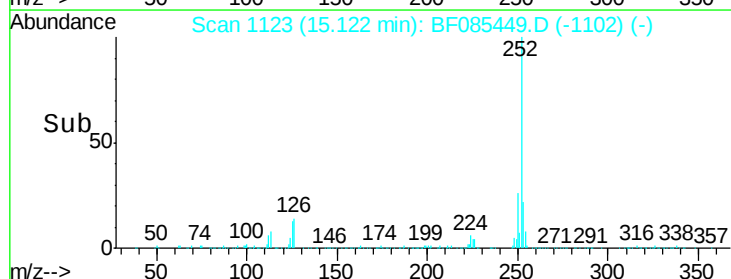
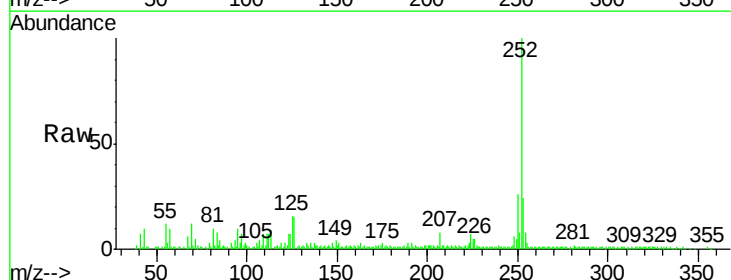
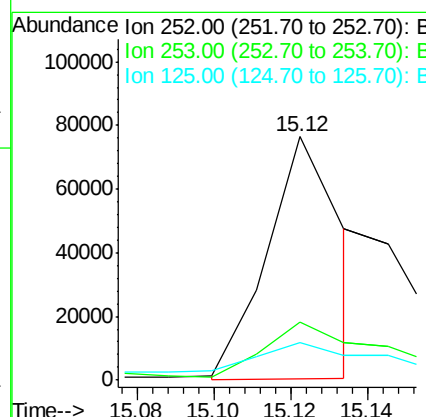
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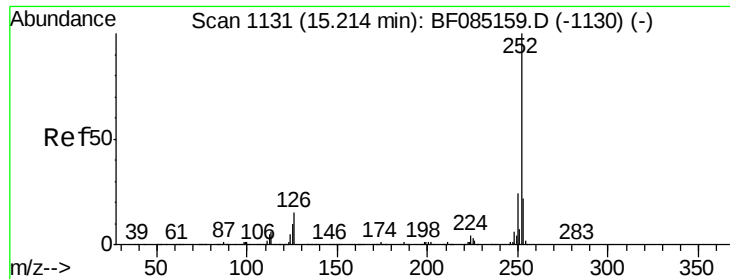
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#87
Benzo(b)fluoranthene
Concen: 5.42 ng m
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	103861		
253	23.9	17.8	26.6	
125	15.6	11.3	16.9	





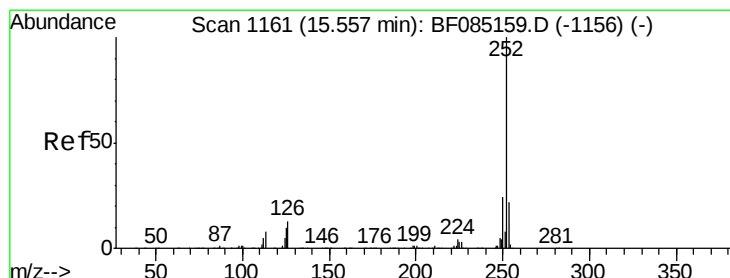
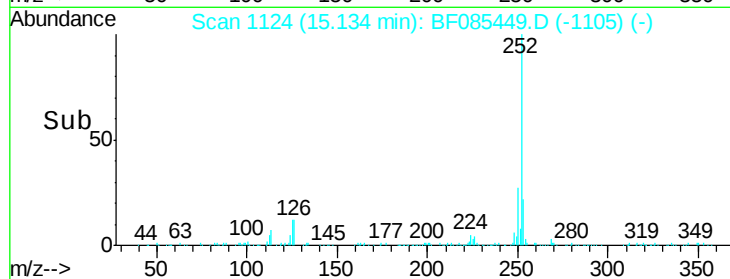
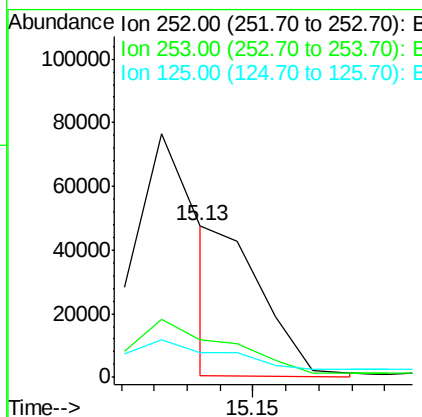
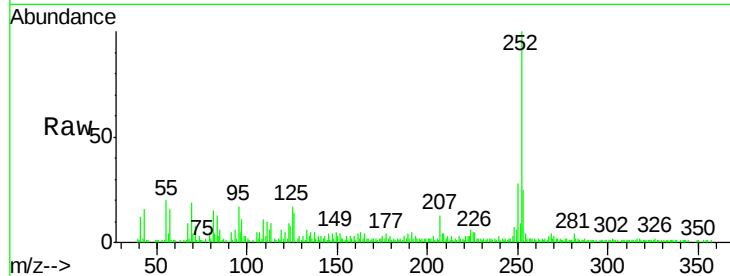
#88
Benzo(k)fluoranthene
Concen: 2.84 ng m
RT: 15.13 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	16.6	10.4	15.6

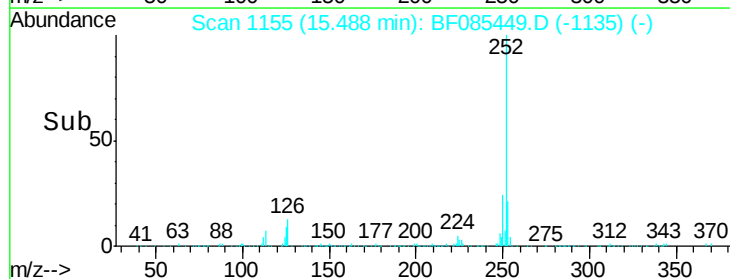
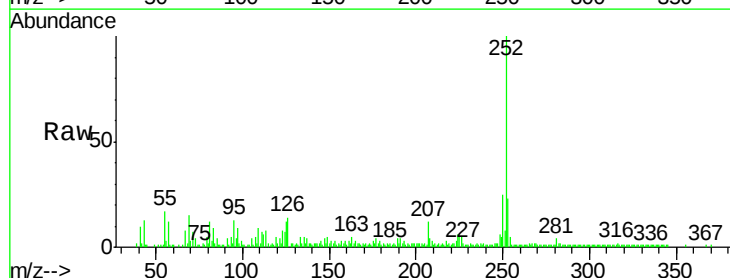
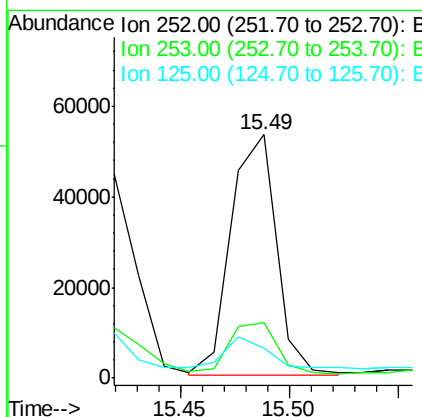
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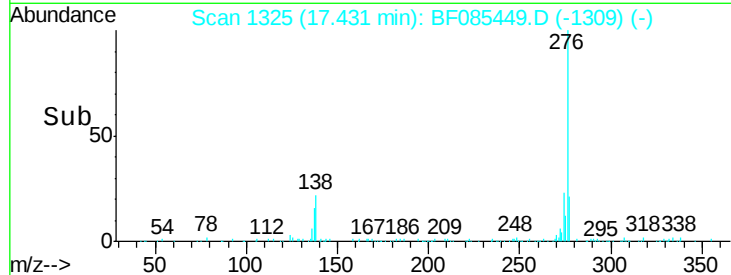
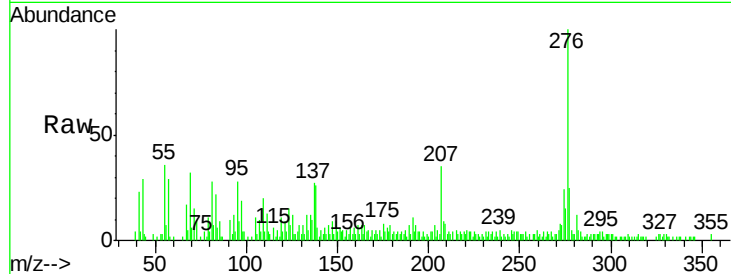
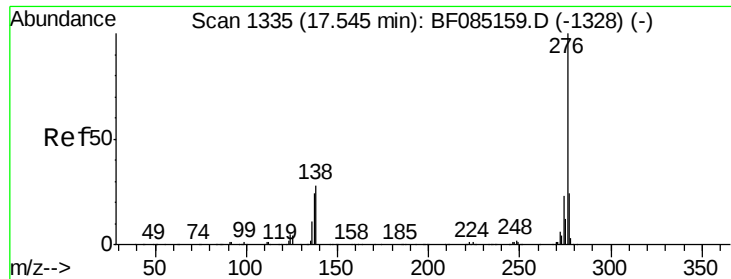
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#89
Benzo(a)pyrene
Concen: 4.84 ng
RT: 15.49 min Scan# 1155
Delta R.T. -0.07 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	12.5	8.2	12.4





#91
Benzo(g,h,i)perylene
Concen: 2.74 ng
RT: 17.43 min Scan# 1325
Delta R.T. -0.11 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion:	276	Resp:	37332
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	25.6	22.5	33.7

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

Manual Integrations
APPROVED

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3/15/2016 2:09:36 PM

