

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
 Data File : BF085343.D
 Acq On : 10 Mar 2016 19:59
 Operator : UM/SJ
 Sample : H1753-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP4

Manual Integrations
 APPROVED

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 3/11/2016 4:58:36 PM

Quant Time: Mar 11 10:07:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 00:01:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	156851	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	551101	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	242934	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	340582	20.00	ng	0.00
75) Chrysene-d12	14.11	240	248661	20.00	ng	0.00
86) Perylene-d12	15.57	264	253647	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1194712	127.76	ng	0.01
7) Phenol-d6	6.57	99	1785821	145.77	ng	0.01
23) Nitrobenzene-d5	7.50	82	1007875	97.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	259302	124.74	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1567891	98.15	ng	0.00
78) Terphenyl-d14	13.05	244	989908	92.41	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	236654	12.69	ng	99
70) Phenanthrene	11.49	178	206773	11.58	ng	97
71) Anthracene	11.53	178	57573	3.04	ng	99
74) Fluoranthene	12.68	202	245166	13.69	ng	97
77) Pyrene	12.91	202	240877	12.87	ng	97
80) Benzo(a)anthracene	14.09	228	112348m	7.55	ng	
82) Chrysene	14.13	228	98881m	7.19	ng	
85) Indeno(1,2,3-cd)pyrene	17.02	276	52824	4.92	ng	# 90
87) Benzo(b)fluoranthene	15.15	252	135201m	8.00	ng	
88) Benzo(k)fluoranthene	15.16	252	36984m	2.71	ng	
89) Benzo(a)pyrene	15.50	252	94642	6.76	ng	# 90
91) Benzo(g,h,i)perylene	17.47	276	50683	4.21	ng	94

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

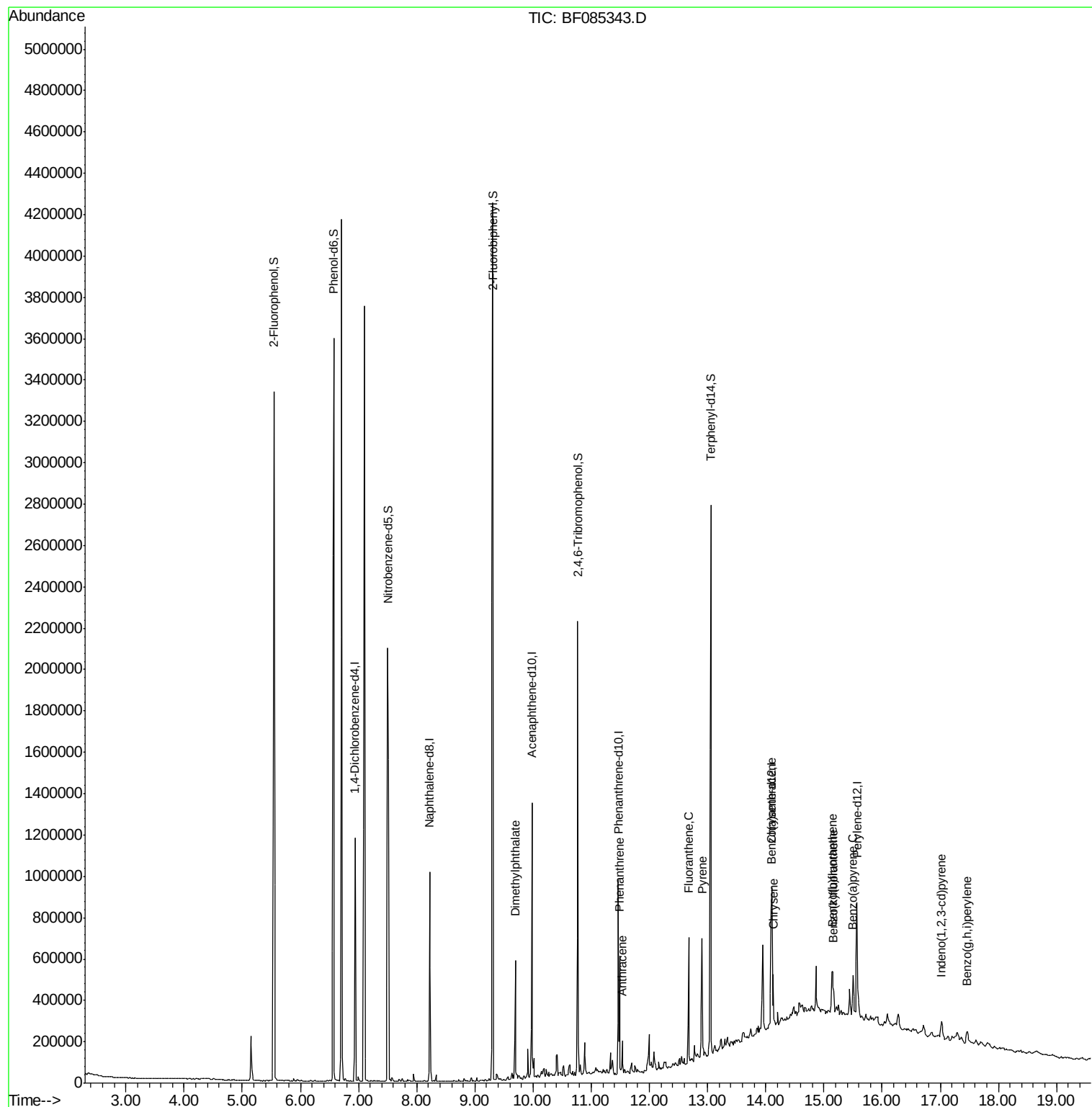
Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
Data File : BF085343.D
Acq On : 10 Mar 2016 19:59
Operator : UM/SJ
Sample : H1753-22
Misc :
ALS Vial : 16 Sample Multiplier: 1

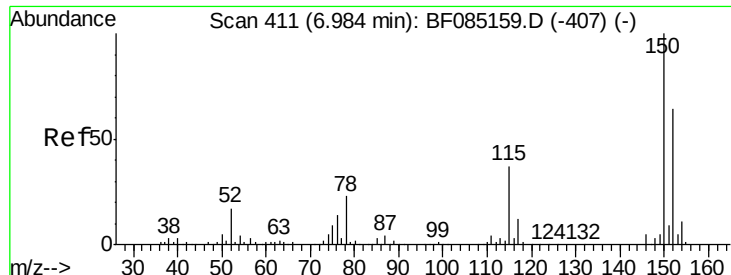
Instrument :
BNA_F
ClientSampleId :
TEC-COMP4

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Quant Time: Mar 11 10:07:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 11 00:01:03 2016
Response via : Initial Calibration





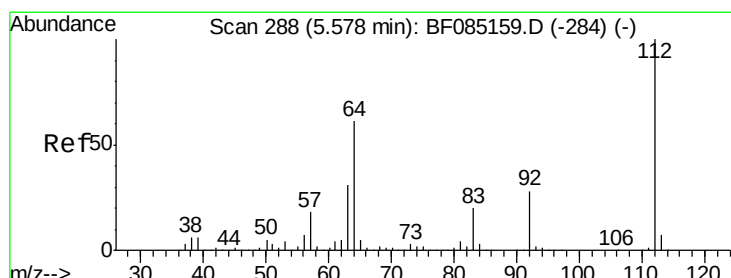
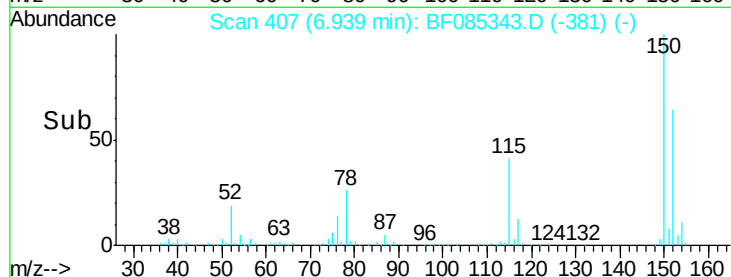
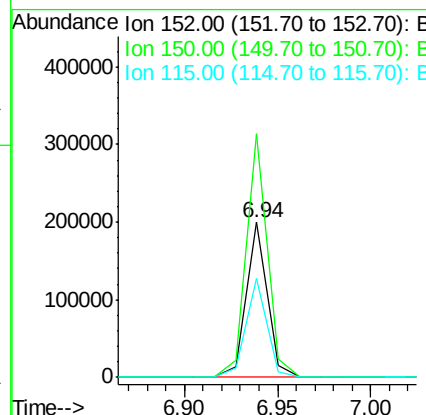
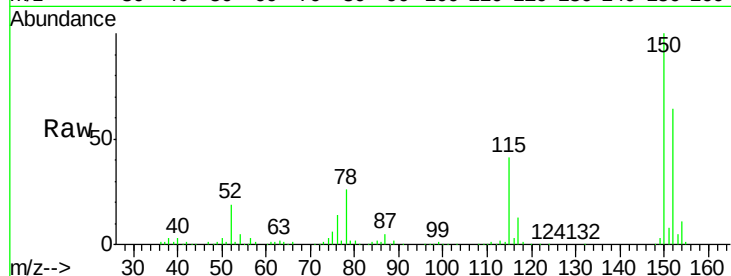
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP4

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	156851		
150	156.9	124.6	186.8	
115	63.7	46.6	70.0	

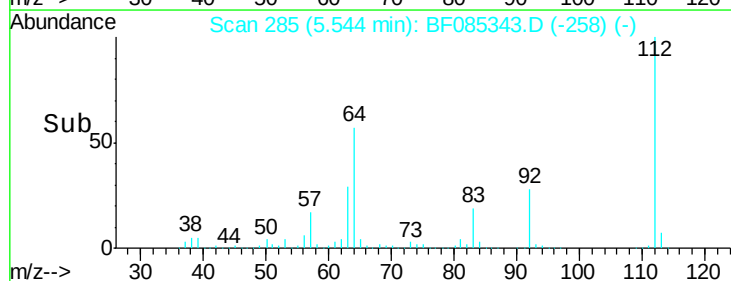
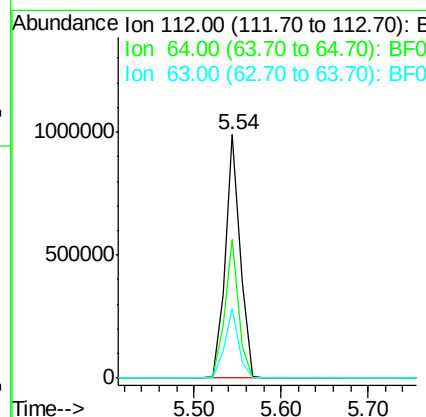
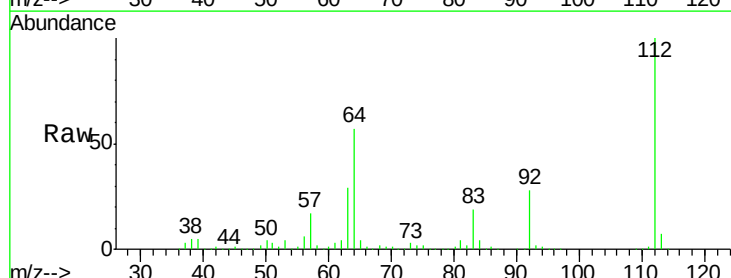
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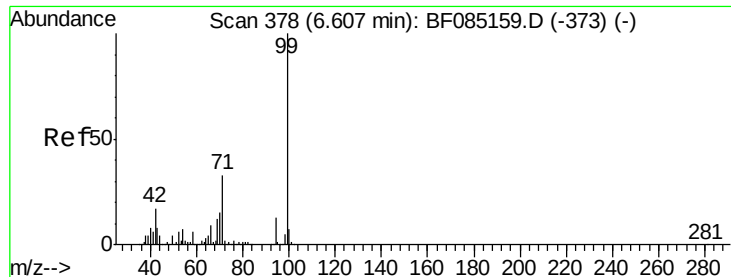
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#5
 2-Fluorophenol
 Concen: 127.76 ng
 RT: 5.54 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1194712		
64	56.9	49.0	73.4	
63	28.8	24.8	37.2	





#7

Phenol-d6

Concen: 145.77 ng

RT: 6.57 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

TEC-COMP4

Tgt Ion: 99 Resp: 1785821

Ion Ratio Lower Upper

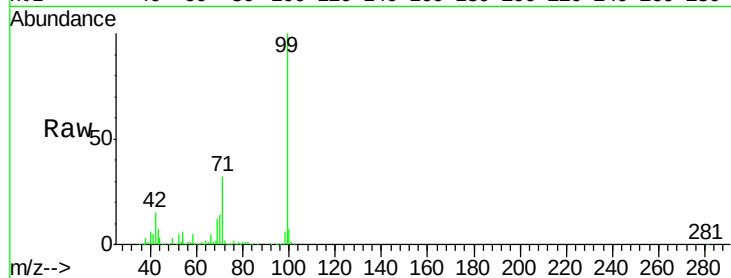
99 100

42 14.5 13.6 20.4

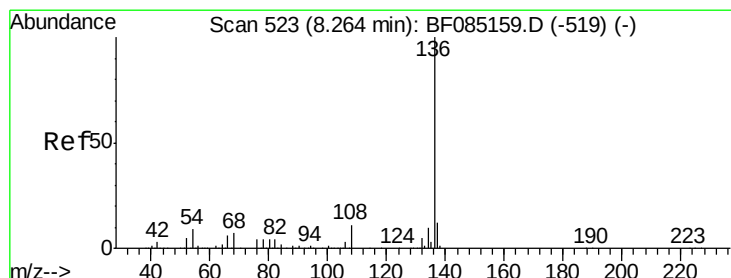
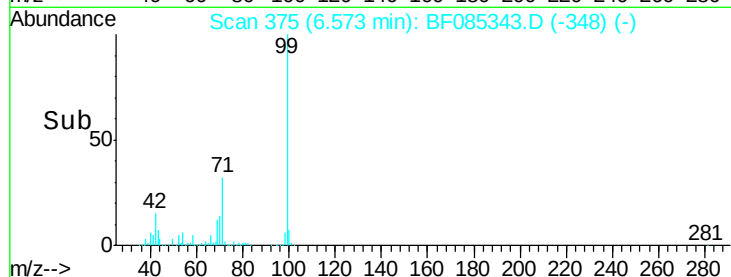
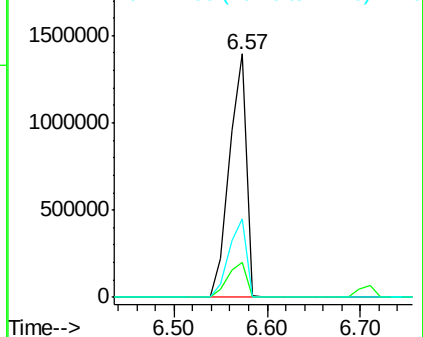
71 32.3 26.7 40.1

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Tgt Ion: 136 Resp: 551101

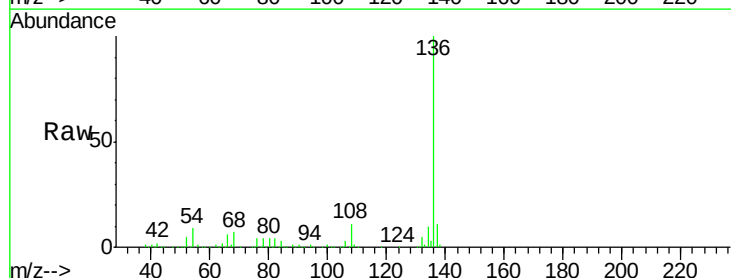
Ion Ratio Lower Upper

136 100

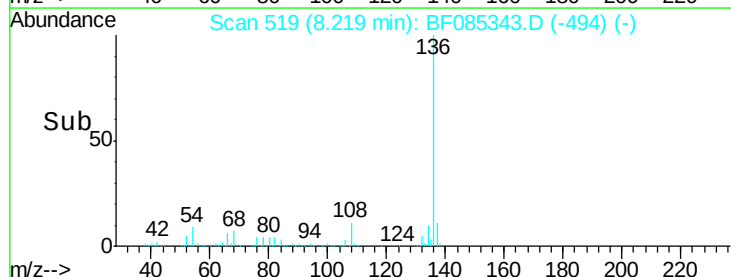
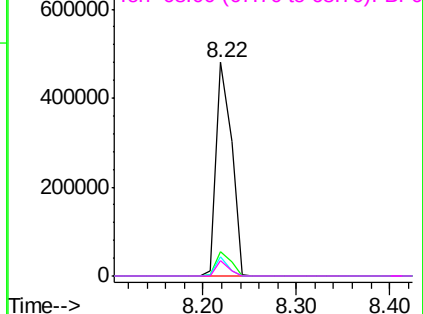
137 11.3 9.3 13.9

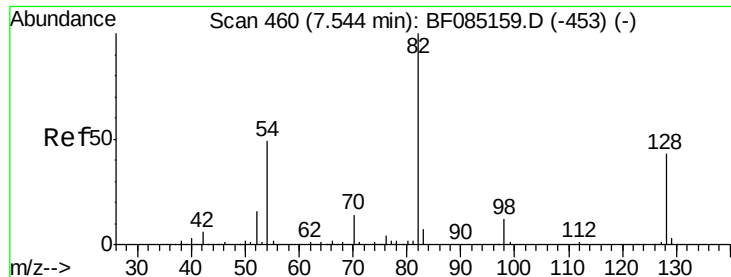
54 9.2 7.4 11.2

68 7.4 6.0 9.0



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





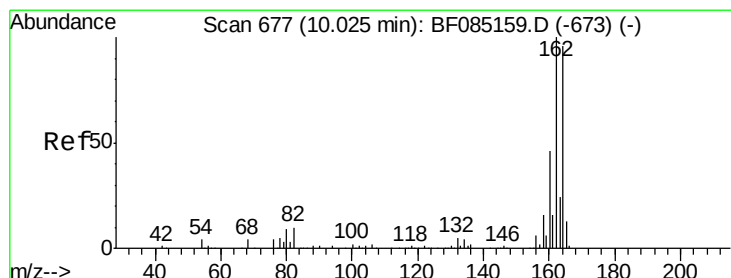
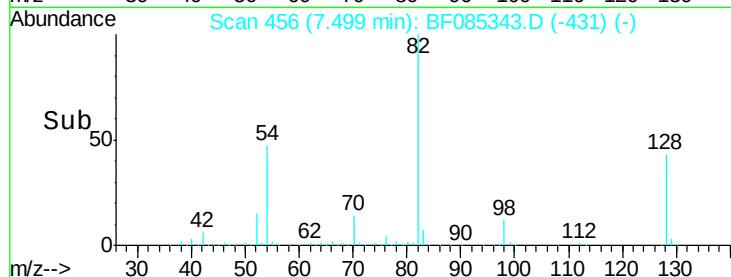
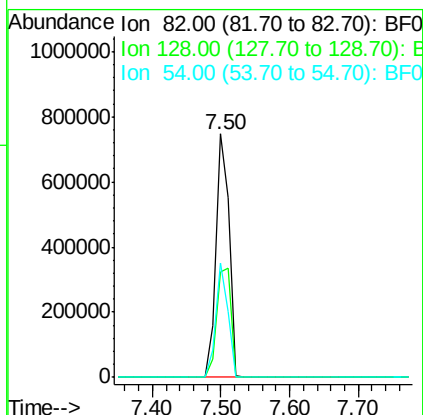
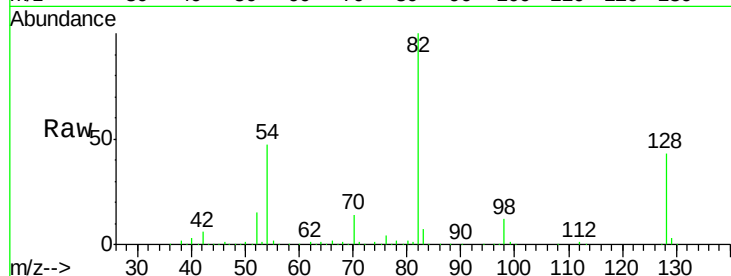
#23
 Nitrobenzene-d5
 Concen: 97.86 ng
 RT: 7.50 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP4

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.5	51.7
54	47.0	39.3	58.9

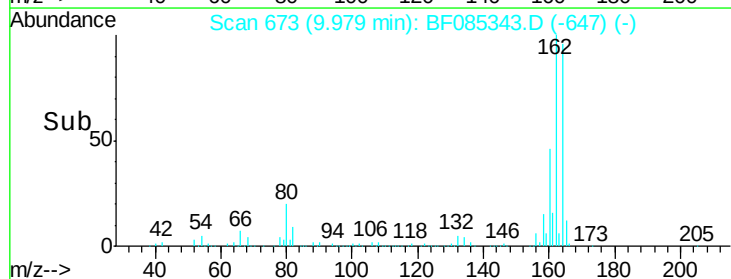
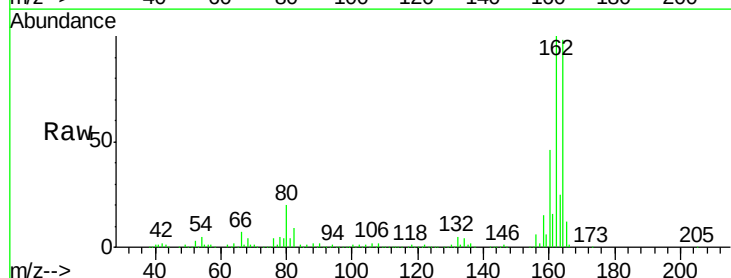
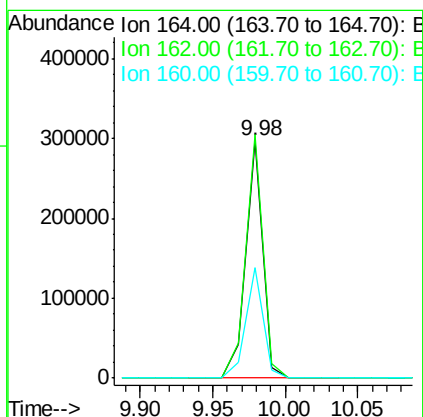
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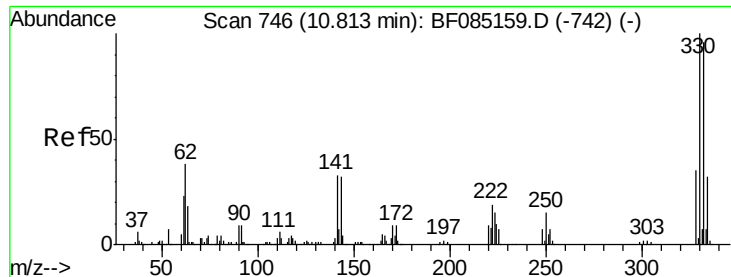
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.3	124.9
160	46.6	37.9	56.9





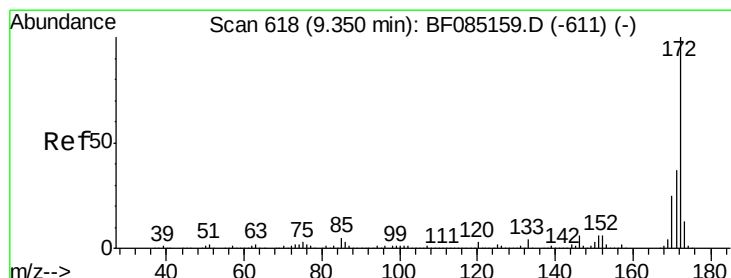
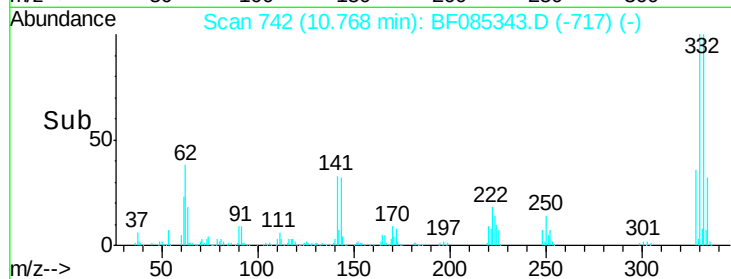
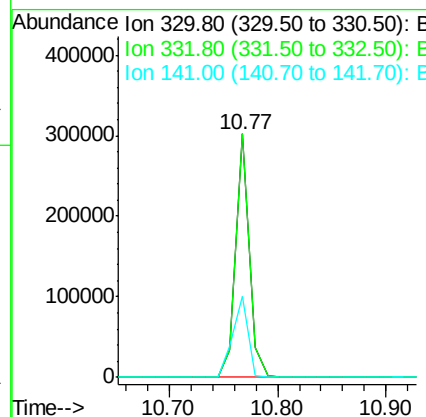
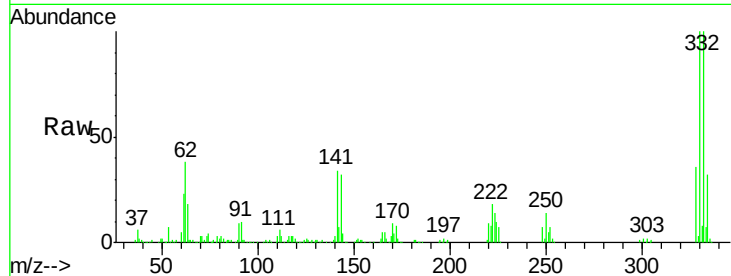
#41
 2,4,6-Tribromophenol
 Concen: 124.74 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	259302		
332	99.7	77.1	115.7	
141	38.1	35.0	52.6	

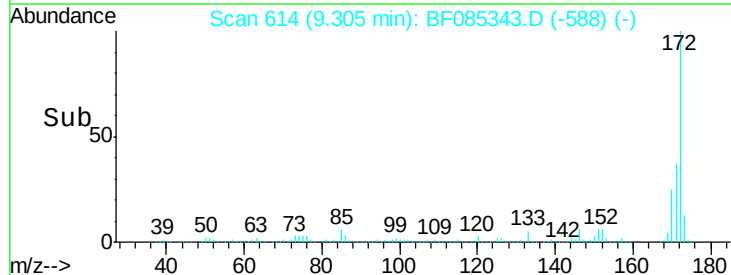
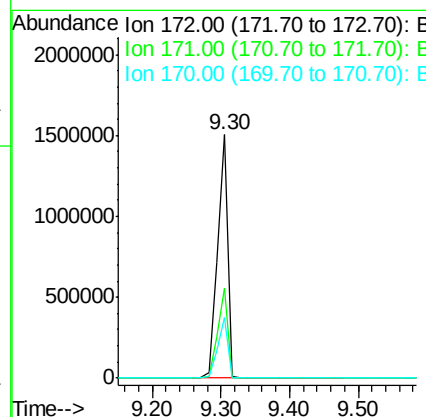
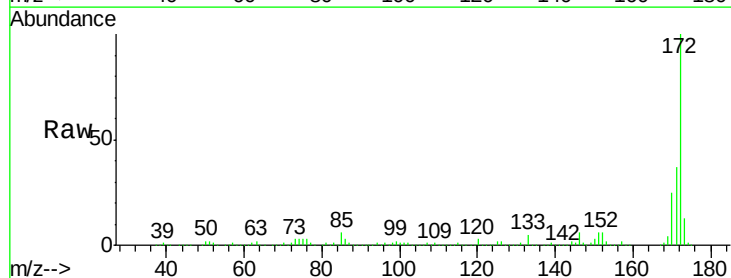
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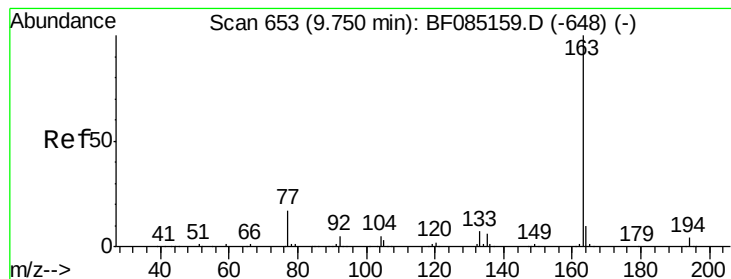
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#44
 2-Fluorobiphenyl
 Concen: 98.15 ng
 RT: 9.30 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1567891		
171	36.8	29.3	43.9	
170	25.0	20.0	30.0	





#49

Dimethylphthalate

Concen: 12.69 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

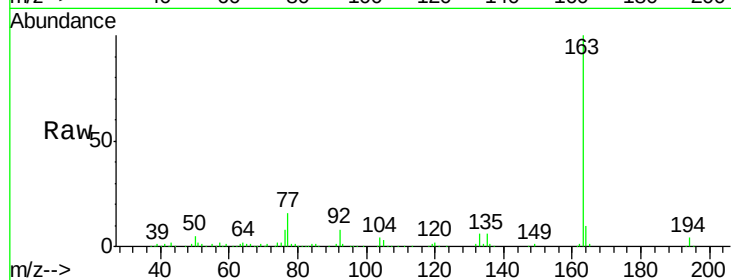
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TEC-COMP4

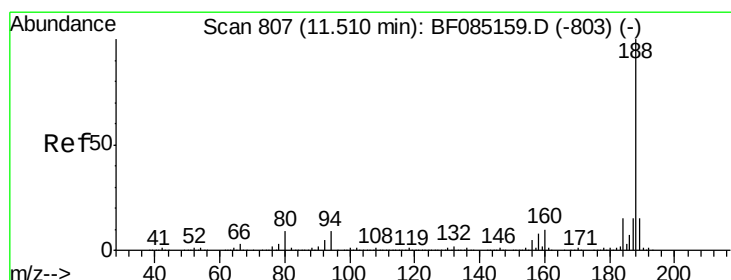
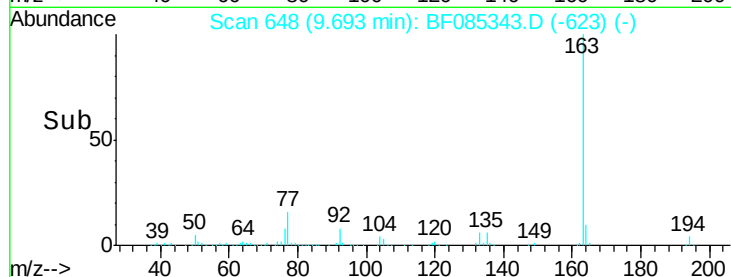
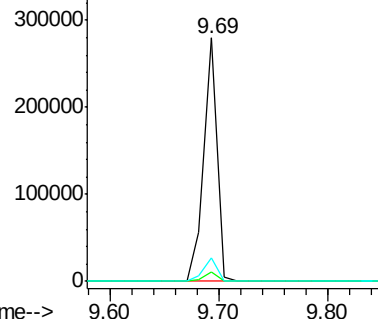
Tgt Ion:	163	Resp:	236654
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.8	8.2	12.4

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

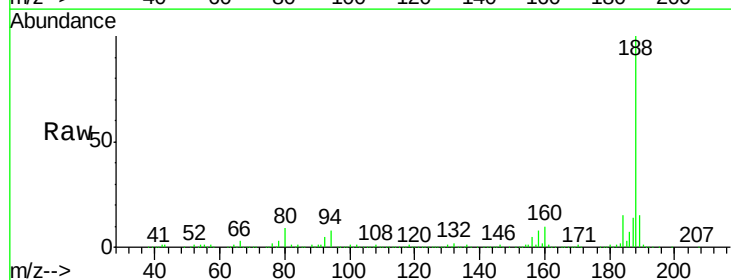
RT: 11.46 min Scan# 803

Delta R.T. 0.00 min

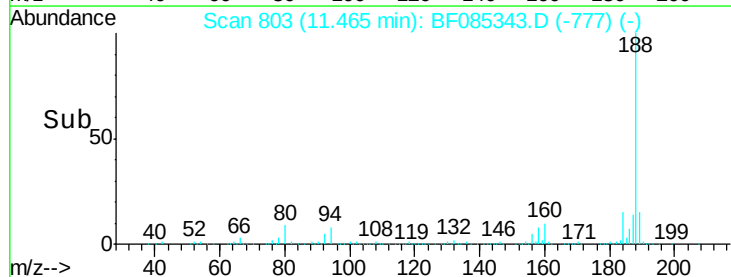
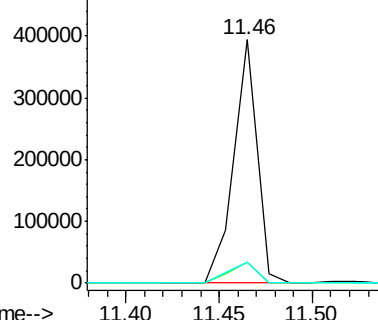
Lab File: BF085343.D

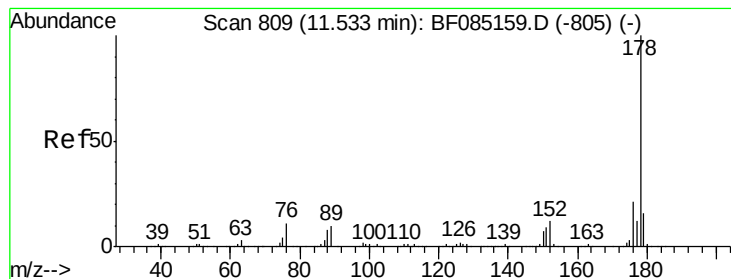
Acq: 10 Mar 2016 19:59

Tgt Ion:	188	Resp:	340582
Ion Ratio	Lower	Upper	
188	100		
94	8.4	7.0	10.6
80	8.7	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





#70

Phenanthrene

Concen: 11.58 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

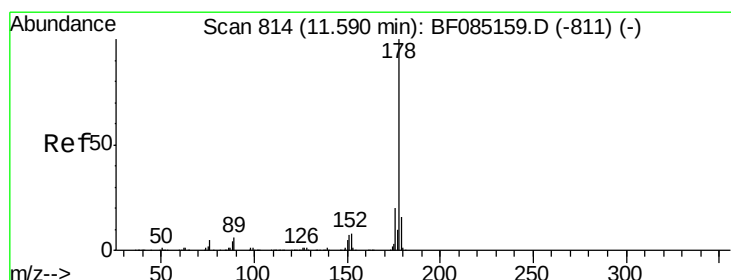
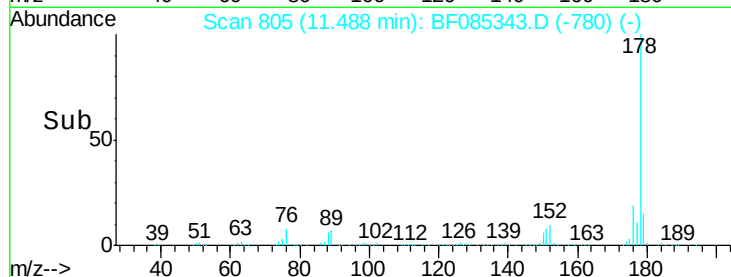
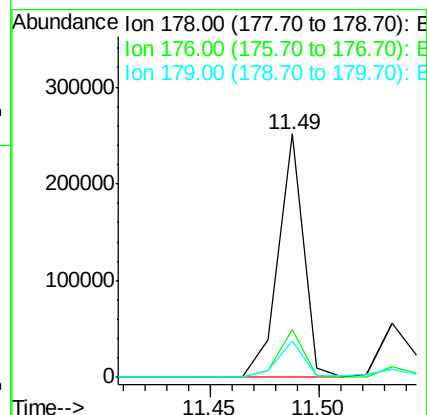
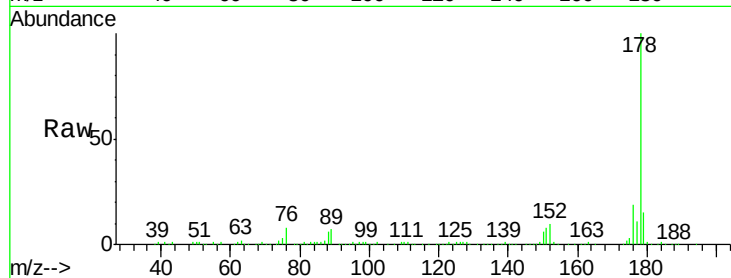
ClientSampleId :

TEC-COMP4

Tgt Ion:	178	Resp:	206773
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.8	25.2
179	14.9	13.1	19.7

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#71

Anthracene

Concen: 3.04 ng

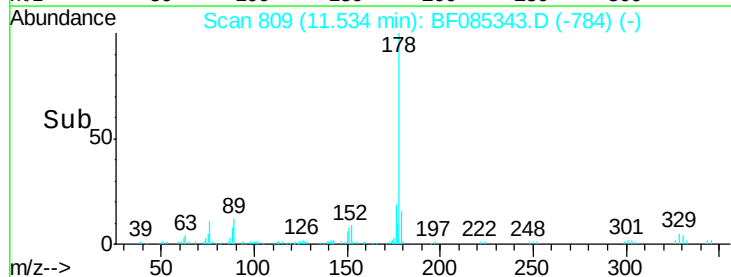
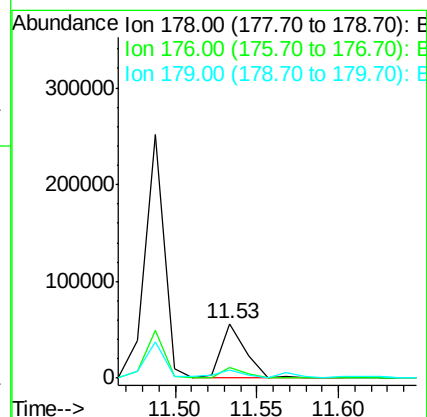
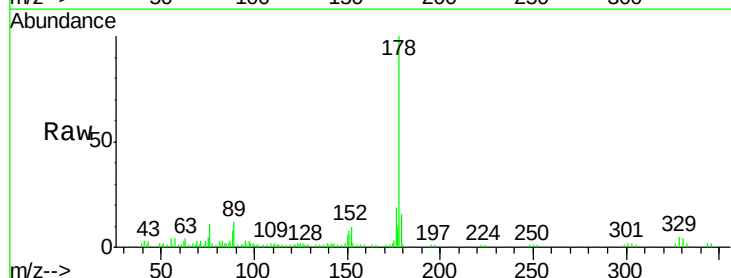
RT: 11.53 min Scan# 809

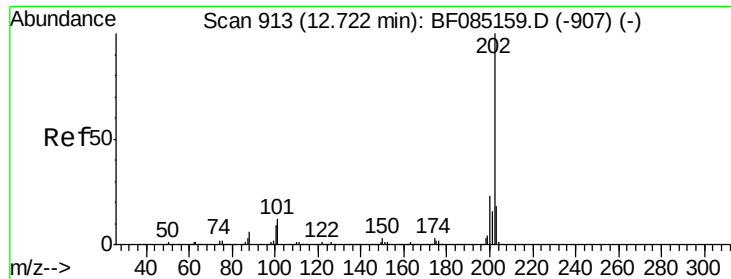
Delta R.T. -0.01 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Tgt Ion:	178	Resp:	57573
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.9	23.9
179	15.7	12.5	18.7





#74

Fluoranthene

Concen: 13.69 ng

RT: 12.68 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

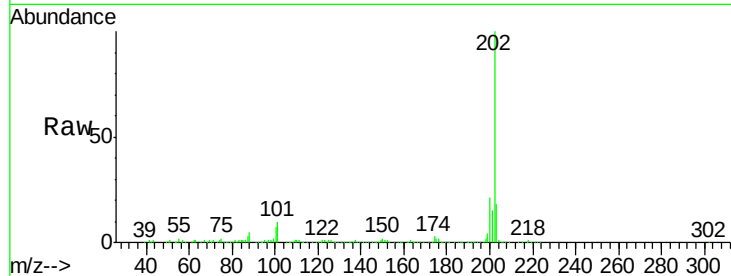
ClientSampleId :

TEC-COMP4

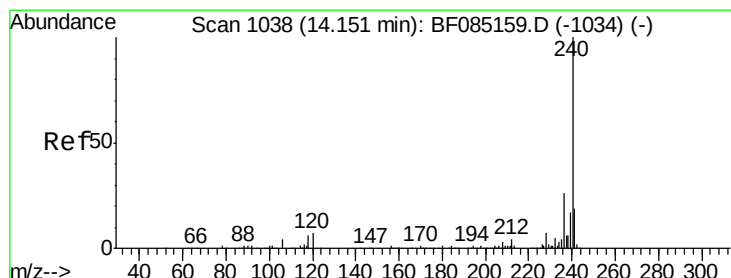
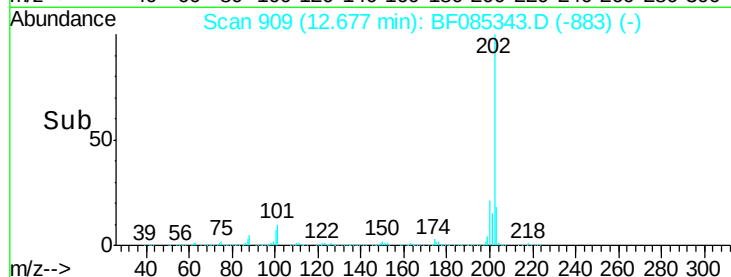
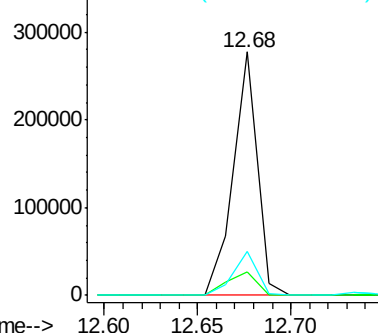
Tgt	Ion	202	Resp:	245166
Ion	Ratio		Lower	Upper
202	100			
101	9.8	0.0	31.8	
203	17.9	0.0	38.4	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1034

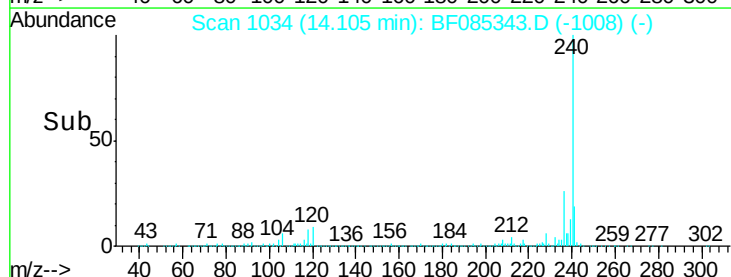
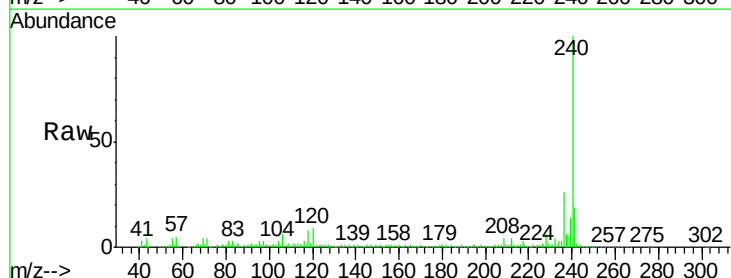
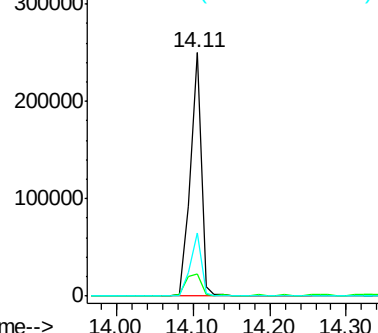
Delta R.T. 0.00 min

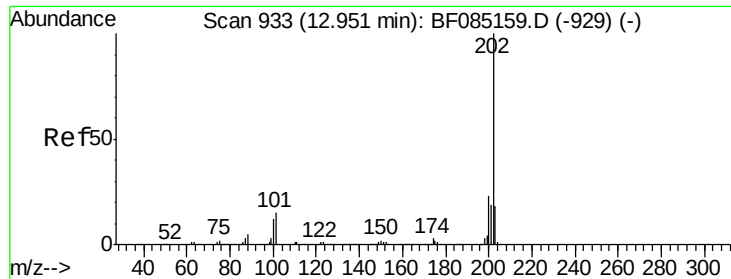
Lab File: BF085343.D

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Tgt	Ion	240	Resp:	248661
Ion	Ratio		Lower	Upper
240	100			
120	9.0	5.3	7.9#	
236	25.8	20.7	31.1	

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





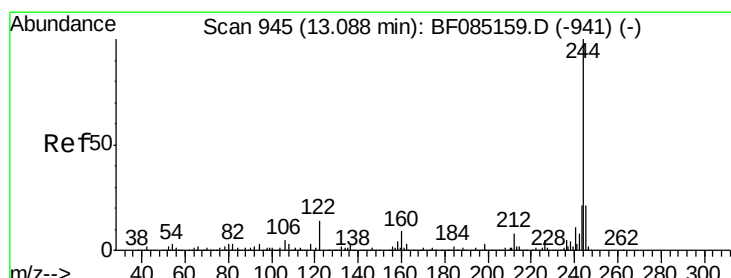
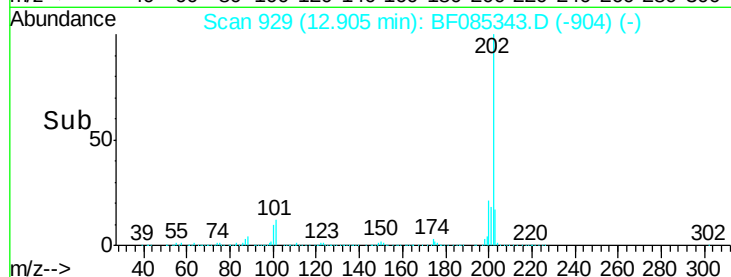
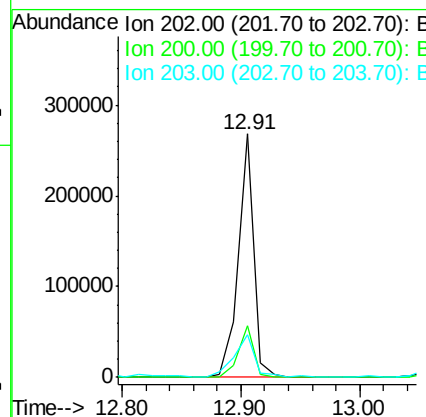
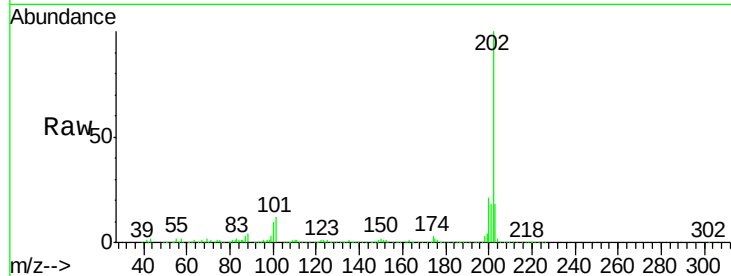
#77
 Pyrene
 Concen: 12.87 ng
 RT: 12.91 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	240877		
200	21.2		18.2	27.4
203	17.6		14.7	22.1

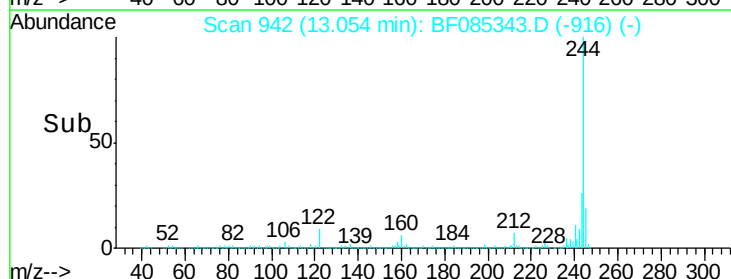
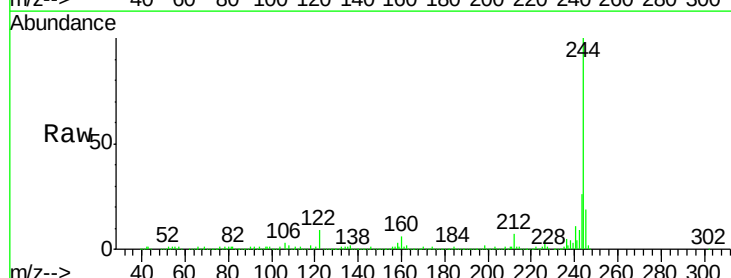
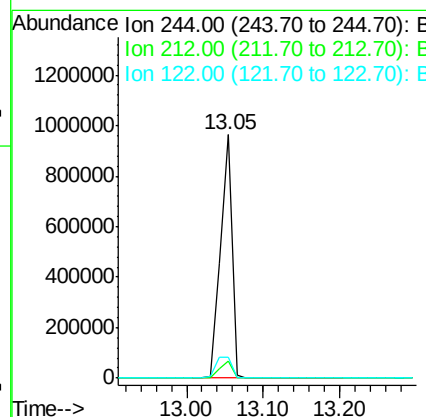
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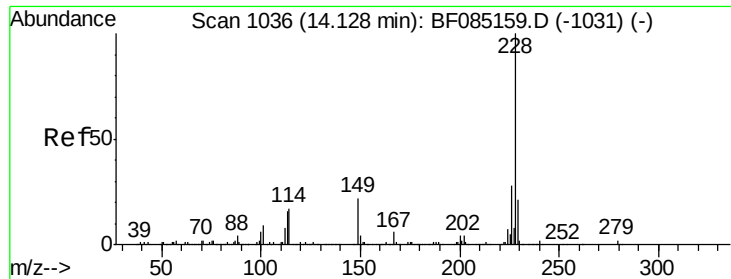
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#78
 Terphenyl-d14
 Concen: 92.41 ng
 RT: 13.05 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	989908		
212	6.8		6.4	9.6
122	8.5		11.4	17.2





#80

Benzo(a)anthracene

Concen: 7.55 ng m

RT: 14.09 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

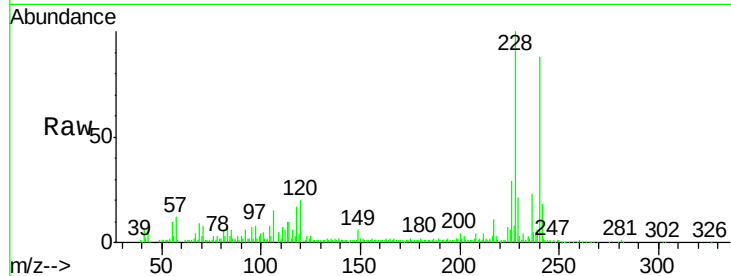
ClientSampleId :

TEC-COMP4

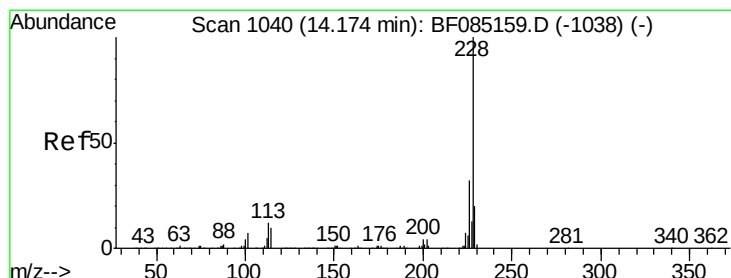
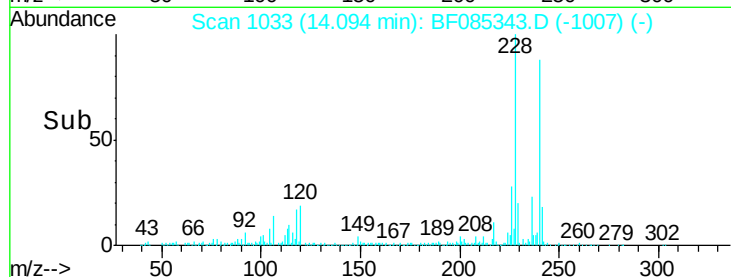
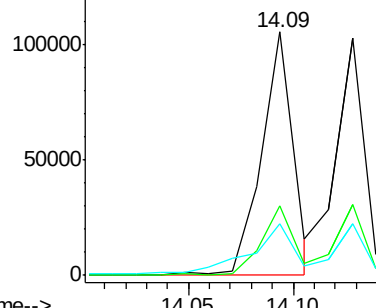
Tgt Ion:	228	Resp:	112348
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.8	34.2
229	21.0	16.6	24.8

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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



#82

Chrysene

Concen: 7.19 ng m

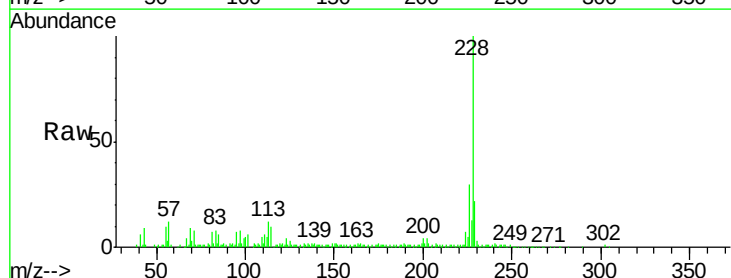
RT: 14.13 min Scan# 1036

Delta R.T. -0.01 min

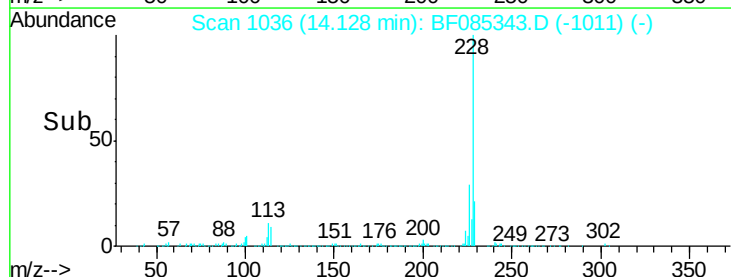
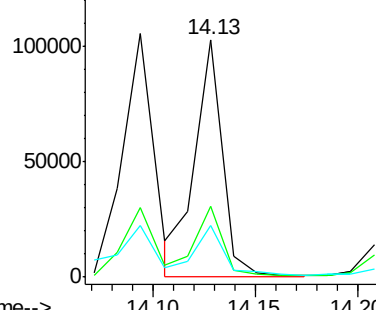
Lab File: BF085343.D

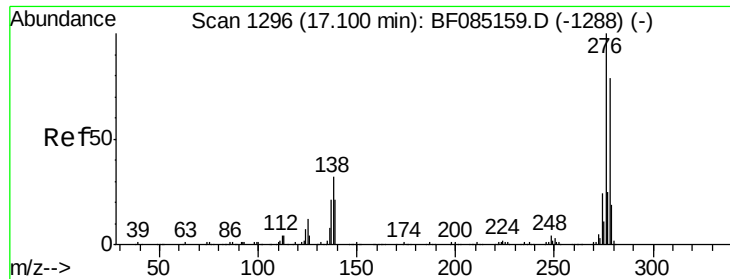
Acq: 10 Mar 2016 19:59

Tgt Ion:	228	Resp:	98881
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.2	37.8
229	21.7	16.0	24.0



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





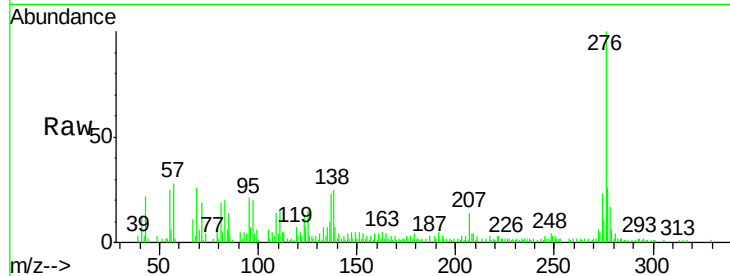
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.92 ng
RT: 17.02 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :
TEC-COMP4

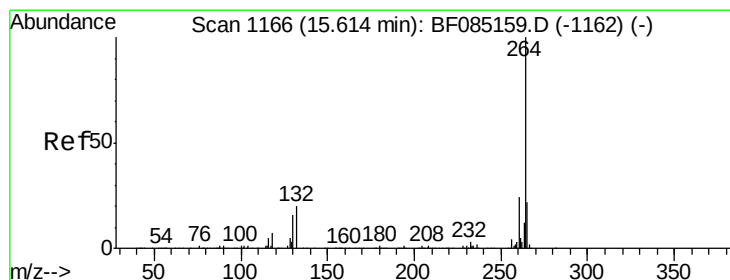
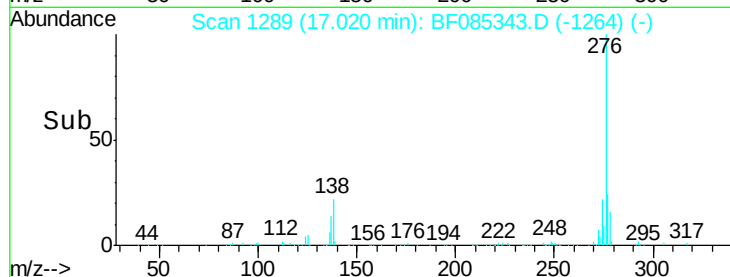
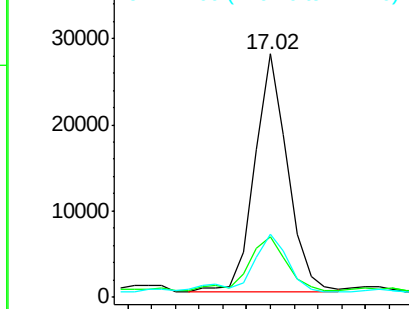
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	26.4	39.6#
277	28.8	20.2	30.2

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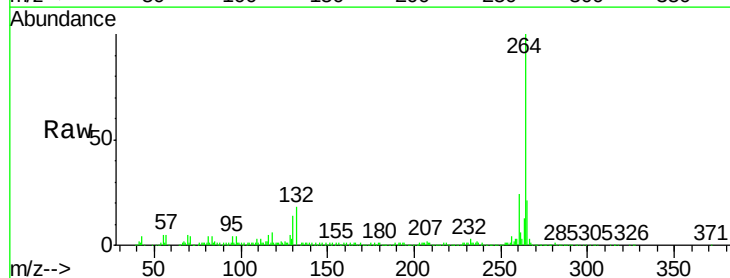


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

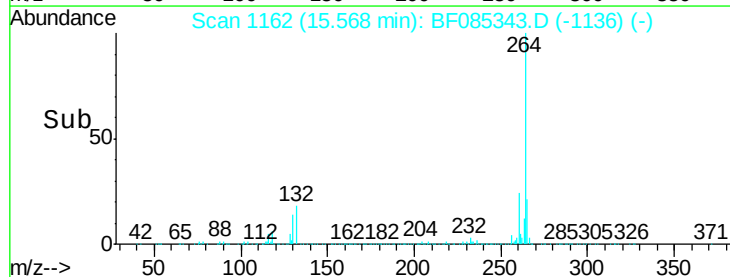
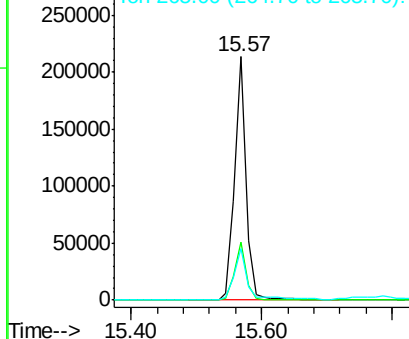


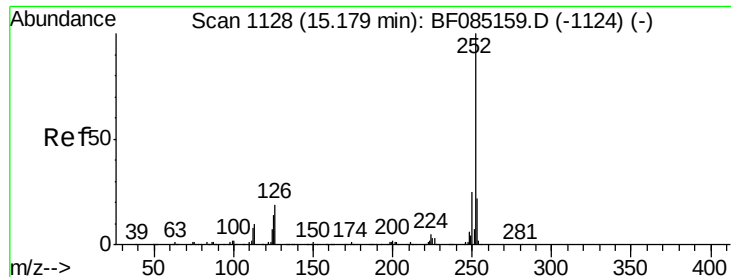
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.4	17.3	25.9



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: 8.00 ng m

RT: 15.15 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BF085343.D

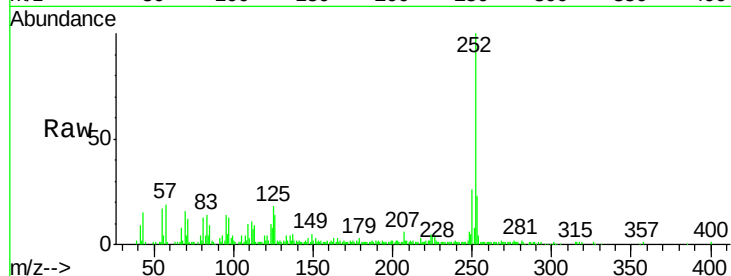
Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

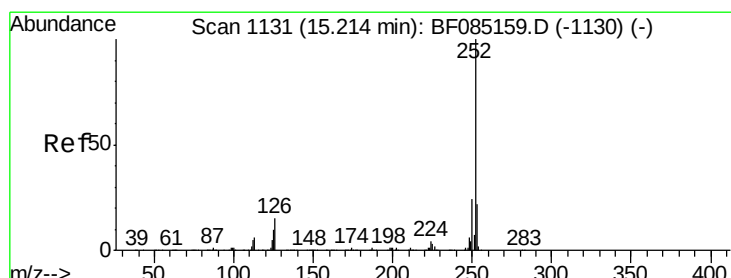
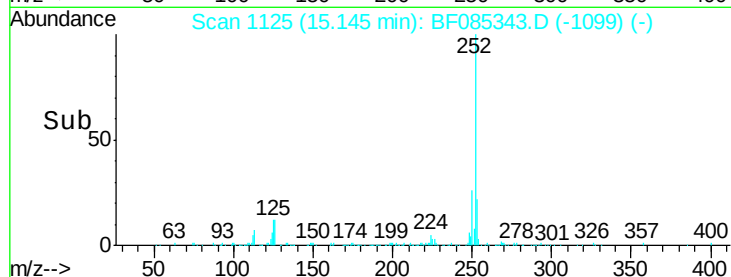
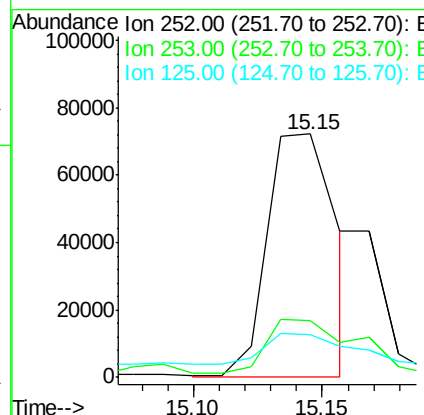
TEC-COMP4



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	17.7	11.3	16.9

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#88

Benzo(k)fluoranthene

Concen: 2.71 ng m

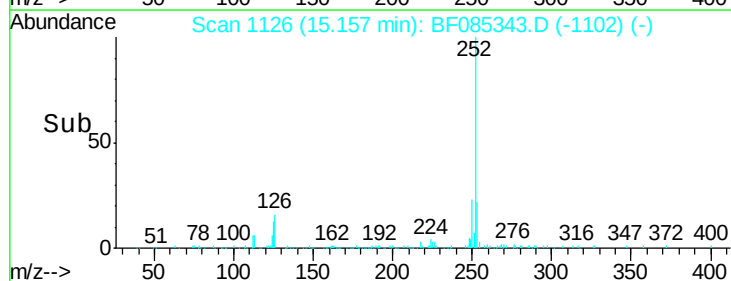
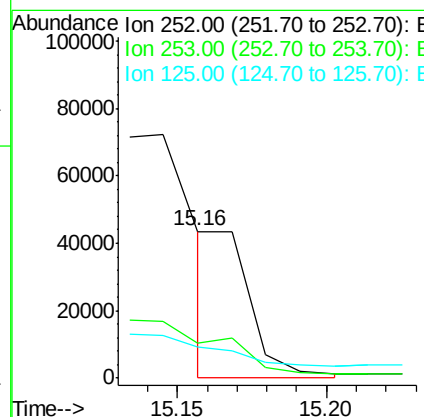
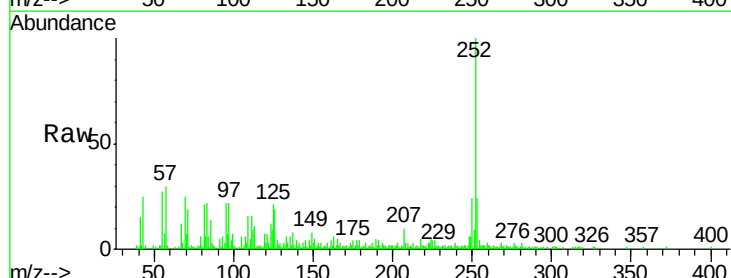
RT: 15.16 min Scan# 1126

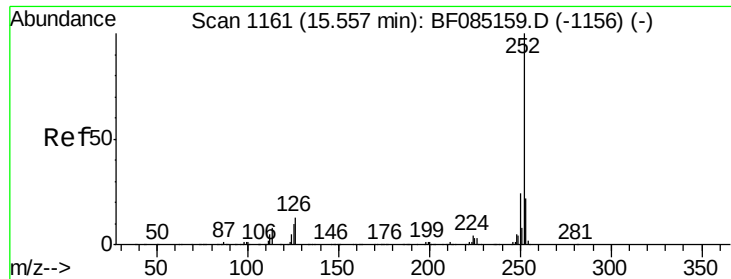
Delta R.T. -0.02 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	21.4	10.4	15.6





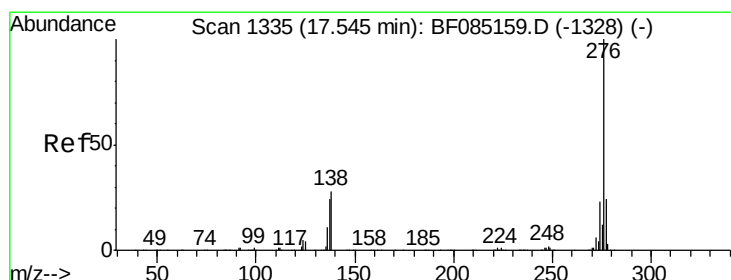
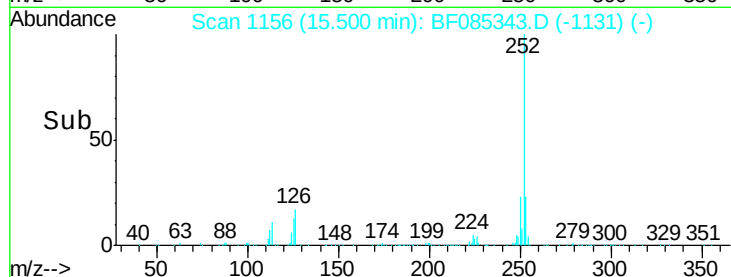
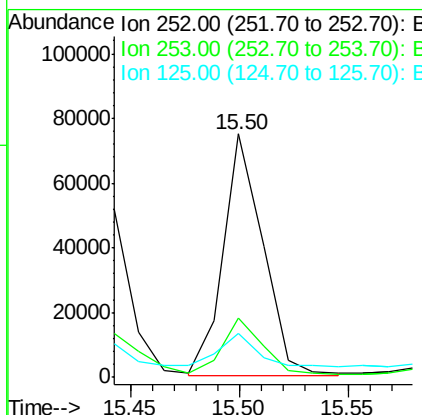
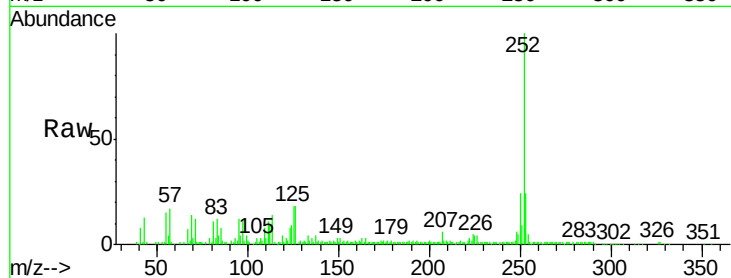
#89
Benzo(a)pyrene
Concen: 6.76 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :
TEC-COMP4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	17.8	8.2	12.4

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#91
Benzo(g,h,i)perylene
Concen: 4.21 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	24.8	22.5	33.7

