

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085531.D
 Acq On : 18 Mar 2016 11:33
 Operator : UM/SJ
 Sample : H1730-02RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 3/18/2016 3:44:38 PM

Quant Time: Mar 18 12:25:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	163666	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	570150	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	235768	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	369366	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	278078	20.00	ng	-0.06
86) Perylene-d12	15.47	264	258727	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	978641	102.79	ng	-0.03
7) Phenol-d6	6.50	99	1235928	100.07	ng	-0.05
23) Nitrobenzene-d5	7.44	82	888301	92.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	210930	97.13	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1117325	82.22	ng	-0.05
78) Terphenyl-d14	12.98	244	723098	58.82	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	270859	15.75	ng	99
70) Phenanthrene	11.42	178	68201	3.55	ng	96
74) Fluoranthene	12.61	202	150098	8.30	ng	94
77) Pyrene	12.84	202	138302	6.63	ng	97
80) Benzo(a)anthracene	14.01	228	88626	5.56	ng	97
82) Chrysene	14.06	228	66040m	4.60	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	39848	2.93	ng	91
87) Benzo(b)fluoranthene	15.05	252	93973m	5.56	ng	
88) Benzo(k)fluoranthene	15.07	252	38233m	2.89	ng	
89) Benzo(a)pyrene	15.41	252	70901	4.86	ng	# 95
91) Benzo(g,h,i)perylene	17.31	276	39446	2.71	ng	97

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

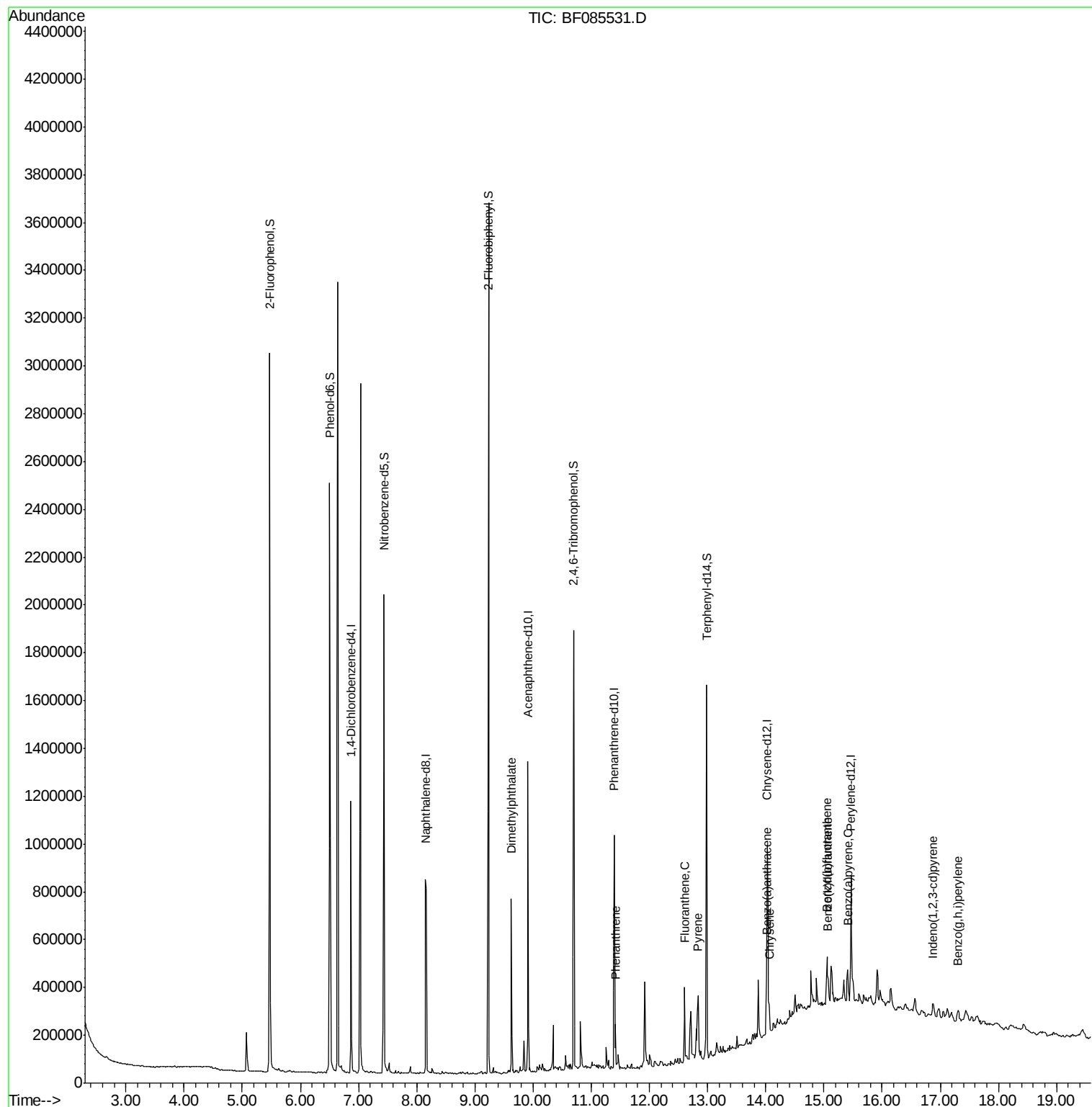
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
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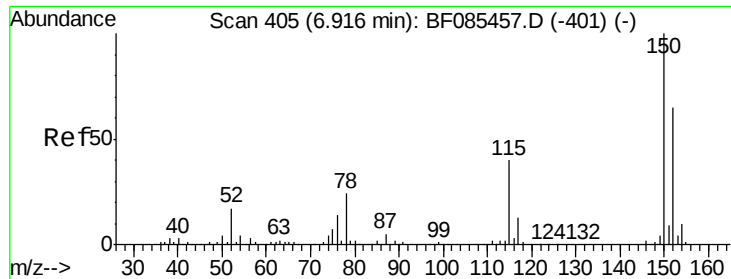
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

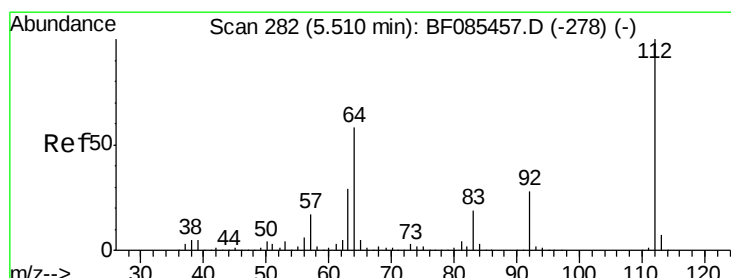
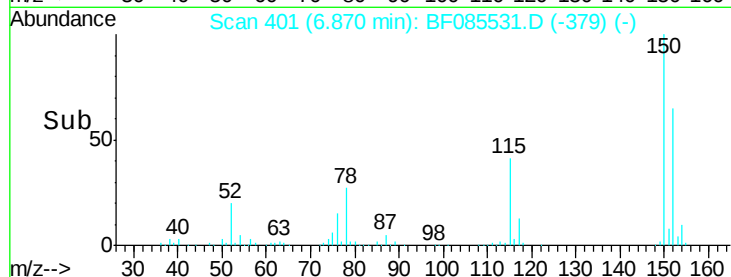
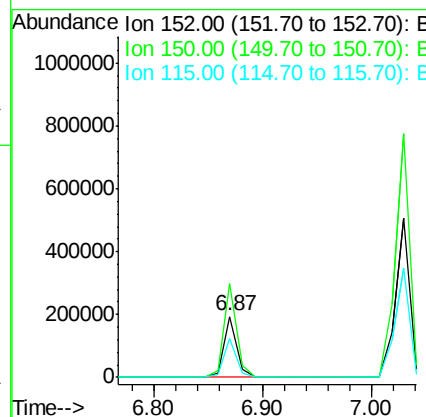
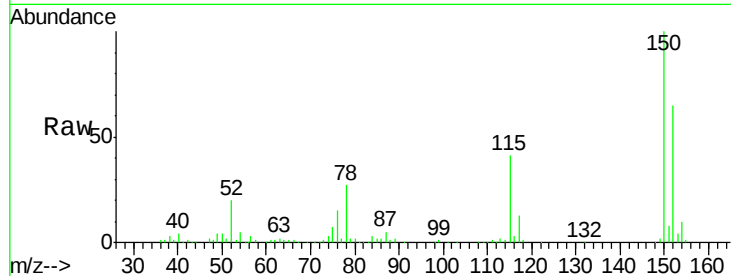
ClientSampleId :

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

Tgt Ion:	152	Resp:	163666
Ion Ratio	Lower	Upper	
152	100		
150	154.8	124.6	186.8
115	64.1	46.6	70.0

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#5

2-Fluorophenol

Concen: 102.79 ng

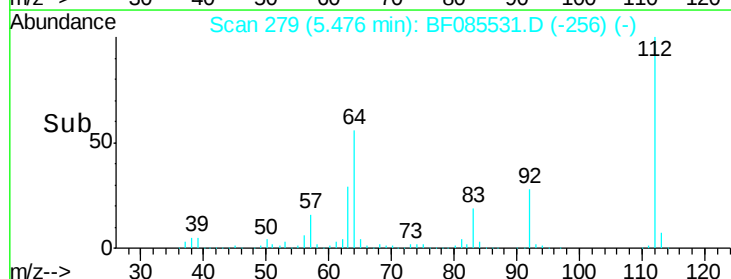
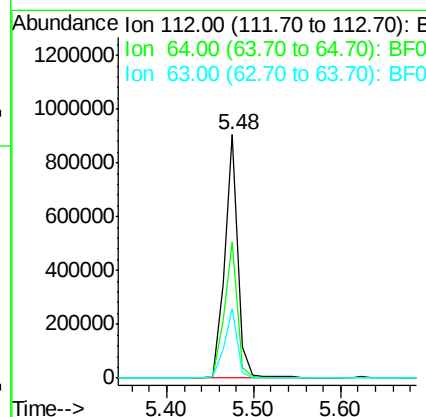
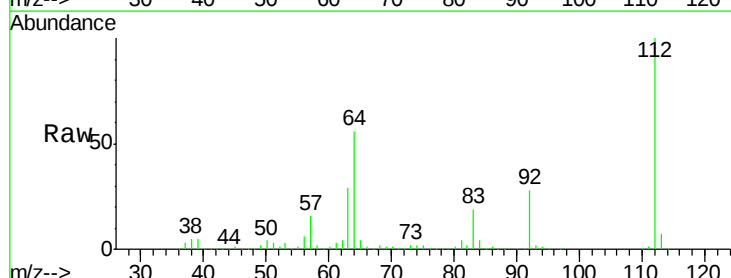
RT: 5.48 min Scan# 279

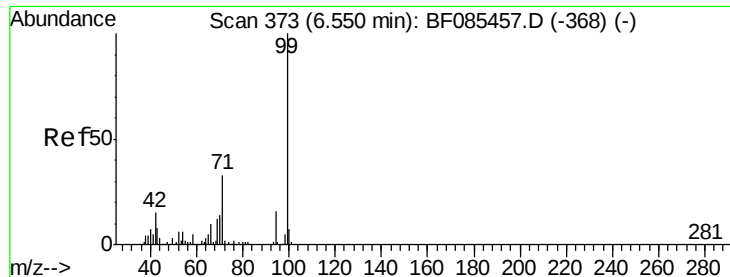
Delta R.T. -0.03 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Tgt Ion:	112	Resp:	978641
Ion Ratio	Lower	Upper	
112	100		
64	55.7	49.0	73.4
63	28.7	24.8	37.2





#7

Phenol-d6

Concen: 100.07 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085531.D

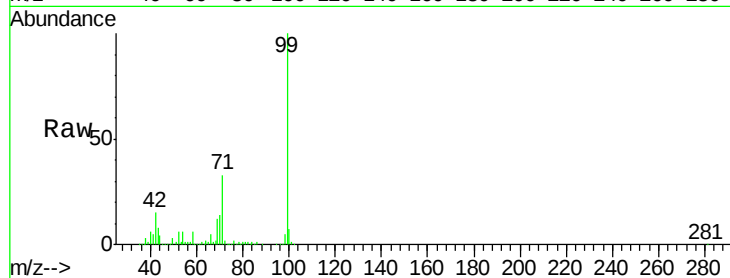
Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

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



Tgt Ion: 99 Resp: 1235928

Ion Ratio Lower Upper

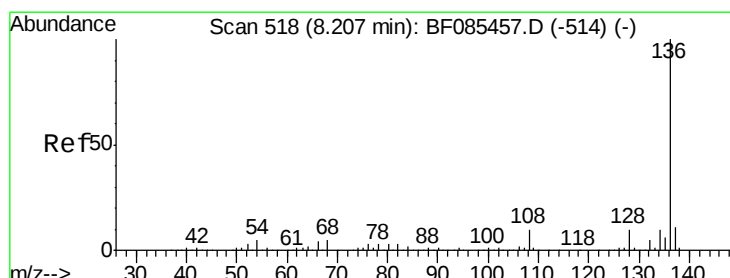
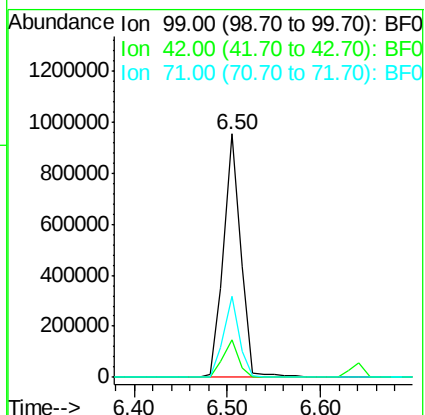
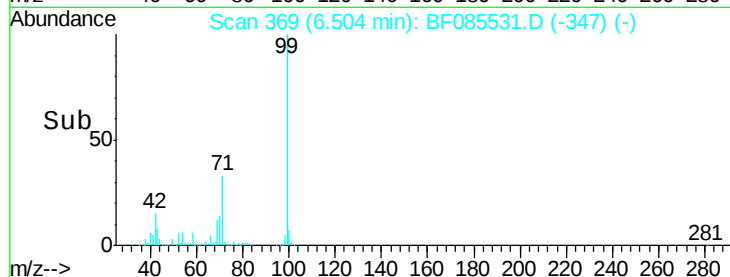
99 100

42 15.5 13.6 20.4

71 33.3 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Tgt Ion: 136 Resp: 570150

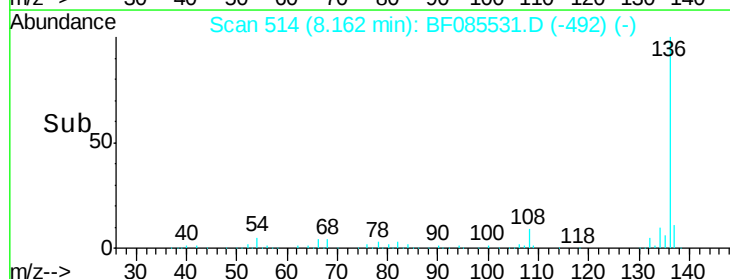
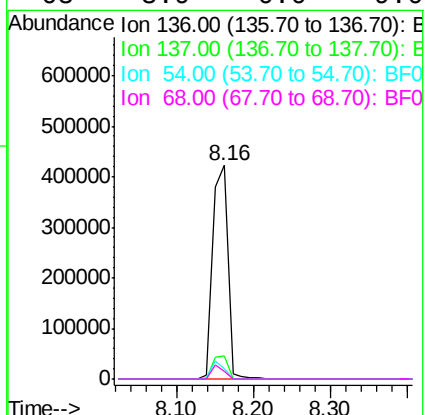
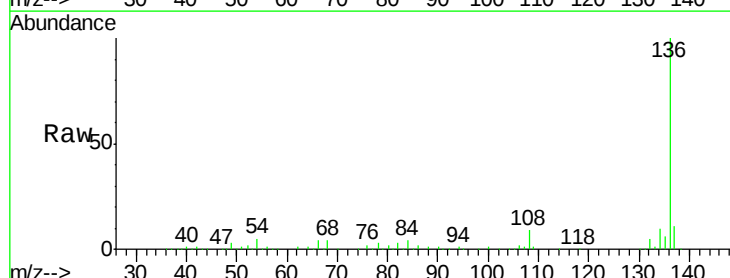
Ion Ratio Lower Upper

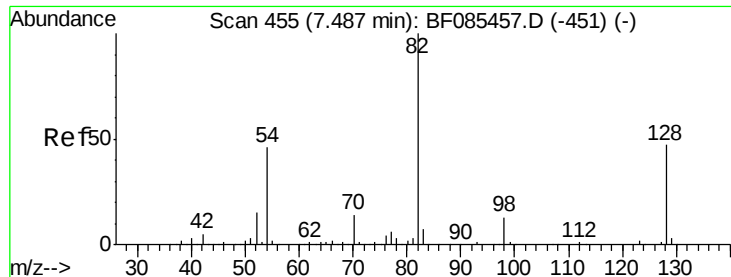
136 100

137 10.5 9.3 13.9

54 4.6 7.4 11.2#

68 3.9 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 92.12 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

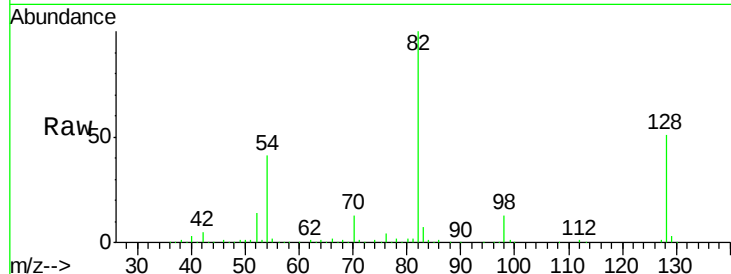
ClientSampleId :

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

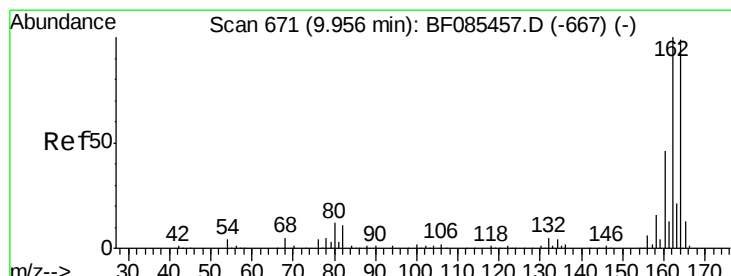
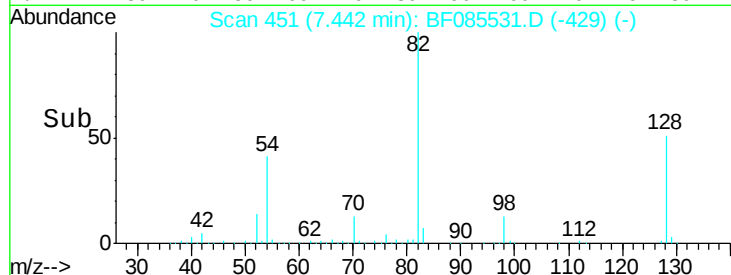
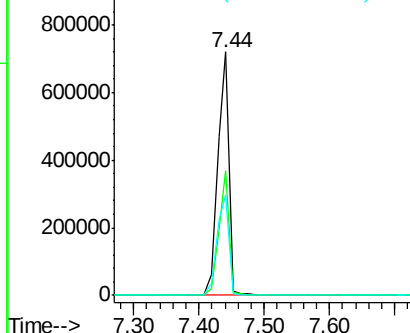
Tgt Ion:	82	Resp:	888301
Ion Ratio	Lower	Upper	
82	100		
128	51.1	34.5	51.7
54	41.1	39.3	58.9

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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

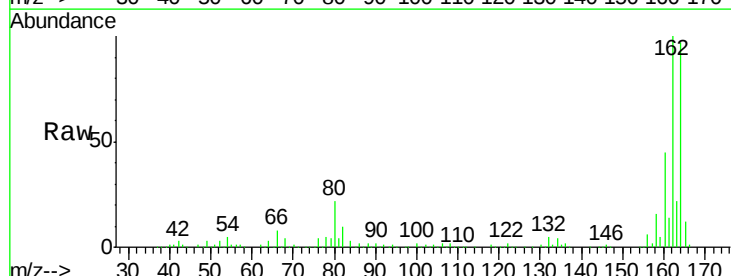
RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

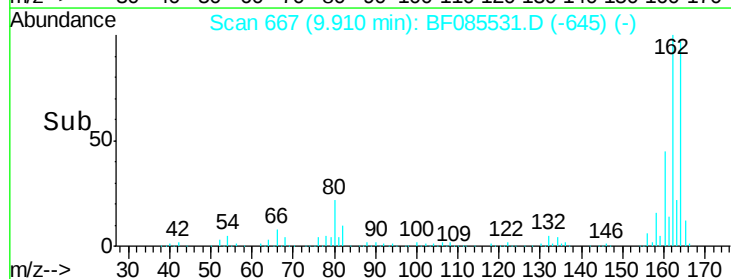
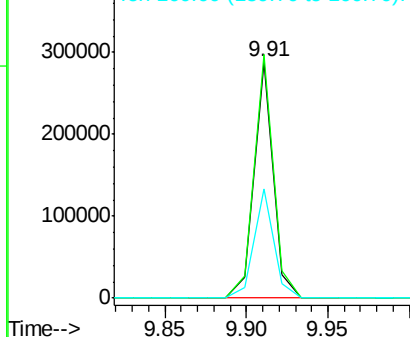
Lab File: BF085531.D

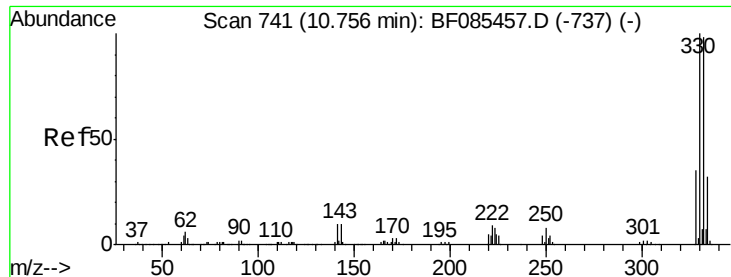
Acq: 18 Mar 2016 11:33

Tgt Ion:	164	Resp:	235768
Ion Ratio	Lower	Upper	
164	100		
162	103.1	83.3	124.9
160	46.2	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





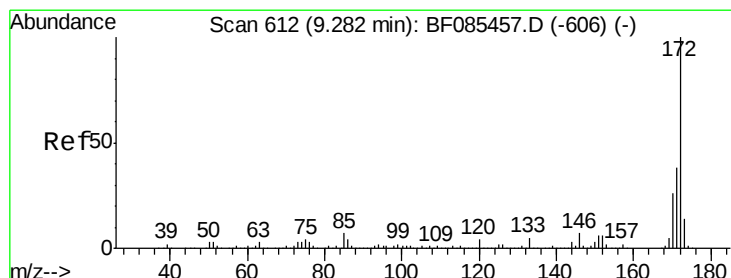
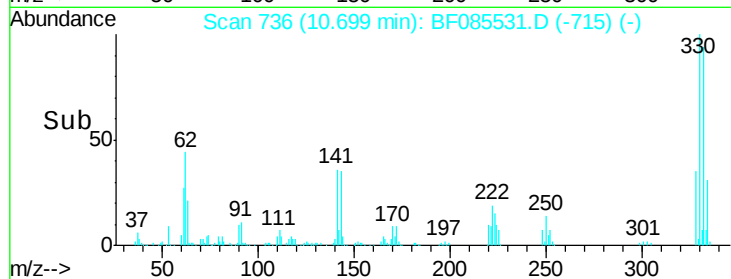
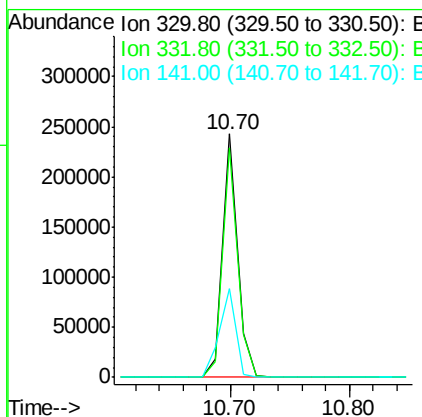
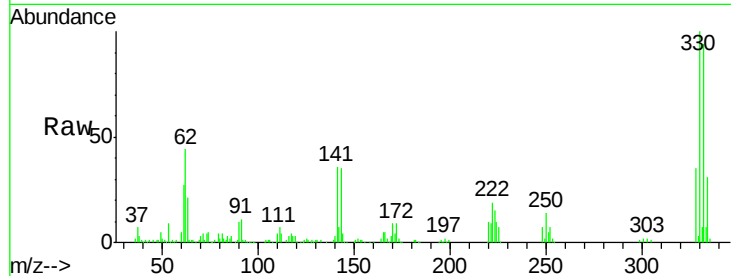
#41
 2,4,6-Tribromophenol
 Concen: 97.13 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.06 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	210930		
332	94.5	77.1	115.7	
141	40.4	35.0	52.6	

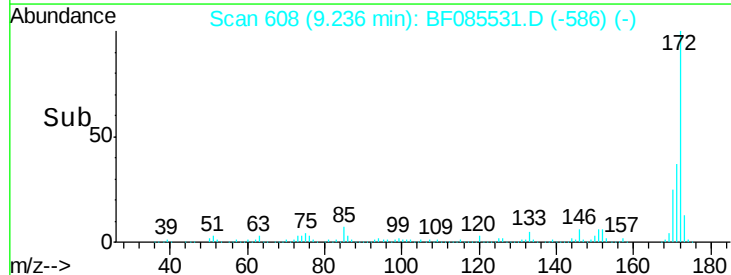
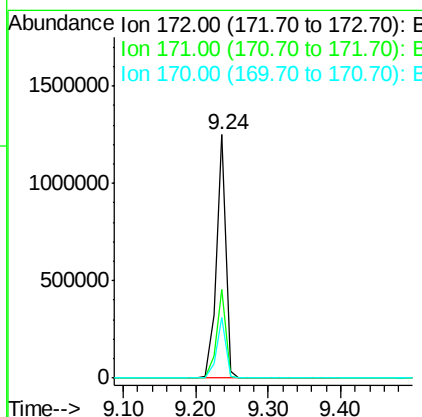
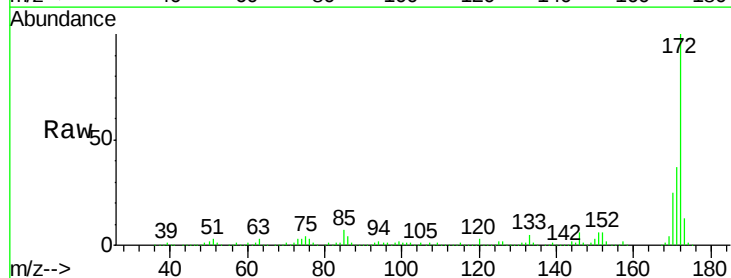
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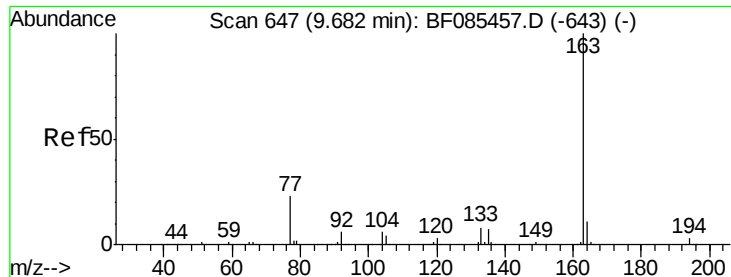
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#44
 2-Fluorobiphenyl
 Concen: 82.22 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1117325		
171	36.5	29.3	43.9	
170	24.8	20.0	30.0	





#49

Dimethylphthalate

Concen: 15.75 ng

RT: 9.62 min Scan# 642

Delta R.T. -0.06 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

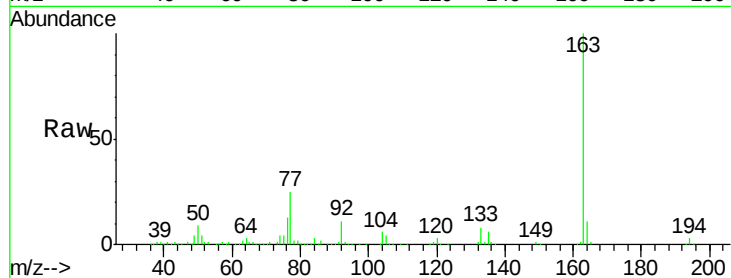
ClientSampleId :

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

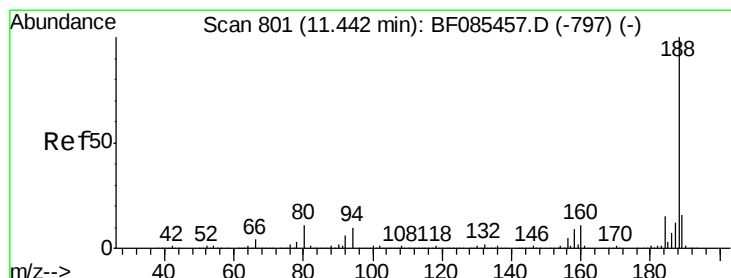
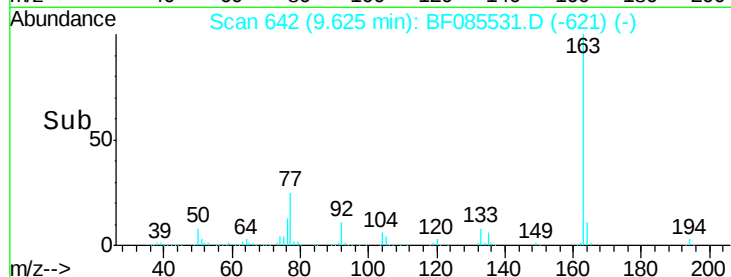
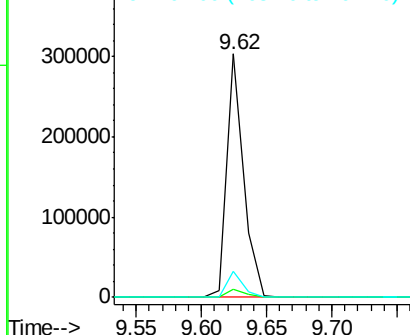
Tgt Ion:	163	Resp:	270859
Ion Ratio	Lower	Upper	
163	100		
194	3.2	3.1	4.7
164	10.6	8.2	12.4

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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

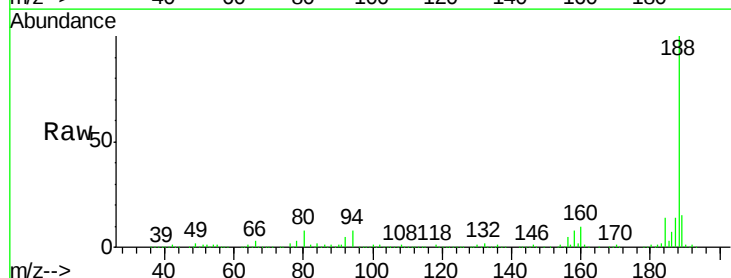
RT: 11.40 min Scan# 797

Delta R.T. -0.05 min

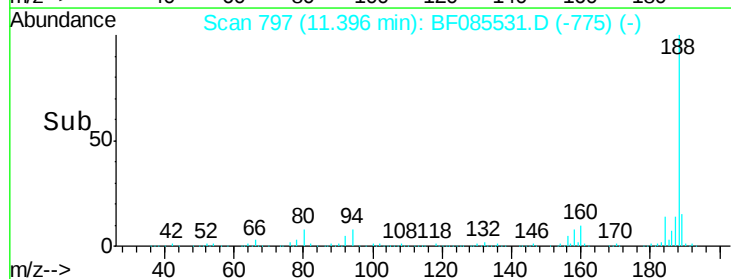
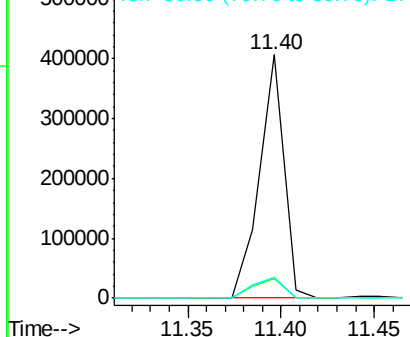
Lab File: BF085531.D

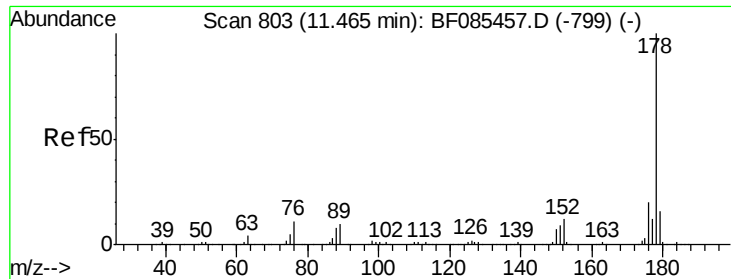
Acq: 18 Mar 2016 11:33

Tgt Ion:	188	Resp:	369366
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.0	10.6
80	8.5	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: 3.55 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

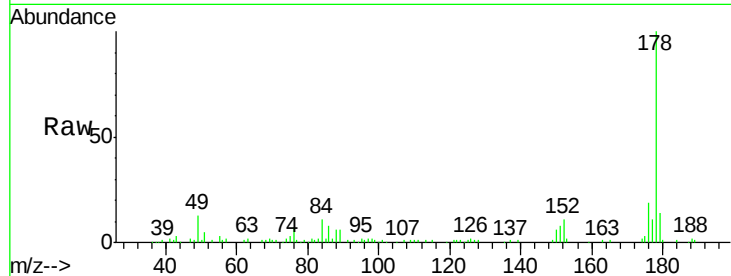
ClientSampleId :

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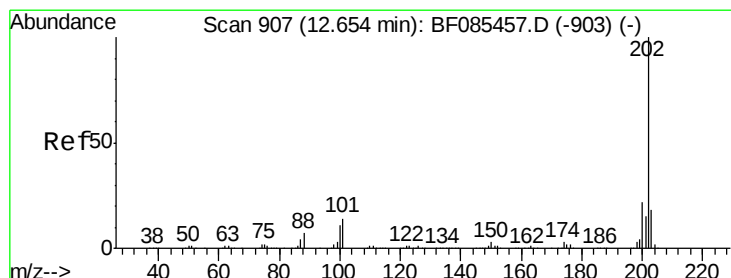
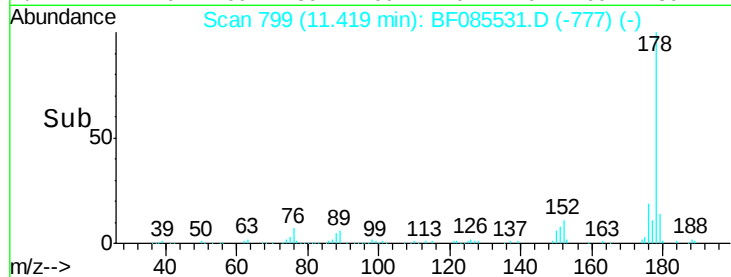
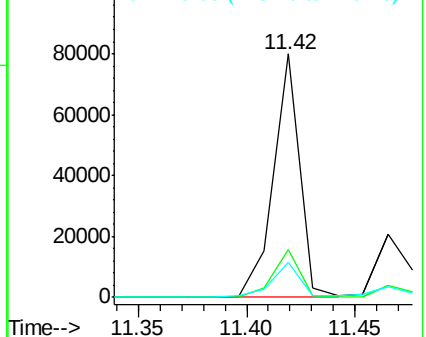
Tgt Ion:	178	Resp:	68201
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.8	25.2
179	14.5	13.1	19.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.30 ng

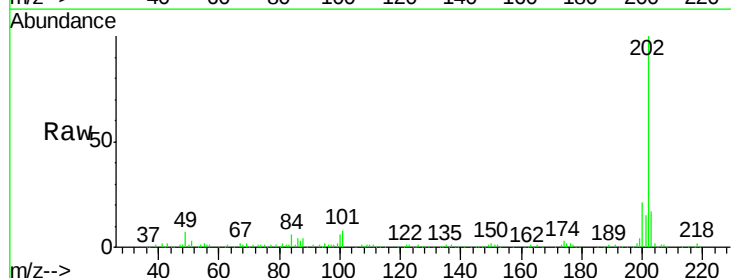
RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

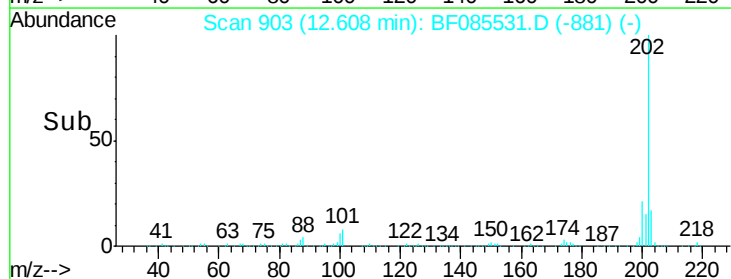
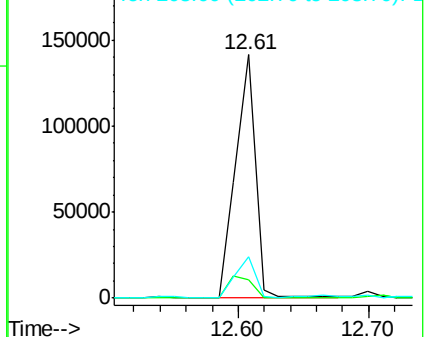
Lab File: BF085531.D

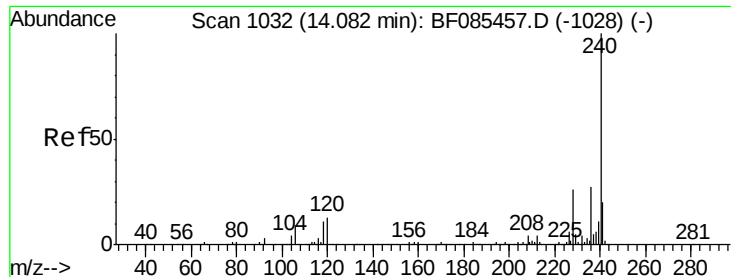
Acq: 18 Mar 2016 11:33

Tgt Ion:	202	Resp:	150098
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	31.8
203	16.9	0.0	38.4



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: 14.03 min Scan# 1027

Delta R.T. -0.06 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

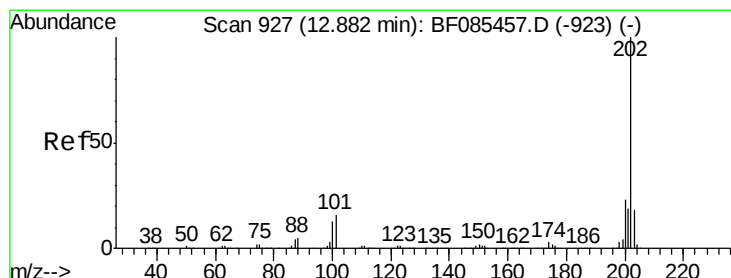
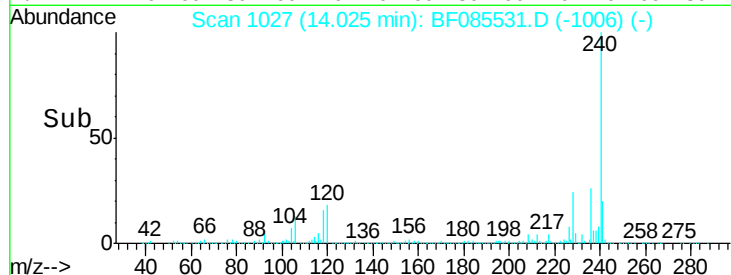
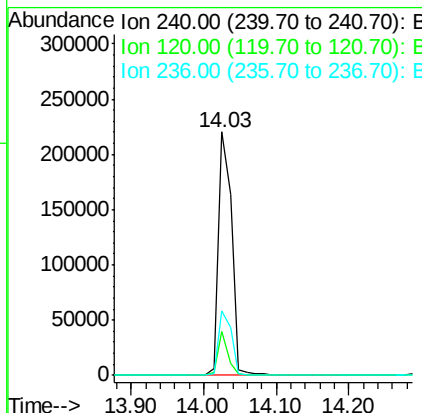
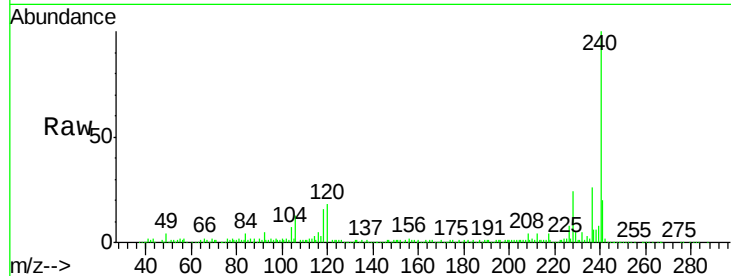
ClientSampleId :

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

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	278078		
120	18.0	5.3	7.9#	
236	26.4	20.7	31.1	

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#77

Pyrene

Concen: 6.63 ng

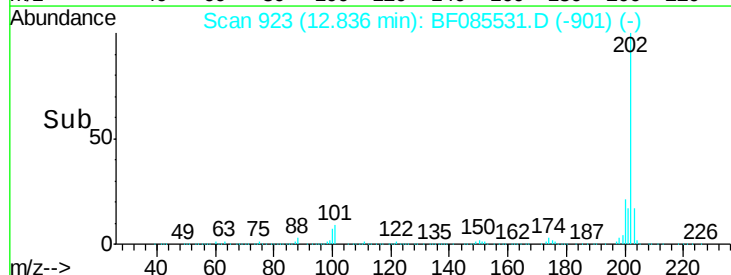
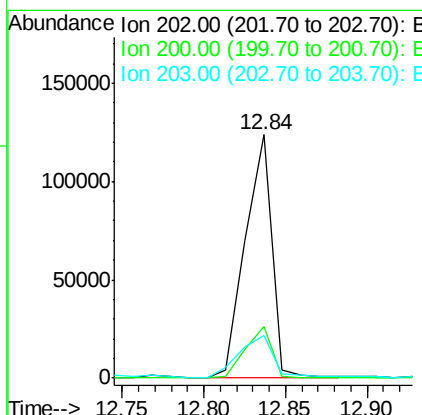
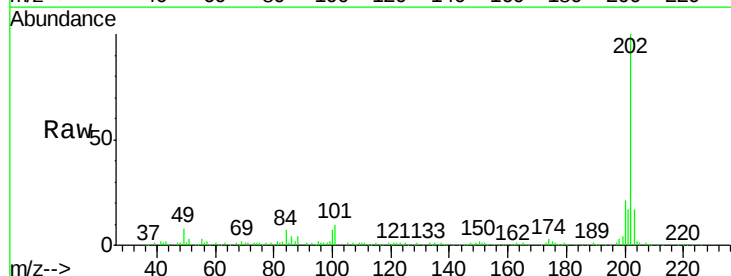
RT: 12.84 min Scan# 923

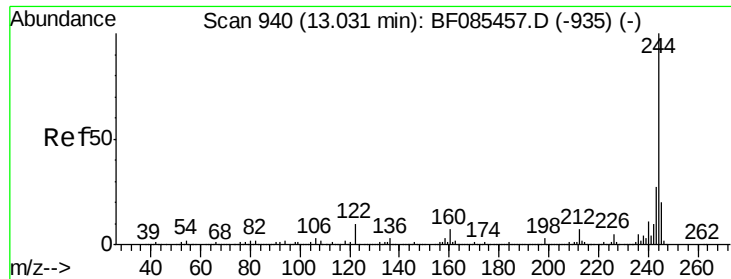
Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	138302		
200	20.9	18.2	27.4	
203	17.3	14.7	22.1	





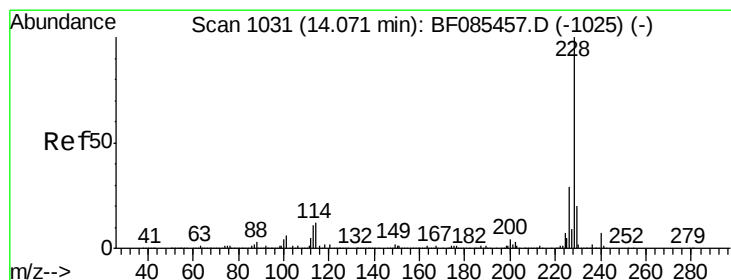
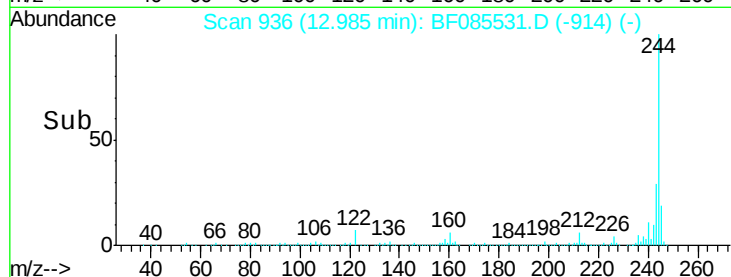
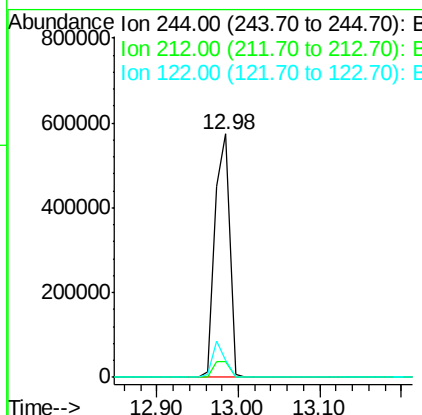
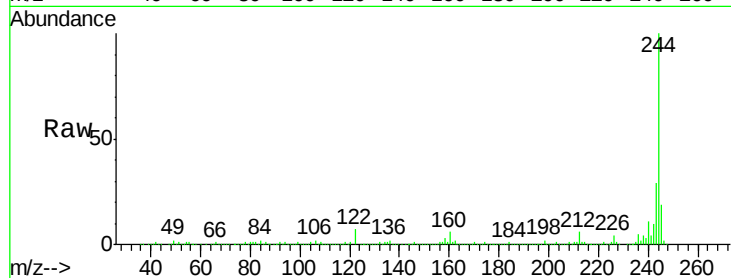
#78
 Terphenyl-d14
 Concen: 58.82 ng
 RT: 12.98 min Scan# 936
 Delta R.T. -0.05 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	6.4	9.6#
122	7.0	11.4	17.2#

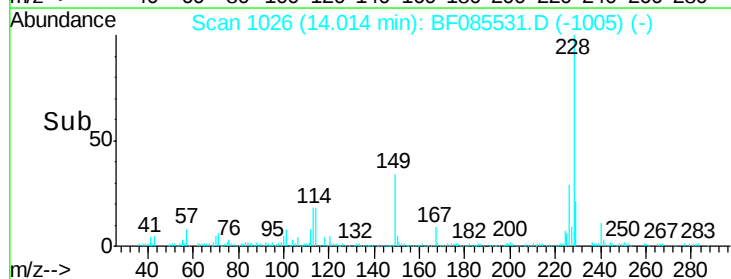
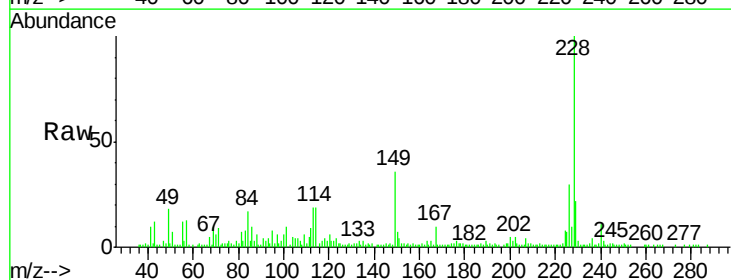
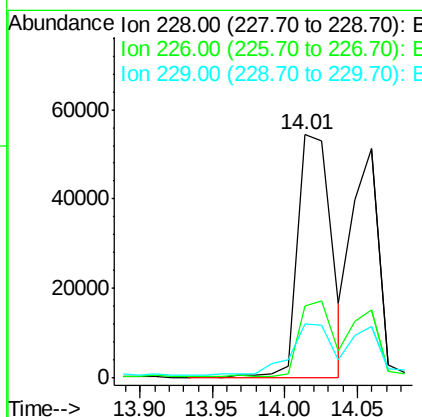
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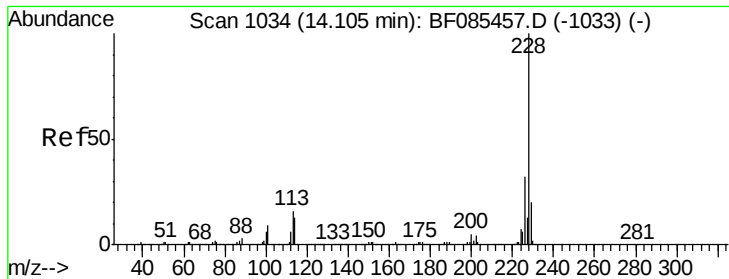
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#80
 Benzo(a)anthracene
 Concen: 5.56 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.06 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.8	22.8	34.2
229	22.5	16.6	24.8





#82

Chrysene

Concen: 4.60 ng m

RT: 14.06 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

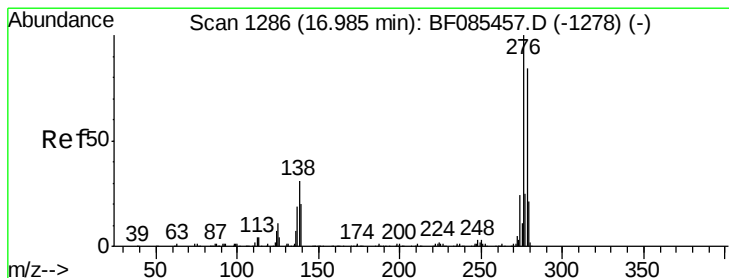
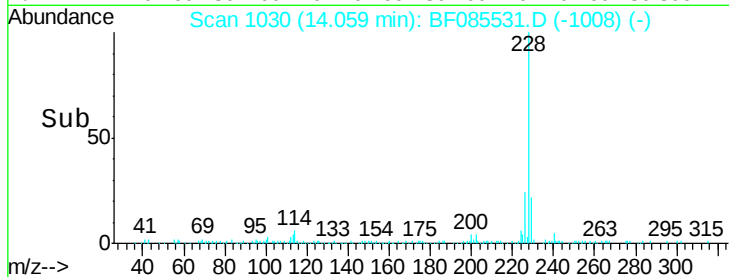
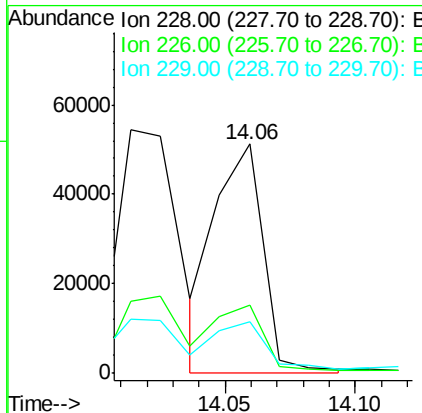
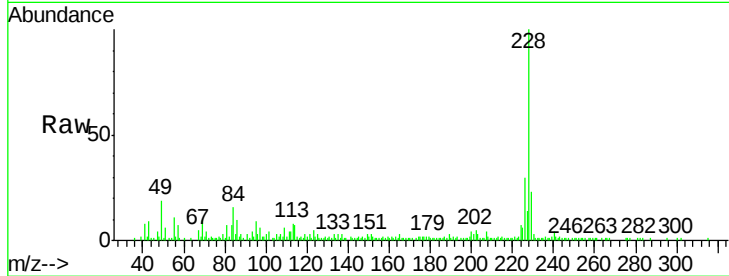
ClientSampleId :

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

Tgt Ion:	228	Resp:	66040
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.2	37.8
229	22.6	16.0	24.0

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.93 ng

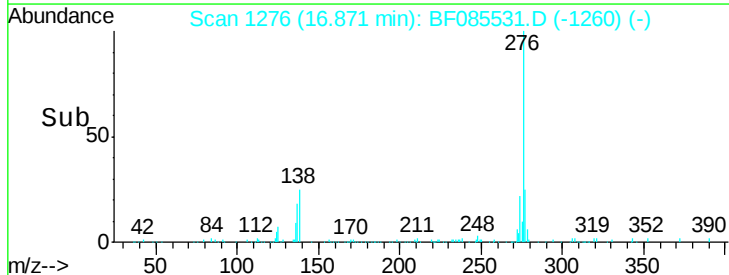
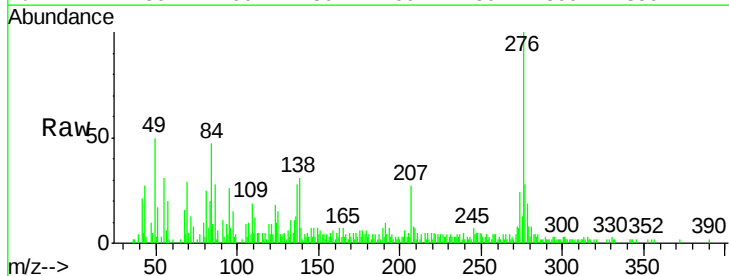
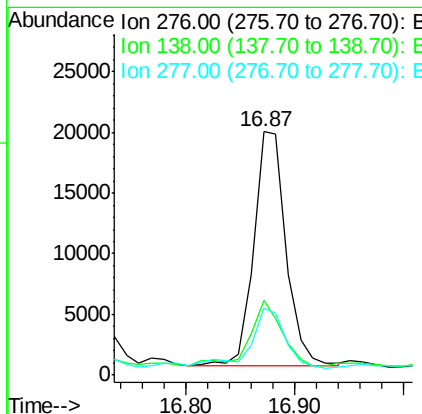
RT: 16.87 min Scan# 1276

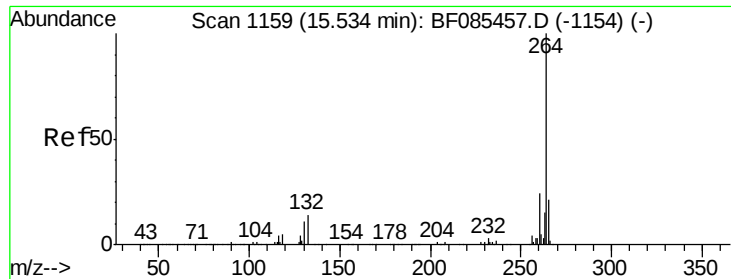
Delta R.T. -0.11 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Tgt Ion:	276	Resp:	39848
Ion Ratio	Lower	Upper	
276	100		
138	28.5	26.4	39.6
277	30.0	20.2	30.2





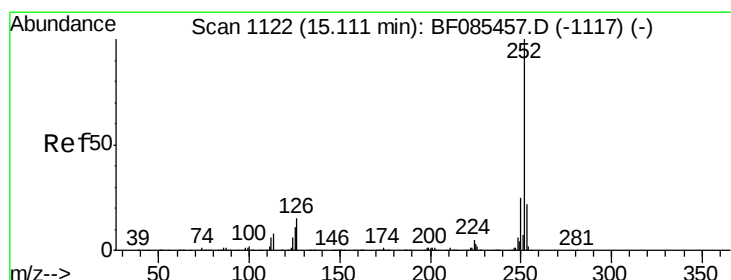
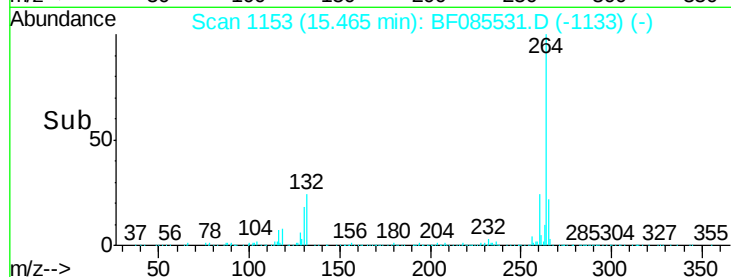
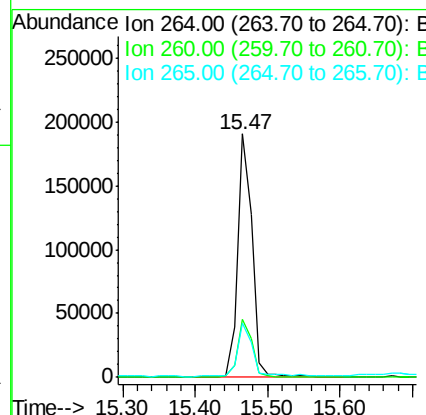
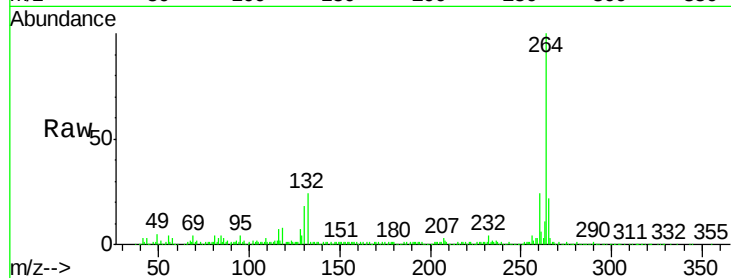
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	258727		
260	24.0	19.2	28.8	
265	22.4	17.3	25.9	

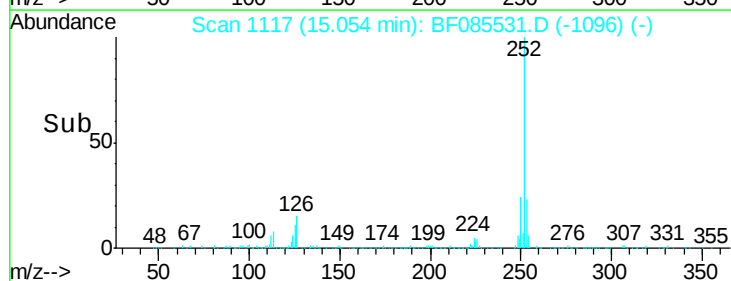
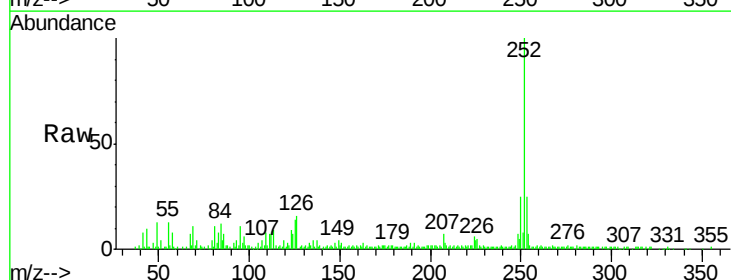
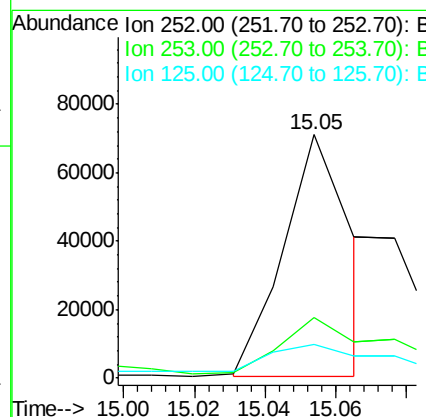
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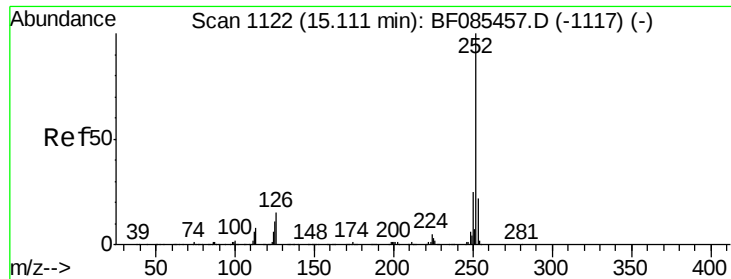
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#87
Benzo(b)fluoranthene
Concen: 5.56 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	93973		
253	24.7	17.8	26.6	
125	14.0	11.3	16.9	





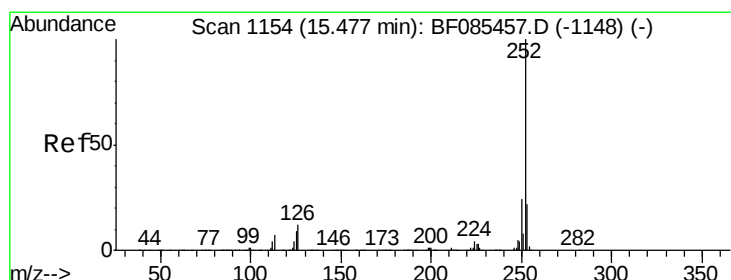
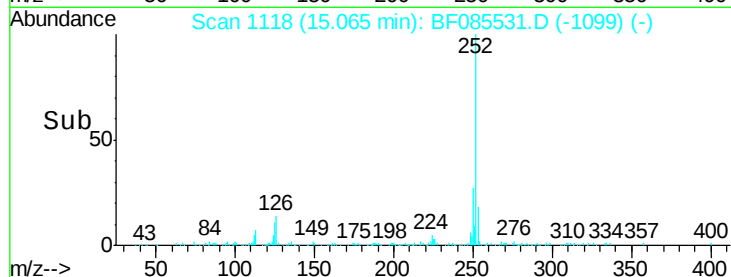
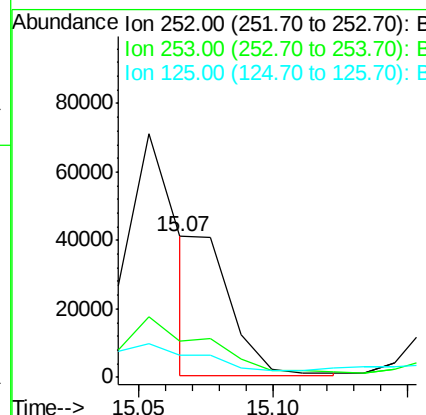
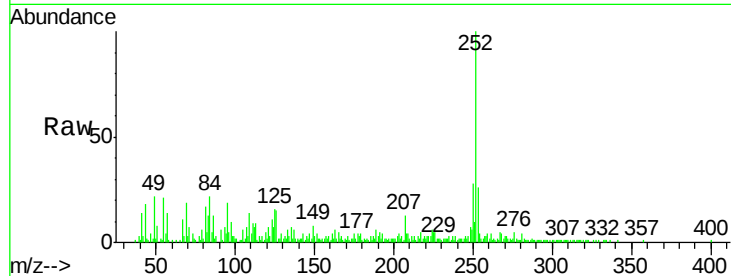
#88
Benzo(k)fluoranthene
Concen: 2.89 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.08 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	15.8	10.4	15.6

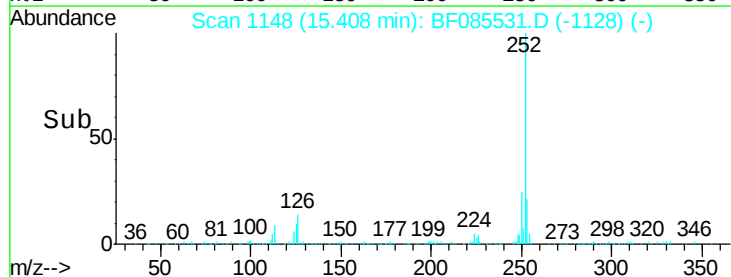
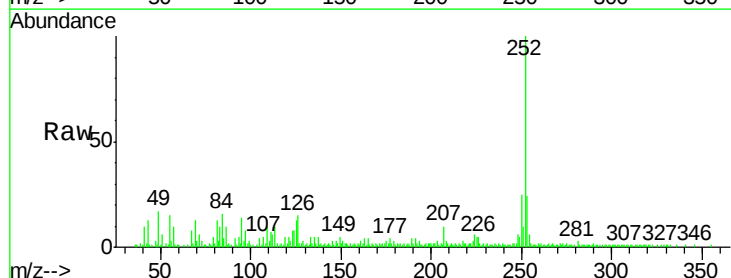
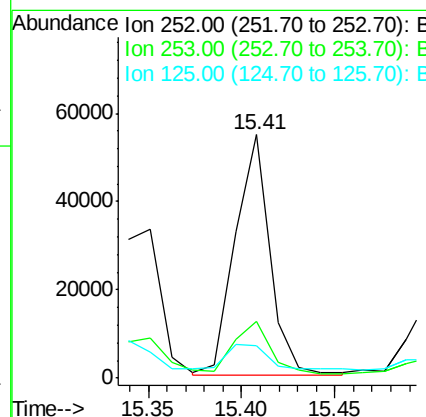
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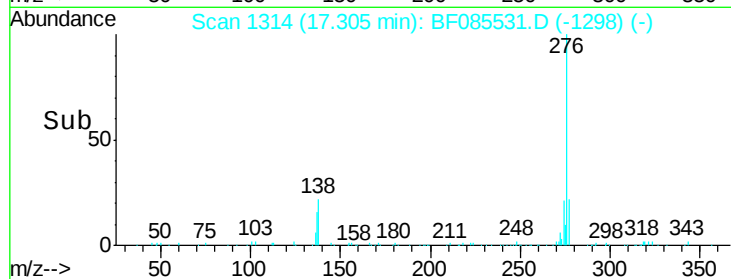
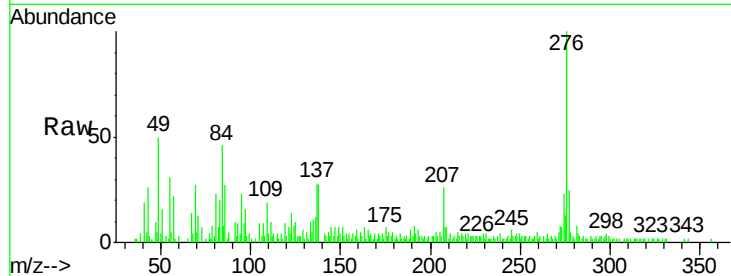
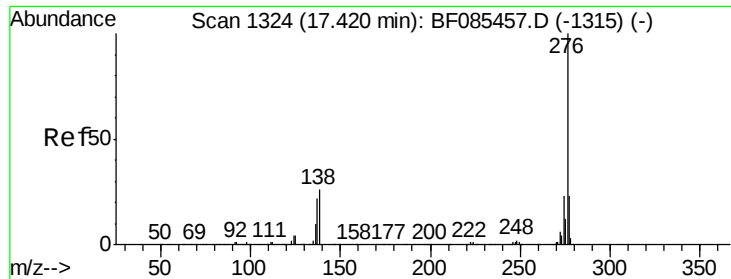
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#89
Benzo(a)pyrene
Concen: 4.86 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	13.3	8.2	12.4





#91

Benzo(g,h,i)perylene

Concen: 2.71 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

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

Tgt Ion:	276	Resp:	39446
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	26.6	22.5	33.7

Manual Integrations
APPROVED

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