

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098545.D
 Acq On : 14 Sep 2017 23:18
 Operator : SJ/JU
 Sample : I5161-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-12-0-13

Manual Integrations
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 9/15/2017 5:44:22 PM

Quant Time: Sep 15 06:49:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	133831	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	563629	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	239285	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	365028	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	257302	20.00	ng	-0.02
86) Perylene-d12	15.19	264	290023	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	938307	103.66	ng	-0.02
7) Phenol-d6	6.31	99	1188520	103.42	ng	-0.01
23) Nitrobenzene-d5	7.22	82	701084	69.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	150852	94.46	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	811583	57.49	ng	-0.03
78) Terphenyl-d14	12.74	244	531201	44.56	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	37131	2.782	ng	# 61
20) 3+4-Methylphenols	7.10	107	27054	2.641	ng	# 57
49) Dimethylphthalate	9.40	163	191315	10.329	ng	99
70) Phenanthrene	11.19	178	188857	9.759	ng	97
74) Fluoranthene	12.37	202	321870	16.615	ng	97
77) Pyrene	12.60	202	267530	13.180	ng	98
80) Benzo(a)anthracene	13.79	228	140627	9.322	ng	98
82) Chrysene	13.82	228	145597	9.548	ng	97
85) Indeno(1,2,3-cd)pyrene	16.53	276	77324	7.228	ng	92
87) Benzo(b)fluoranthene	14.80	252	196758m	10.790	ng	
88) Benzo(k)fluoranthene	14.82	252	74063m	4.350	ng	
89) Benzo(a)pyrene	15.14	252	147327	9.068	ng	99
91) Benzo(a,h,i)perylene	16.93	276	70002	5.889	ng	93

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

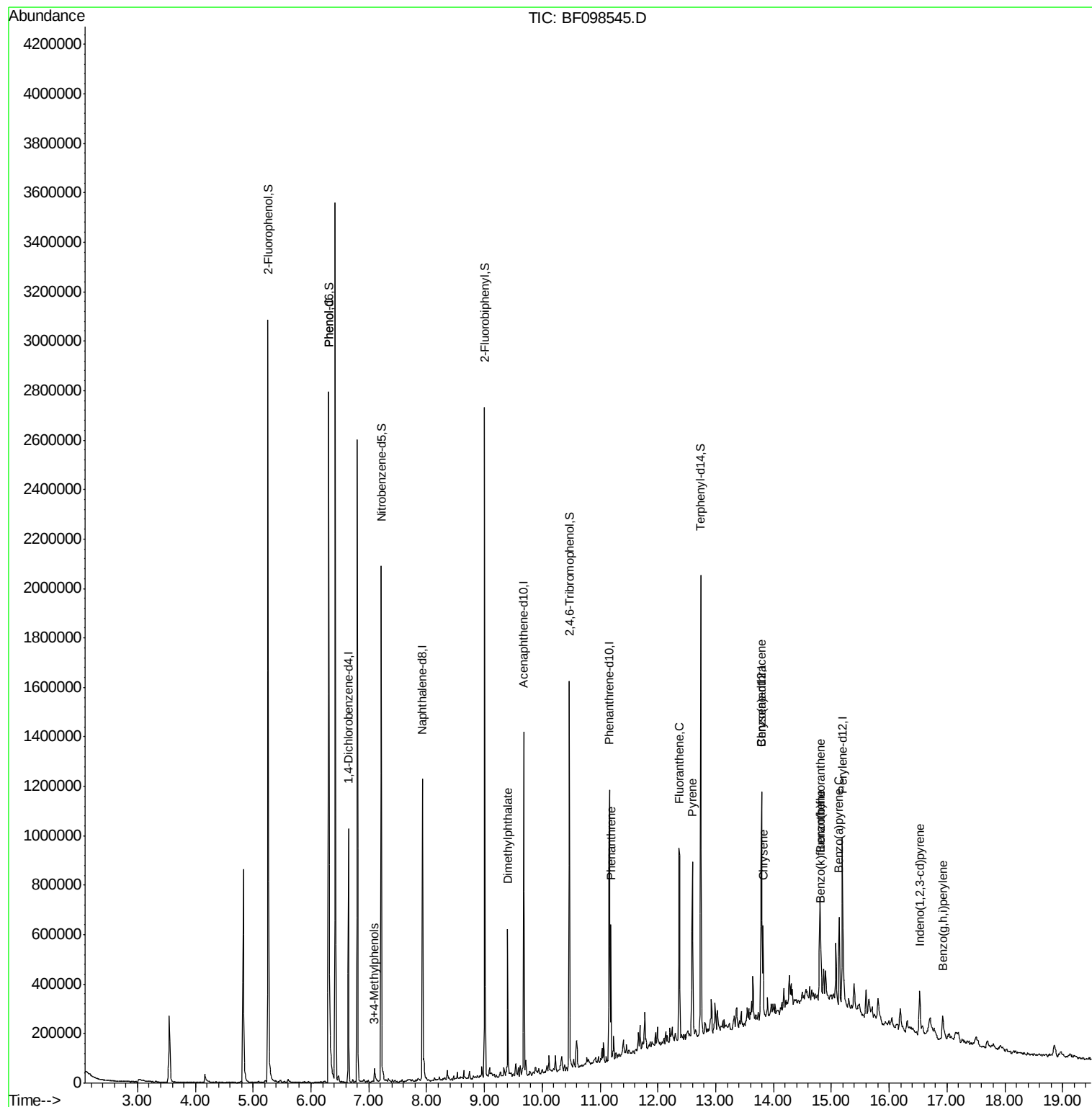
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098545.D
Acq On : 14 Sep 2017 23:18
Operator : SJ/JU
Sample : I5161-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

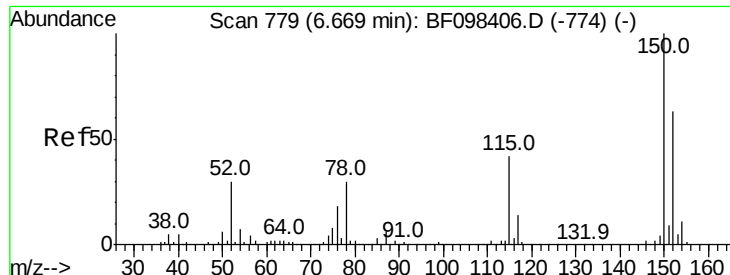
Instrument :
BNA_F
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RL-12-0-13

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Quant Time: Sep 15 06:49:18 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

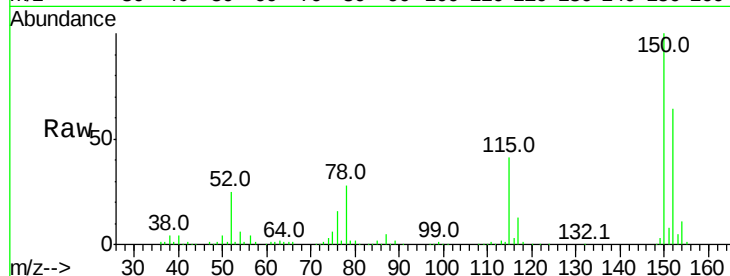
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Instrument :
BNA_F
ClientSampleId :
RL-12-0-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	64.5	52.2	78.2

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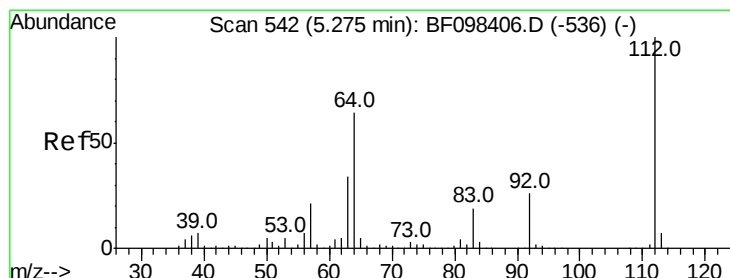
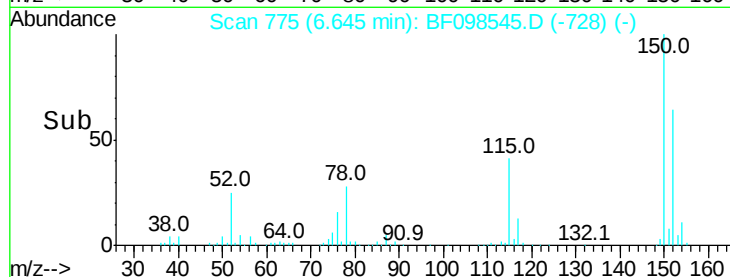
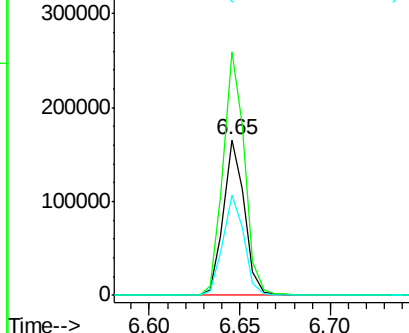


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

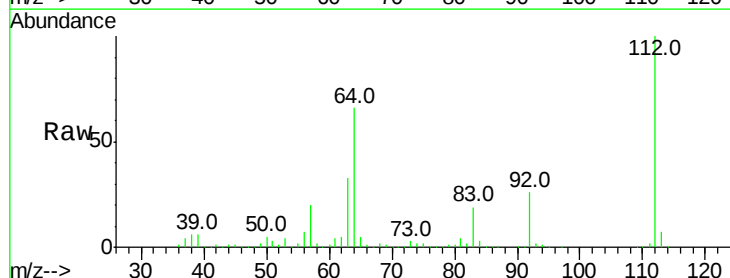
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.661 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.0	69.0
63	33.5	23.4	35.0

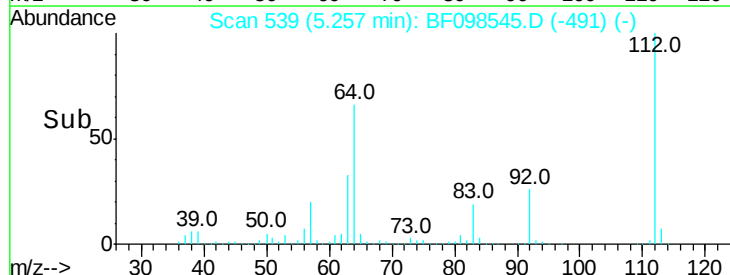
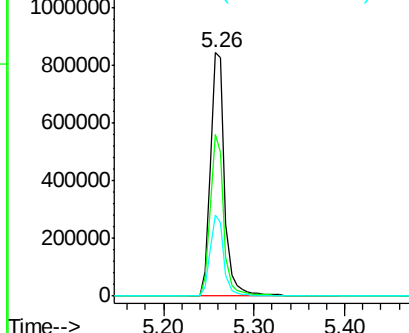


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.416 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

Instrument :

BNA_F

ClientSampled :

RL-12-0-13

Tot Ion: 99 Resp: 1188520

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

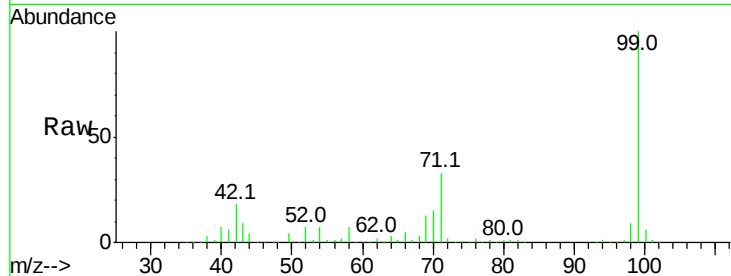
71 33.2 24.5 36.7

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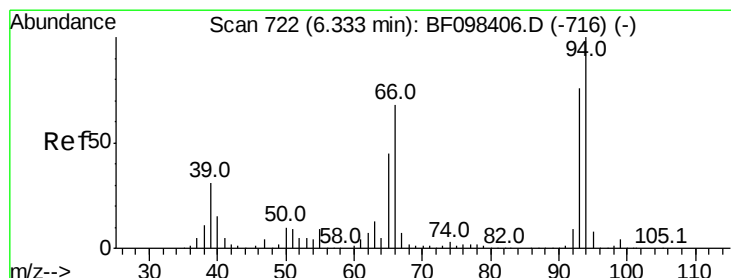
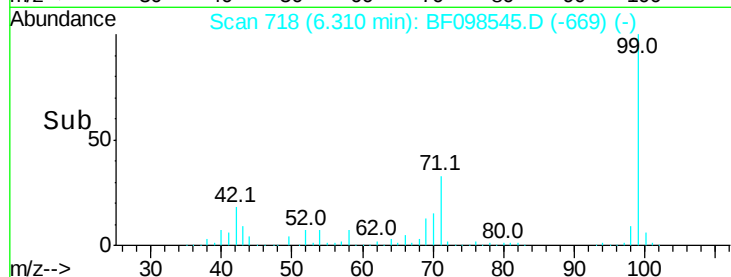
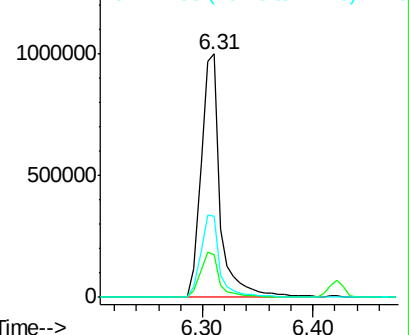
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.782 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

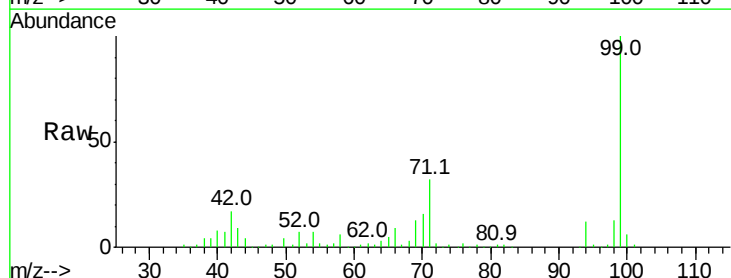
Tgt Ion: 94 Resp: 37131

Ion Ratio Lower Upper

94 100

65 40.5 9.9 49.9

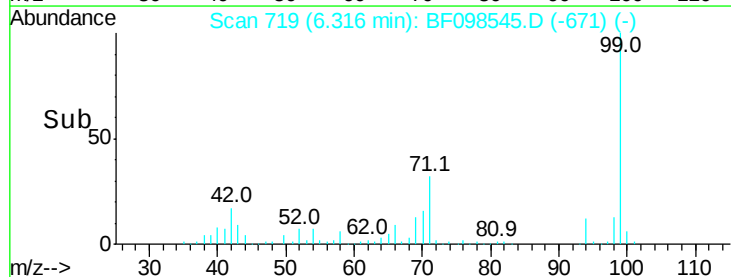
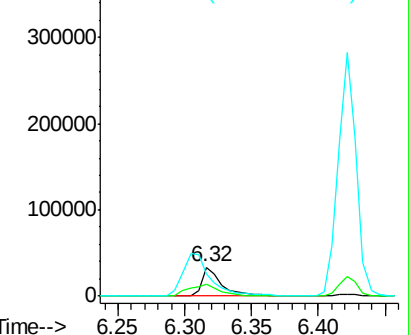
66 76.8 23.1 63.1#

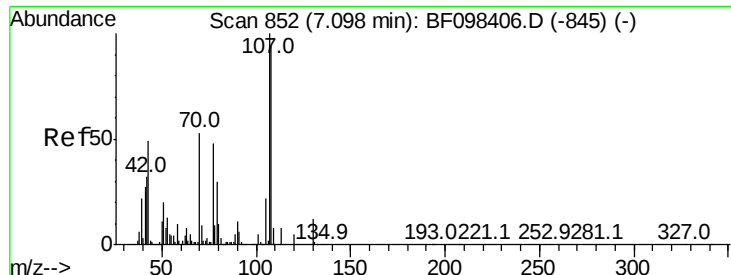


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#20

3+4-Methylphenols

Concen: 2.641 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

Instrument :

BNA_F

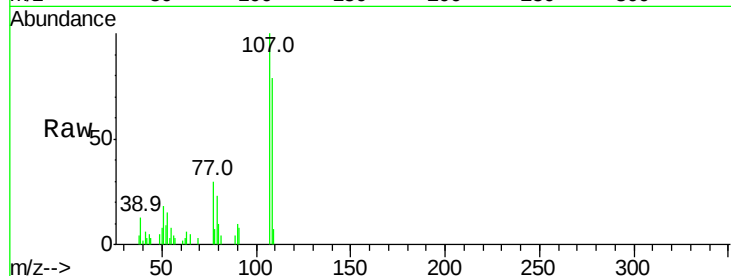
ClientSampleId :

RL-12-0-13

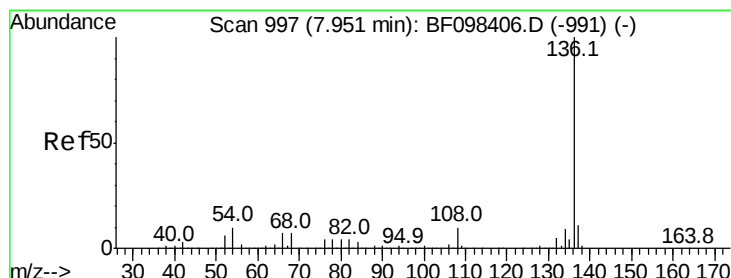
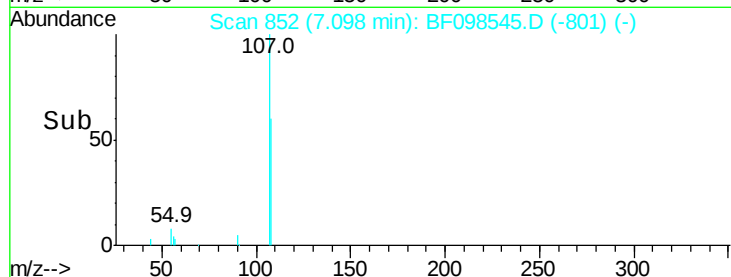
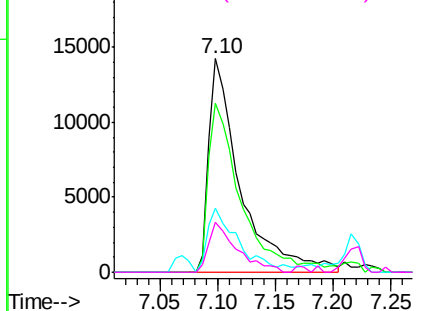
Tot Ion	107	Resp	27054
Ion	Ratio	Lower	Upper
107	100		
108	79.1	71.0	111.0
77	30.2	90.5	130.5#
79	23.3	8.4	48.4

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

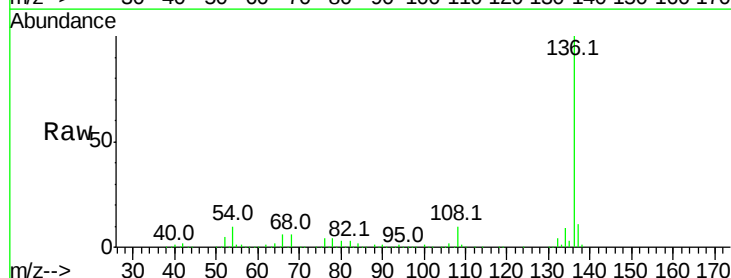
RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

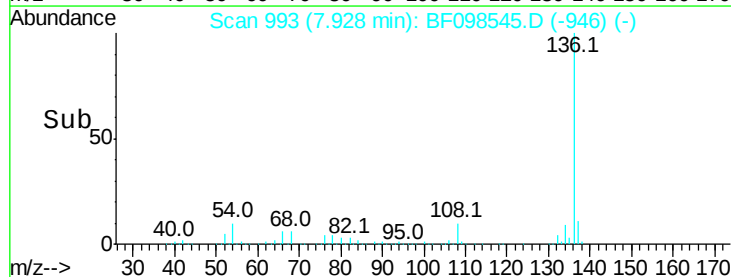
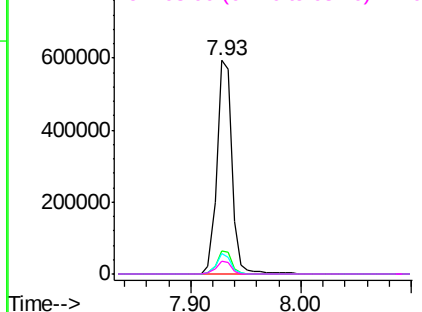
Lab File: BF098545.D

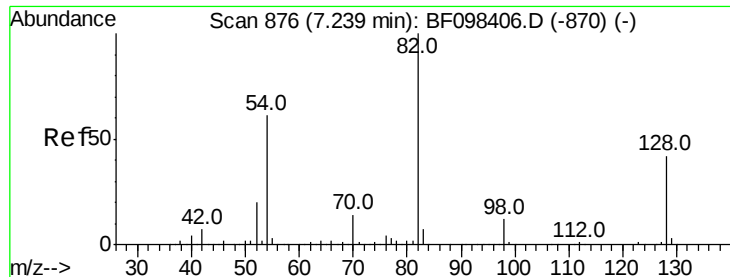
Acq: 14 Sep 2017 23:18

Tgt Ion	136	Resp	563629
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.7	4.9	7.3#
68	6.2	4.1	6.1#



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





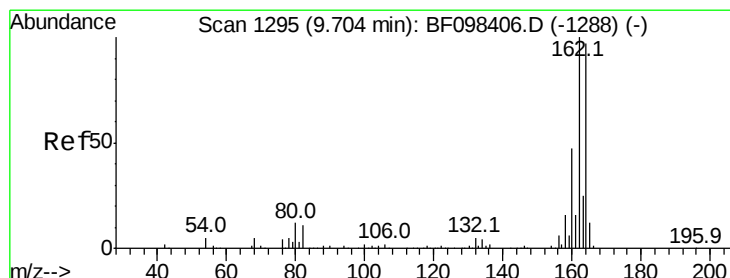
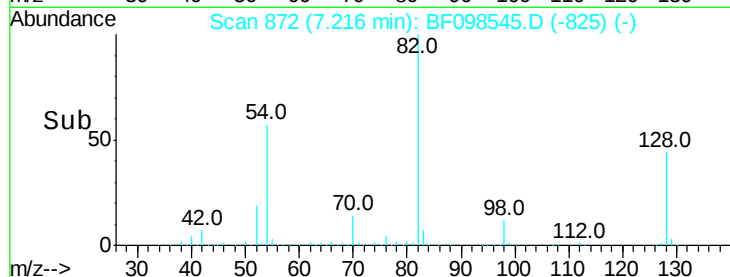
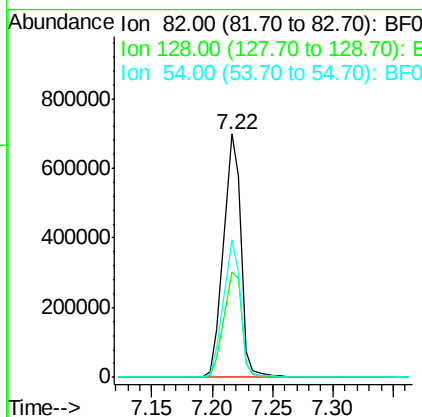
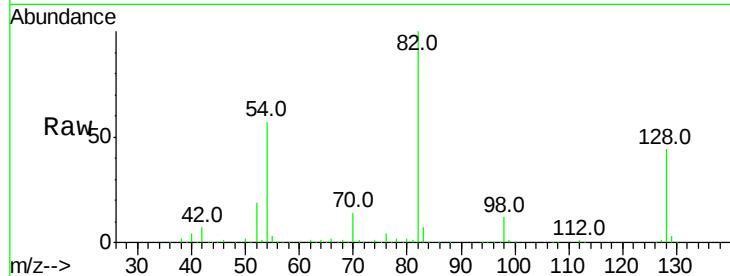
#23
Nitrobenzene-d5
Concen: 69.346 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Instrument :
BNA_F
ClientSampleId :
RL-12-0-13

Tot Ion	Ratio	Resp	Lower	Upper
82	100	701084		
128	43.5	34.0	51.0	
54	56.6	42.2	63.2	

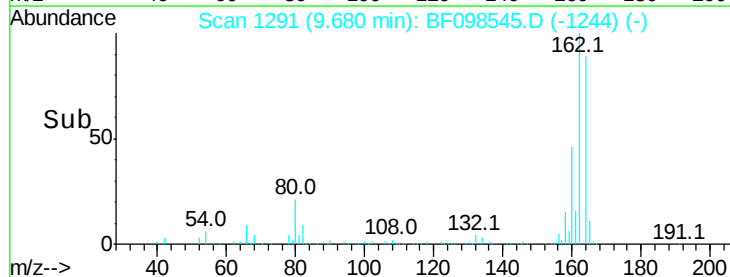
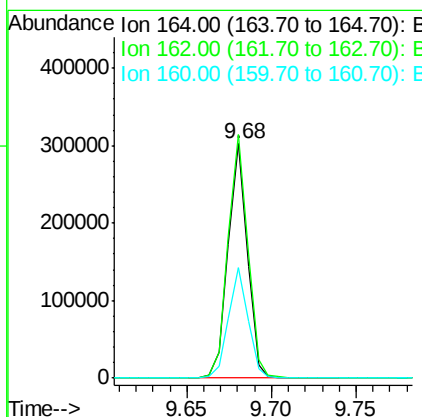
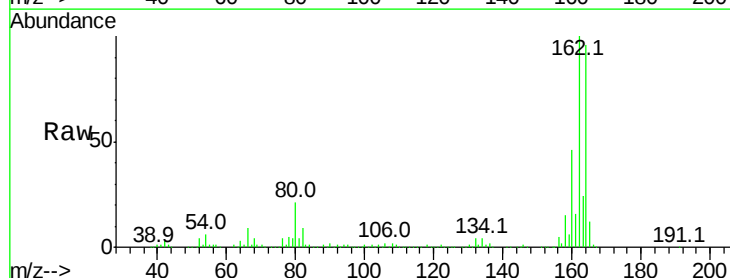
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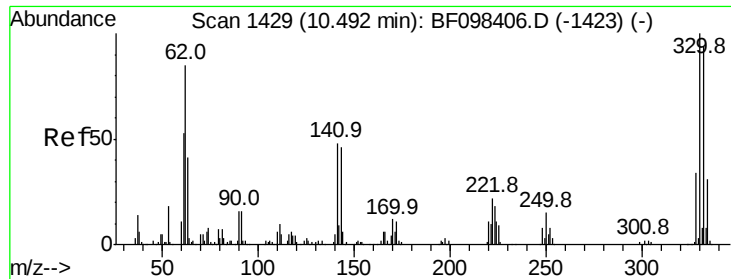
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	239285		
162	103.8	82.6	123.8	
160	47.2	36.2	54.2	





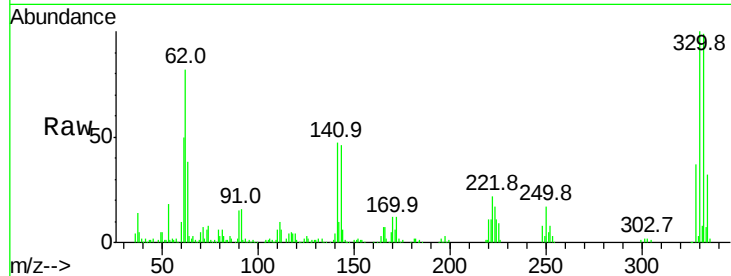
#41
 2,4,6-Tribromophenol
 Concen: 94.458 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF098545.D
 Acq: 14 Sep 2017 23:18

Instrument :
 BNA_F
 ClientSampled :
 RL-12-0-13

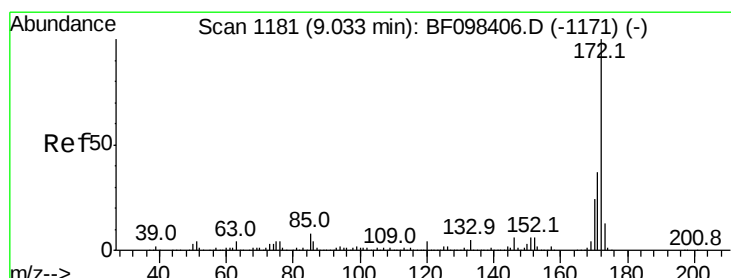
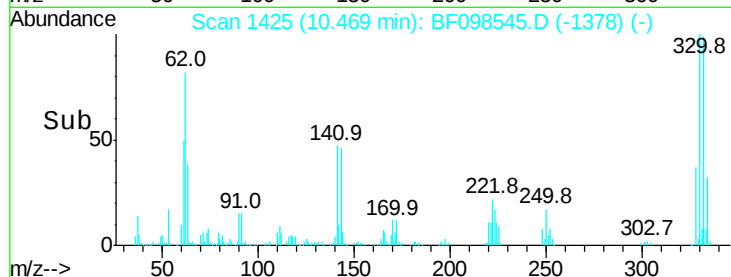
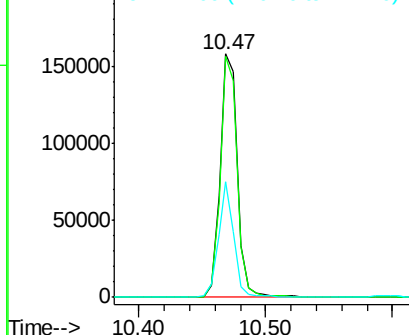
Tot Ion	Ratio	Resp	Lower	Upper
330	100	150852		
332	97.1	76.6	115.0	
141	42.6	31.4	47.2	

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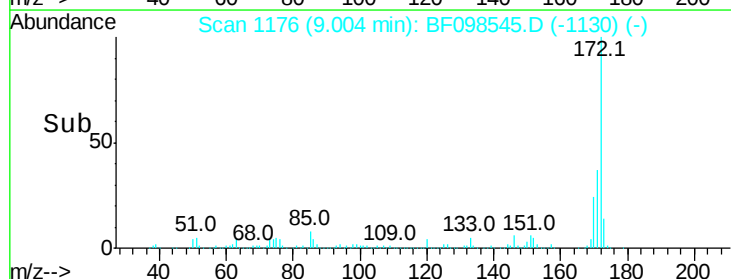
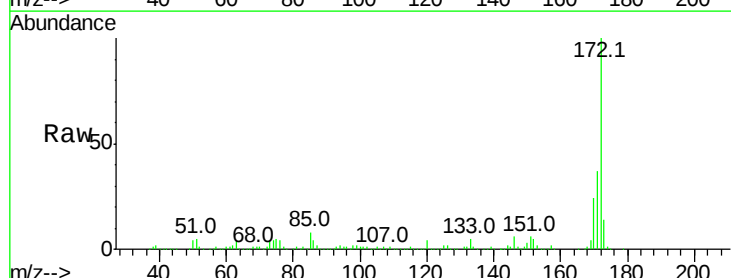
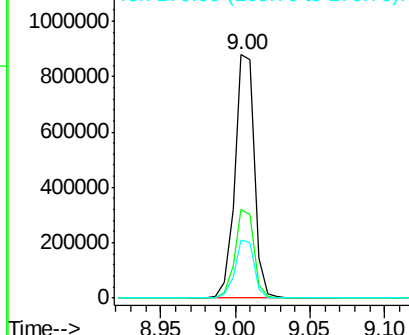
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

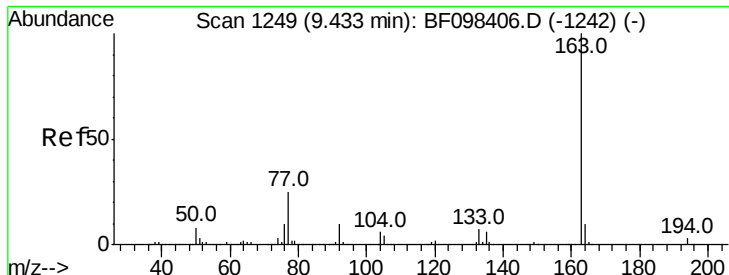


#44
 2-Fluorobiphenyl
 Concen: 57.487 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098545.D
 Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	811583		
171	36.6	29.6	44.4	
170	23.7	19.8	29.8	

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





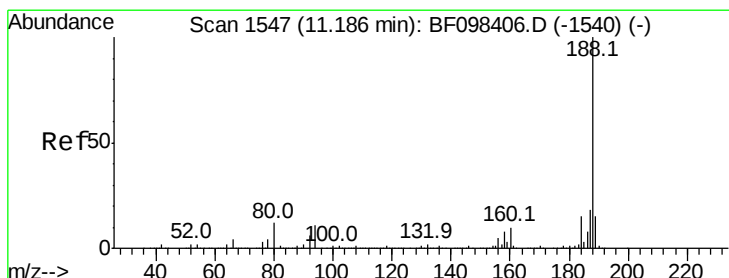
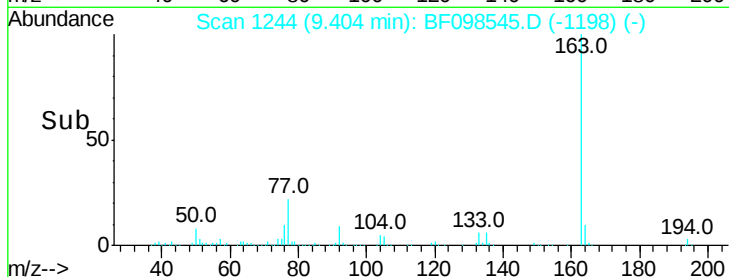
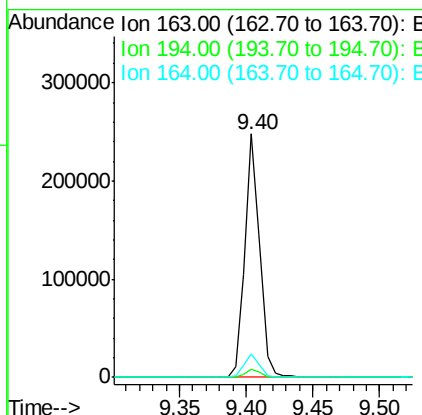
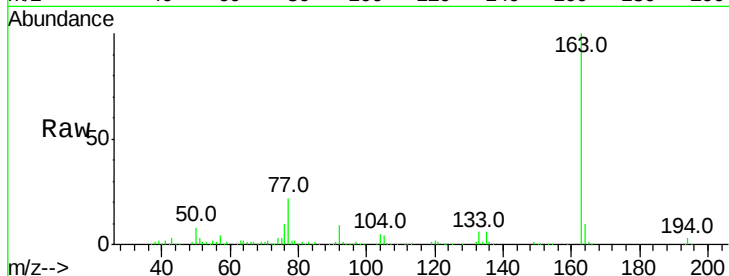
#49
Dimethylphthalate
Concen: 10.329 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Instrument :
BNA_F
ClientSampleId :
RL-12-0-13

Tot Ion	Ratio	Resp	Lower	Upper
163	100	191315		
194	3.2	2.6	4.0	
164	9.9	8.4	12.6	

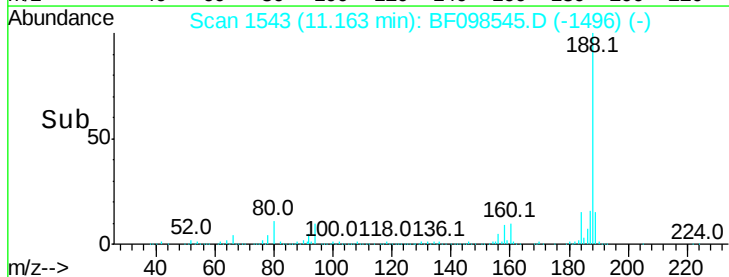
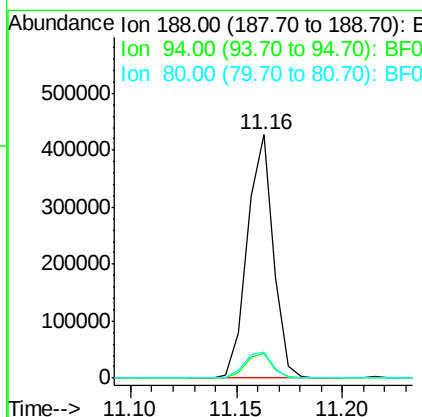
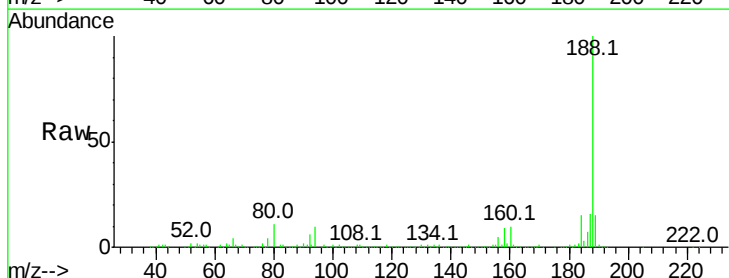
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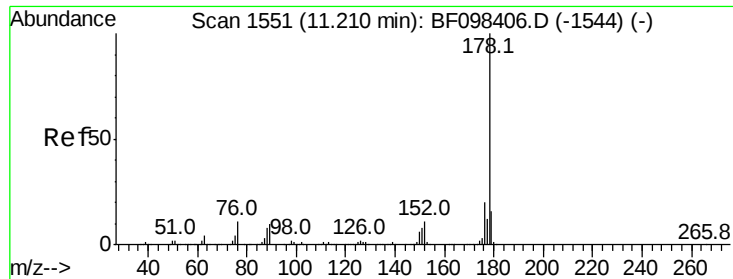
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	365028		
94	10.2	9.4	14.2	
80	10.9	10.2	15.2	





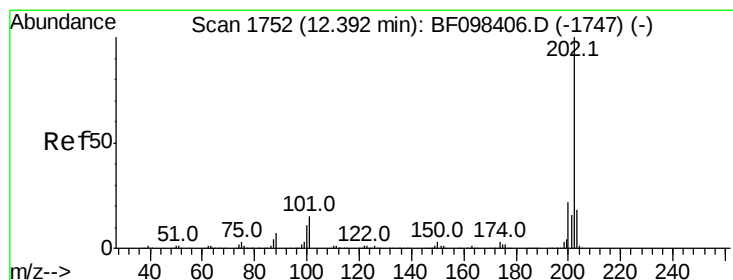
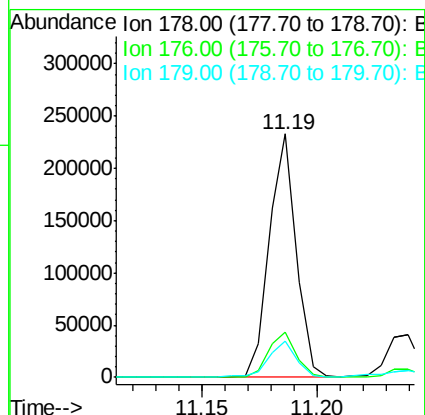
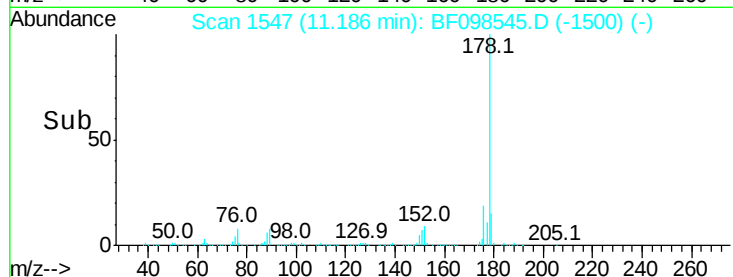
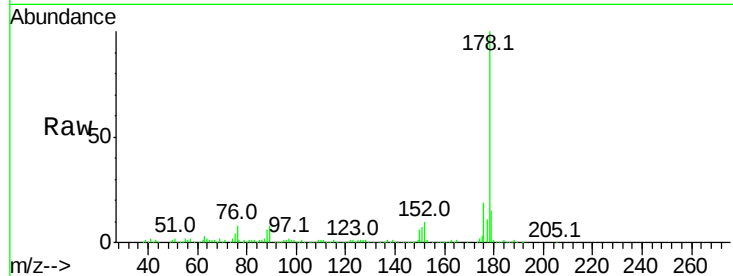
#70
Phenanthrene
Concen: 9.759 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Instrument :
BNA_F
ClientSampleId :
RL-12-0-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.1	12.6	19.0

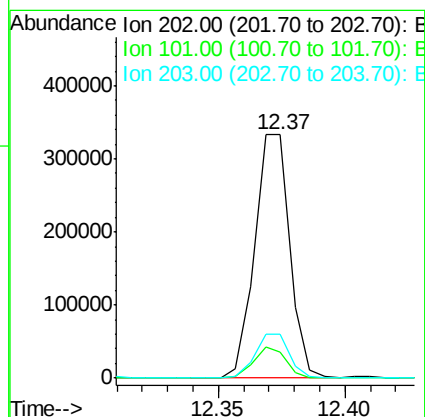
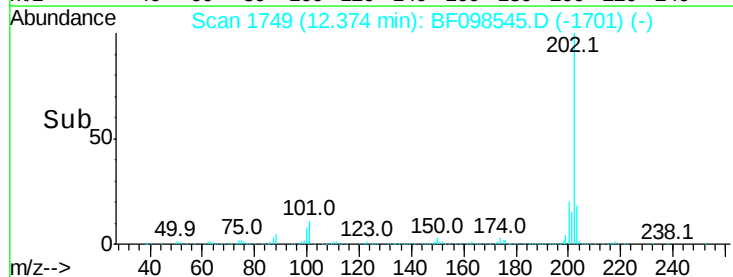
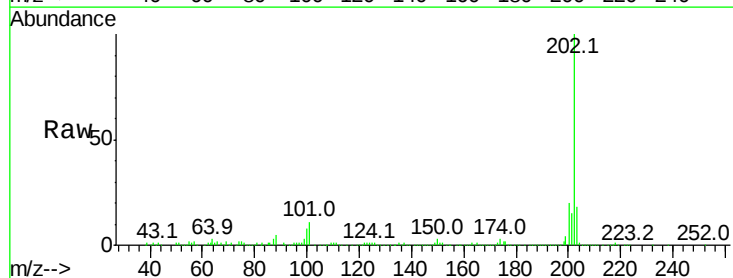
Manual Integrations
APPROVED

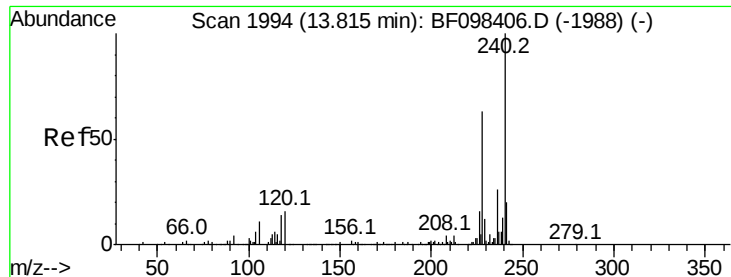
Sohil
9/15/2017 5:44:22 PM



#74
Fluoranthene
Concen: 16.615 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

Instrument :

BNA_F

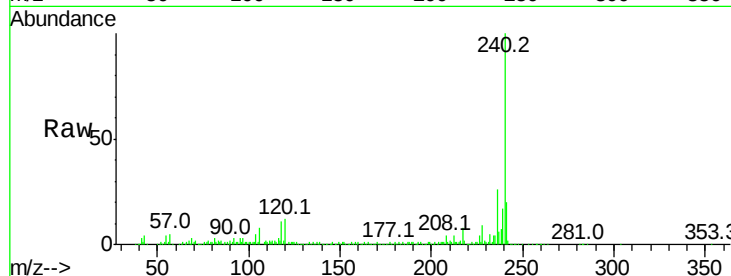
ClientSampleId :

RL-12-0-13

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	5.8	8.8#
236	26.1	20.5	30.7

Manual Integrations
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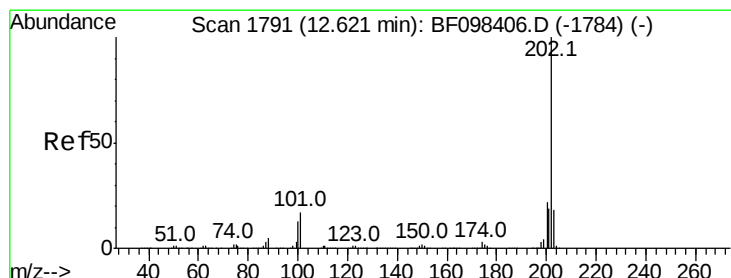
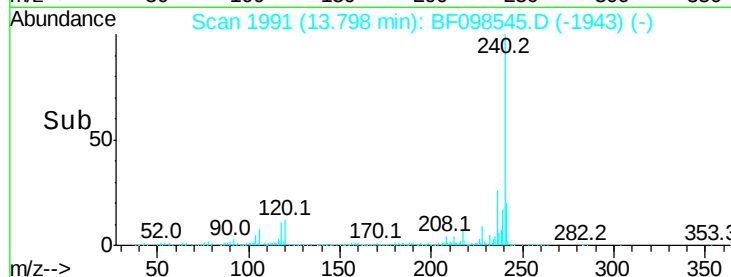
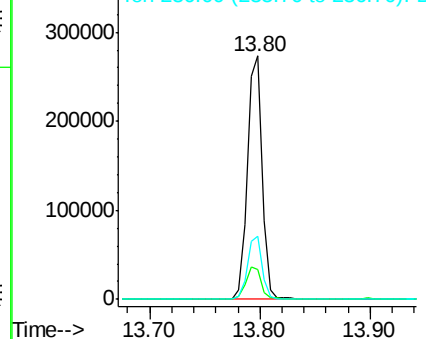
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.180 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098545.D

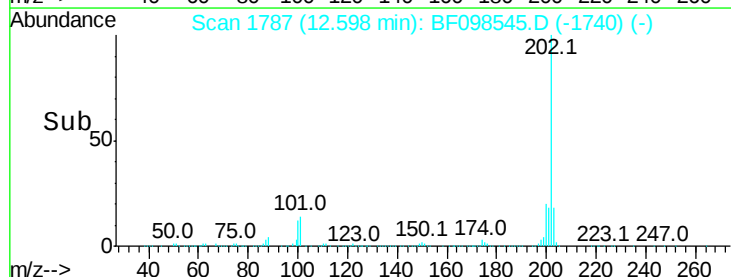
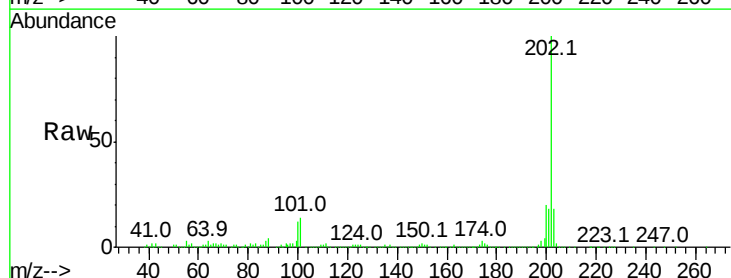
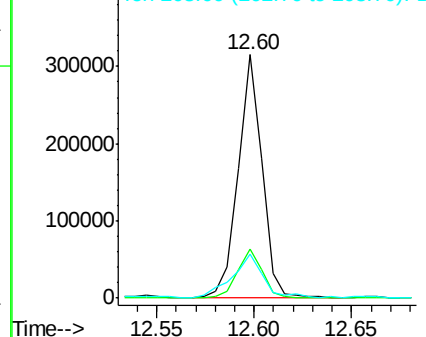
Acq: 14 Sep 2017 23:18

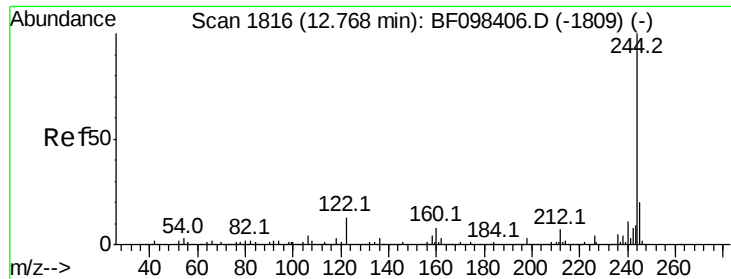
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.6	26.4
203	17.9	14.4	21.6

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





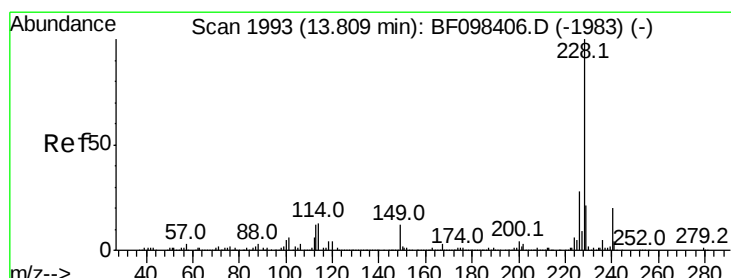
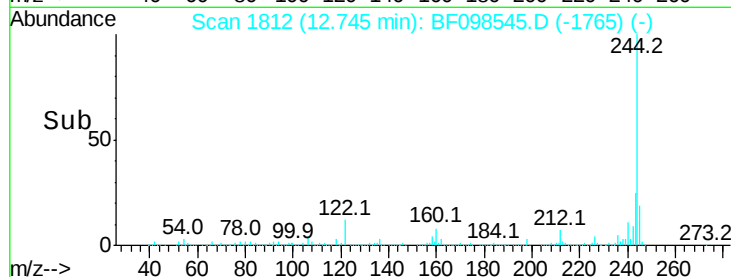
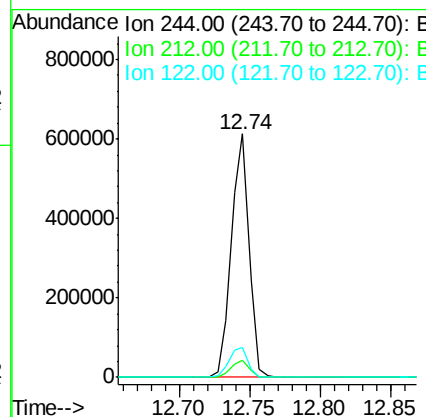
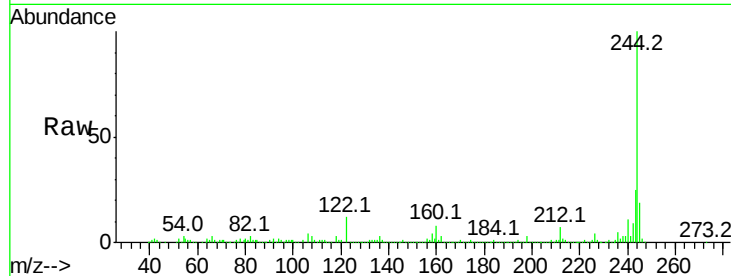
#78
 Terphenyl-d14
 Concen: 44.562 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF098545.D
 Acq: 14 Sep 2017 23:18

Instrument :
 BNA_F
 ClientSampleId :
 RL-12-0-13

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.3	10.3	15.5

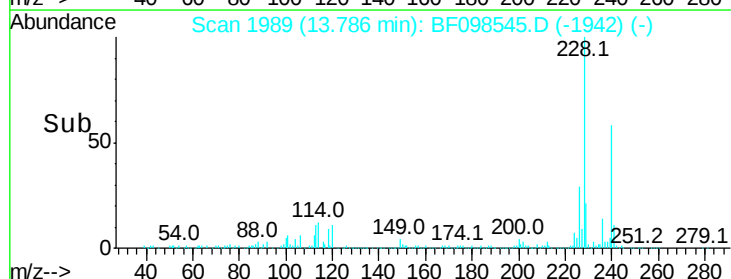
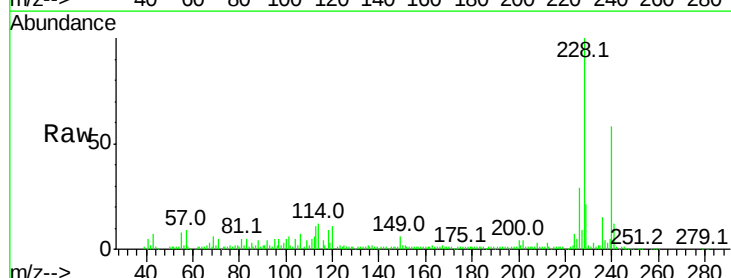
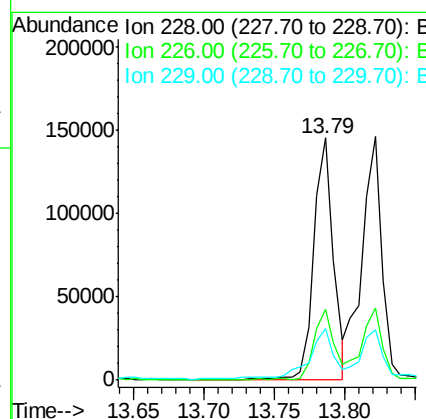
Manual Integrations
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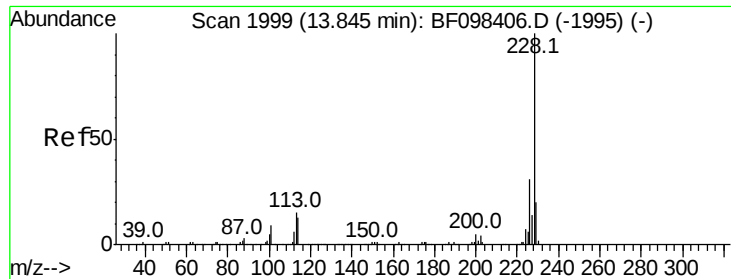
Sohil
 9/15/2017 5:44:22 PM



#80
 Benzo(a)anthracene
 Concen: 9.322 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BF098545.D
 Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.4	16.3	24.5





#82

Chrysene

Concen: 9.548 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

Instrument :

BNA_F

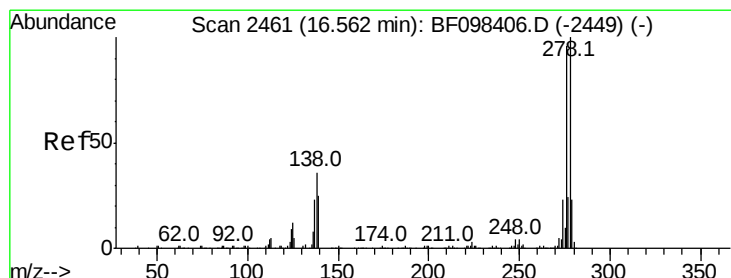
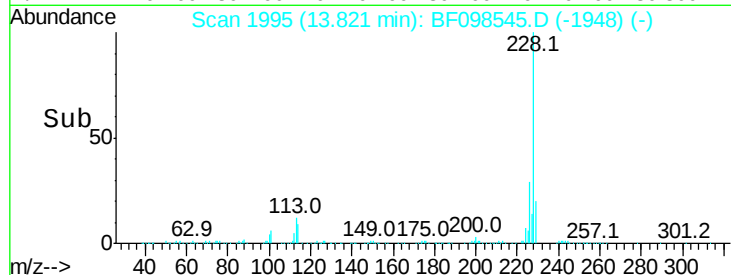
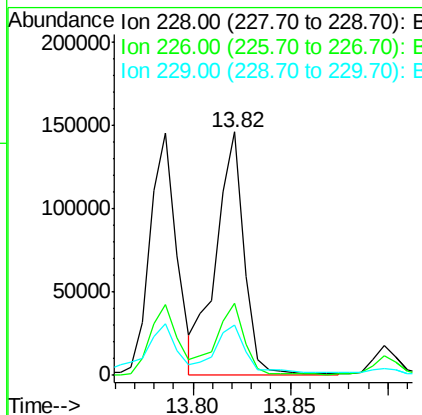
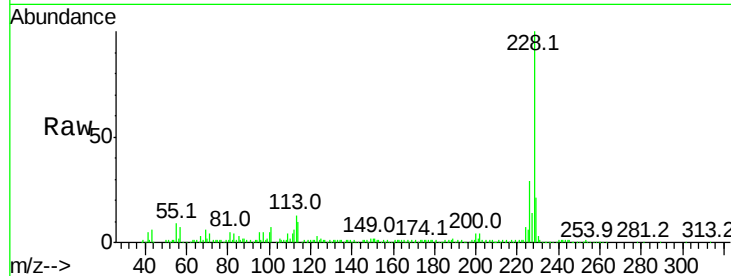
ClientSampled :

RL-12-0-13

Tot Ion:	228	Resp:	145597
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	20.9	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.228 ng

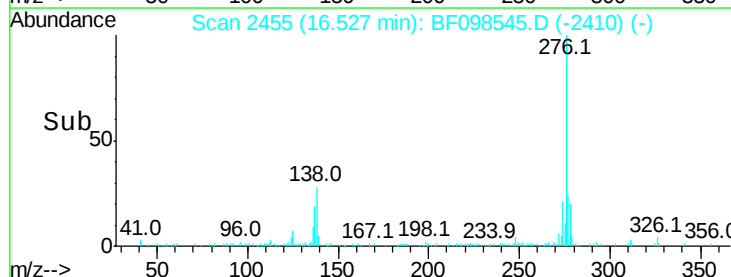
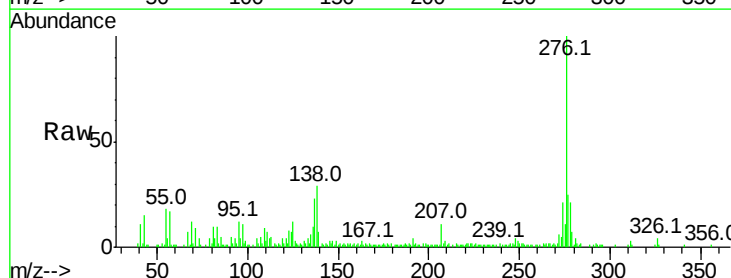
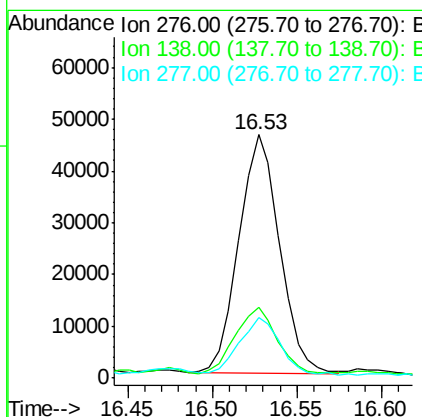
RT: 16.53 min Scan# 2455

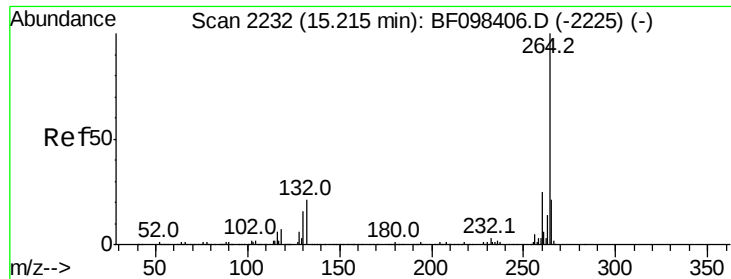
Delta R.T. -0.04 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

Tgt Ion:	276	Resp:	77324
Ion Ratio	Lower	Upper	
276	100		
138	28.2	27.8	41.6
277	24.0	20.2	30.4





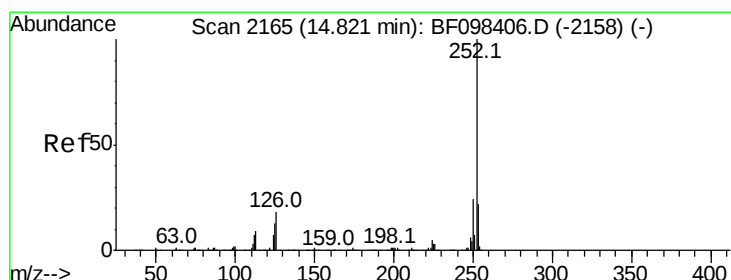
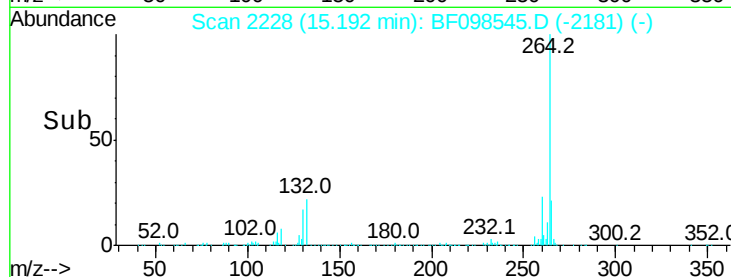
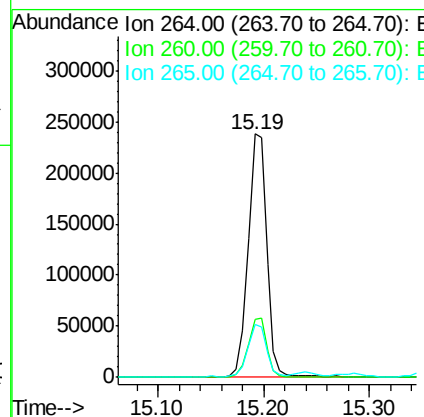
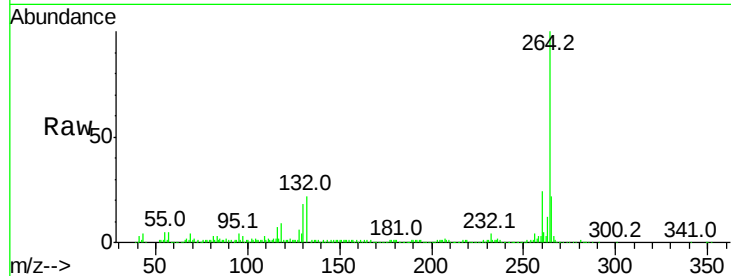
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Instrument :
BNA_F
ClientSampleId :
RL-12-0-13

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.2	25.8

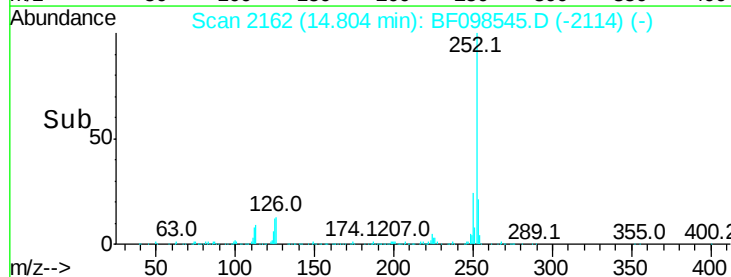
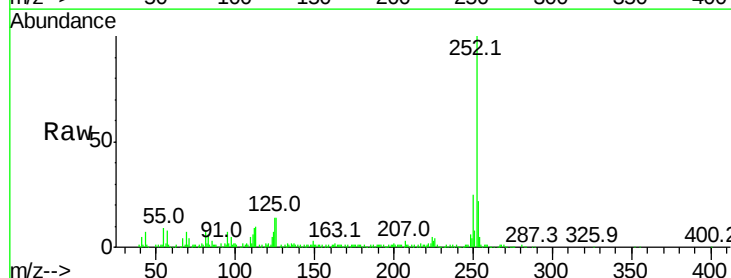
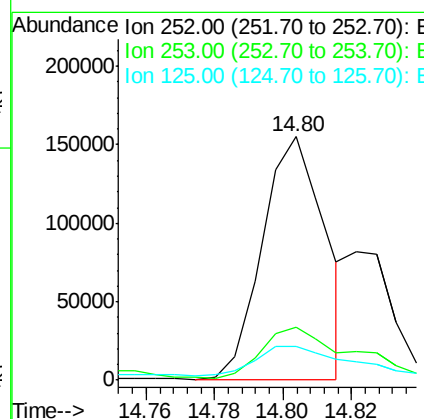
Manual Integrations
APPROVED

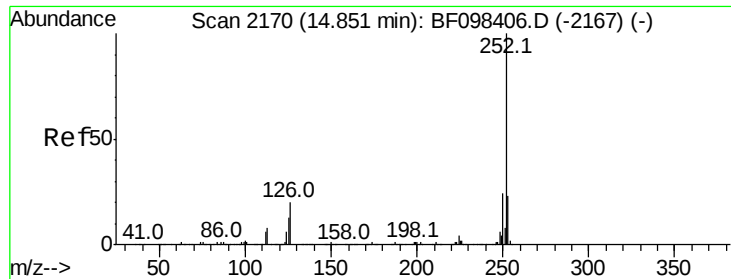
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#87
Benzo(b)fluoranthene
Concen: 10.790 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	14.0	9.8	14.8





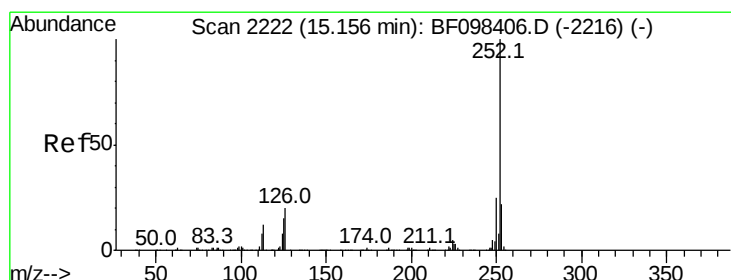
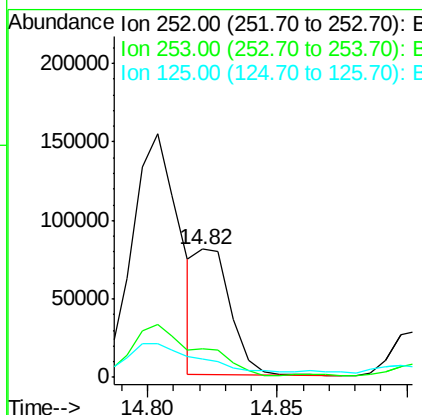
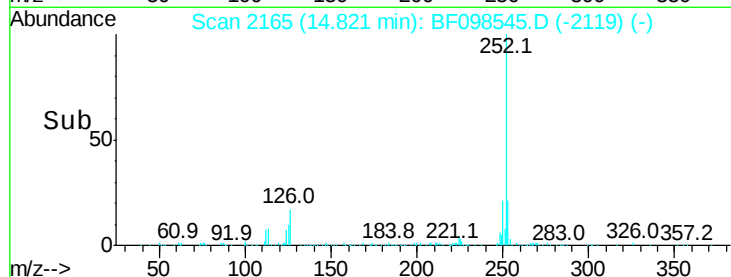
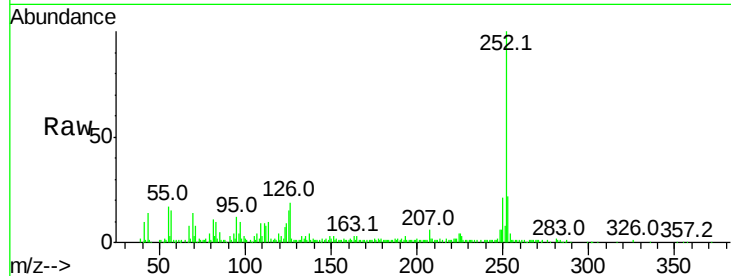
#88
Benzo(k)fluoranthene
Concen: 4.350 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Instrument :
BNA_F
ClientSampled :
RL-12-0-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	14.7	13.1	19.7

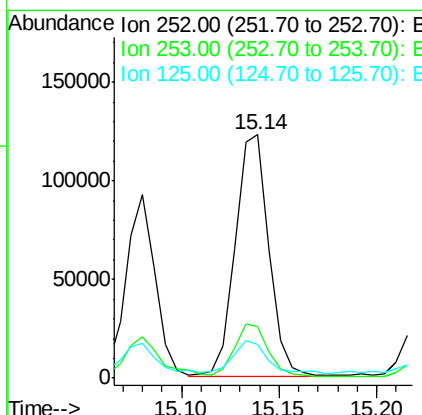
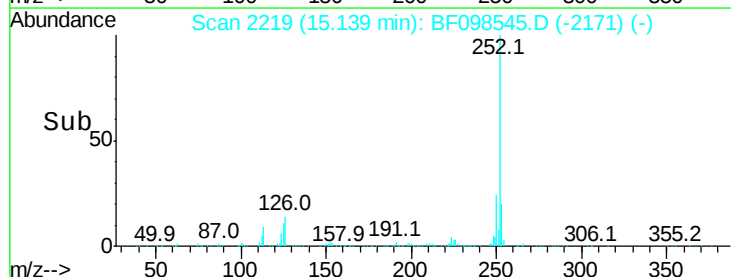
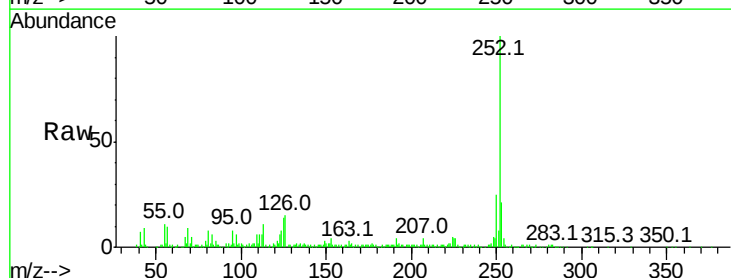
Manual Integrations
APPROVED

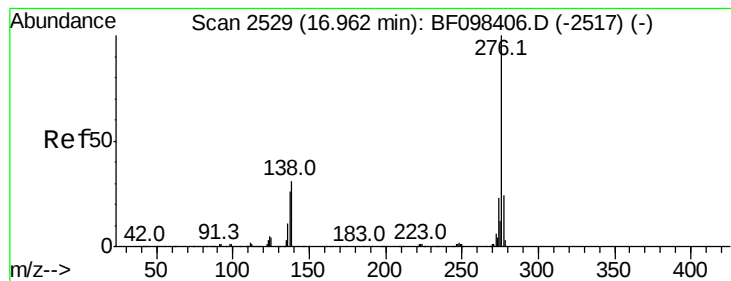
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#89
Benzo(a)pyrene
Concen: 9.068 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF098545.D
Acq: 14 Sep 2017 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	13.6	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 5.889 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.04 min

Lab File: BF098545.D

Acq: 14 Sep 2017 23:18

Instrument :

BNA_F

ClientSampleId :

RL-12-0-13

Tot Ion: 276 Resp: 70002

Ion Ratio Lower Upper

276 100

277 27.6 18.6 28.0

138 28.4 25.4 38.0

Manual Integrations

APPROVED

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9/15/2017 5:44:22 PM

