

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095589.D
 Acq On : 1 Jun 2017 6:29
 Operator : SJ/MA
 Sample : I3388-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B43-B50-002

Manual Integrations
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Quant Time: Jun 01 08:15:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 04:09:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	77562	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	331383	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	139128	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	191187	20.00	ng	0.00
75) Chrysene-d12	18.51	240	169933	20.00	ng	0.00
86) Perylene-d12	20.18	264	135129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	648063	139.30	ng	0.03
7) Phenol-d6	7.11	99	725531	129.98	ng	0.00
23) Nitrobenzene-d5	8.47	82	532399	101.31	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	157079	137.86	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	1009881	104.48	ng	0.00
78) Terphenyl-d14	17.16	244	658900	85.40	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	9.21	122	25525	5.31	ng	92
31) Naphthalene	9.62	128	2229414	133.86	ng	100
37) 2-Methylnaphthalene	10.74	142	230025	21.04	ng	98
45) 1,1'-Biphenyl	11.52	154	25599	2.19	ng	94
51) Acenaphthene	12.46	154	55465	6.27	ng	98
54) Dibenzofuran	12.76	168	27760	2.27	ng	# 95
57) Fluorene	13.31	166	34984	3.29	ng	# 94
70) Phenanthrene	14.85	178	46712	4.25	ng	98
72) Carbazole	15.23	167	98312	9.63	ng	95

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

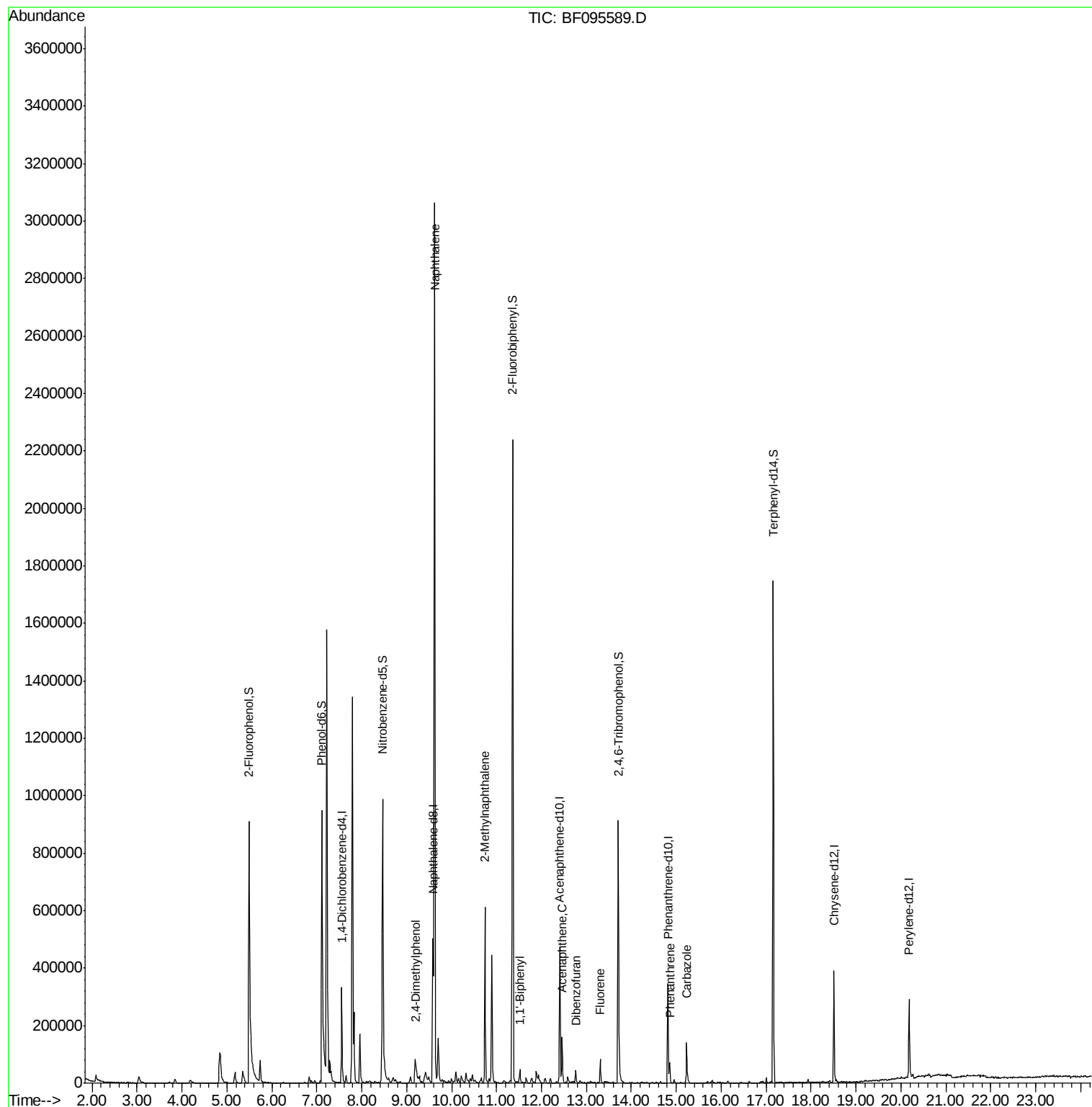
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095589.D
Acq On : 1 Jun 2017 6:29
Operator : SJ/MA
Sample : I3388-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

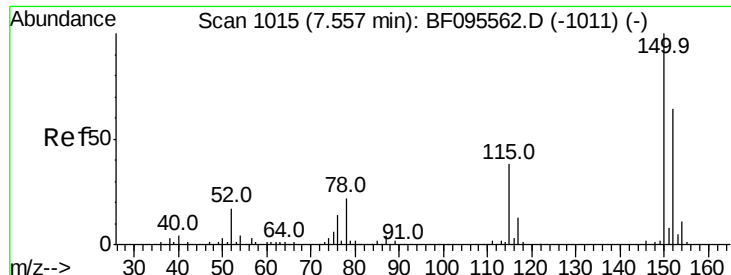
Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-002

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Quant Time: Jun 01 08:15:30 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 04:09:22 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.55 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

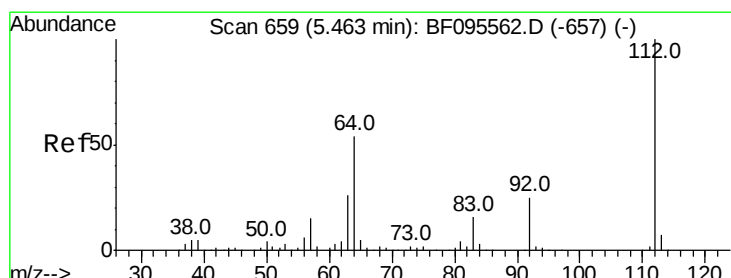
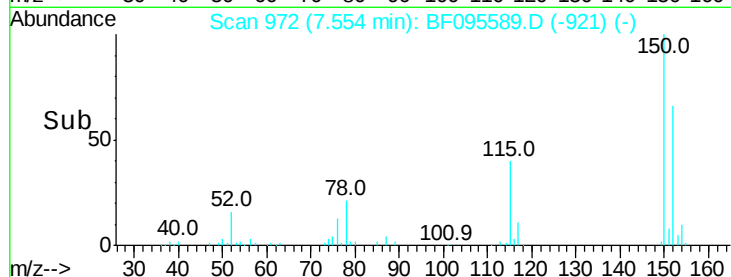
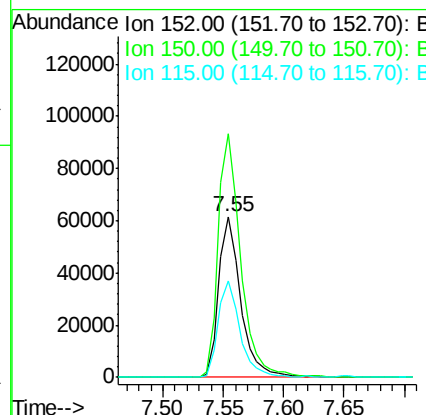
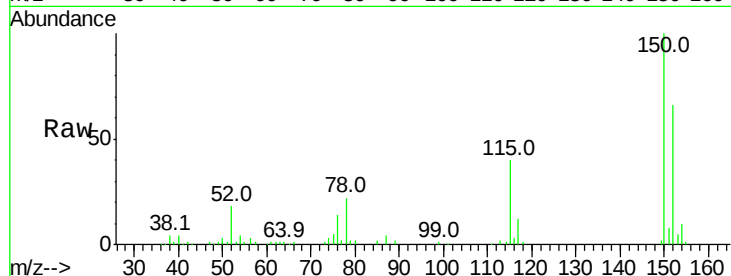
ClientSampleId :

WC-B43-B50-002

Tot Ion:	152	Resp:	77562
Ion Ratio	Lower	Upper	
152	100		
150	151.5	126.2	189.2
115	60.4	52.2	78.2

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#5

2-Fluorophenol

Concen: 139.30 ng

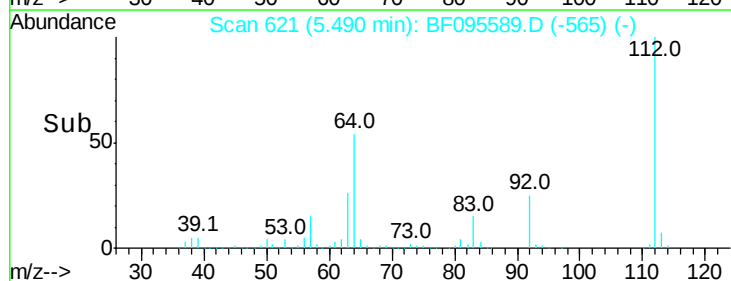
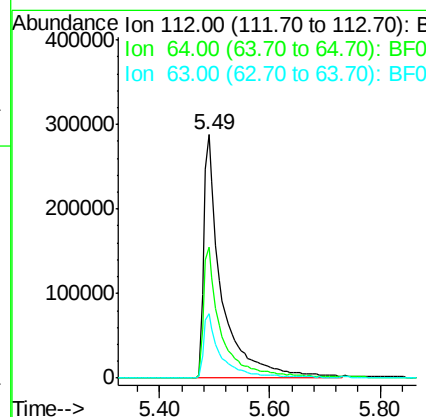
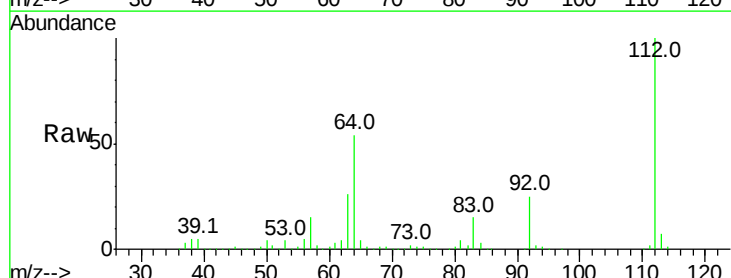
RT: 5.49 min Scan# 621

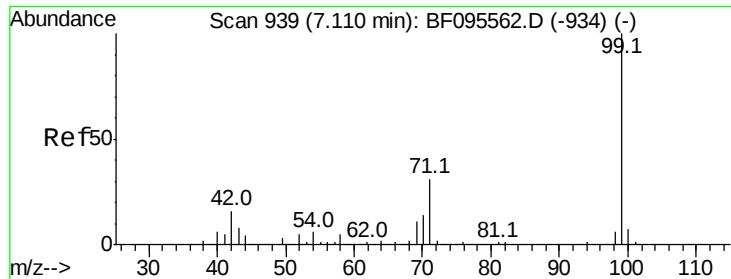
Delta R.T. 0.03 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Tgt Ion:	112	Resp:	648063
Ion Ratio	Lower	Upper	
112	100		
64	53.8	46.0	69.0
63	26.3	23.4	35.0





#7

Phenol-d6

Concen: 129.98 ng

RT: 7.11 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

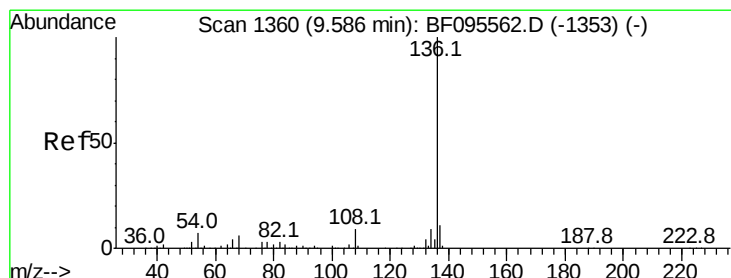
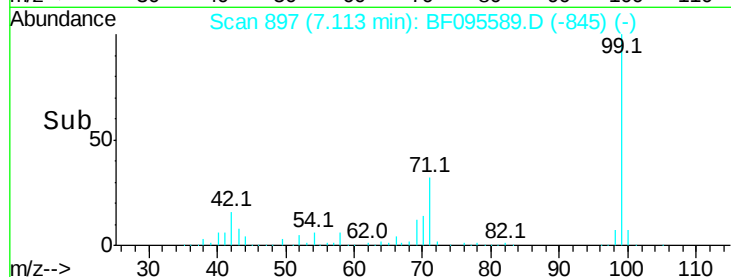
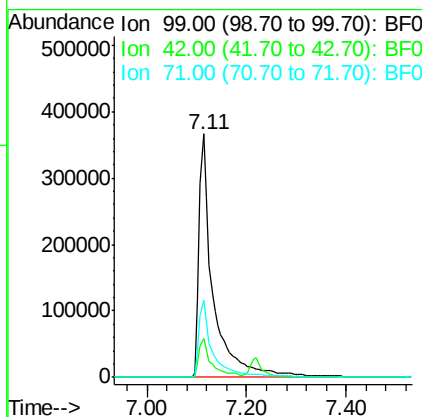
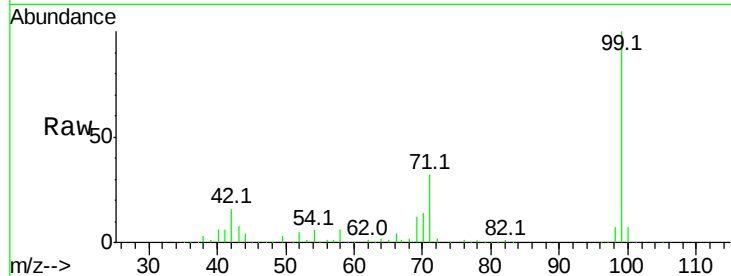
ClientSampleId :

WC-B43-B50-002

Tot Ion:	99	Resp:	72531
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	31.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

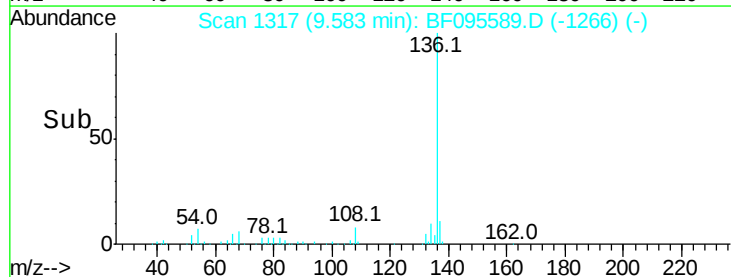
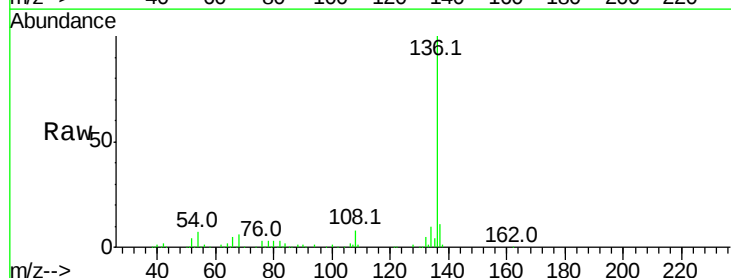
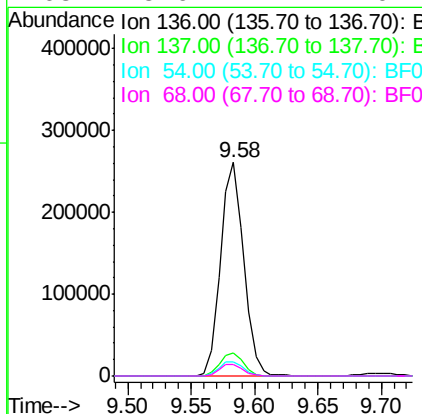
RT: 9.58 min Scan# 1317

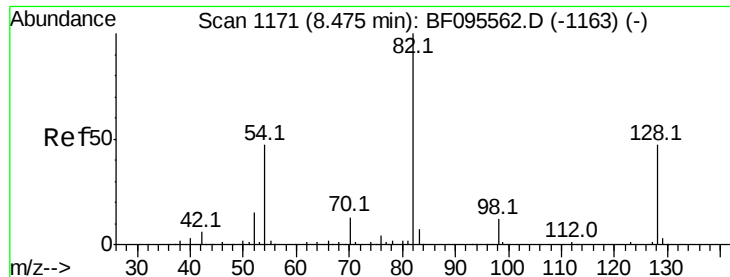
Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Tgt Ion:	136	Resp:	331383
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.7	4.9	7.3
68	5.6	4.1	6.1





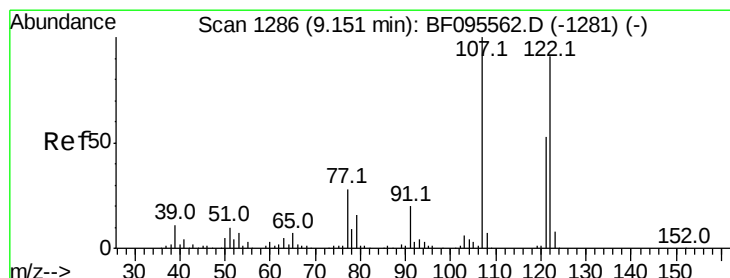
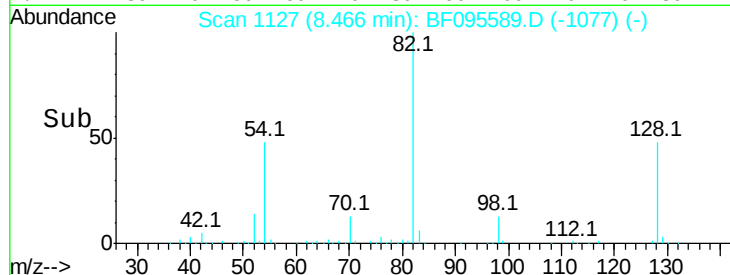
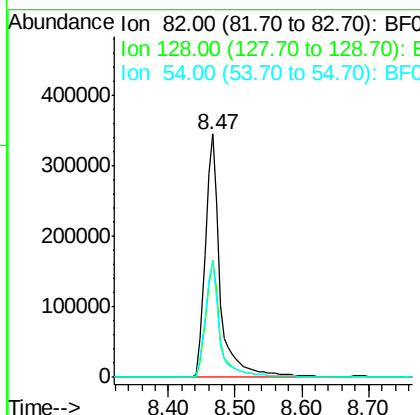
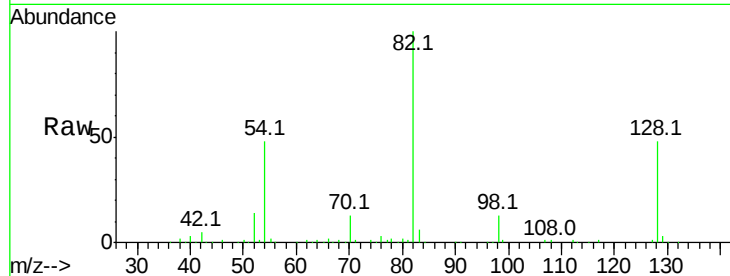
#23
Nitrobenzene-d5
Concen: 101.31 ng
RT: 8.47 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-002

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.0	34.0	51.0	
54	47.6	42.2	63.2	

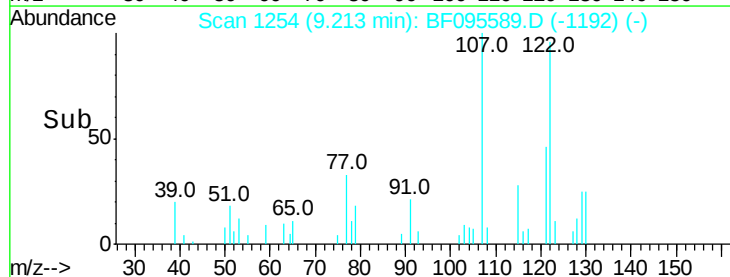
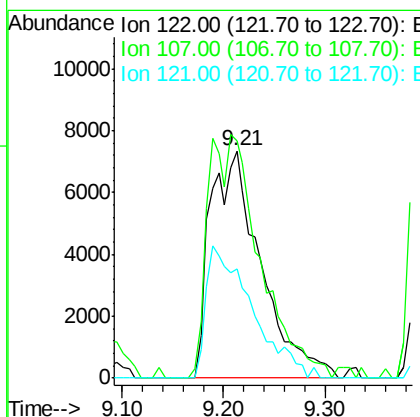
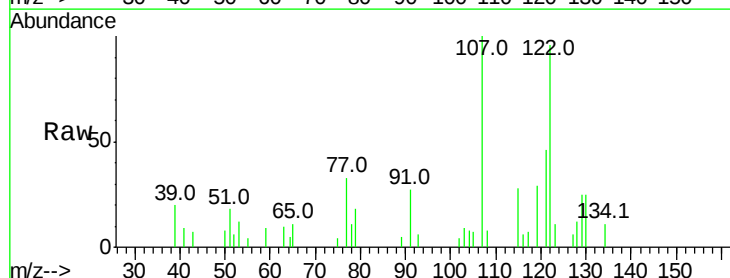
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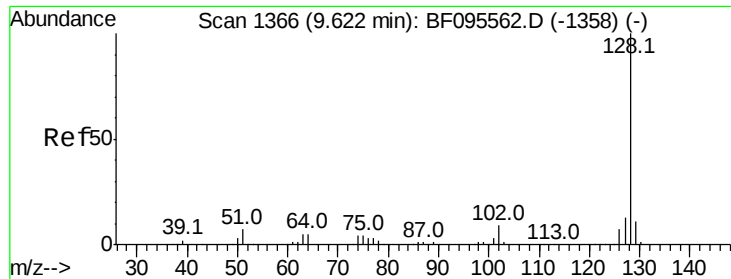
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#27
2,4-Dimethylphenol
Concen: 5.31 ng
RT: 9.21 min Scan# 1254
Delta R.T. 0.06 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	104.5	89.2	133.8	
121	48.2	45.2	67.8	





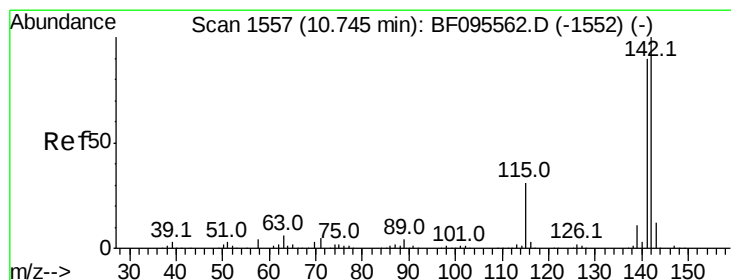
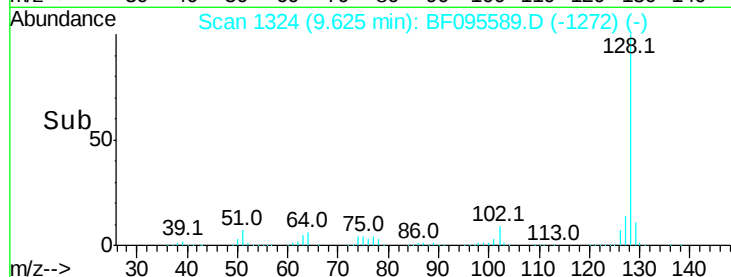
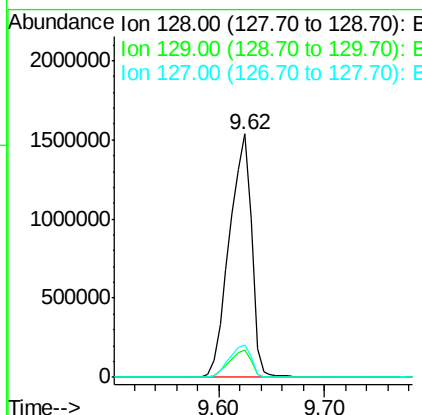
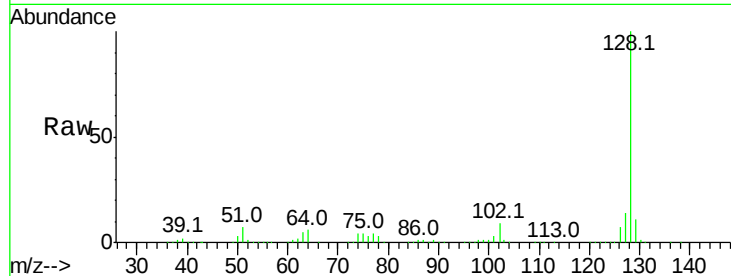
#31
Naphthalene
Concen: 133.86 ng
RT: 9.62 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-002

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.5	10.8	16.2

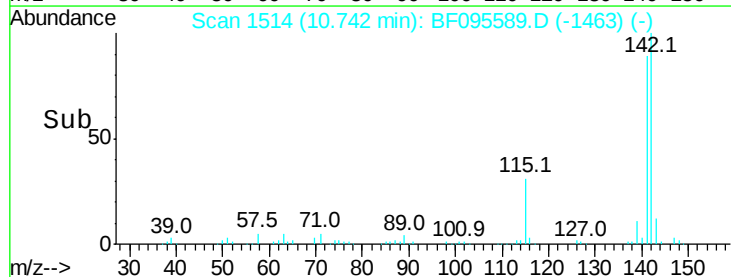
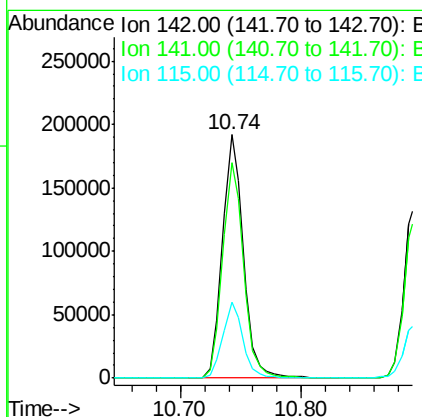
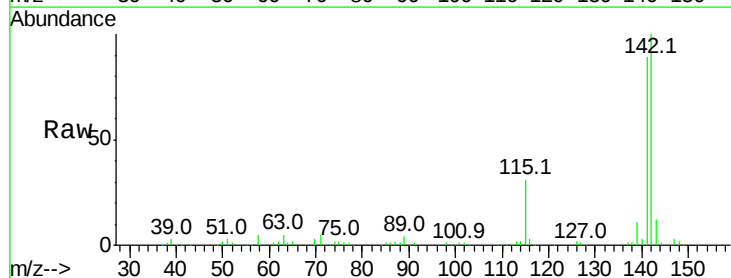
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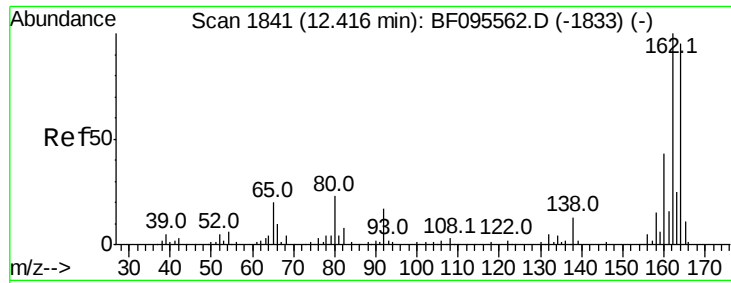
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#37
2-Methylnaphthalene
Concen: 21.04 ng
RT: 10.74 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9
115	31.1	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.41 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampleId :

WC-B43-B50-002

Tot Ion:164 Resp: 139128

Ion Ratio Lower Upper

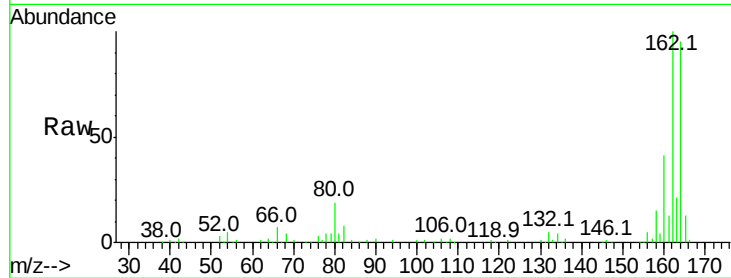
164 100

162 105.0 82.6 123.8

160 43.6 36.2 54.2

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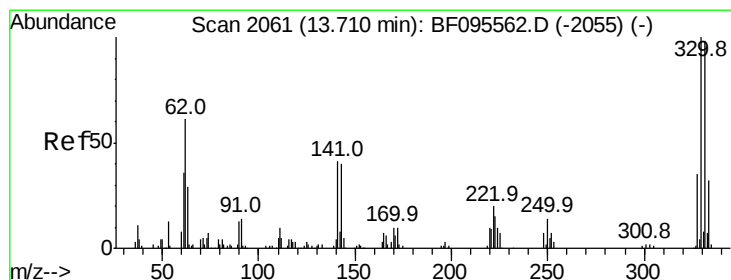
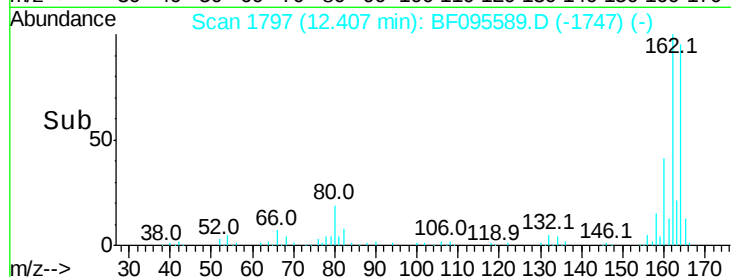
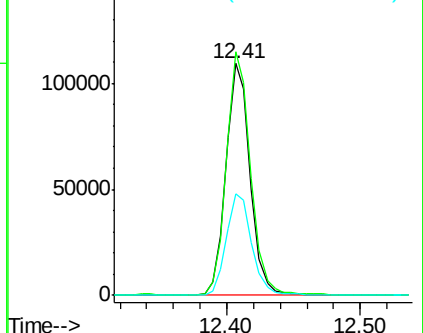
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 137.86 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

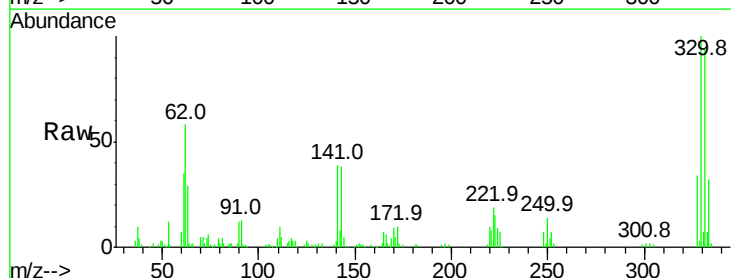
Tgt Ion:330 Resp: 157079

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

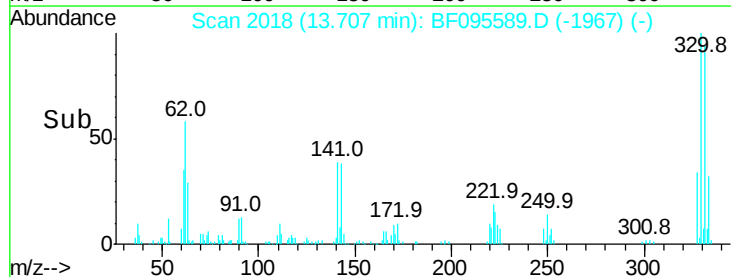
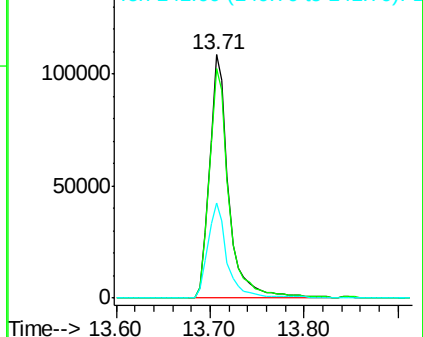
141 39.8 31.4 47.2

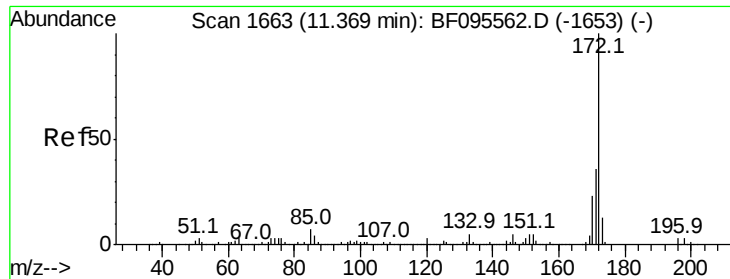


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





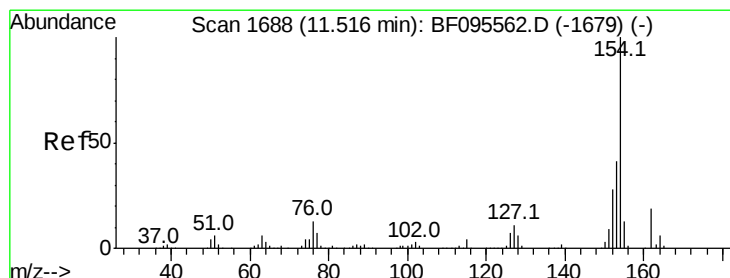
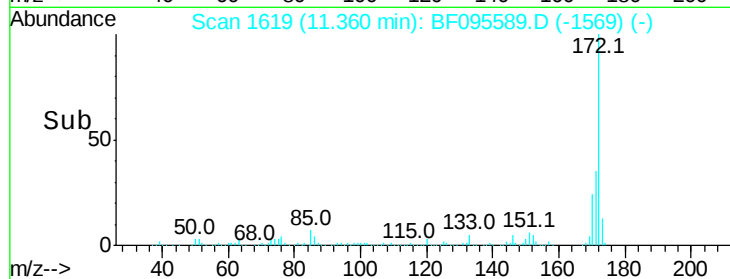
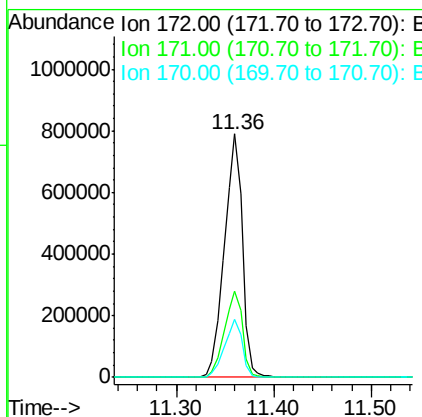
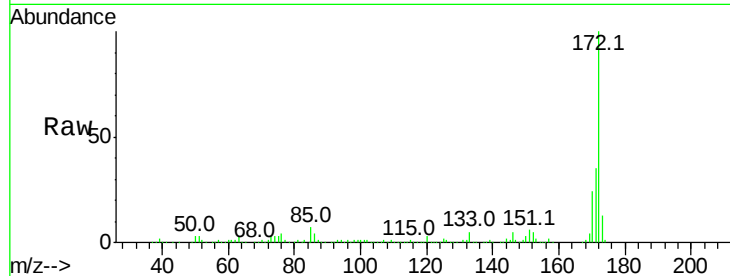
#44
2-Fluorobiphenyl
Concen: 104.48 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-002

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.7	19.8	29.8

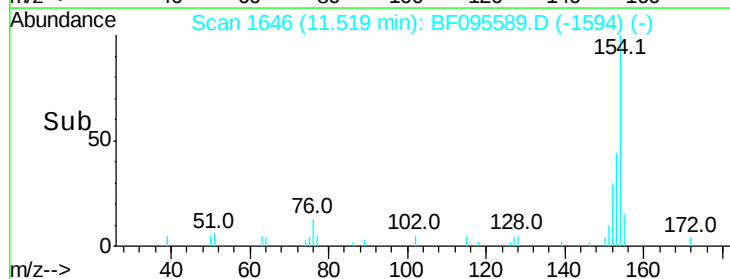
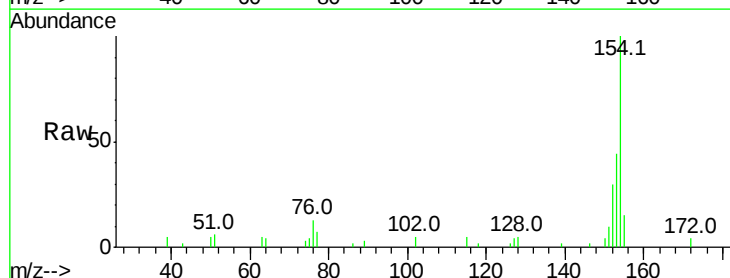
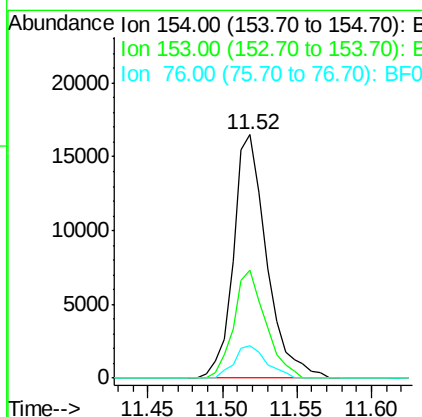
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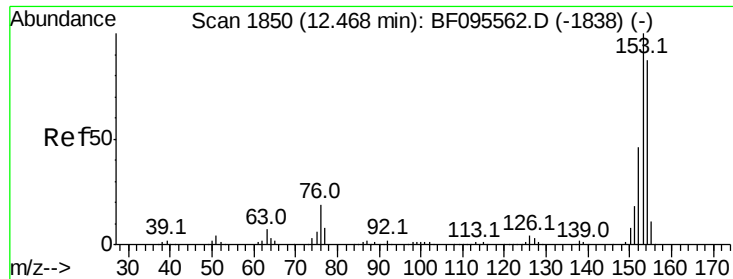
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#45
1,1'-Biphenyl
Concen: 2.19 ng
RT: 11.52 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.4	21.2	61.2
76	13.3	0.0	29.9





#51

Acenaphthene

Concen: 6.27 ng

RT: 12.46 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

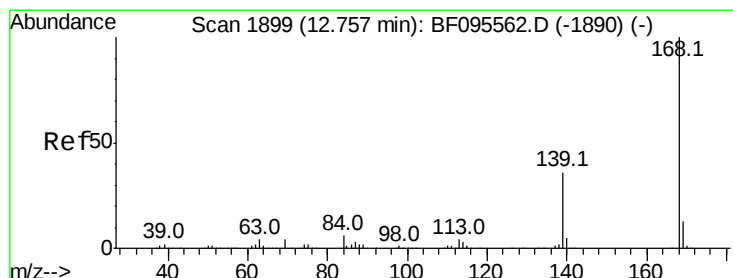
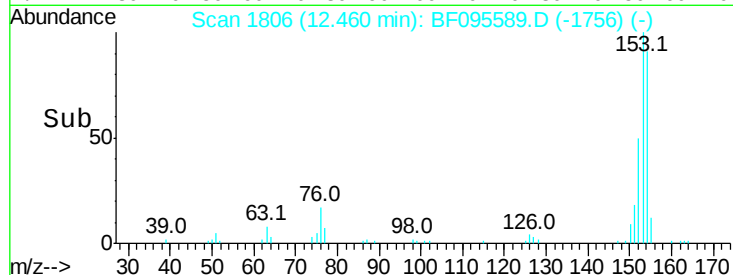
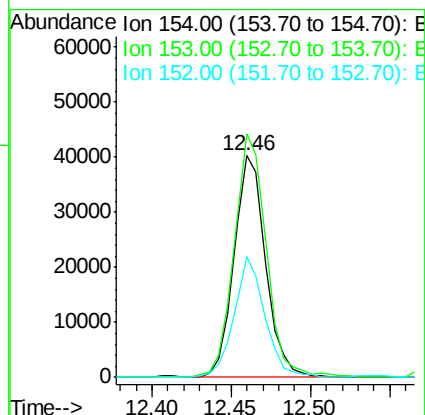
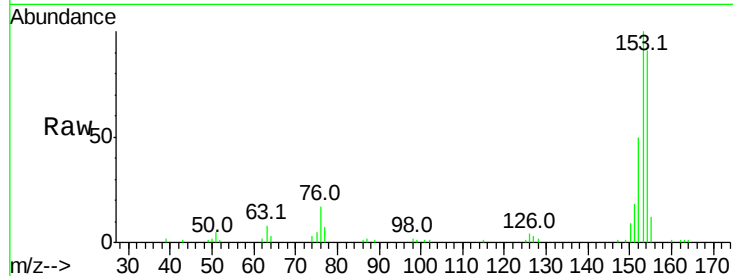
ClientSampleId :

WC-B43-B50-002

Tot Ion:	154	Resp:	55465
Ion Ratio	Lower	Upper	
154	100		
153	109.8	90.5	135.7
152	54.7	43.6	65.4

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#54

Dibenzofuran

Concen: 2.27 ng

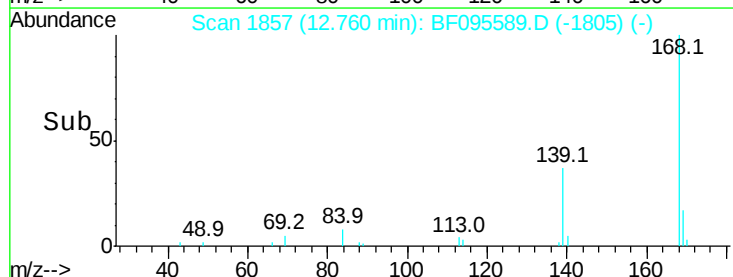
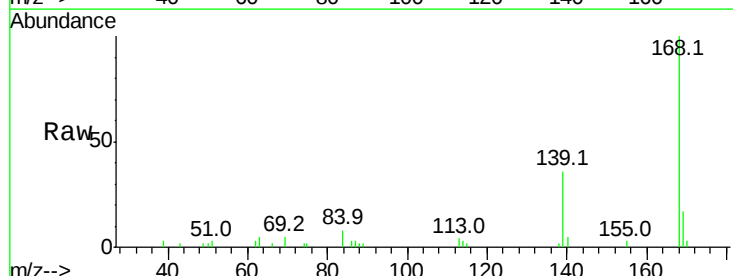
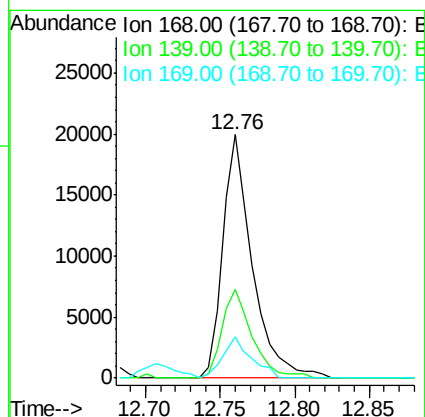
RT: 12.76 min Scan# 1857

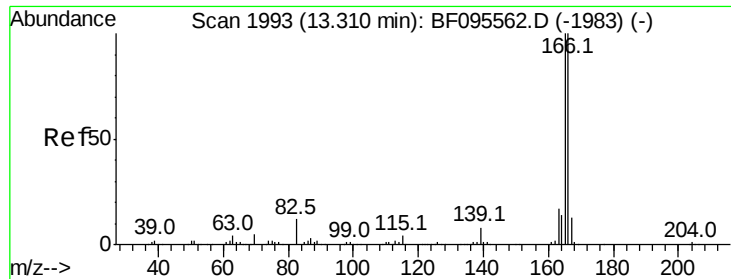
Delta R.T. 0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Tgt Ion:	168	Resp:	27760
Ion Ratio	Lower	Upper	
168	100		
139	36.2	30.6	45.8
169	16.9	10.8	16.2#





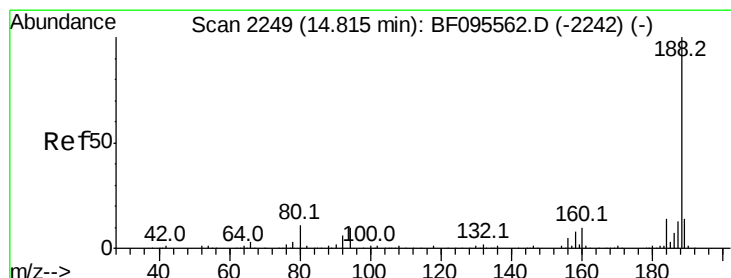
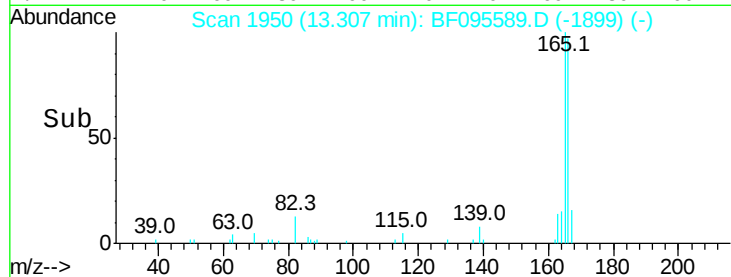
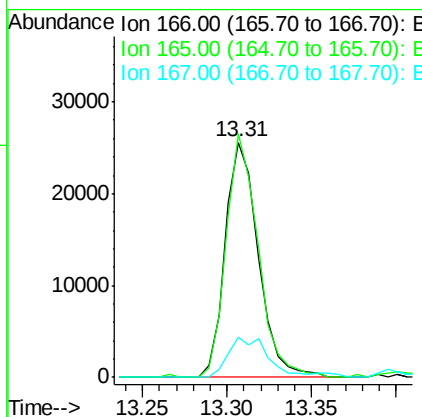
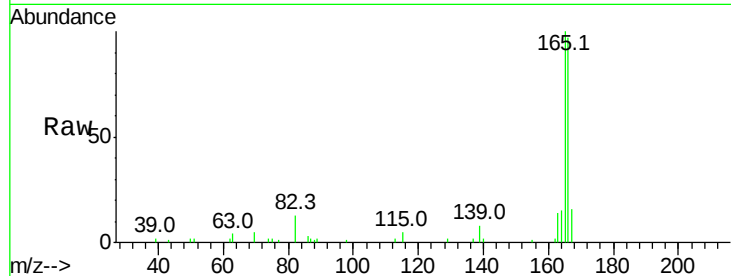
#57
Fluorene
 Concen: 3.29 ng
 RT: 13.31 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: BF095589.D
 Acq: 1 Jun 2017 6:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-B43-B50-002

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.6	78.8	118.2
167	16.9	10.6	16.0#

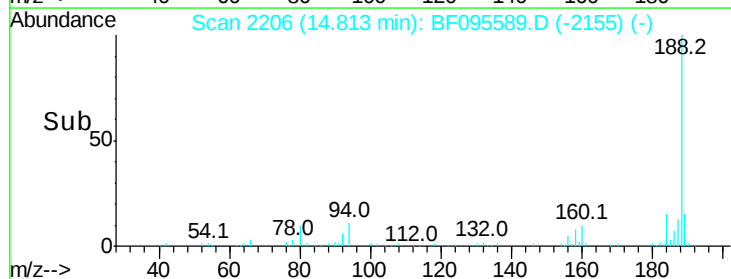
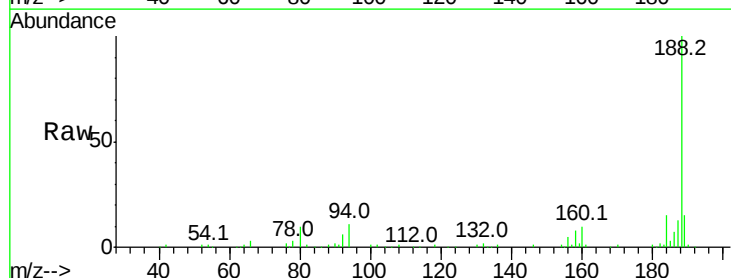
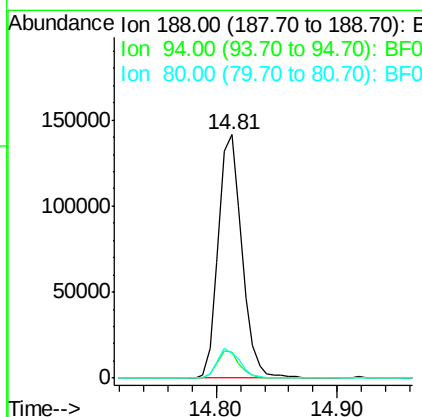
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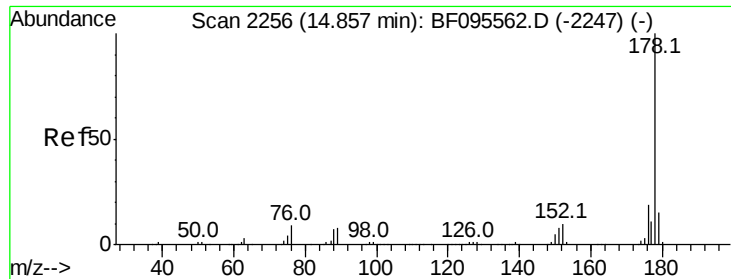
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BF095589.D
 Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.0	10.2	15.2#





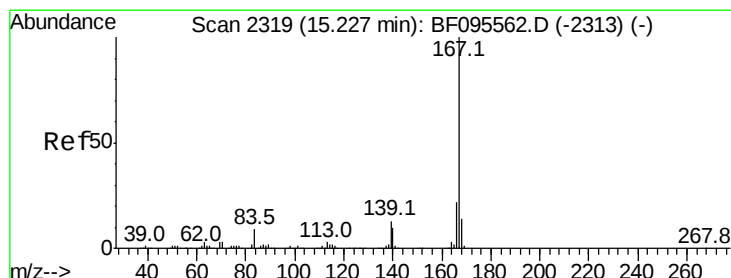
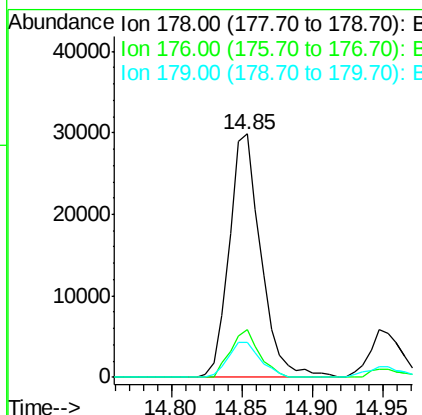
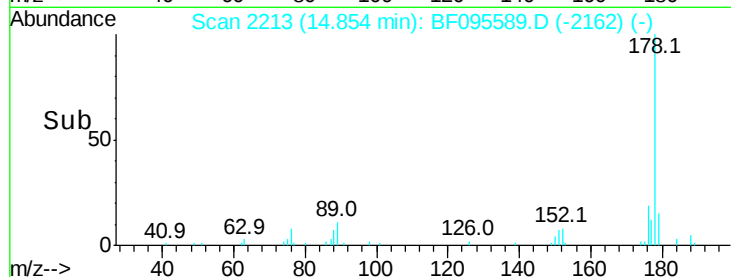
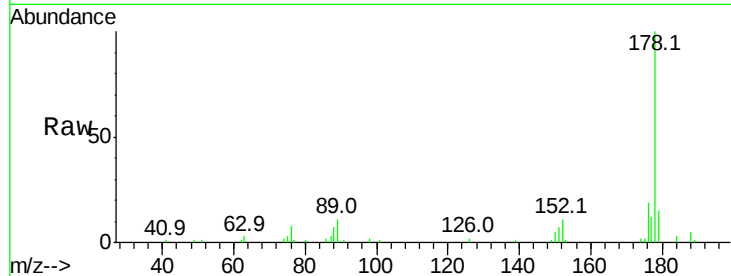
#70
Phenanthrene
Concen: 4.25 ng
RT: 14.85 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-002

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	14.5	12.6	19.0

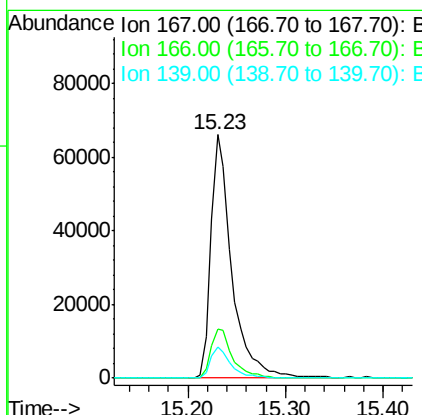
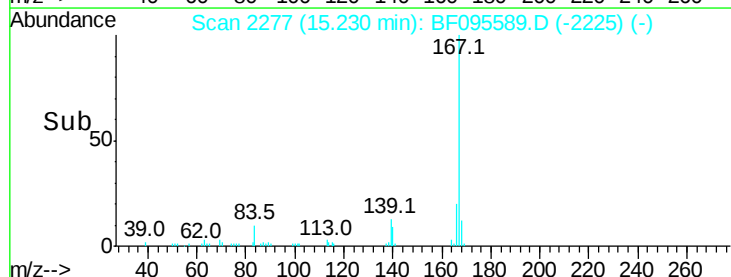
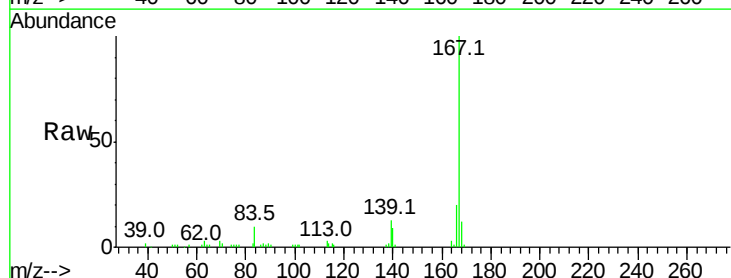
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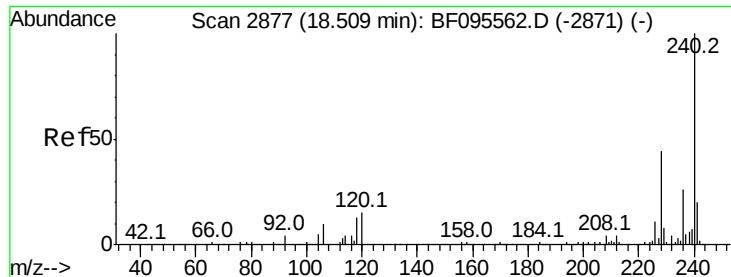
mohammad
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#72
Carbazole
Concen: 9.63 ng
RT: 15.23 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	18.1	27.1
139	12.6	11.7	17.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.51 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

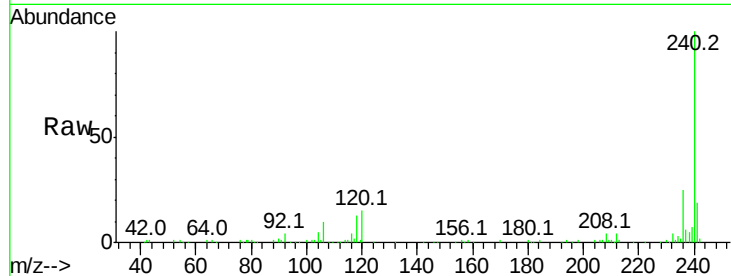
ClientSampleId :

WC-B43-B50-002

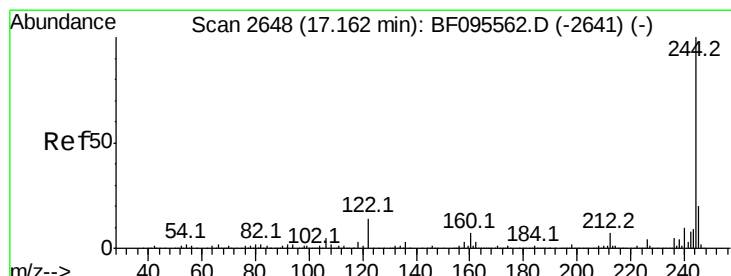
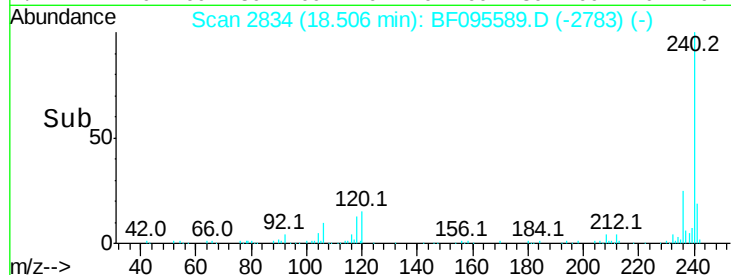
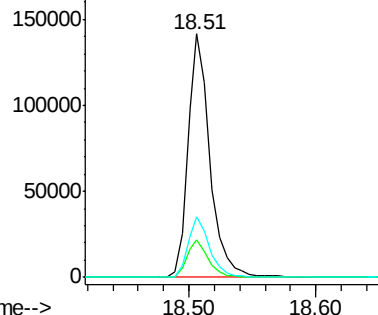
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	25.0	20.5	30.7

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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



#78

Terphenyl-d14

Concen: 85.40 ng

RT: 17.16 min Scan# 2605

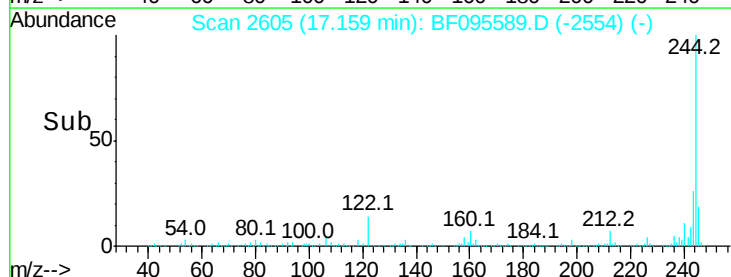
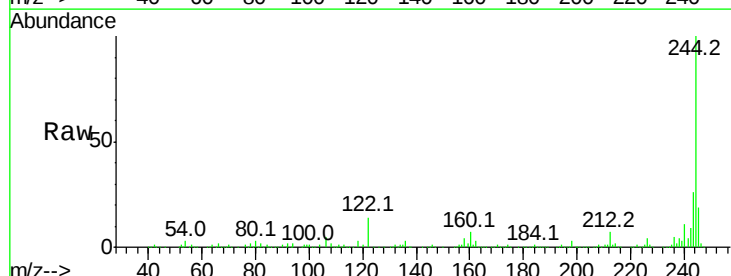
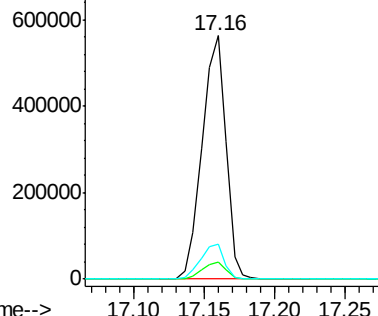
Delta R.T. -0.00 min

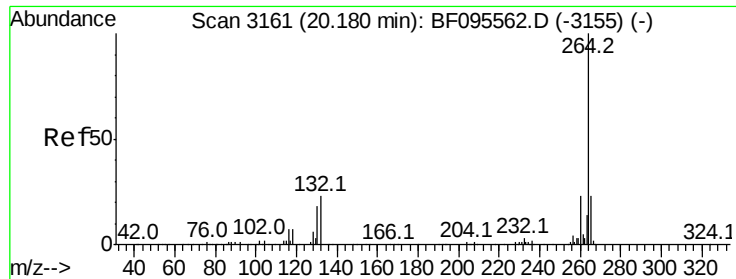
Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.4	10.3	15.5

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





#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-002

Tot Ion:	264	Resp:	135129
Ion Ratio		Lower	Upper
264	100		
260	21.5	19.5	29.3
265	21.6	17.2	25.8

Manual Integrations
APPROVED

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