

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097509.D
 Acq On : 9 Aug 2017 10:50
 Operator : SJ/JU
 Sample : I4614-02RE 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSWRE

Manual Integrations
 APPROVED

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 8/9/2017 7:17:05 PM

Quant Time: Aug 09 16:07:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	190151	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	708088	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	253371	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	373428	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	315345	20.00	ng	0.00
86) Perylene-d12	14.87	264	231330	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	397758	31.53	ng	0.00
7) Phenol-d6	6.07	99	469439	32.60	ng	-0.01
23) Nitrobenzene-d5	6.97	82	370937	30.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	53401	26.68	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	474771	31.80	ng	0.00
78) Terphenyl-d14	12.49	244	318201	20.57	ng	-0.01
Target Compounds						
14) 1,2-Dichlorobenzene	6.57	146	27760	2.207	ng	Qvalue 97
48) Acenaphthylene	9.29	152	117568	4.810	ng	98
49) Dimethylphthalate	9.17	163	51050	2.653	ng	100
70) Phenanthrene	10.93	178	51484	2.573	ng	99
71) Anthracene	10.99	178	43100	2.103	ng	99
74) Fluoranthene	12.11	202	86363	4.406	ng	96
77) Pyrene	12.33	202	140489	5.442	ng	97
80) Benzo(a)anthracene	13.52	228	54874	2.689	ng	# 53
82) Chrysene	13.56	228	45649	2.291	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.06	276	53105	3.108	ng	92
87) Benzo(b)fluoranthene	14.53	252	69578m	5.004	ng	
89) Benzo(a)pyrene	14.82	252	61910	4.865	ng	95
91) Benzo(a,h,i)perylene	16.42	276	99758	9.115	ng	100

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

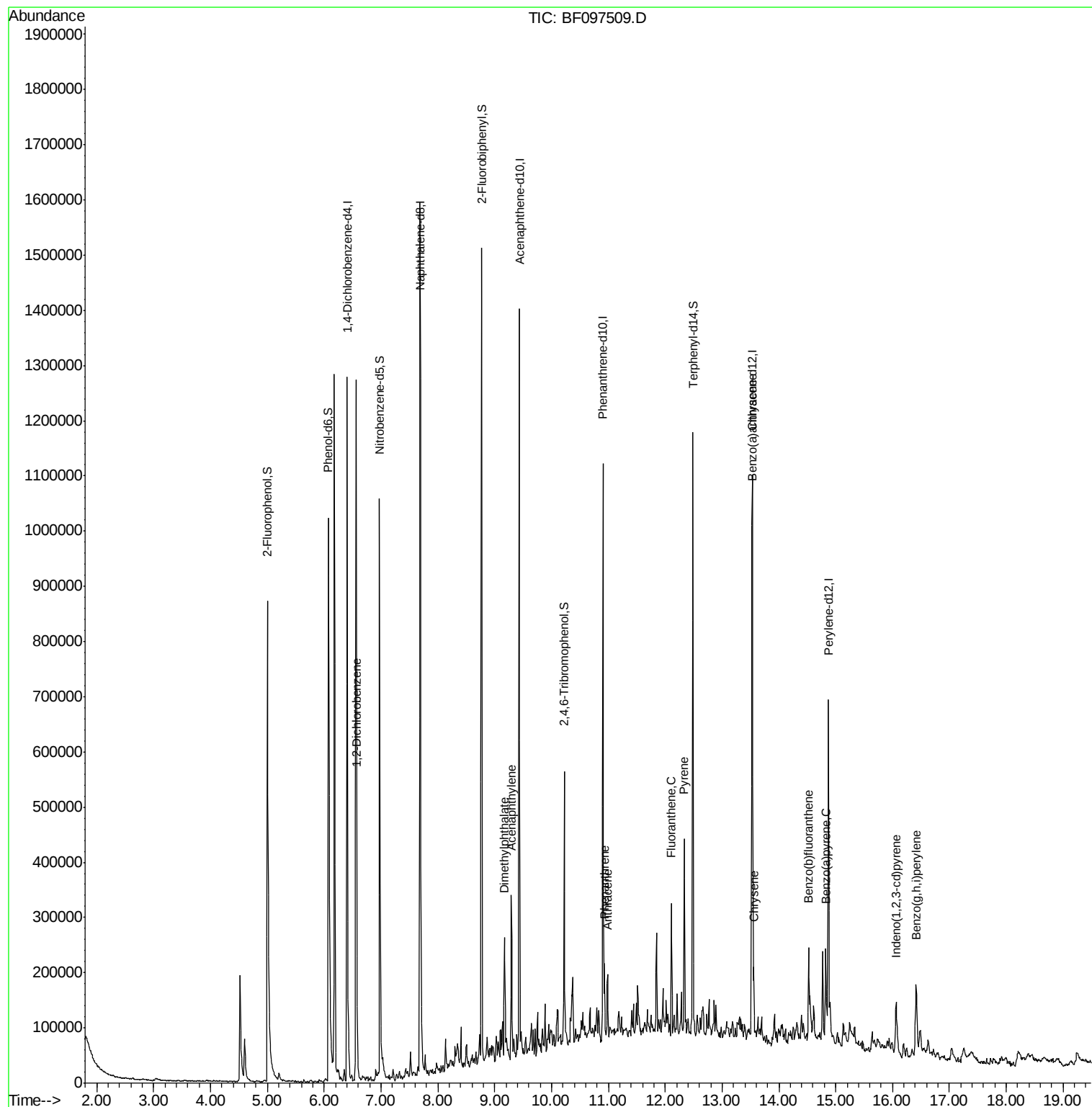
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
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ALS Vial : 33 Sample Multiplier: 1

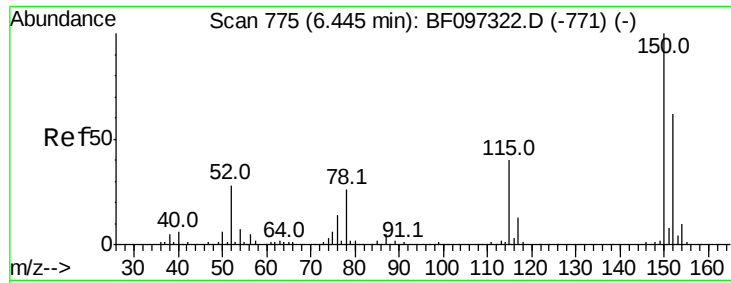
Instrument :
BNA_F
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E2-N10-WSWRE

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#1

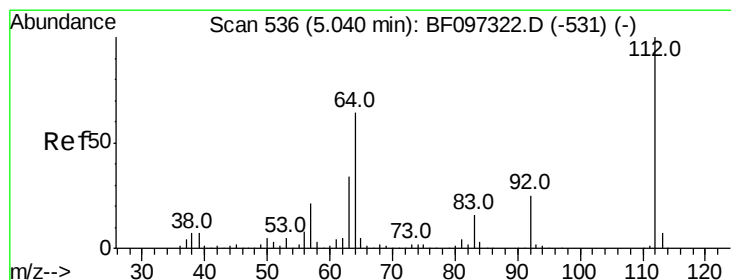
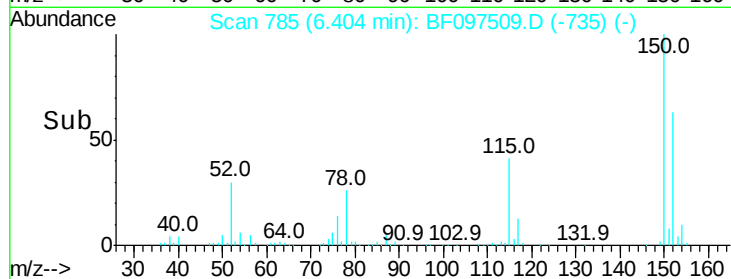
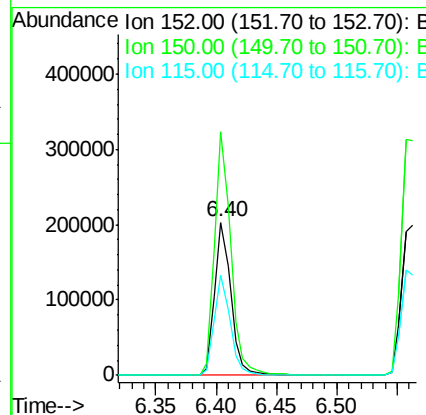
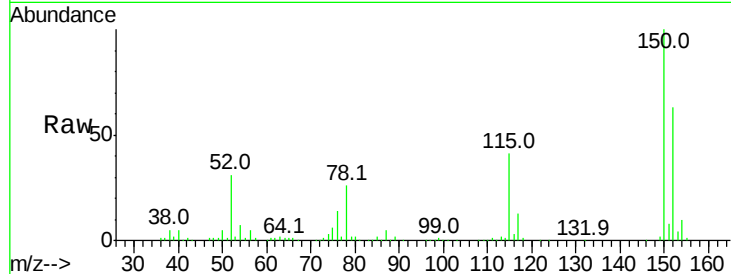
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	65.6	52.2	78.2

Manual Integrations
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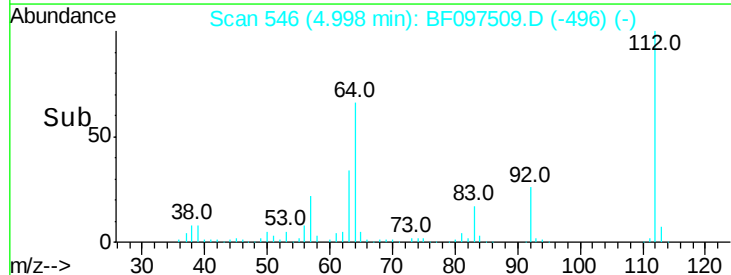
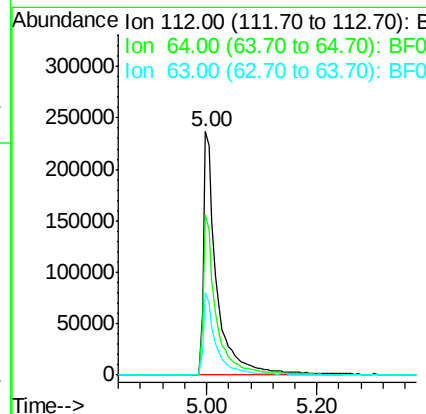
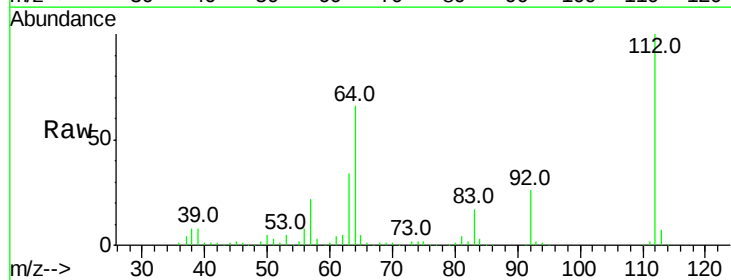
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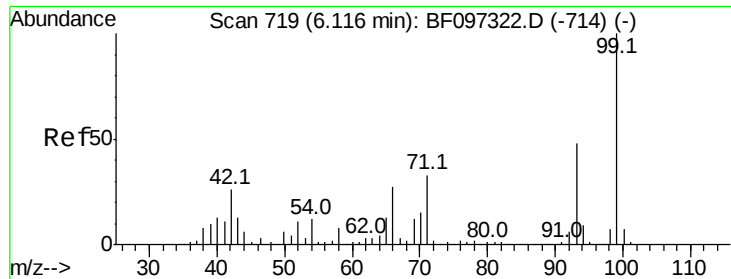


#5

2-Fluorophenol
Concen: 31.534 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 32.600 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSWRE

Tot Ion: 99 Resp: 469439

Ion Ratio Lower Upper

99 100

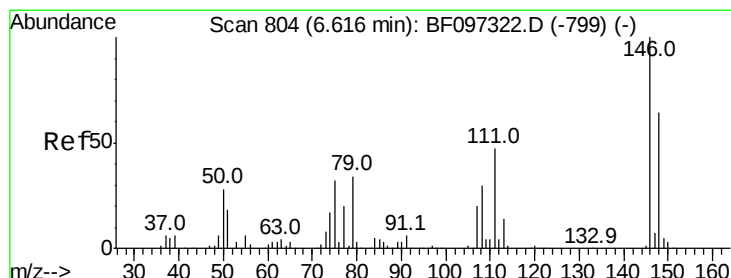
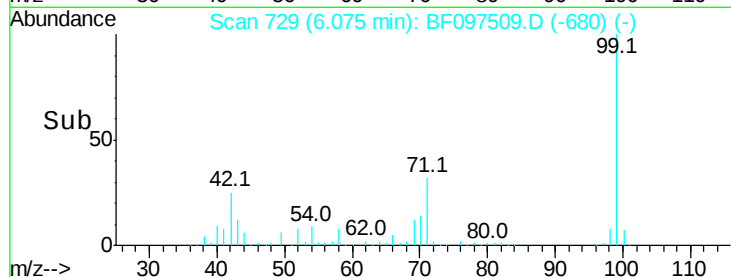
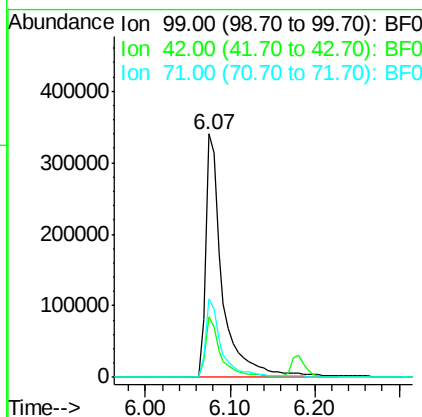
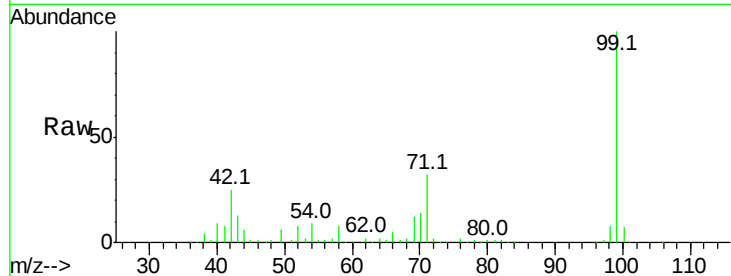
42 24.9 13.5 20.3#

71 32.3 24.5 36.7

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#14

1,2-Dichlorobenzene

Concen: 2.207 ng

RT: 6.57 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

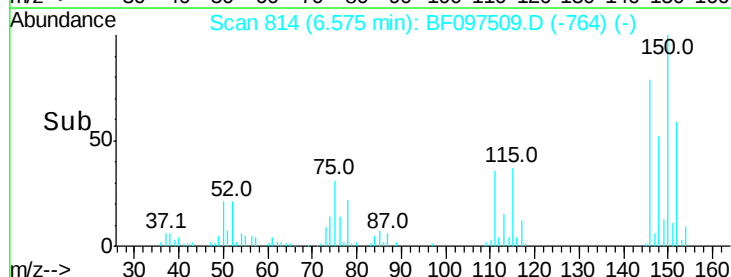
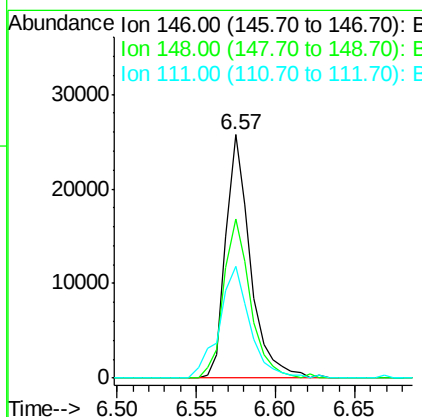
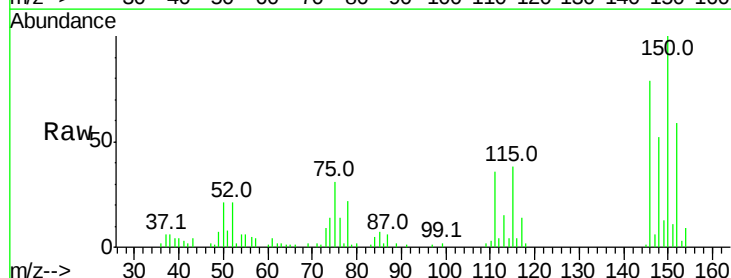
Tgt Ion: 146 Resp: 27760

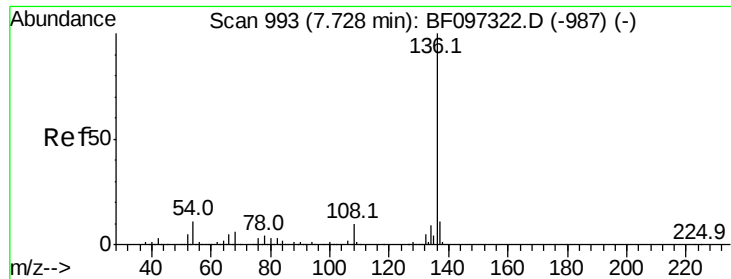
Ion Ratio Lower Upper

146 100

148 65.4 50.4 75.6

111 46.1 38.2 57.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

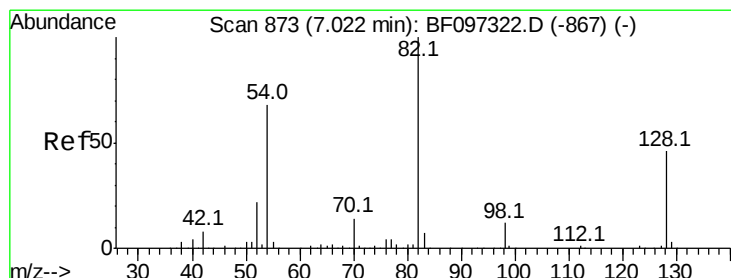
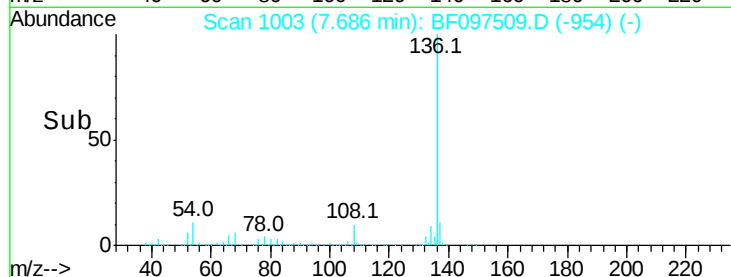
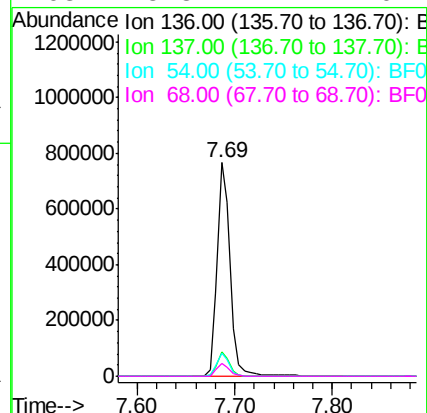
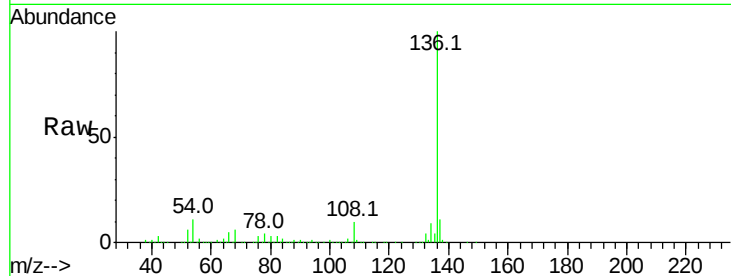
ClientSampleId :

E2-N10-WSWRE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.8	4.9	7.3	
68	5.8	4.1	6.1	

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#23

Nitrobenzene-d5

Concen: 30.732 ng

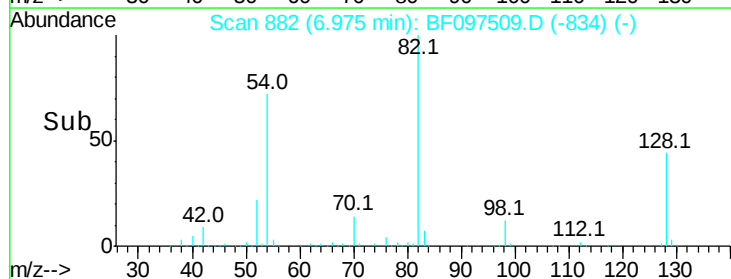
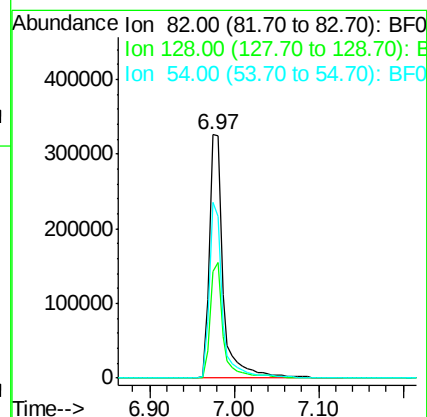
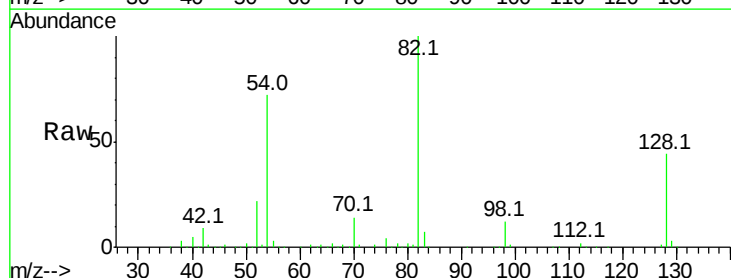
RT: 6.97 min Scan# 882

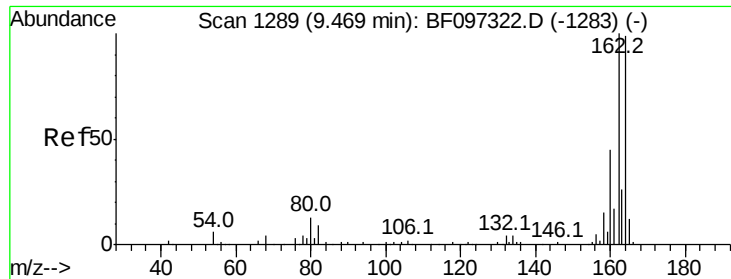
Delta R.T. -0.02 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	34.0	51.0	
54	72.1	42.2	63.2	





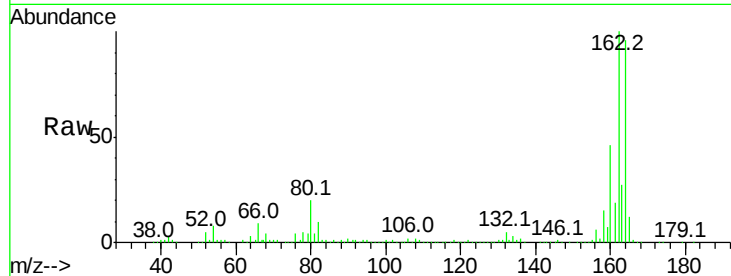
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

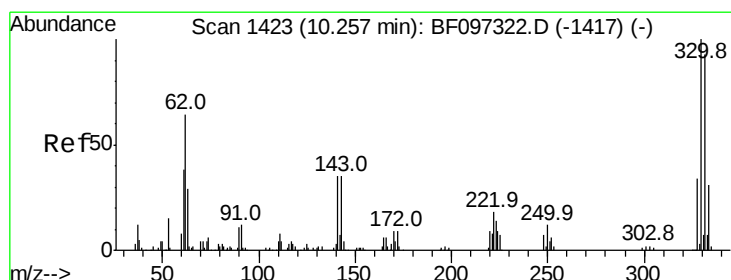
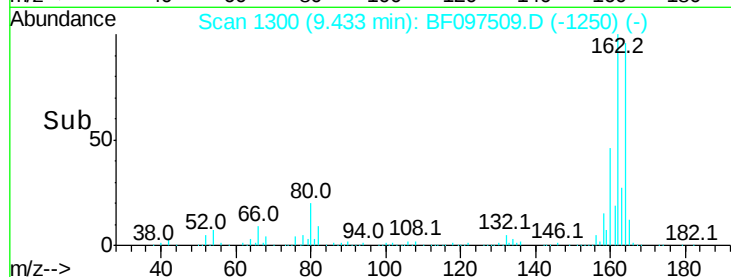
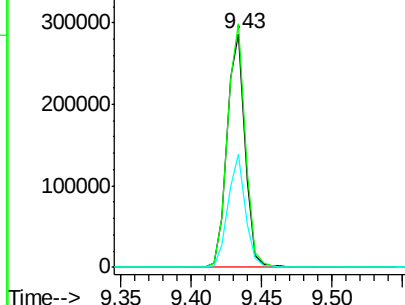
Tot Ion	Ratio	Resp	Lower	Upper
164	100	253371		
162	104.1	82.6	123.8	
160	48.2	36.2	54.2	

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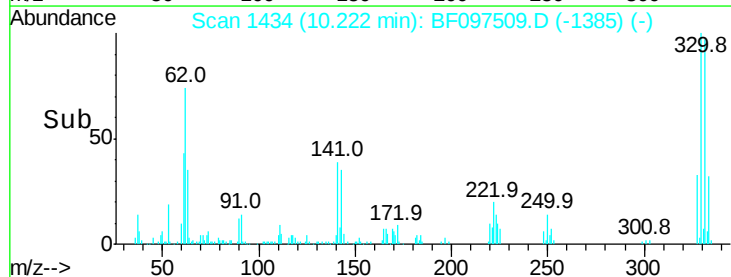
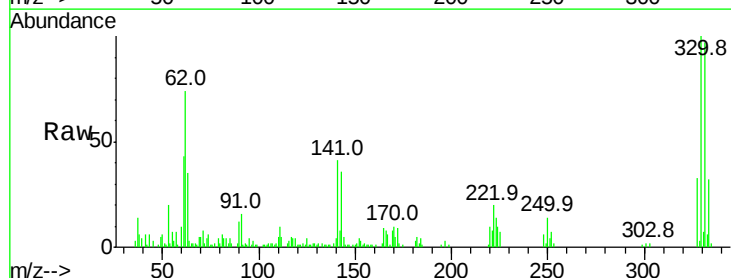
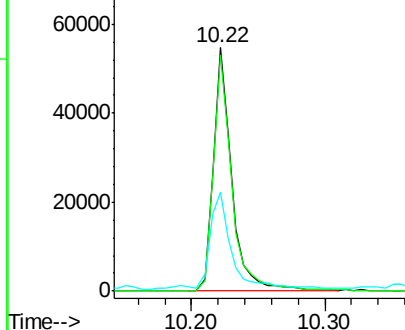
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

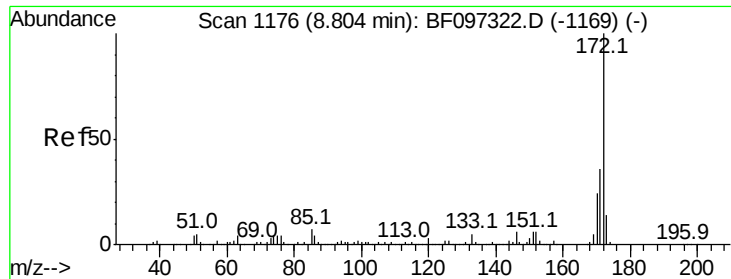


#41
2,4,6-Tribromophenol
Concen: 26.675 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	53401		
332	97.2	76.6	115.0	
141	45.4	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: 31.800 ng

RT: 8.77 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

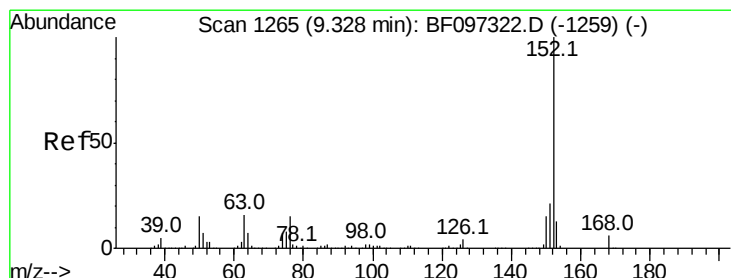
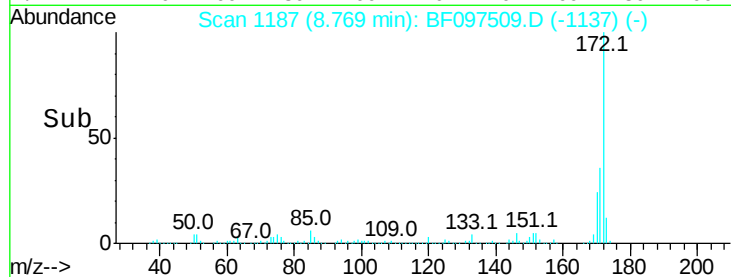
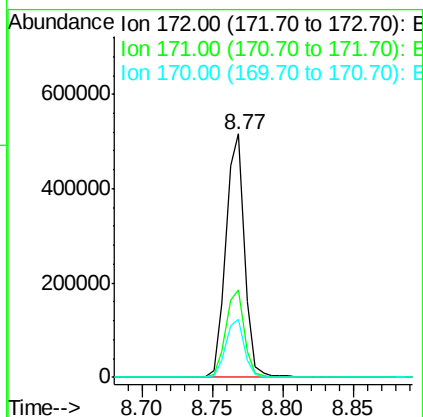
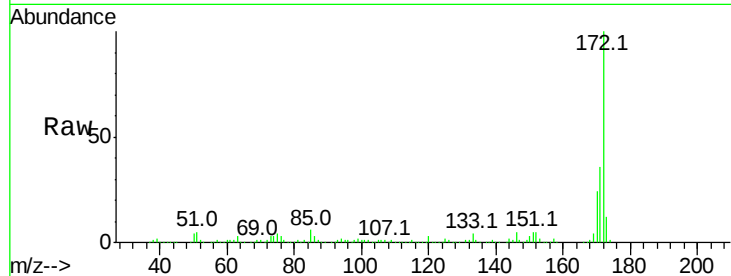
ClientSampleId :

E2-N10-WSWRE

Tot Ion:	172	Resp:	474771
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	23.7	19.8	29.8

Manual Integrations
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#48

Acenaphthylene

Concen: 4.810 ng

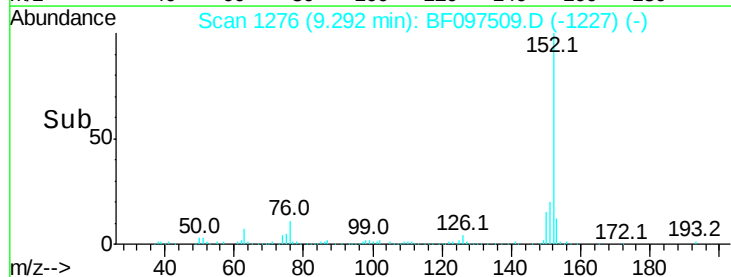
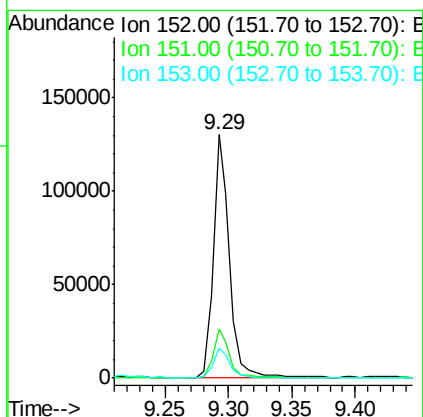
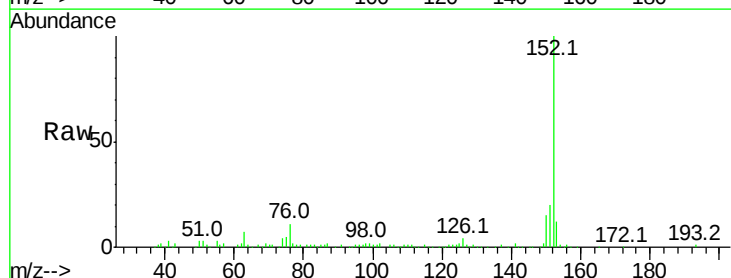
RT: 9.29 min Scan# 1276

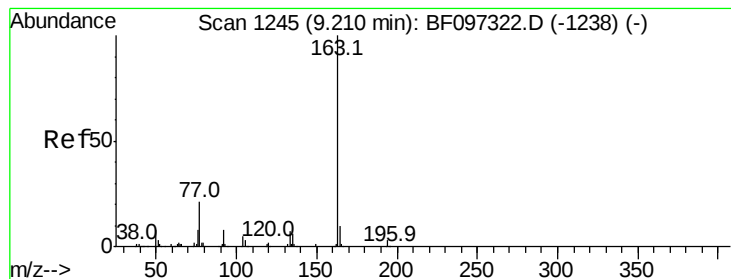
Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Tgt Ion:	152	Resp:	117568
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.8	25.2
153	12.1	10.8	16.2





#49

Dimethylphthalate

Concen: 2.653 ng

RT: 9.17 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

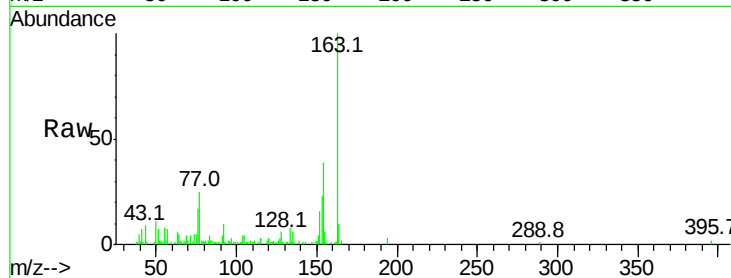
ClientSampleId :

E2-N10-WSWRE

Tot Ion:	163	Resp:	51050
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	10.4	8.4	12.6

Manual Integrations
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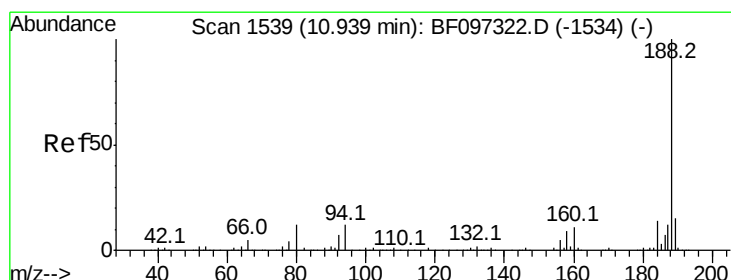
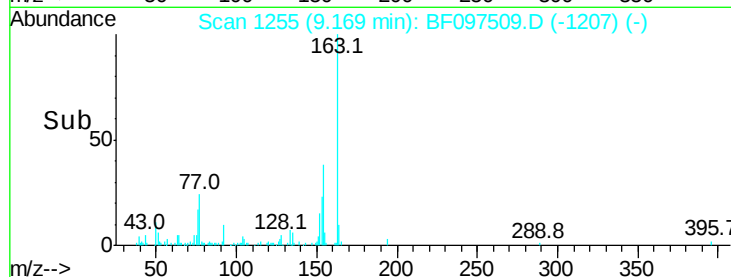
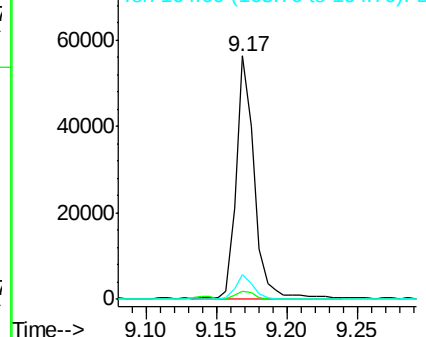
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

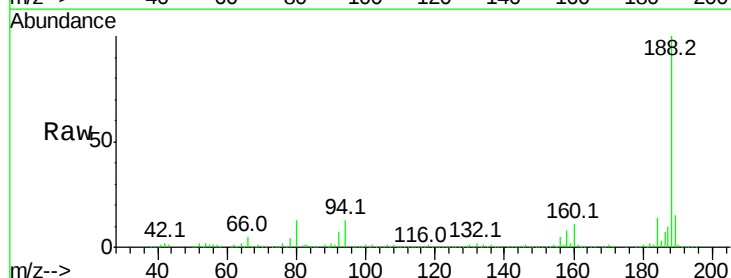
RT: 10.90 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

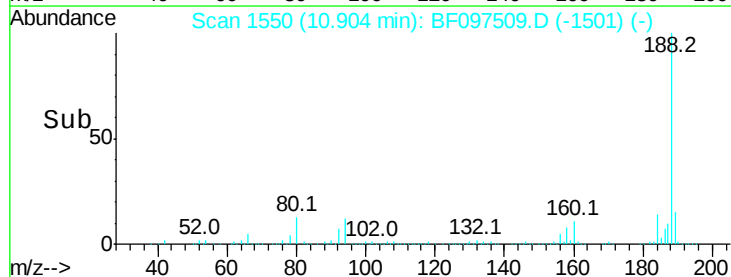
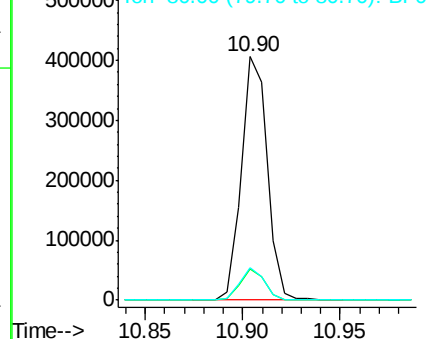
Tgt Ion:	188	Resp:	373428
Ion Ratio	Lower	Upper	
188	100		
94	12.6	9.4	14.2
80	13.3	10.2	15.2

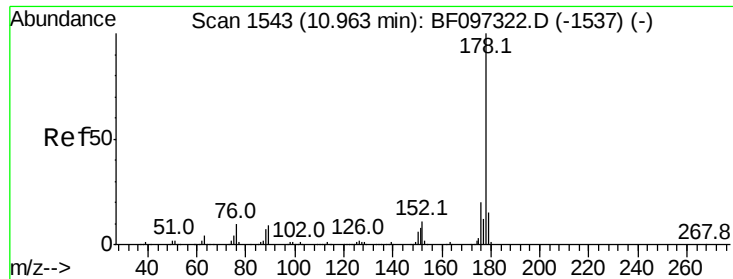


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





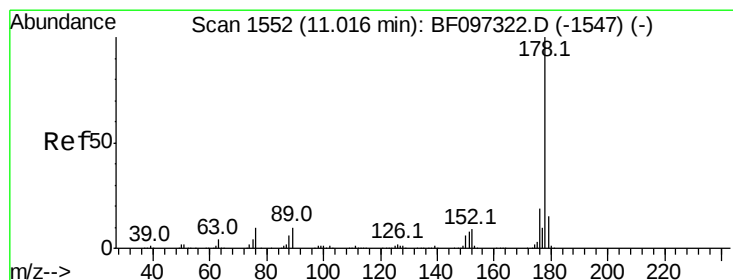
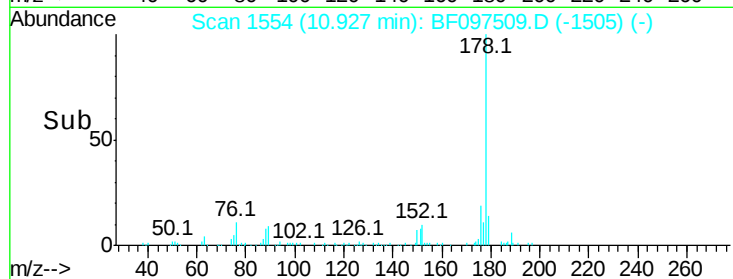
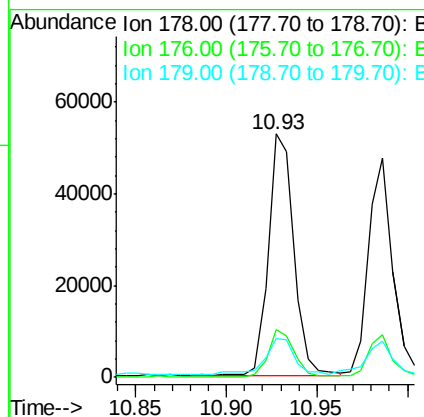
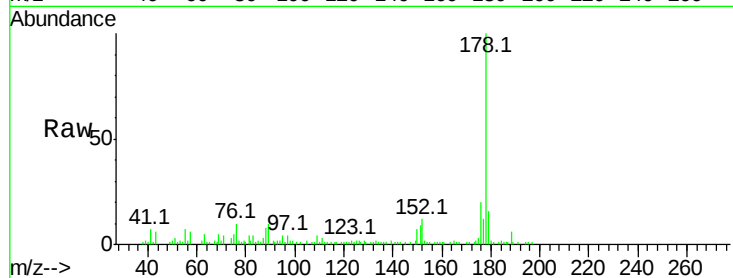
#70
Phenanthrene
Concen: 2.573 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.9	12.6	19.0

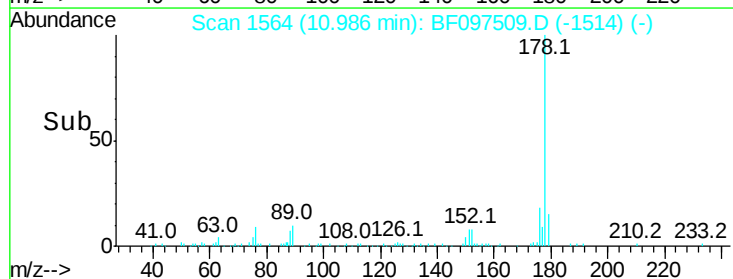
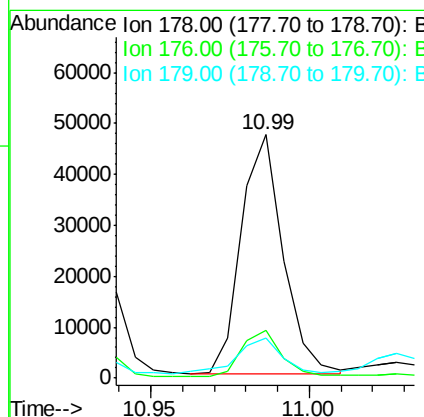
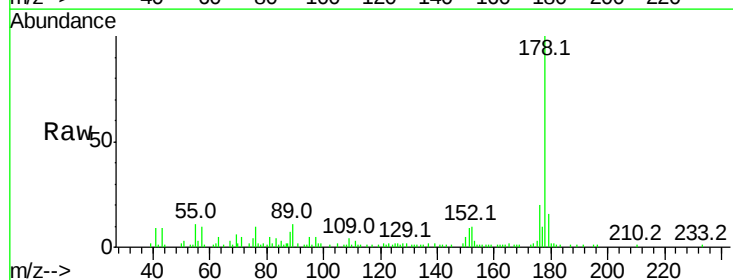
Manual Integrations
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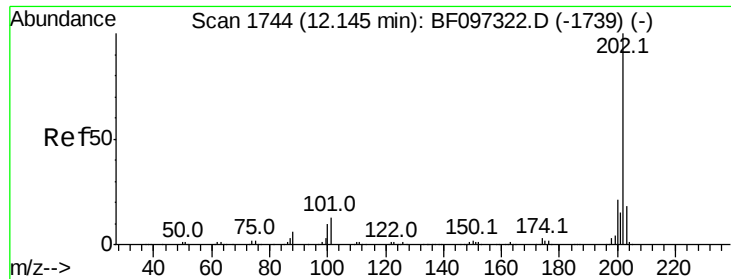
Sohil
8/9/2017 7:17:05 PM



#71
Anthracene
Concen: 2.103 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.3	12.7	19.1





#74

Fluoranthene

Concen: 4.406 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

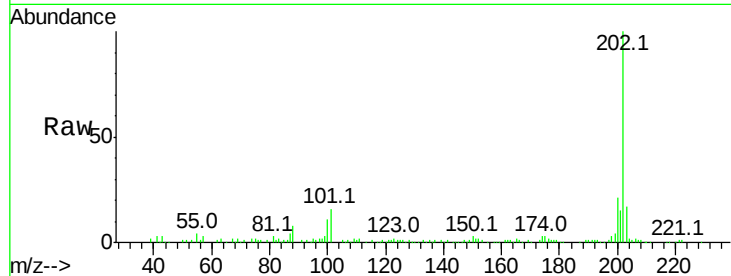
ClientSampleId :

E2-N10-WSWRE

Tot Ion:	202	Resp:	86363
Ion Ratio	Lower	Upper	
202	100		
101	15.8	0.0	33.2
203	17.1	0.0	38.1

Manual Integrations
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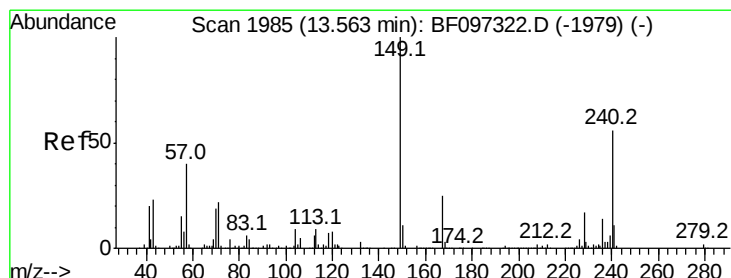
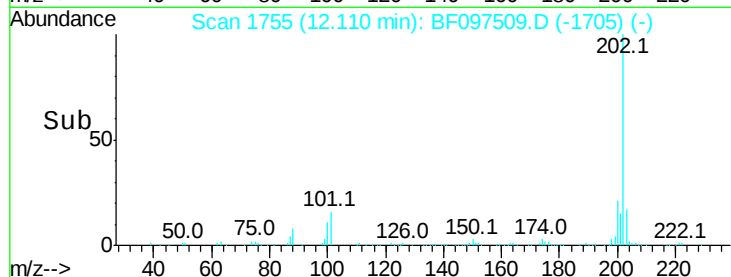
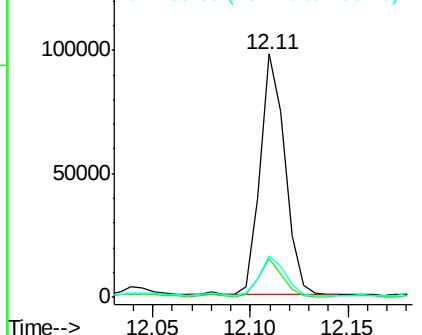
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

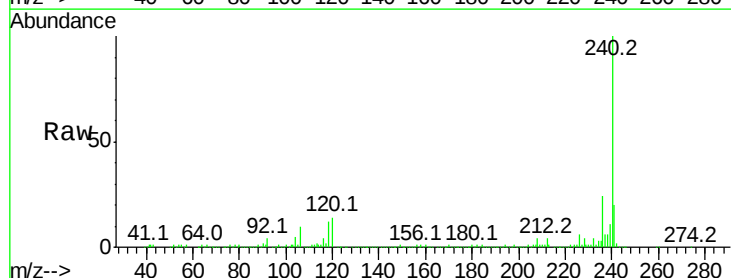
RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

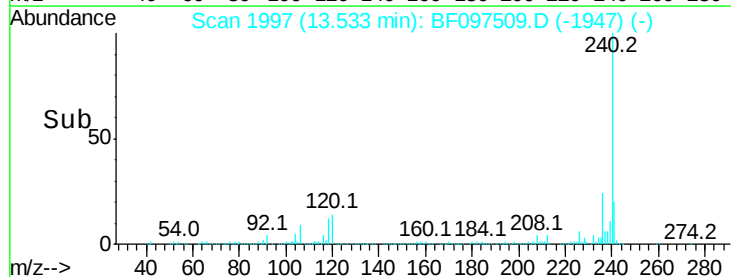
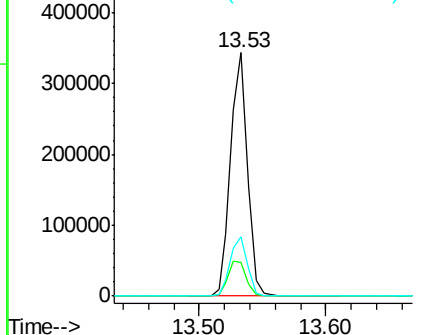
Tgt Ion:	240	Resp:	315345
Ion Ratio	Lower	Upper	
240	100		
120	14.0	5.8	8.8#
236	24.3	20.5	30.7

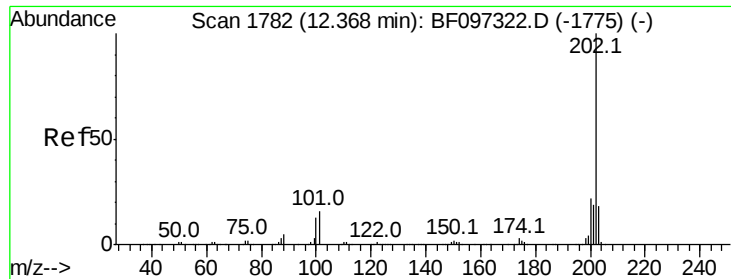


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.442 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

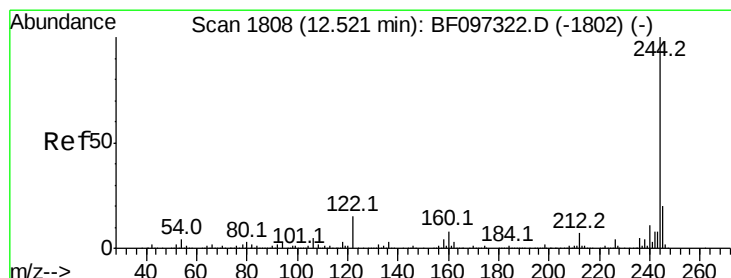
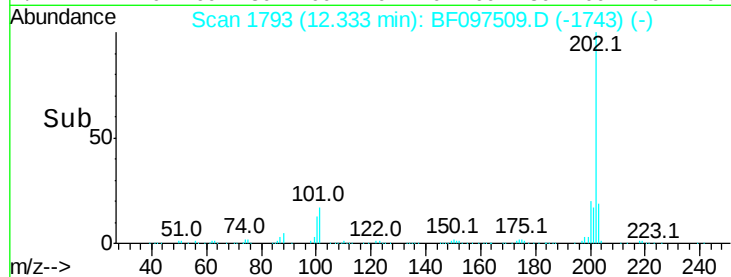
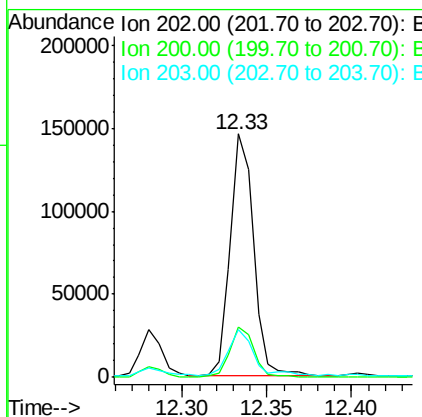
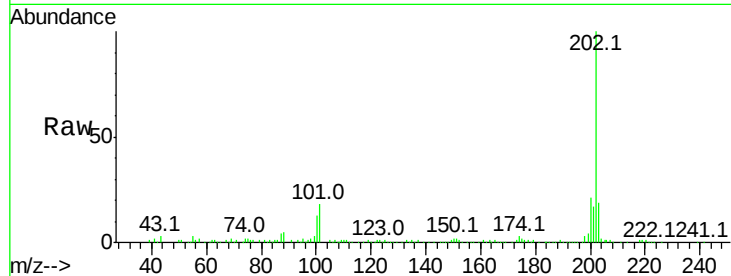
ClientSampleId :

E2-N10-WSWRE

Tot Ion:	202	Resp:	140489
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.4	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 20.573 ng

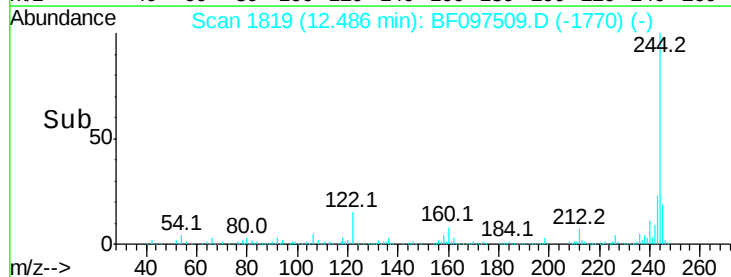
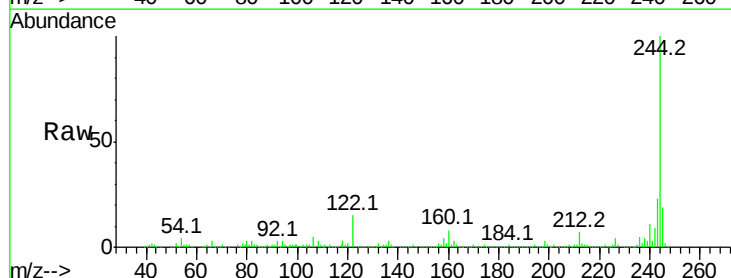
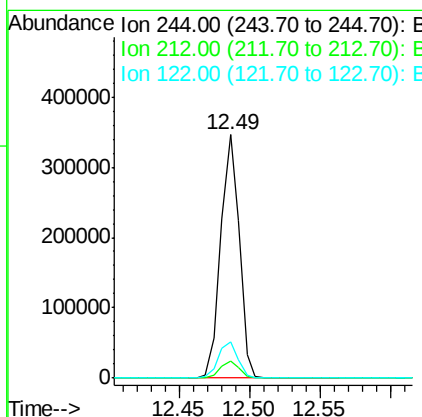
RT: 12.49 min Scan# 1819

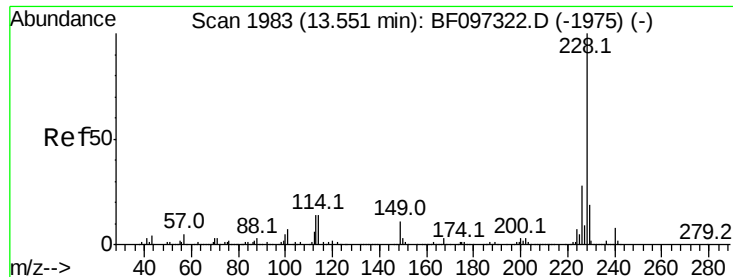
Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Tgt Ion:	244	Resp:	318201
Ion Ratio		Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.0	10.3	15.5





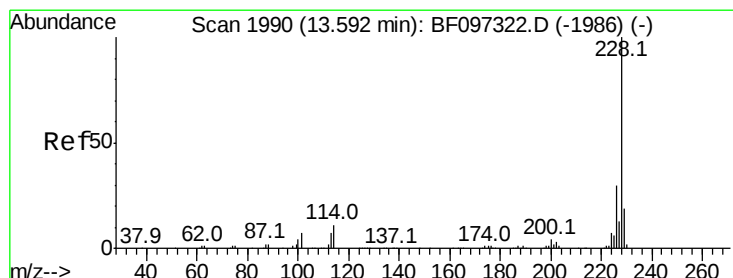
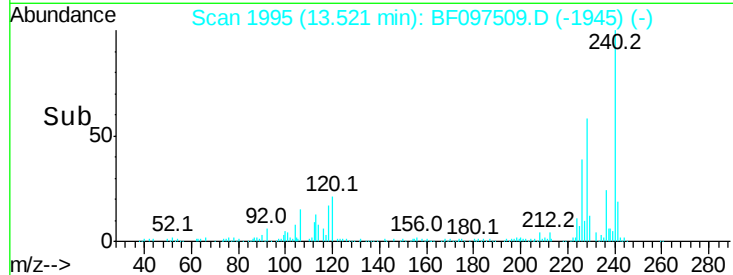
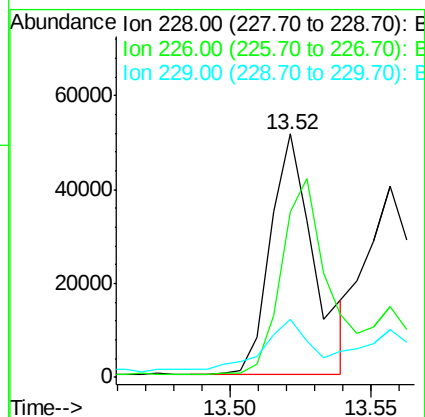
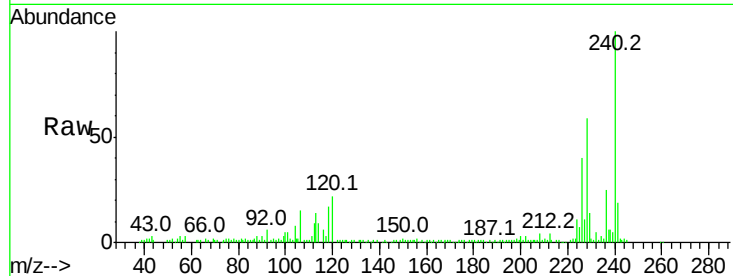
#80
Benzo(a)anthracene
Concen: 2.689 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	67.8	22.6	33.8#
229	24.0	16.3	24.5

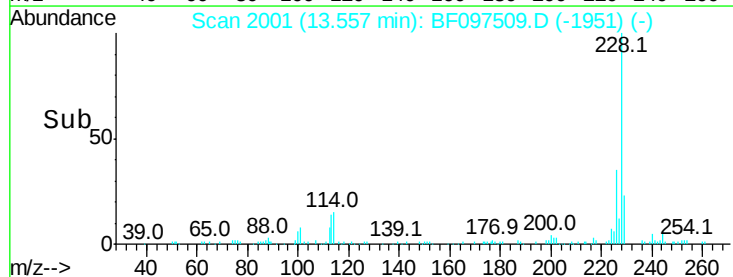
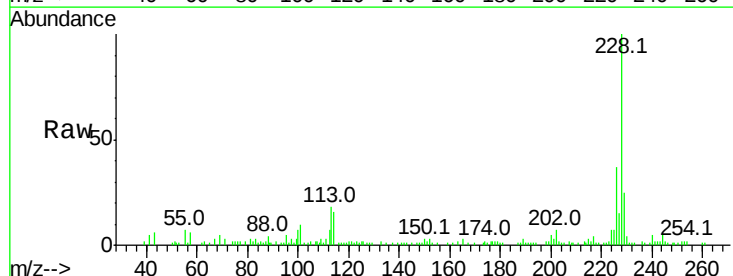
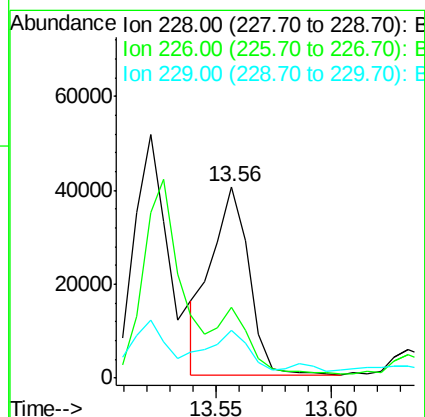
Manual Integrations
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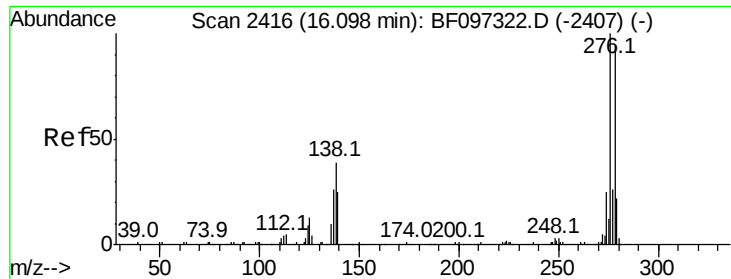
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#82
Chrysene
Concen: 2.291 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.3	24.9	37.3
229	25.1	15.8	23.6#





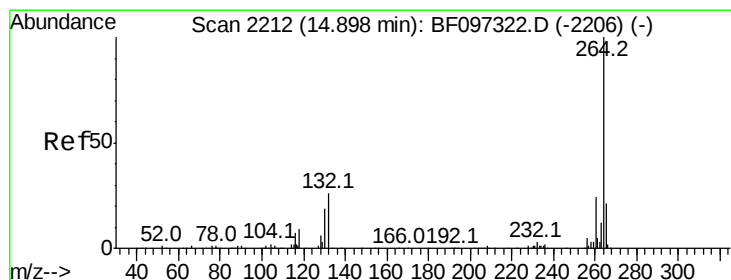
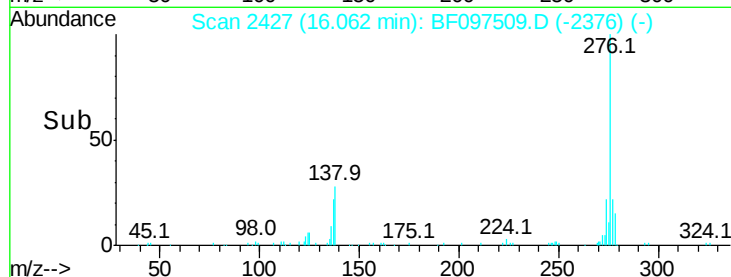
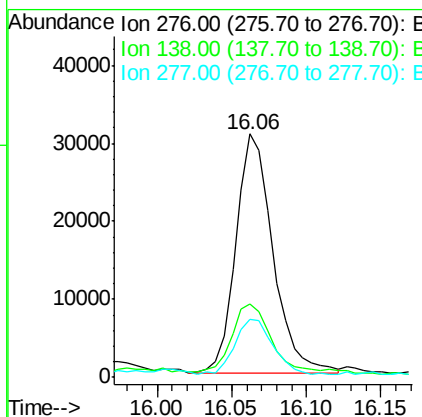
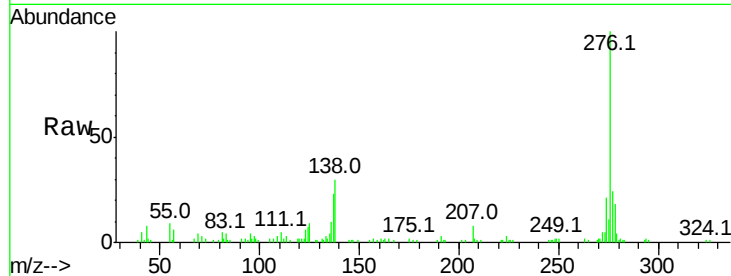
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.108 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	23.0	20.2	30.4

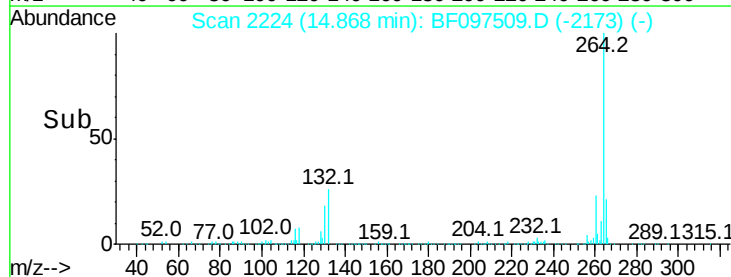
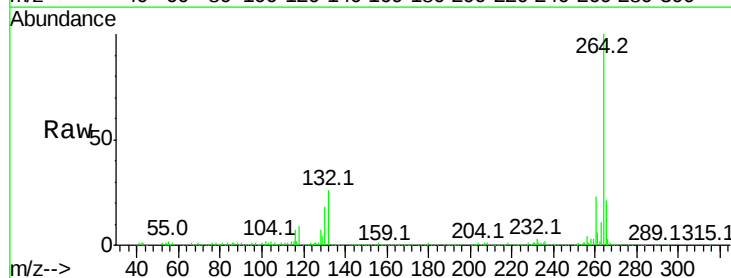
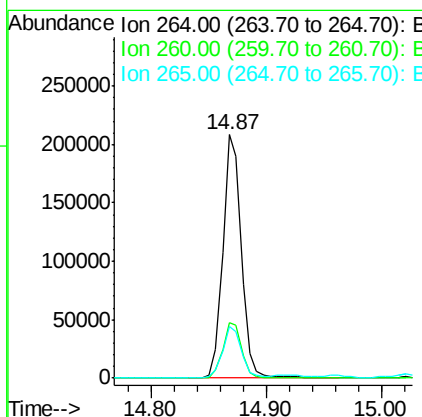
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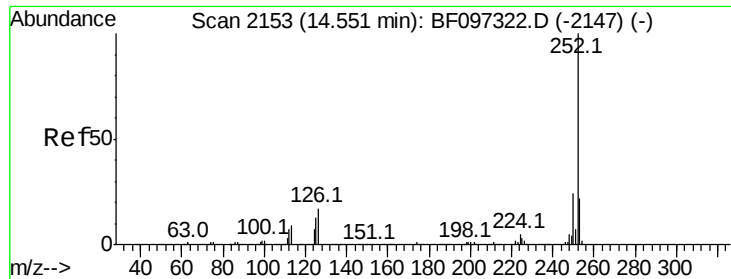
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.004 ng/mL

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

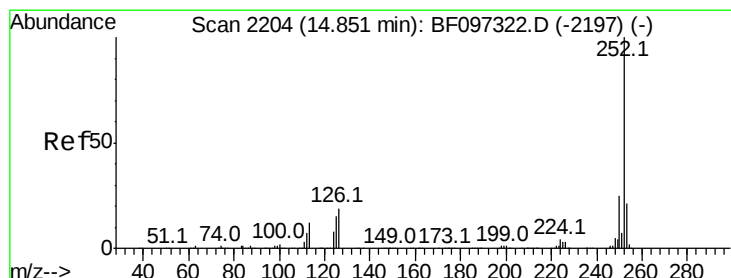
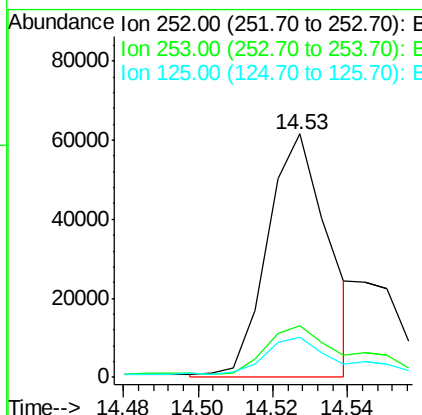
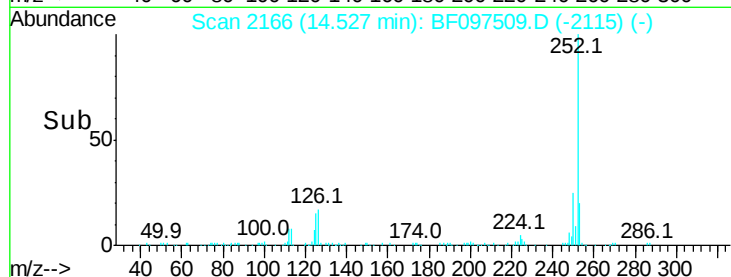
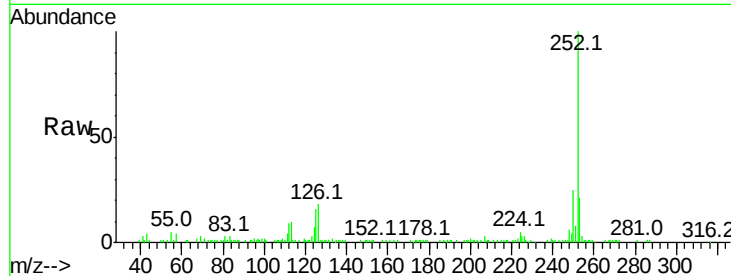
ClientSampleId :

E2-N10-WSWRE

Tot Ion:	252	Resp:	69578
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.1	27.1
125	16.2	9.8	14.8

Manual Integrations
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8/9/2017 7:17:05 PM



#89

Benzo(a)pyrene

Concen: 4.865 ng/mL

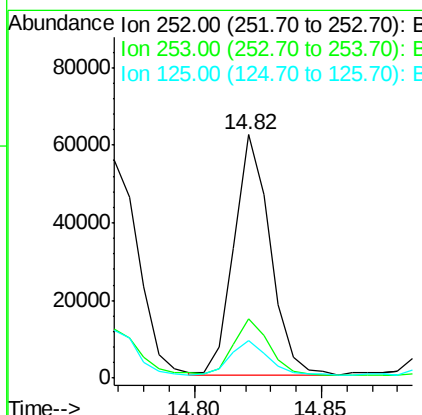
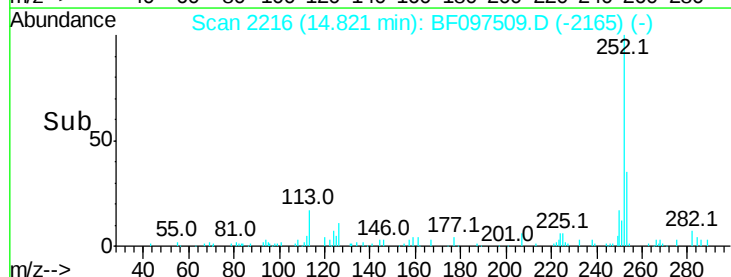
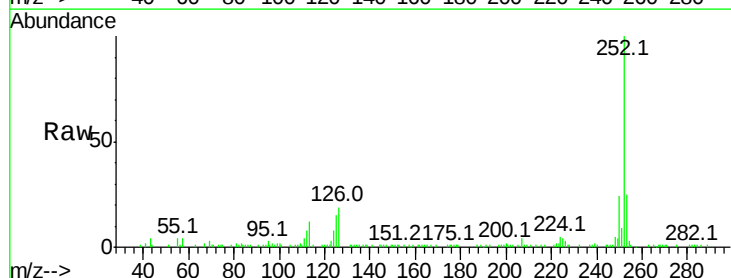
RT: 14.82 min Scan# 2216

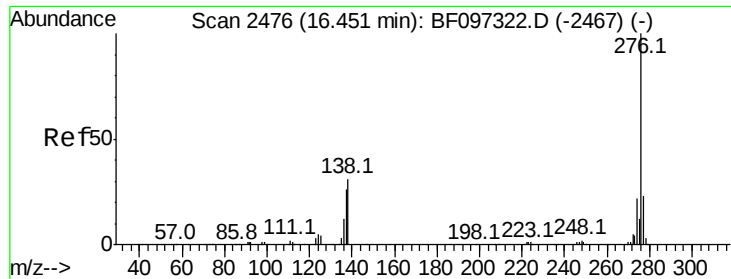
Delta R.T. 0.00 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Tgt Ion:	252	Resp:	61910
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.5	26.3
125	15.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.115 ng
 RT: 16.42 min Scan# 2487
 Delta R.T. 0.01 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSWRE

Tot Ion:	276	Resp:	99758
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	28.0
138	31.8	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:17:05 PM

