

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095019.D
 Acq On : 9 May 2017 12:39
 Operator : SJ/MA
 Sample : I3013-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U8-BASE

Manual Integrations
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 5/9/2017 5:03:37 PM

Quant Time: May 09 16:12:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	99165	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	378203	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	176570	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	275782	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	186364	20.00	ng	-0.02
86) Perylene-d12	20.30	264	168297	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	1069375	179.79	ng	-0.02
7) Phenol-d6	7.27	99	1343320	188.23	ng	-0.01
23) Nitrobenzene-d5	8.62	82	774357	129.11	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	226411	156.57	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1429214	116.50	ng	-0.02
78) Terphenyl-d14	17.29	244	982079	116.07	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.28	94	235195	31.27	ng	91
17) 2-Methylphenol	8.20	107	410823	74.15	ng	95
20) 3+4-Methylphenols	8.47	107	656922	87.26	ng	# 61
27) 2,4-Dimethylphenol	9.31	122	214354m	39.08	ng	
31) Naphthalene	9.77	128	57288	3.01	ng	100
37) 2-Methylnaphthalene	10.90	142	60388	4.84	ng	98
49) Dimethylphthalate	12.20	163	180347	12.44	ng	98
70) Phenanthrene	15.00	178	160263	10.11	ng	97
74) Fluoranthene	16.75	202	45007	2.77	ng	99
77) Pyrene	17.05	202	64712	4.64	ng	97

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

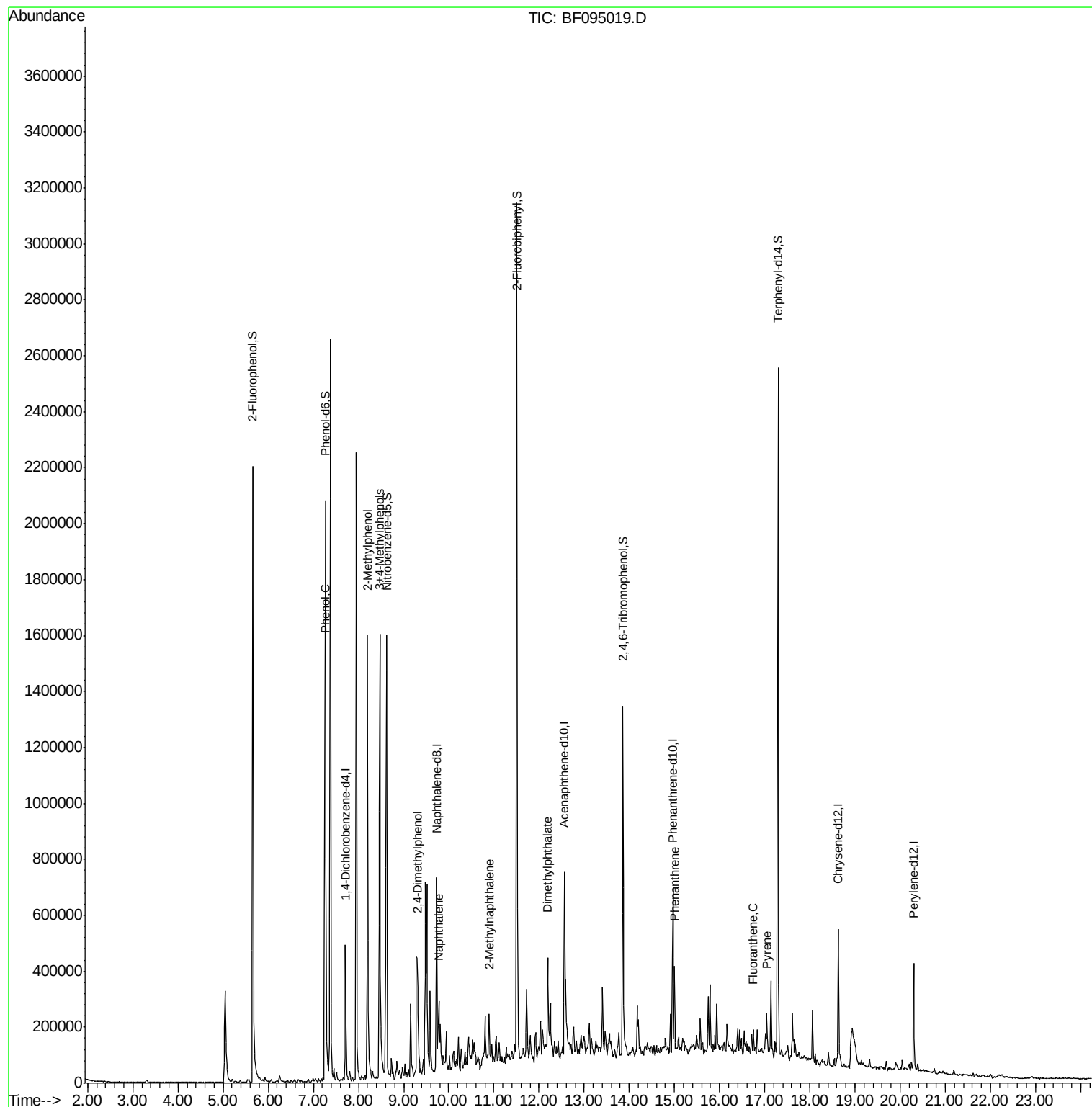
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF095019.D
Acq On : 9 May 2017 12:39
Operator : SJ/MA
Sample : I3013-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

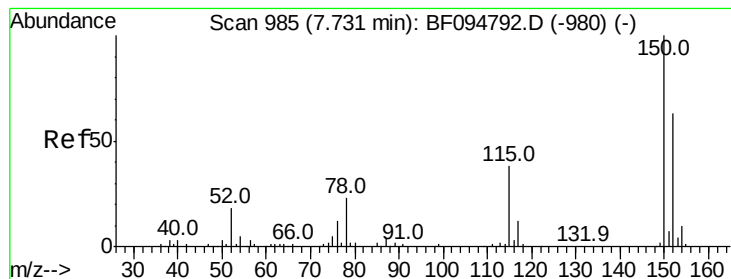
Instrument :
BNA_F
ClientSampleId :
E2-U8-BASE

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#1

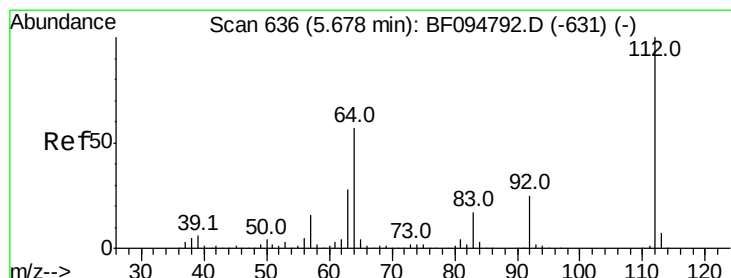
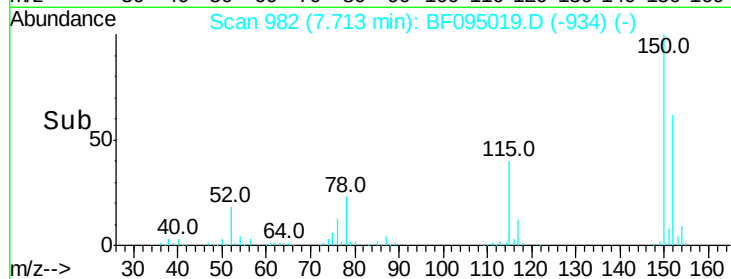
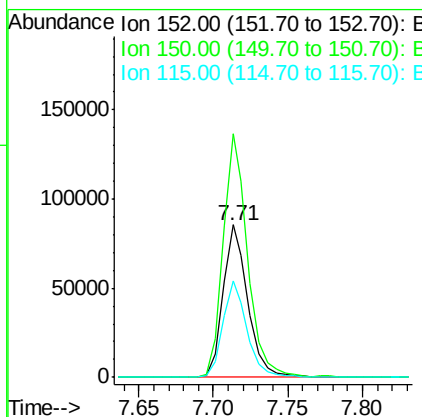
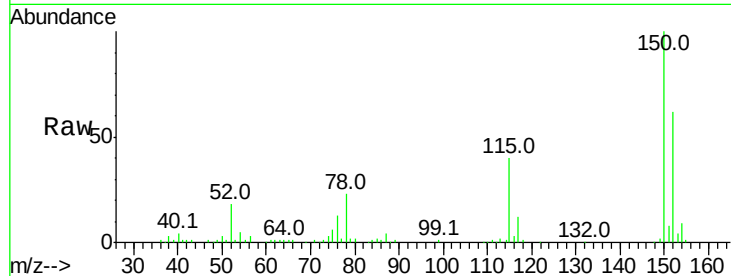
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :
E2-U8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	63.4	52.2	78.2

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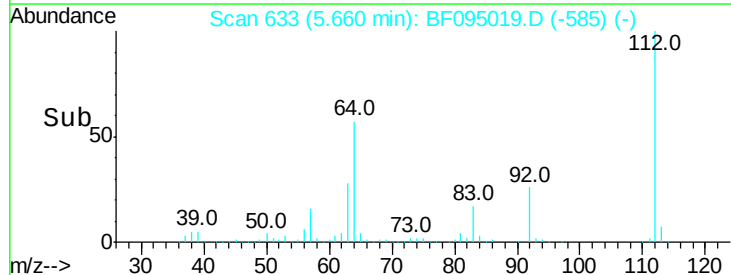
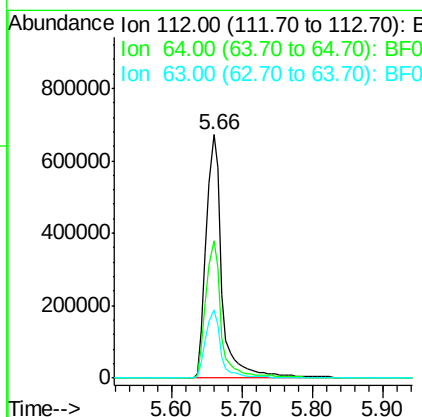
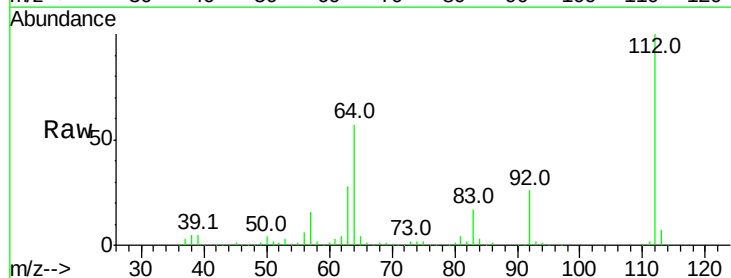
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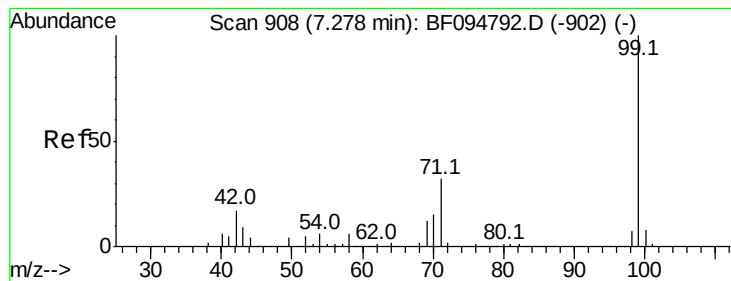


#5

2-Fluorophenol
Concen: 179.79 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.0	69.0
63	27.9	23.4	35.0





#7

Phenol-d6

Concen: 188.23 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampled :

E2-U8-BASE

Tot Ion: 99 Resp: 1343320

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

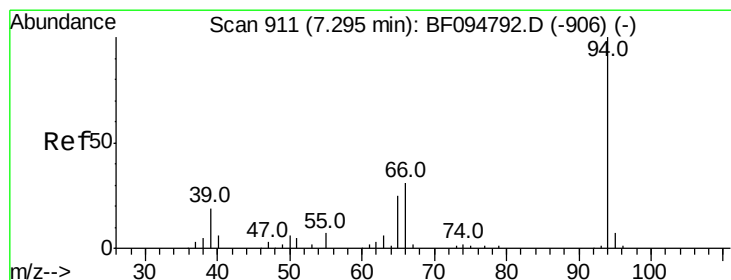
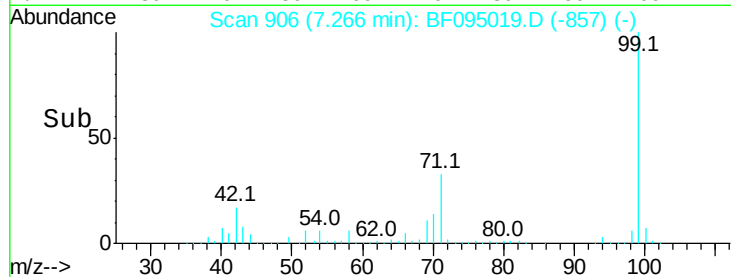
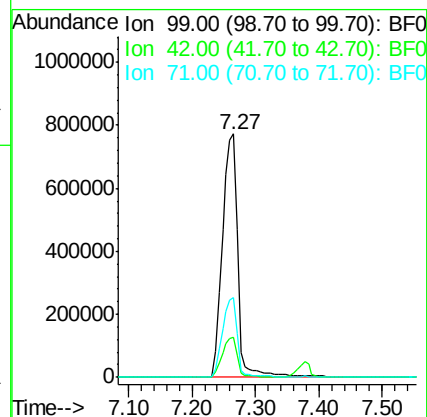
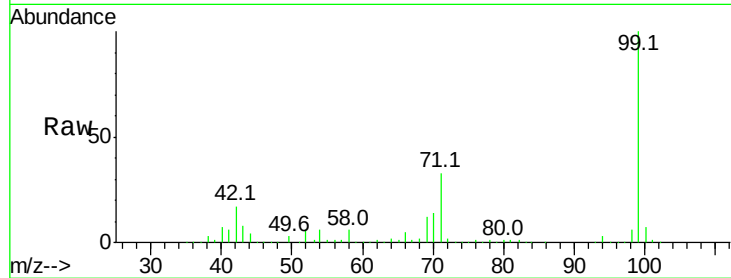
71 32.5 24.5 36.7

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#10

Phenol

Concen: 31.27 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

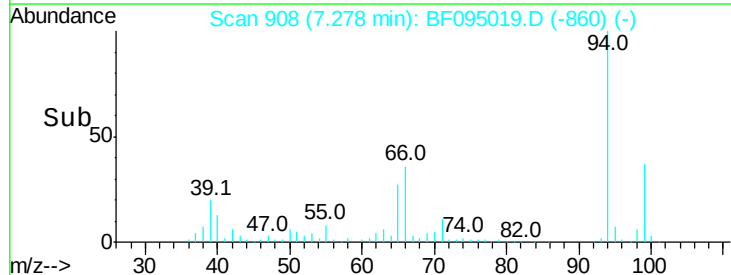
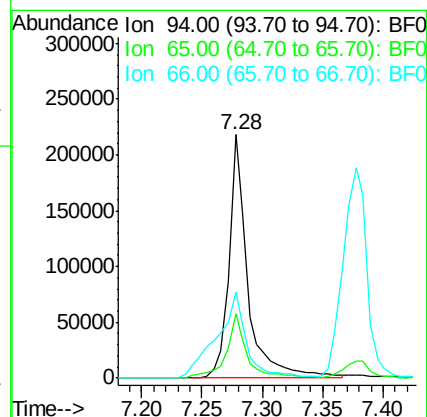
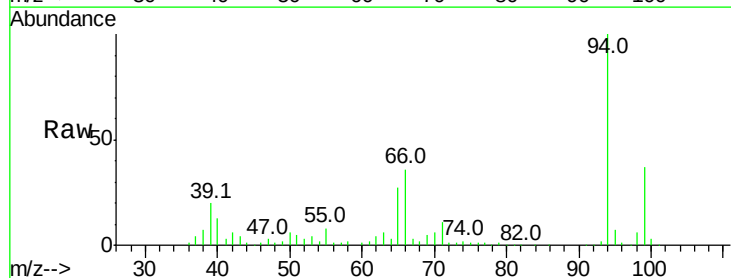
Tgt Ion: 94 Resp: 235195

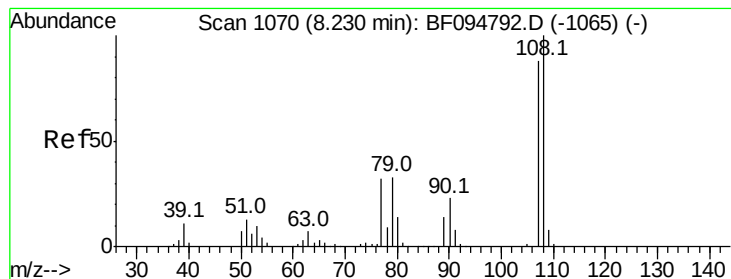
Ion Ratio Lower Upper

94 100

65 26.7 9.9 49.9

66 35.5 23.1 63.1





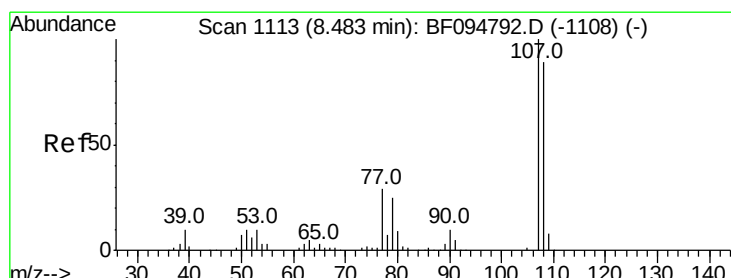
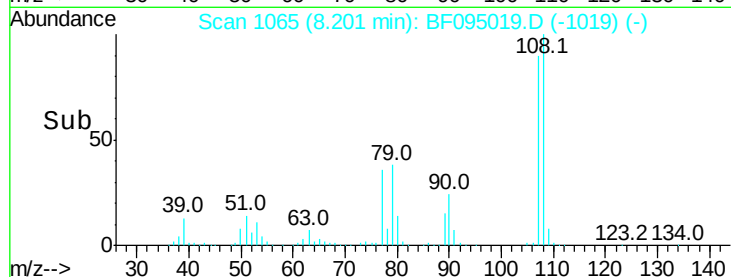
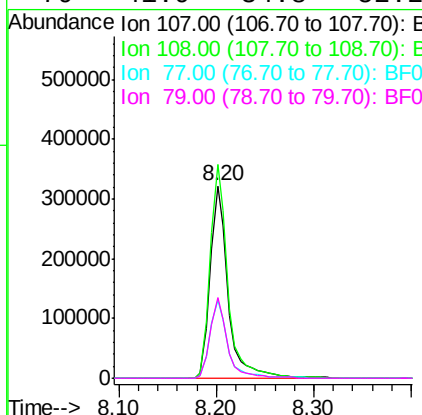
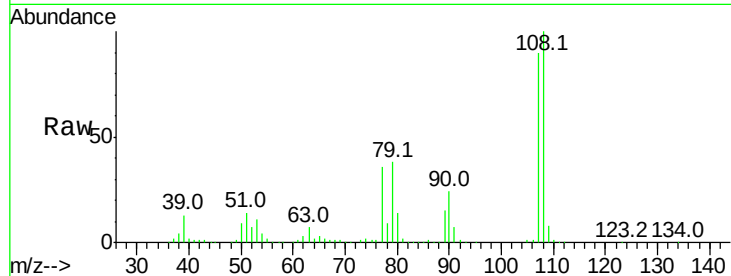
#17
2-Methylphenol
Concen: 74.15 ng
RT: 8.20 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampled :
E2-U8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.9	93.4	140.0	
77	40.4	35.8	53.6	
79	41.9	34.8	52.2	

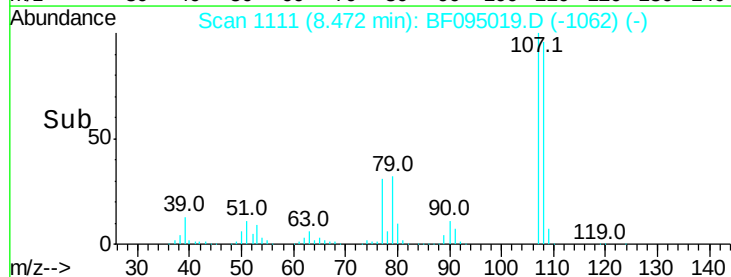
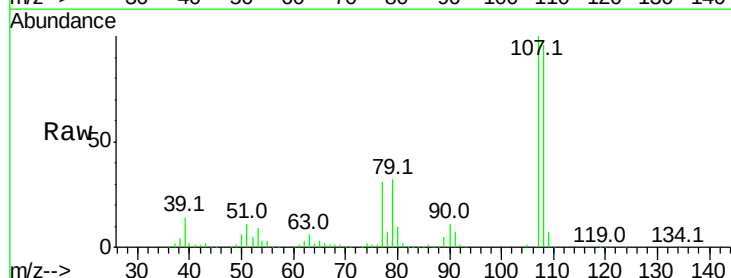
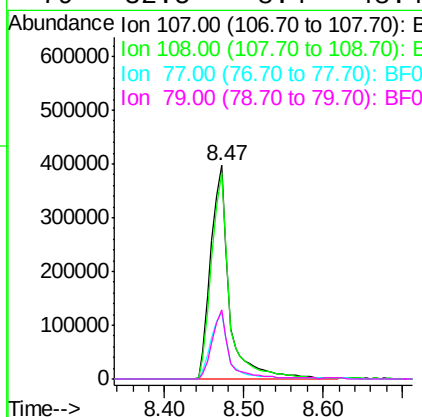
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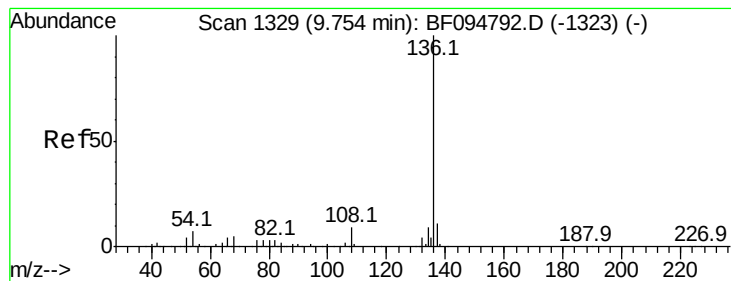
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#20
3+4-Methylphenols
Concen: 87.26 ng
RT: 8.47 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	96.4	71.0	111.0	
77	31.5	90.5	130.5	
79	32.5	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

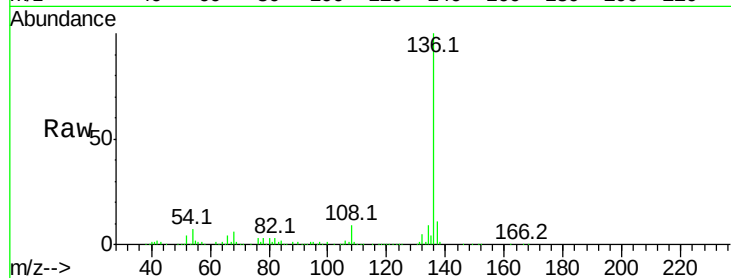
ClientSampleId :

E2-U8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	7.5	4.9	7.3	
68	5.7	4.1	6.1	

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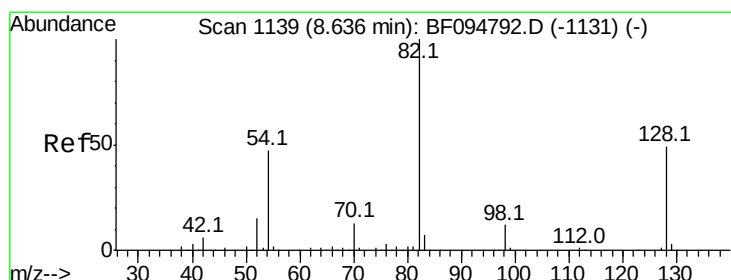
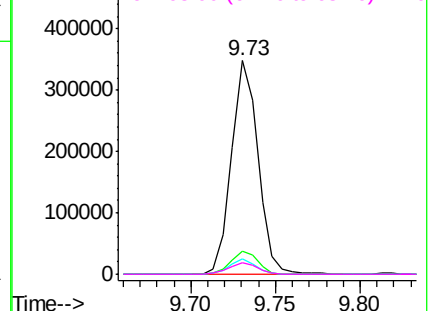
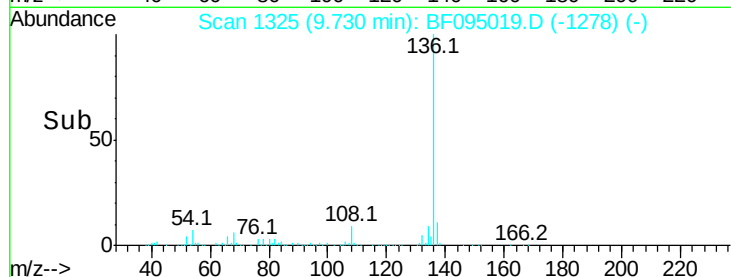


Abundance Ion 136.00 (135.70 to 136.70): E

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: 129.11 ng

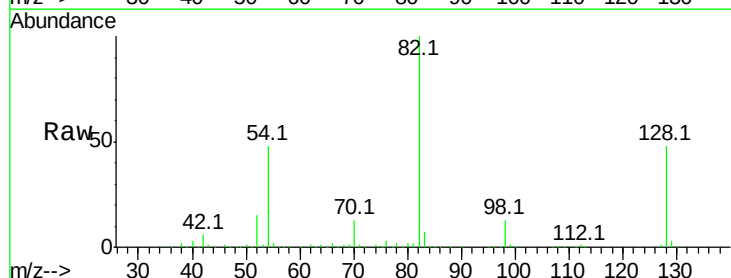
RT: 8.62 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

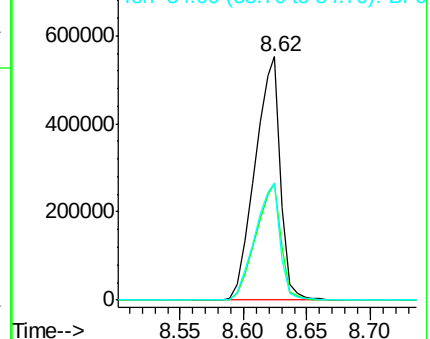
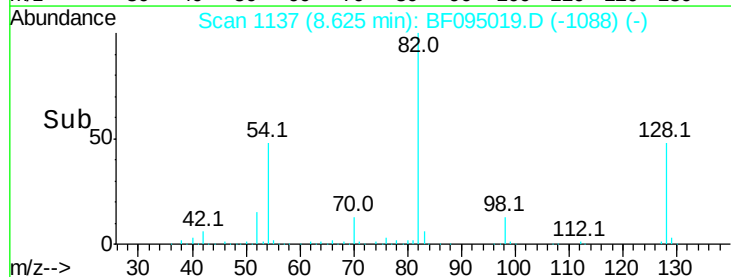
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.0	34.0	51.0	
54	48.1	42.2	63.2	

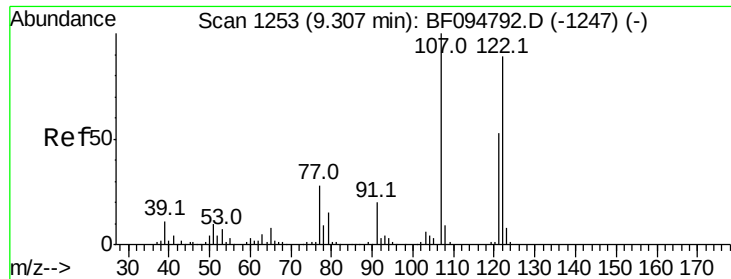


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





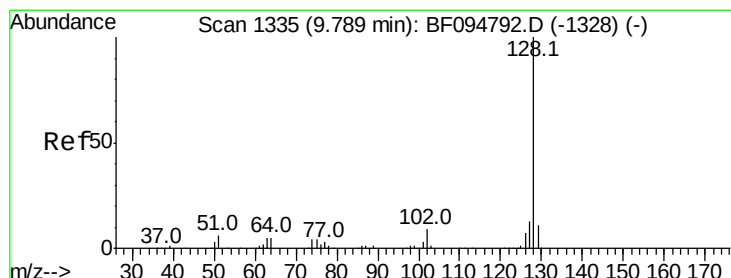
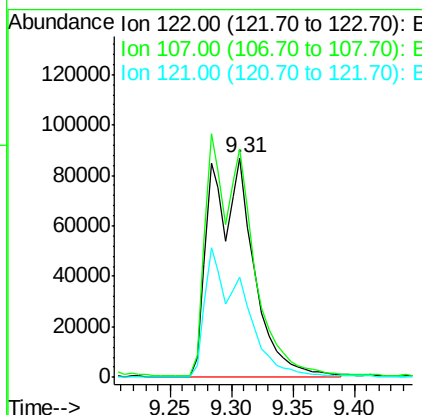
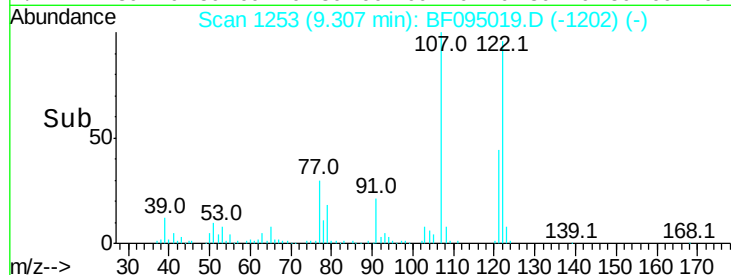
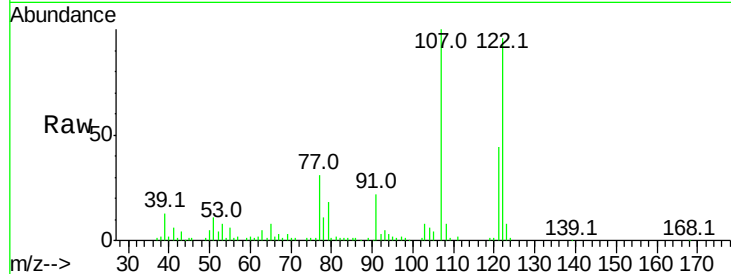
#27
2,4-Dimethylphenol
Concen: 39.08 ng/ml
RT: 9.31 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :
E2-U8-BASE

Tot Ion:	122	Resp:	214354
Ion Ratio	Lower	Upper	
122	100		
107	103.7	89.2	133.8
121	45.6	45.2	67.8

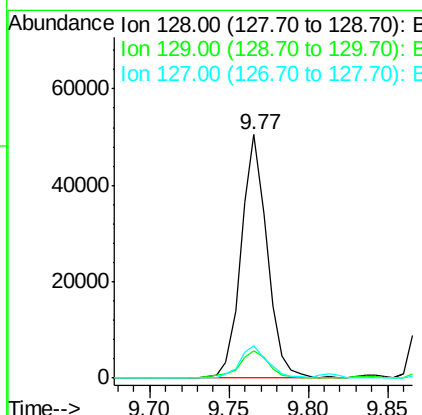
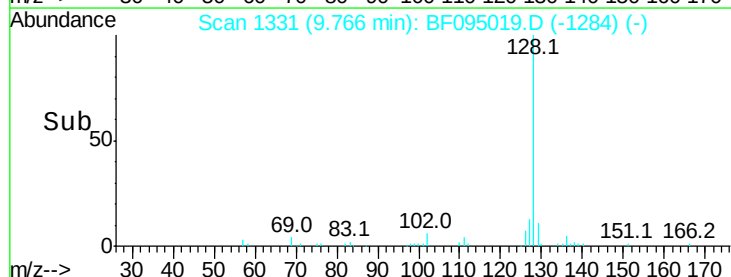
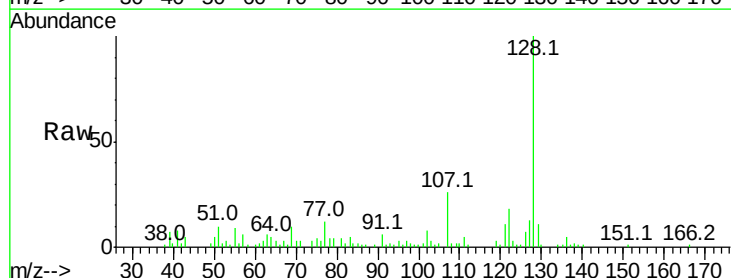
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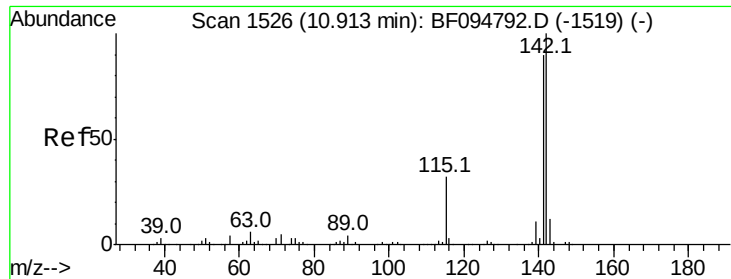
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#31
Naphthalene
Concen: 3.01 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion:	128	Resp:	57288
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.6
127	13.3	10.8	16.2





#37

2-Methylnaphthalene

Concen: 4.84 ng

RT: 10.90 min Scan# 1523

Delta R.T. -0.02 min

Lab File: BF095019.D

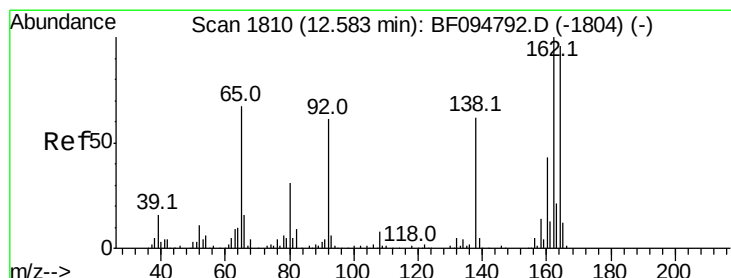
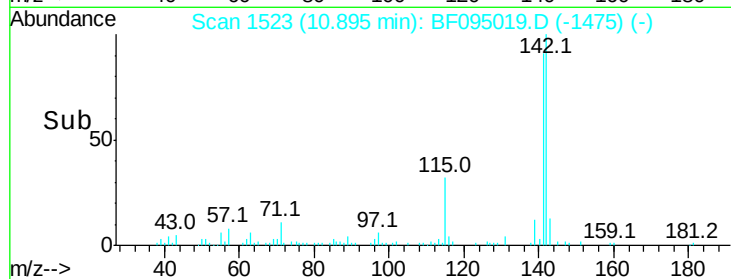
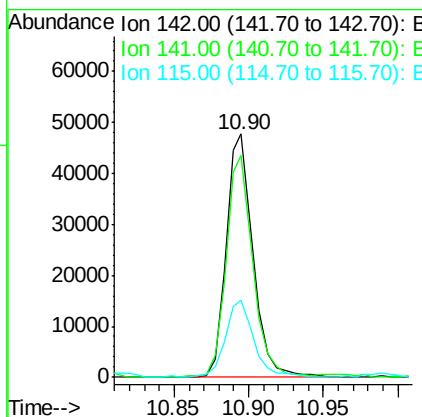
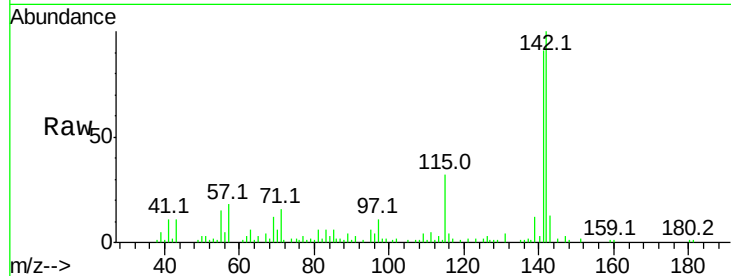
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :
E2-U8-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.3	106.9
115	31.9	27.1	40.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

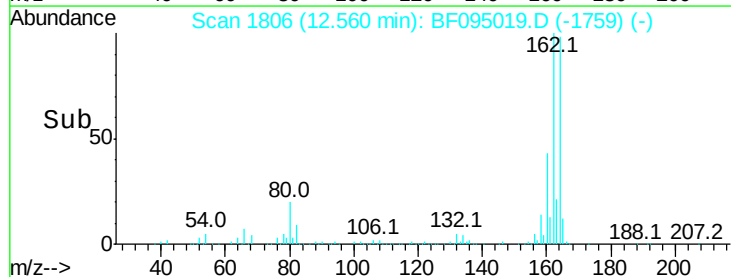
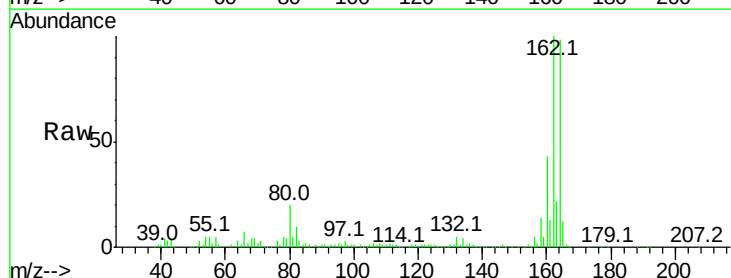
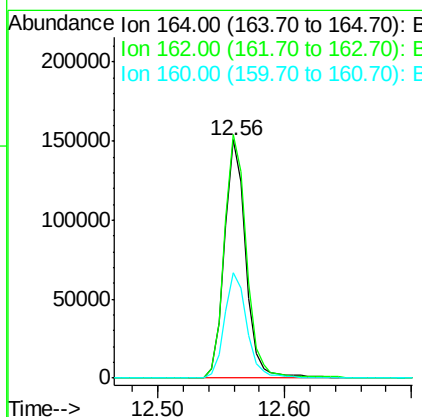
RT: 12.56 min Scan# 1806

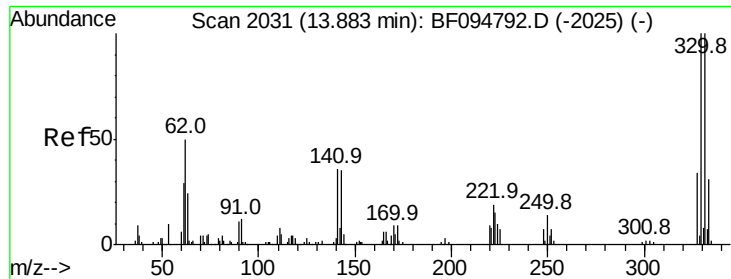
Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	44.1	36.2	54.2





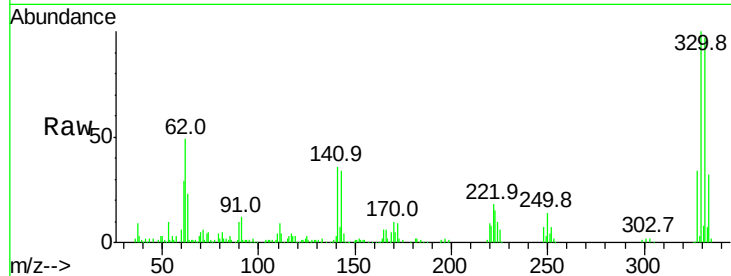
#41
 2,4,6-Tribromophenol
 Concen: 156.57 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-U8-BASE

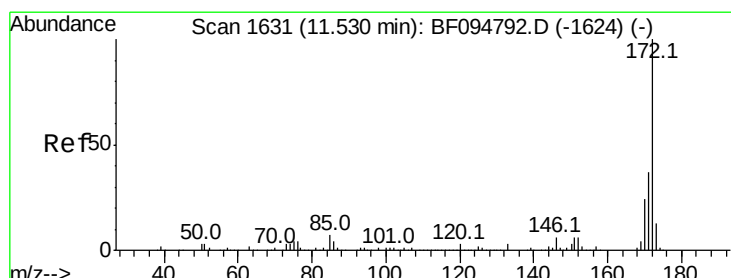
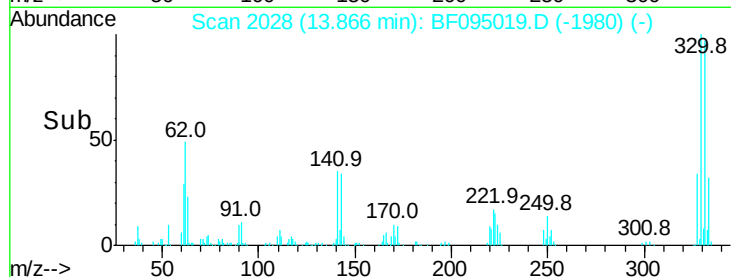
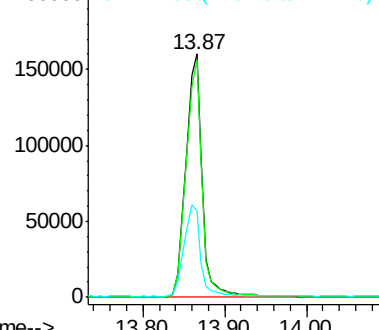
Tot Ion	Ratio	Resp	Lower	Upper
330	100	226411		
332	95.7	76.6	115.0	
141	38.5	31.4	47.2	

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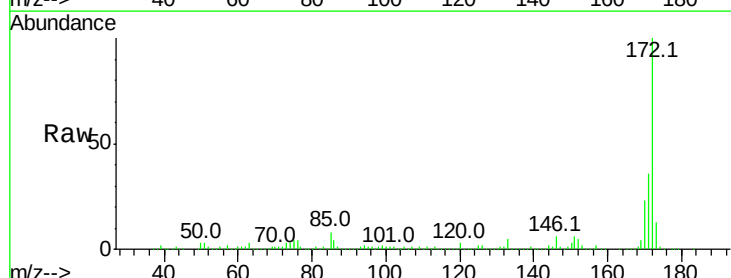


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

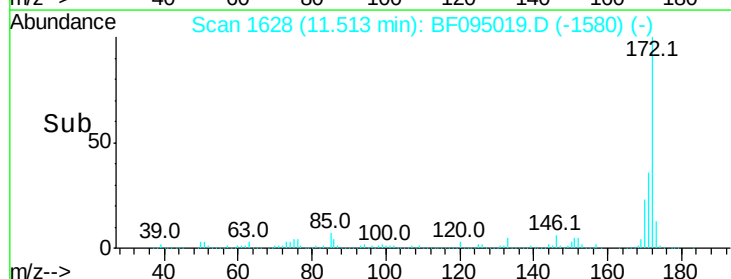
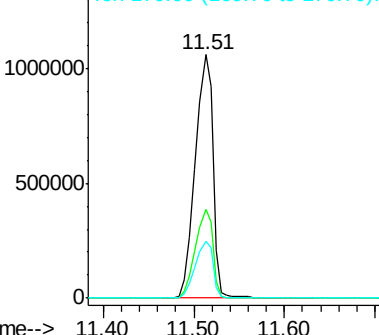


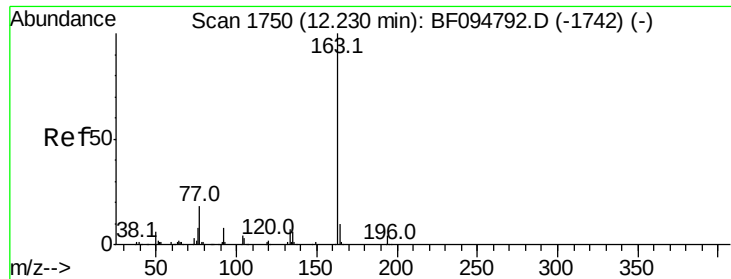
#44
 2-Fluorobiphenyl
 Concen: 116.50 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1429214		
171	36.4	29.6	44.4	
170	23.5	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





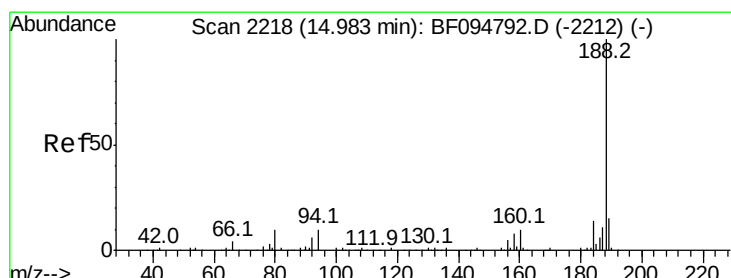
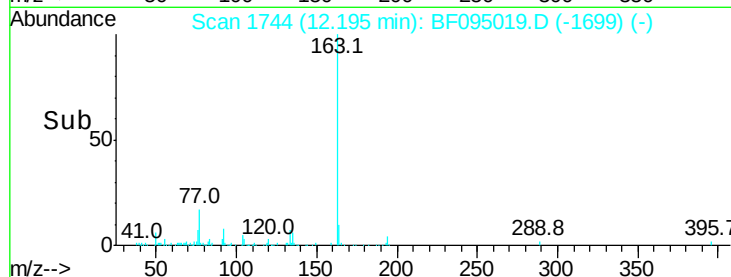
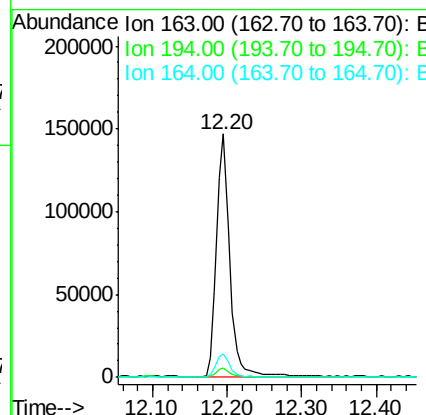
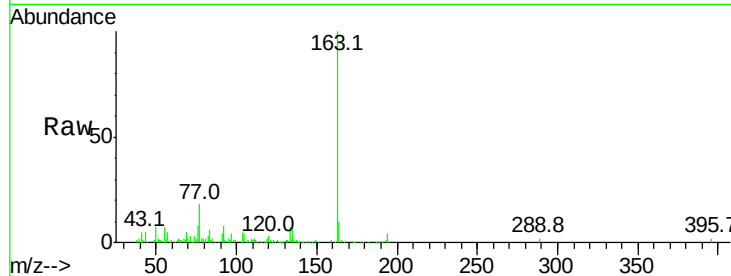
#49
Dimethylphthalate
Concen: 12.44 ng
RT: 12.20 min Scan# 1744
Delta R.T. -0.04 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :
E2-U8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	180347		
194	3.7	2.6	4.0	
164	9.8	8.4	12.6	

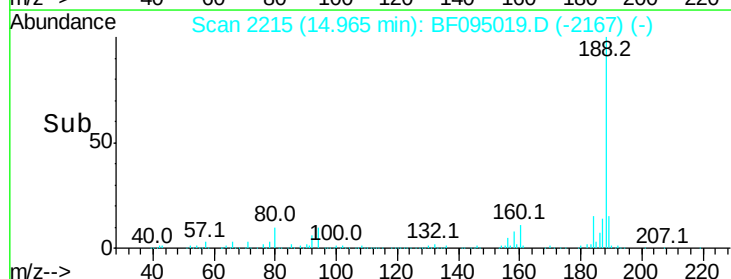
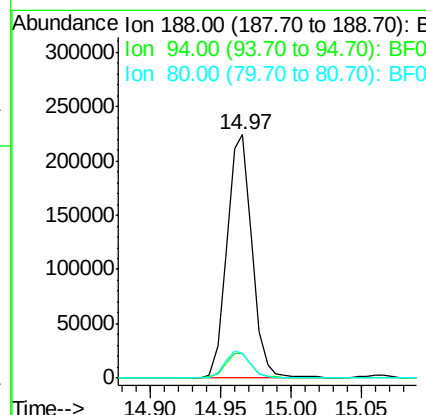
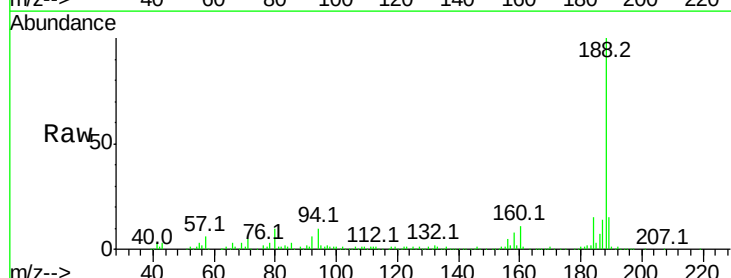
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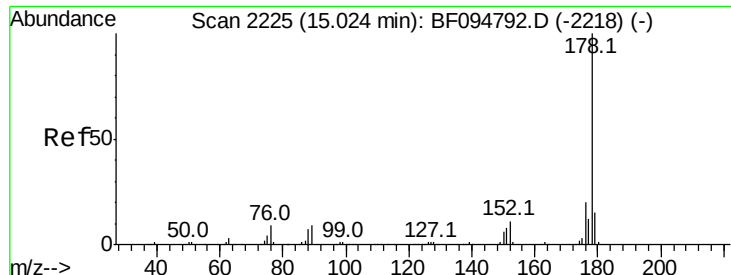
mohammad
5/9/2017 5:03:37 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	275782		
94	10.4	9.4	14.2	
80	10.3	10.2	15.2	





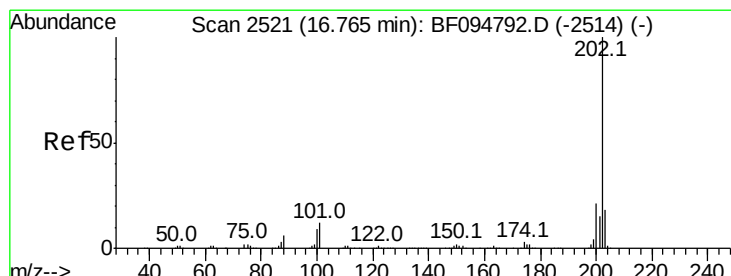
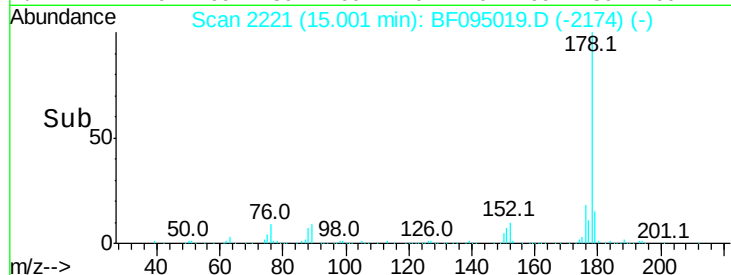
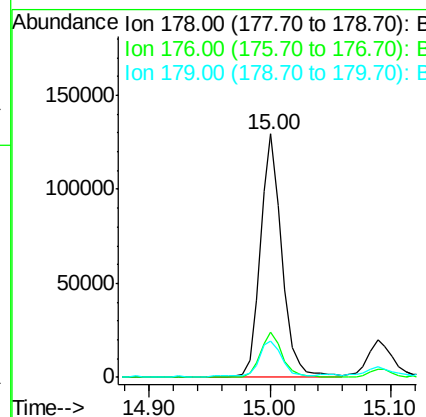
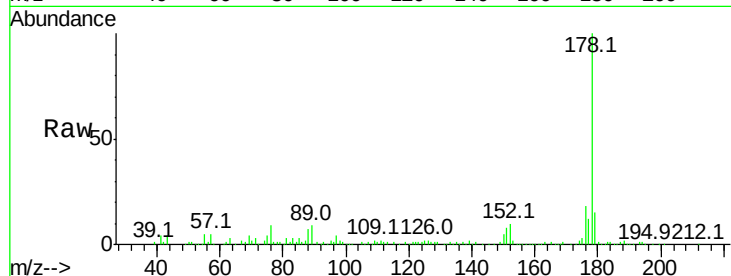
#70
Phenanthrene
Concen: 10.11 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :
E2-U8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	14.9	12.6	19.0

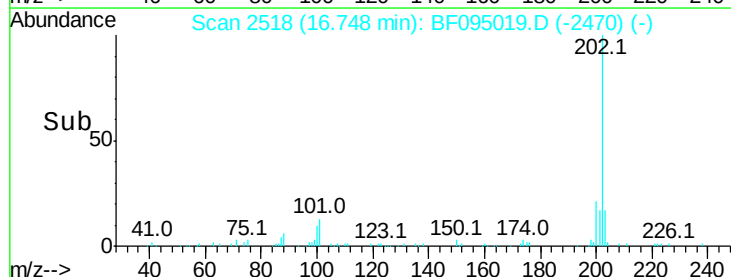
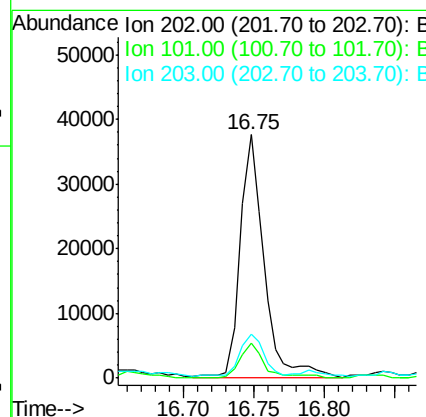
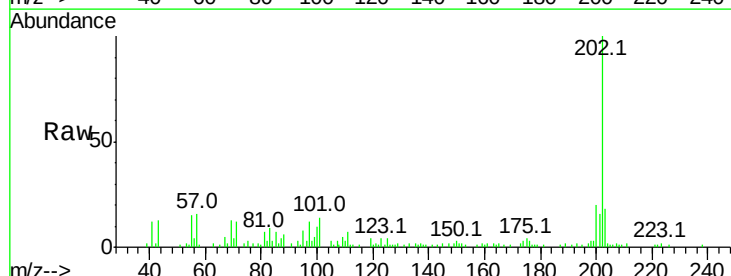
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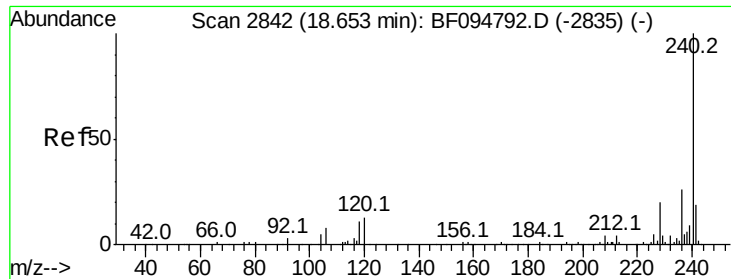
mohammad
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#74
Fluoranthene
Concen: 2.77 ng
RT: 16.75 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

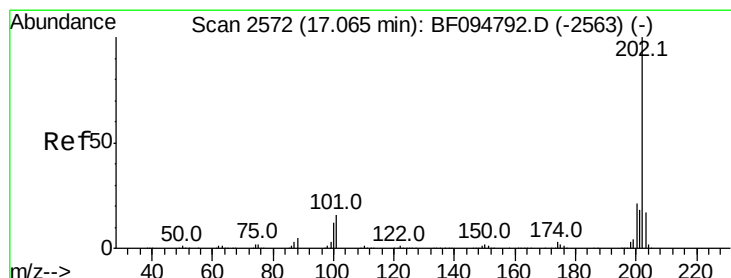
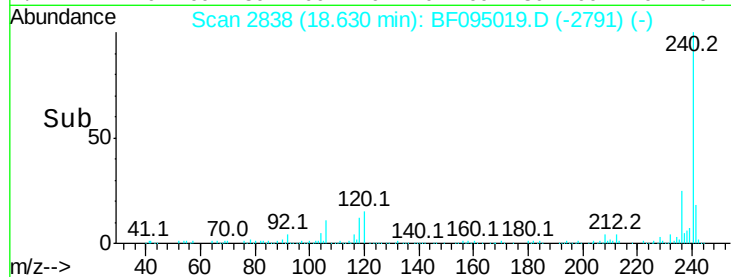
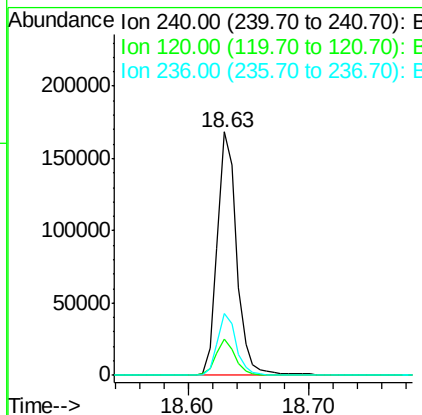
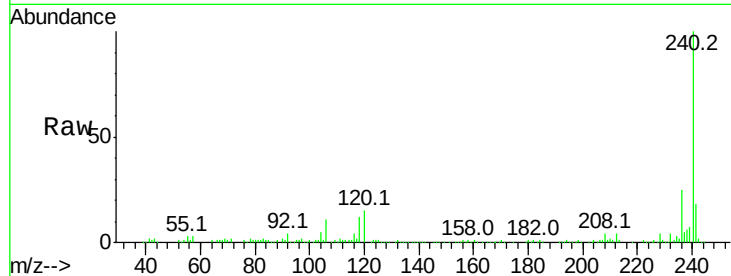
ClientSampleId :

E2-U8-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	25.2	20.5	30.7

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#77

Pyrene

Concen: 4.64 ng

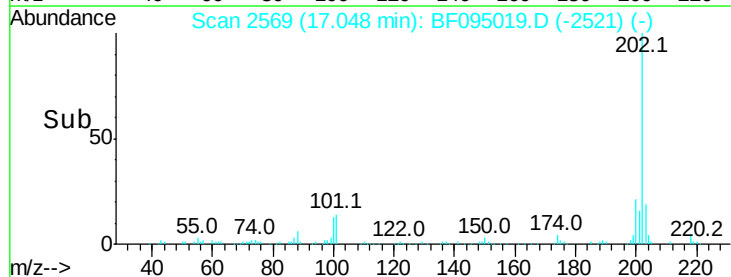
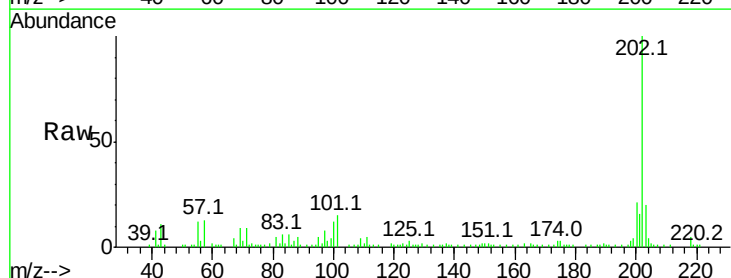
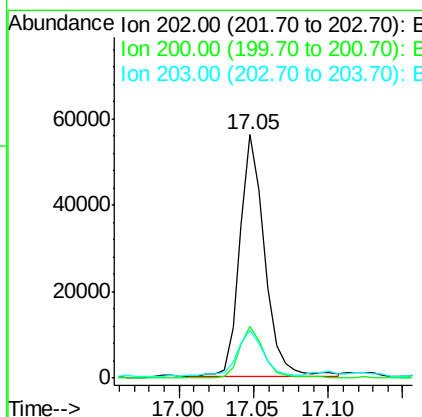
RT: 17.05 min Scan# 2569

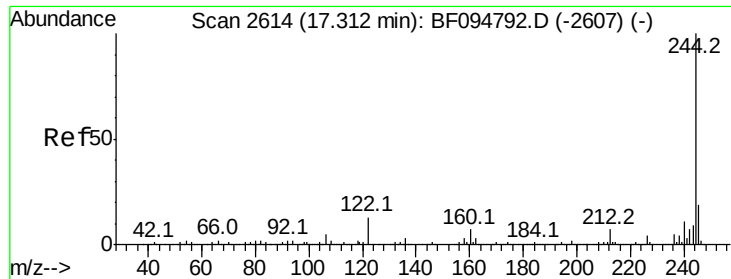
Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	19.6	14.4	21.6





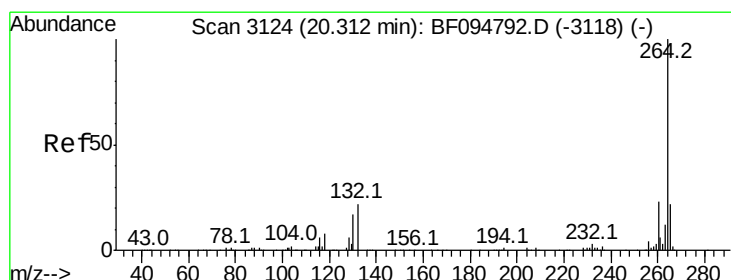
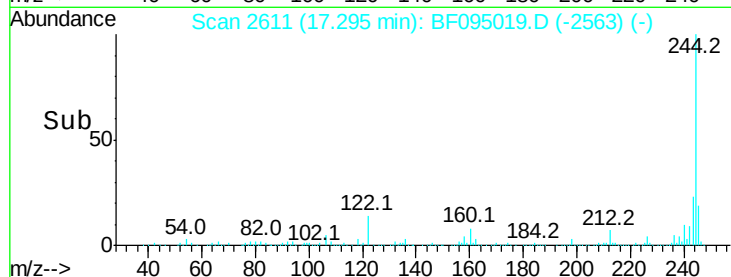
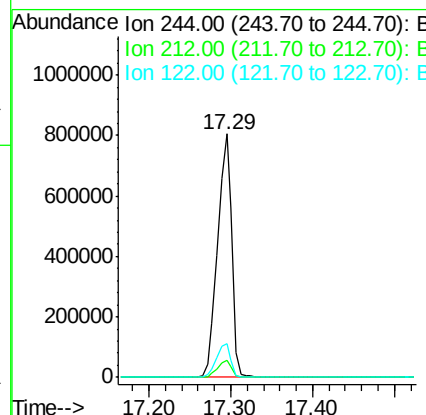
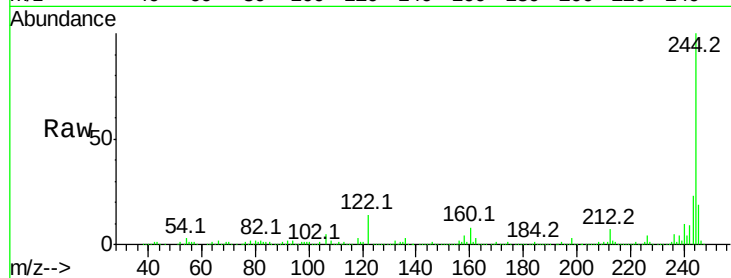
#78
 Terphenyl-d14
 Concen: 116.07 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-U8-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.8	10.3	15.5

Manual Integrations
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 5/9/2017 5:03:37 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	20.9	17.2	25.8

