

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083539.D
 Acq On : 7 Dec 2015 2:47
 Operator : UM/IZ
 Sample : G4614-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S25-15.5

Manual Integrations
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 12/7/2015 6:33:25 PM

Quant Time: Dec 07 06:37:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	193537	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	738758	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	354421	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	610802	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	418373	20.00	ng	-0.03
86) Perylene-d12	18.65	264	389673	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1740448	136.43	ng	-0.01
7) Phenol-d6	5.30	99	2267261	128.99	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1584447	100.25	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	428729	131.13	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2208251	84.51	ng	-0.05
78) Terphenyl-d14	15.45	244	1637080	87.07	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	10.06	163	615194	22.05	ng	98
70) Phenanthrene	12.85	178	529096	14.88	ng	100
71) Anthracene	12.93	178	126031	3.48	ng	96
74) Fluoranthene	14.77	202	757237	21.49	ng	98
80) Benzo(a)anthracene	17.00	228	394107	16.10	ng	98
82) Chrysene	17.05	228	296911	12.18	ng	98
85) Indeno(1,2,3-cd)pyrene	19.88	276	146626	7.01	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	354643m	16.21	ng	
88) Benzo(k)fluoranthene	18.29	252	143854m	6.42	ng	
89) Benzo(a)pyrene	18.59	252	269222	12.65	ng	97
90) Dibenzo(a,h)anthracene	19.88	278	42640m	2.08	ng	
91) Benzo(a,h,i)perylene	20.24	276	135359	6.56	ng	99

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

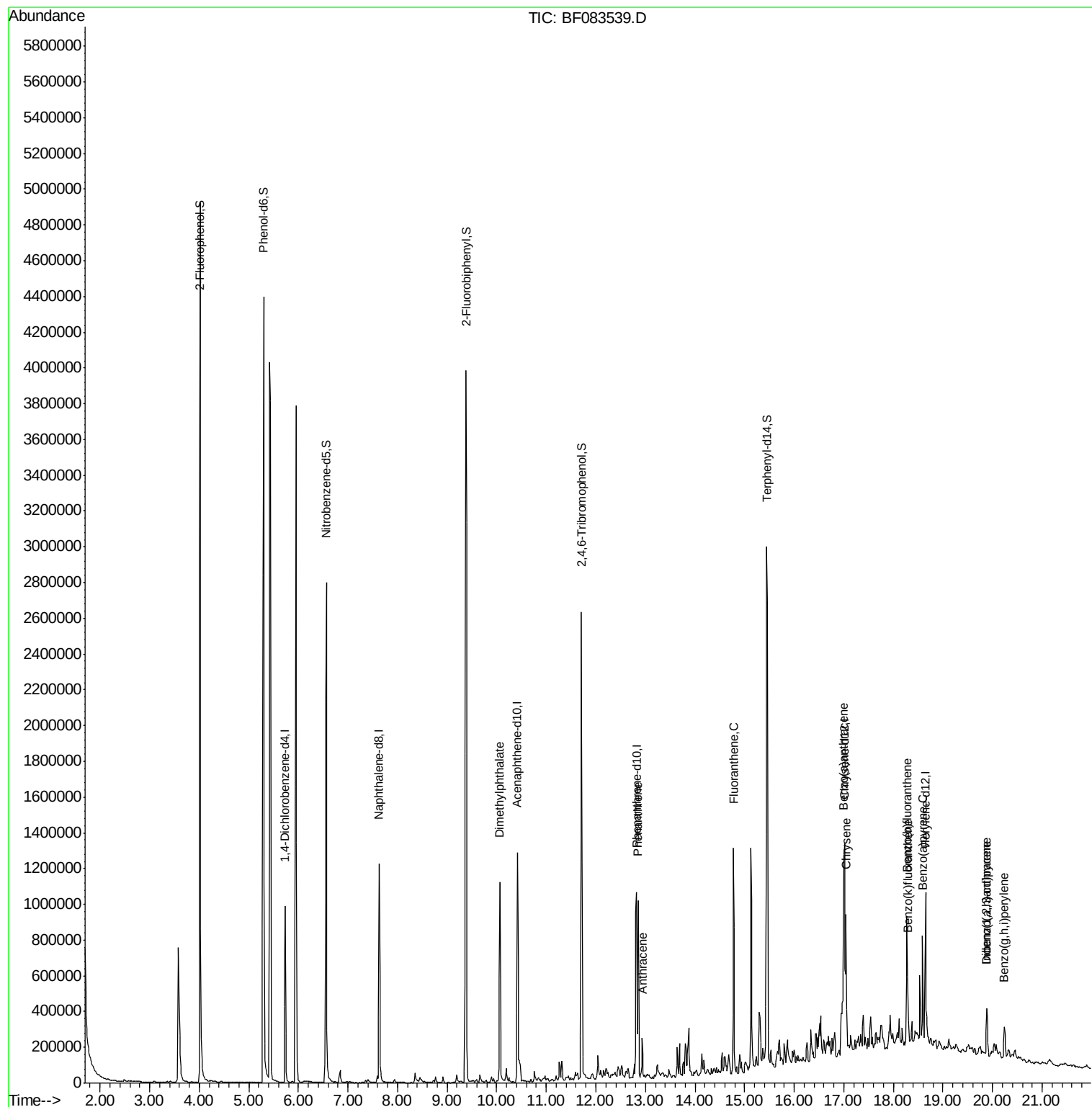
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083539.D
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Sample : G4614-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

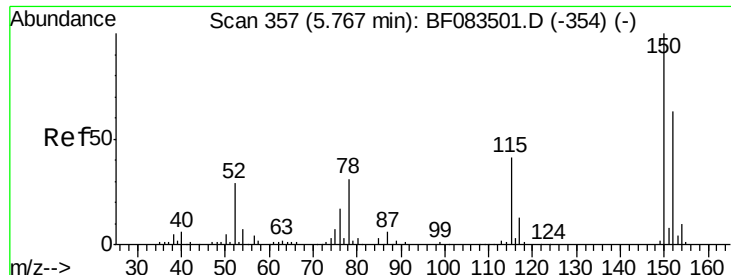
Instrument :
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S25-15.5

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#1

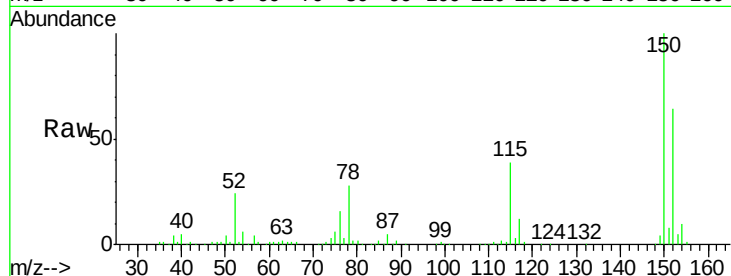
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.5	189.7
115	61.9	52.3	78.5

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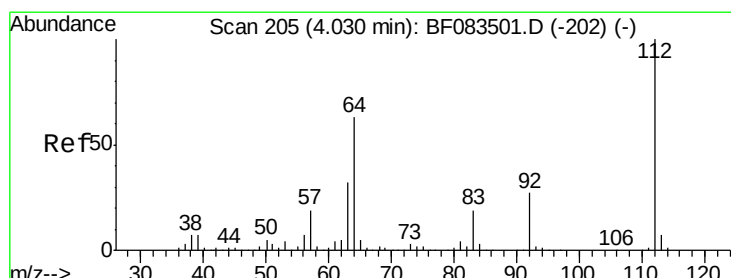
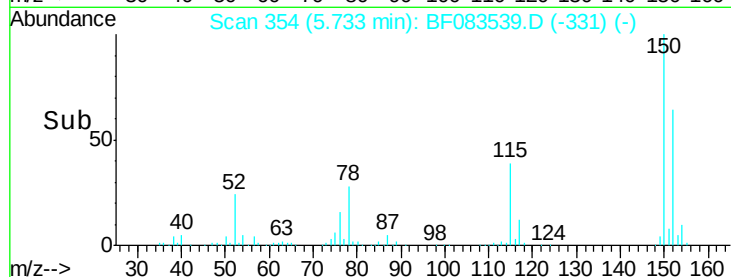
Abundance

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

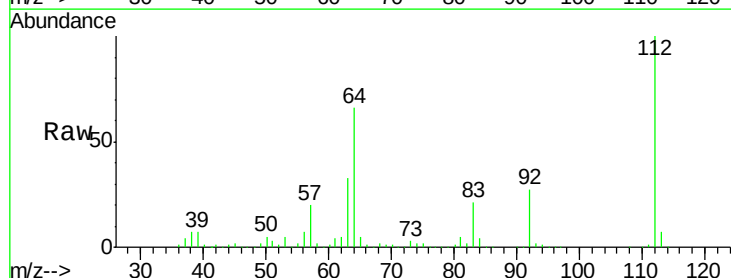
Time-->



#5

2-Fluorophenol
Concen: 136.43 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	50.5	75.7
63	33.4	25.8	38.6



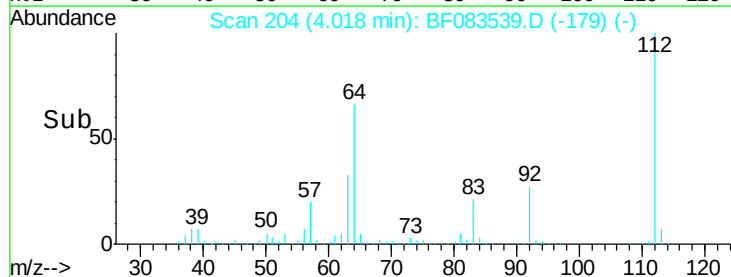
Abundance

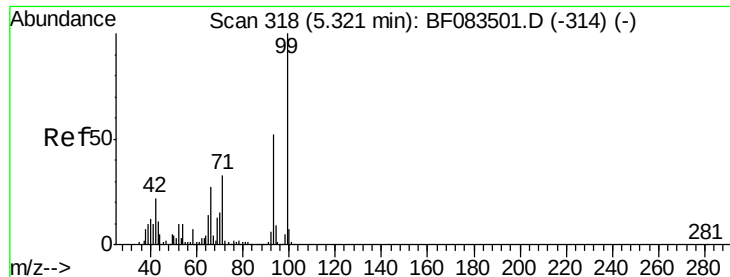
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 128.99 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_F

ClientSampleId :

S25-15.5

Tot Ion: 99 Resp: 2267261

Ion Ratio Lower Upper

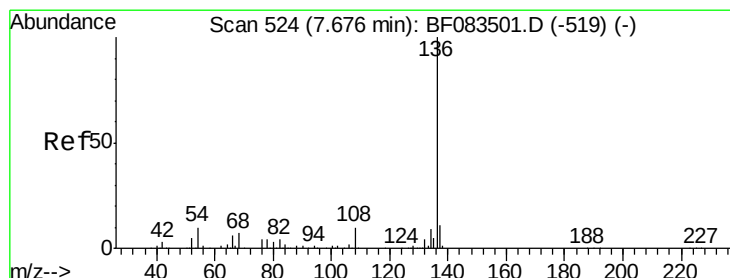
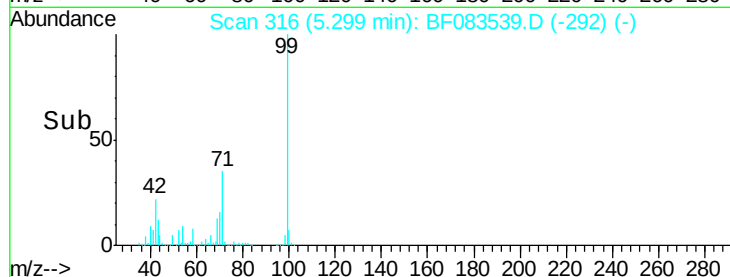
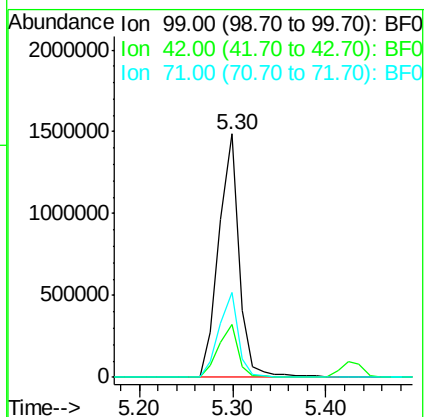
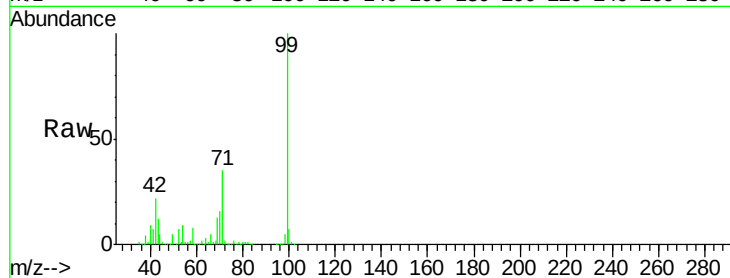
99 100

42 21.9 17.3 25.9

71 34.7 26.6 40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Tgt Ion: 136 Resp: 738758

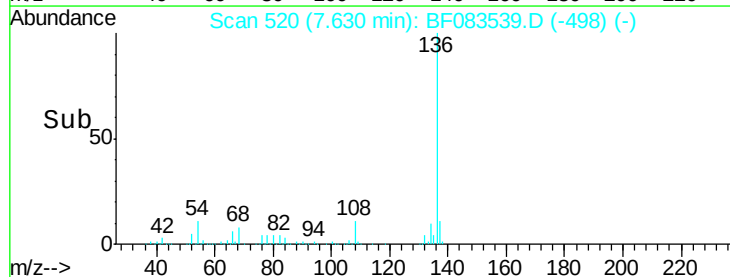
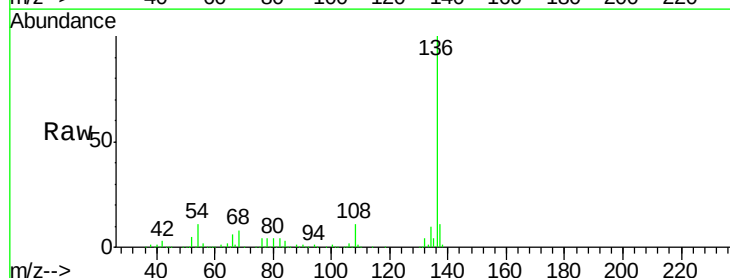
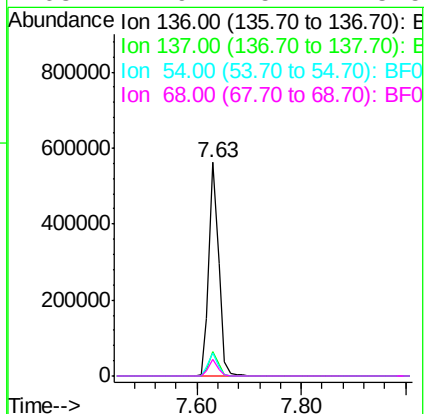
Ion Ratio Lower Upper

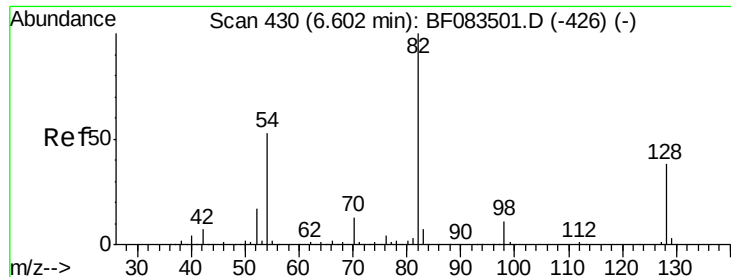
136 100

137 11.2 8.7 13.1

54 11.1 7.8 11.6

68 7.9 5.7 8.5





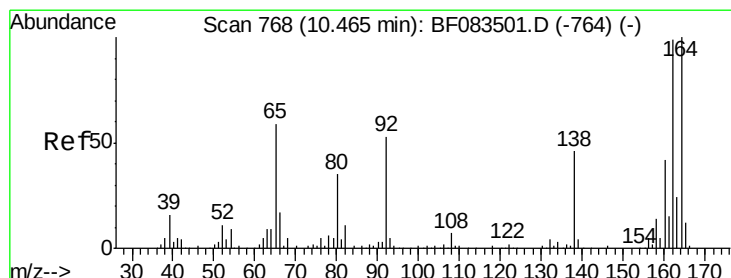
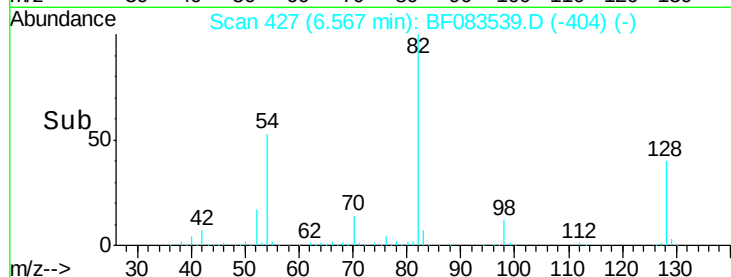
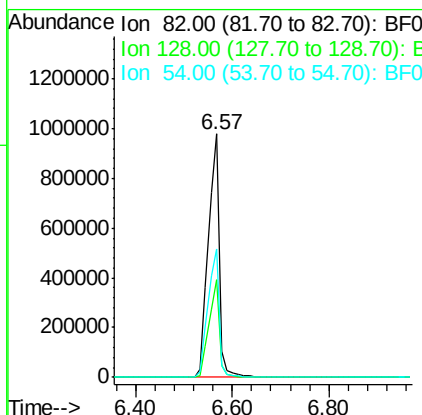
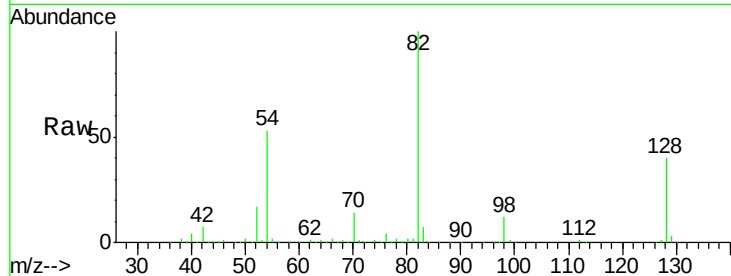
#23
Nitrobenzene-d5
Concen: 100.25 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion: 82 Resp: 1584447
Ion Ratio Lower Upper
82 100
128 40.4 30.7 46.1
54 52.9 42.5 63.7

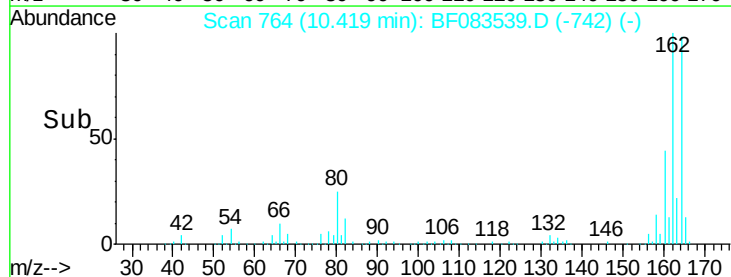
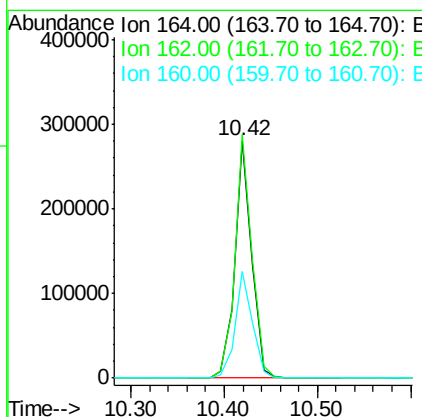
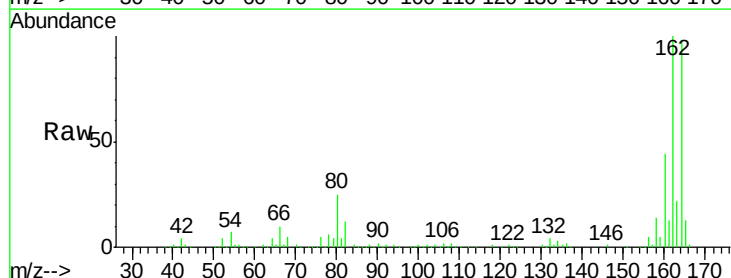
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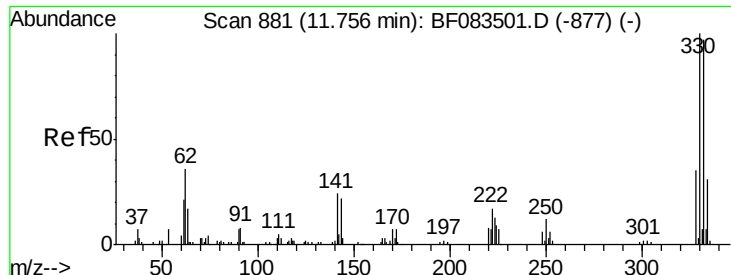
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion: 164 Resp: 354421
Ion Ratio Lower Upper
164 100
162 102.5 78.8 118.2
160 44.8 33.4 50.2





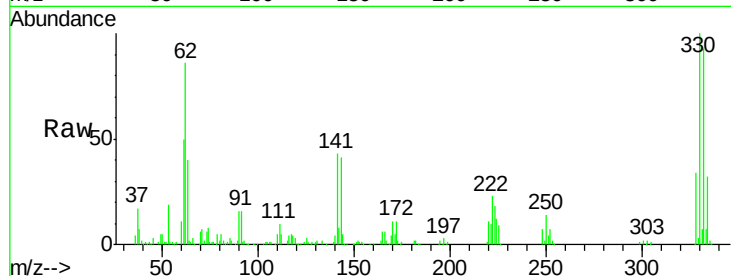
#41
 2,4,6-Tribromophenol
 Concen: 131.13 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Instrument :
 BNA_F
 ClientSampleId :
 S25-15.5

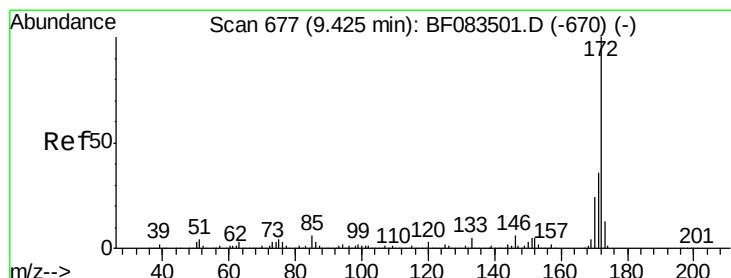
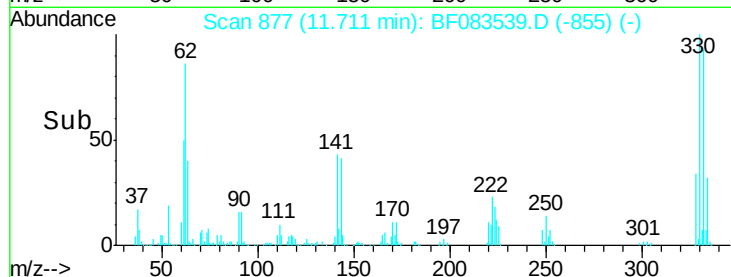
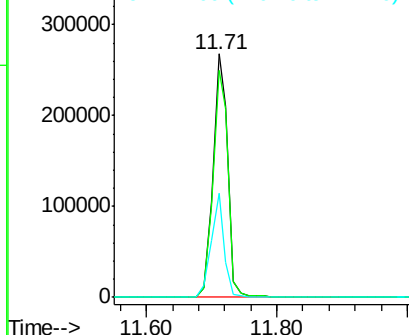
Tot Ion	Ratio	Resp	Lower	Upper
330	100	428729		
332	96.1	0.0	0.0	0.0
141	38.1	0.0	0.0	0.0

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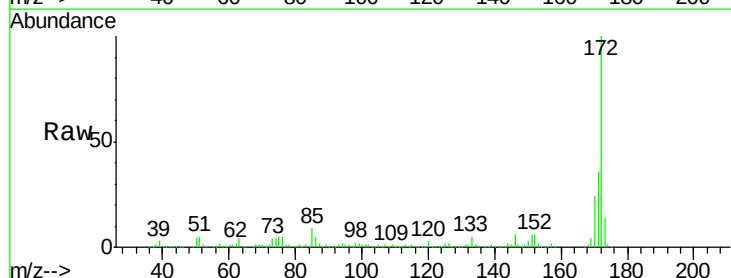


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

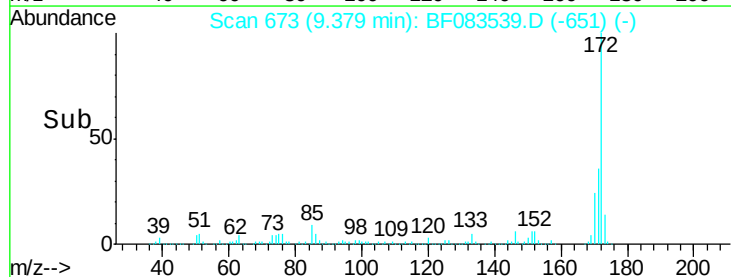
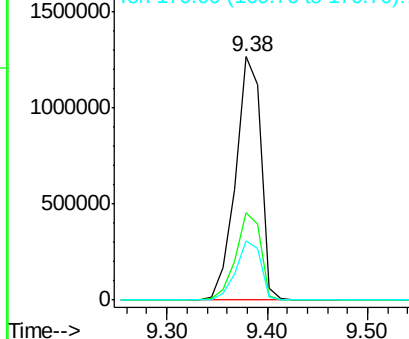


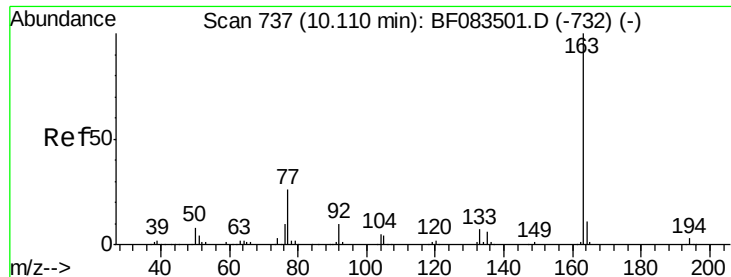
#44
 2-Fluorobiphenyl
 Concen: 84.51 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2208251		
171	35.7	28.6	42.8	
170	24.2	19.4	29.0	



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





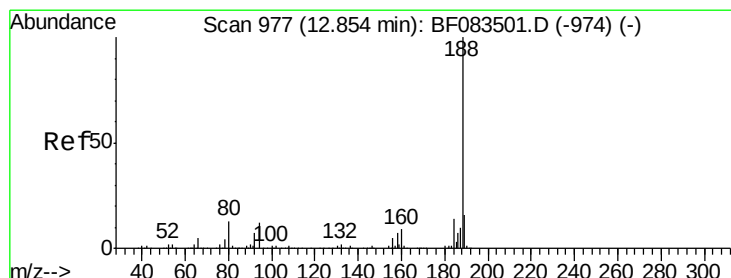
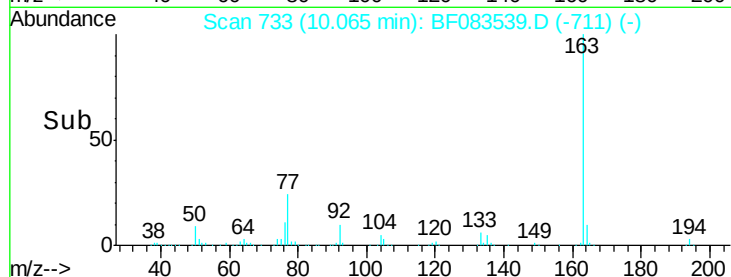
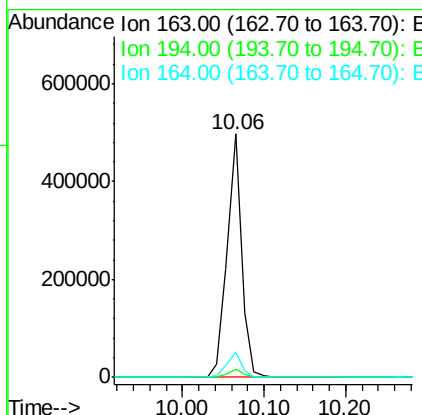
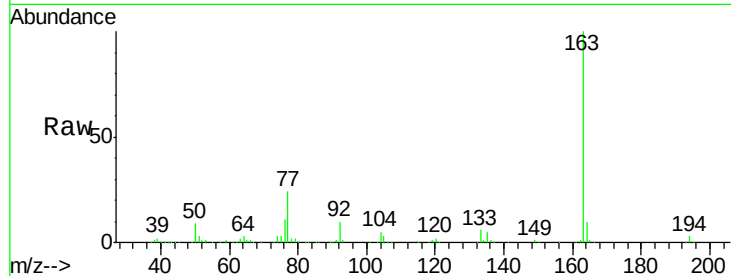
#49
Dimethylphthalate
Concen: 22.05 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	615194		
194	3.5	2.8	4.2	
164	10.0	8.6	13.0	

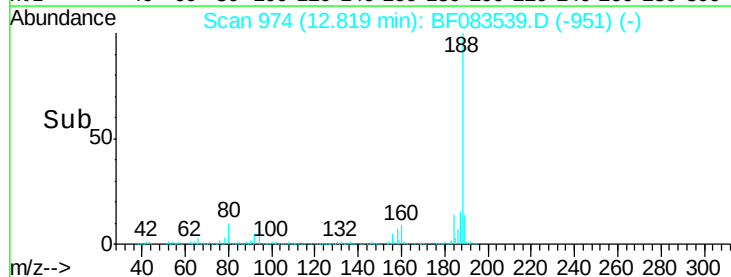
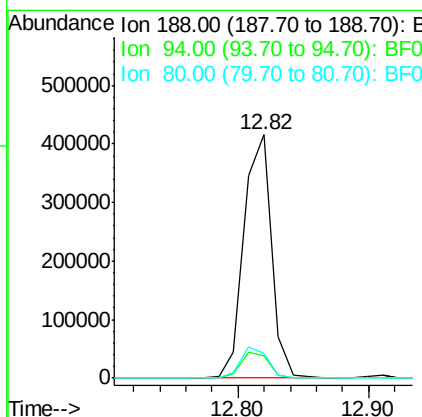
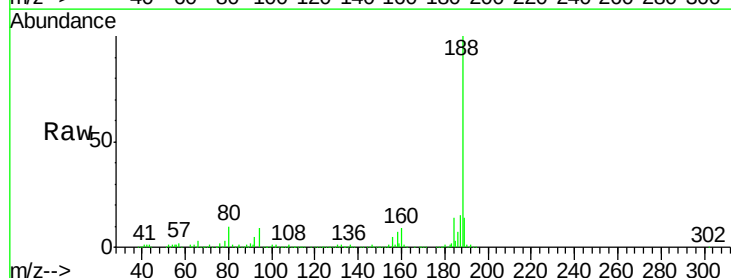
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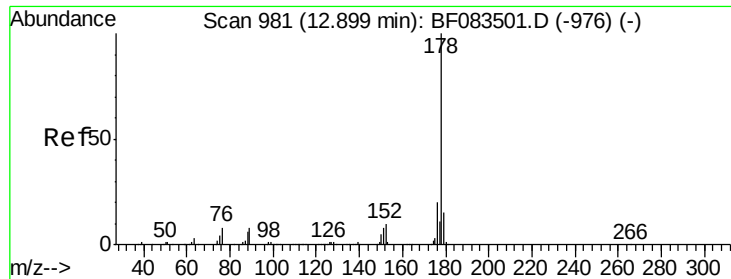
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	610802		
94	9.3	9.4	14.2#	
80	10.4	10.6	16.0#	





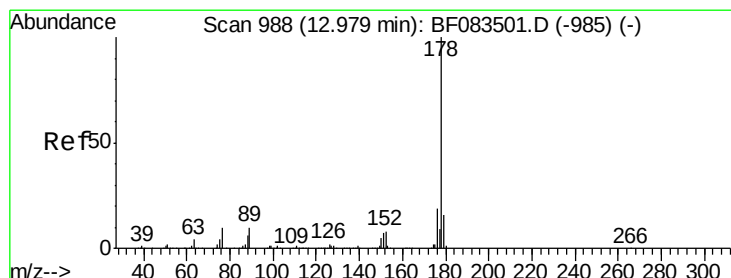
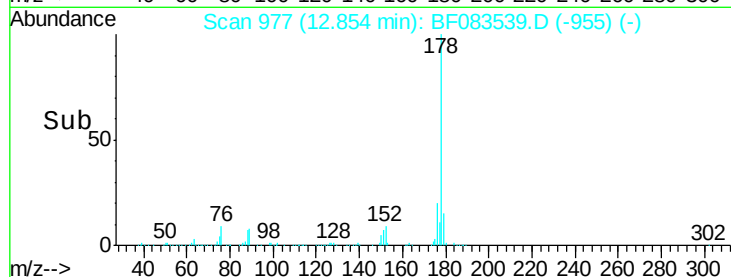
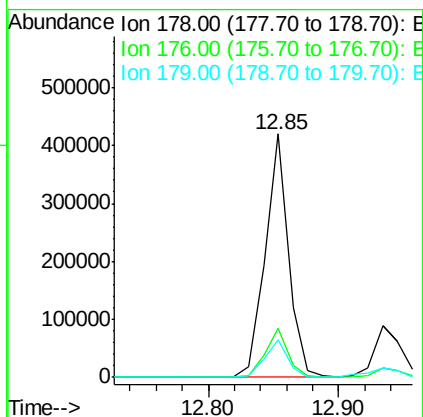
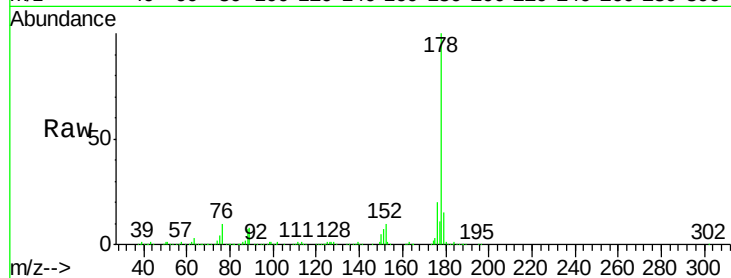
#70
Phenanthrene
Concen: 14.88 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	15.3	12.2	18.4

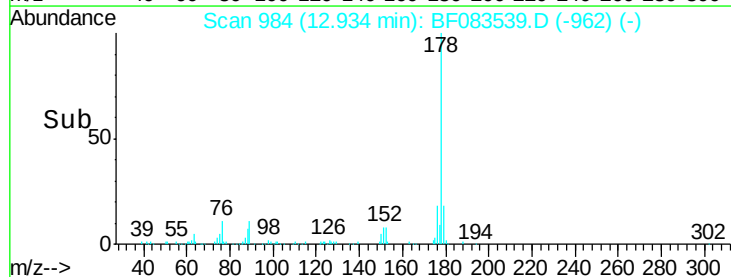
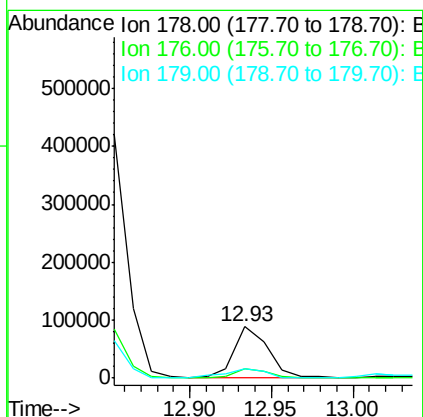
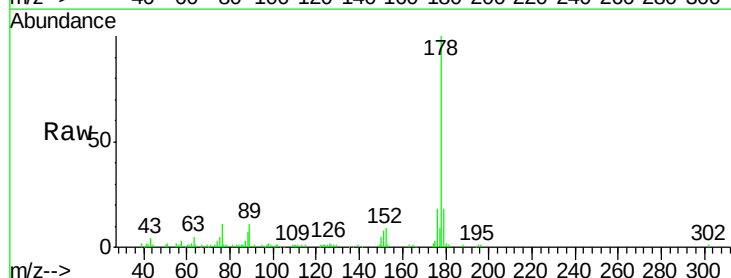
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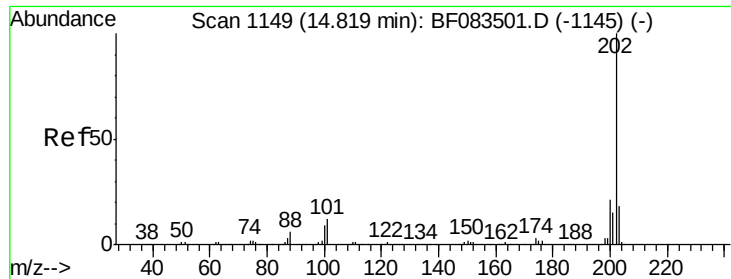
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#71
Anthracene
Concen: 3.48 ng
RT: 12.93 min Scan# 984
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.2	22.8
179	17.7	12.6	18.8





#74

Fluoranthene

Concen: 21.49 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_F

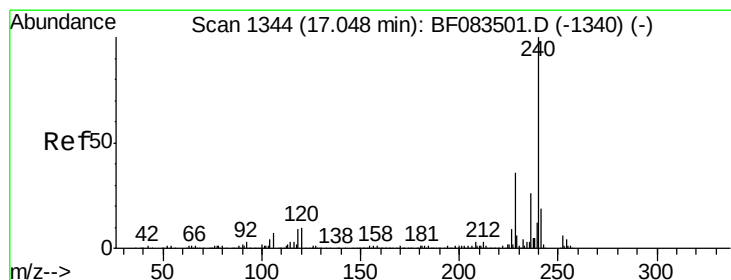
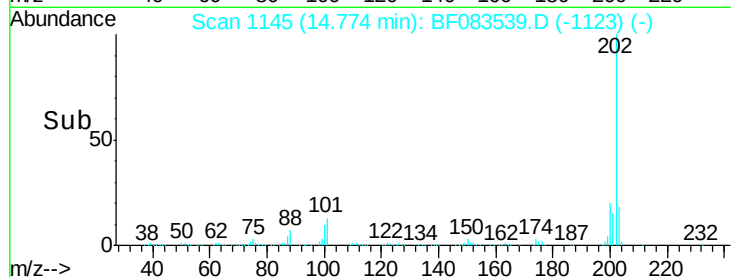
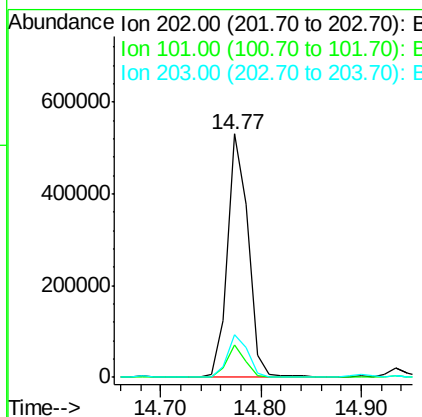
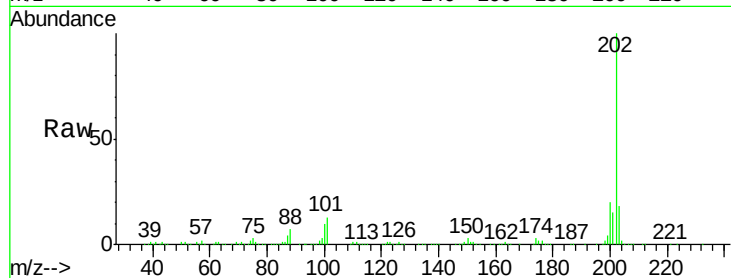
ClientSampleId :

S25-15.5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	31.5
203	17.7	0.0	37.6

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

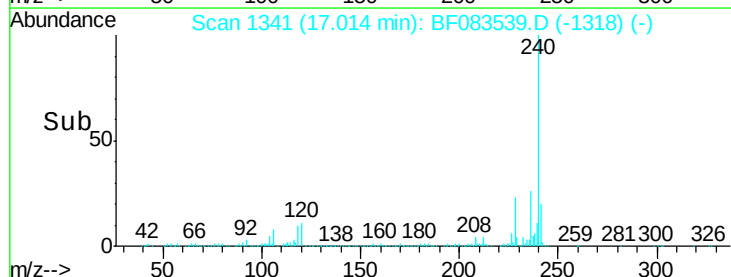
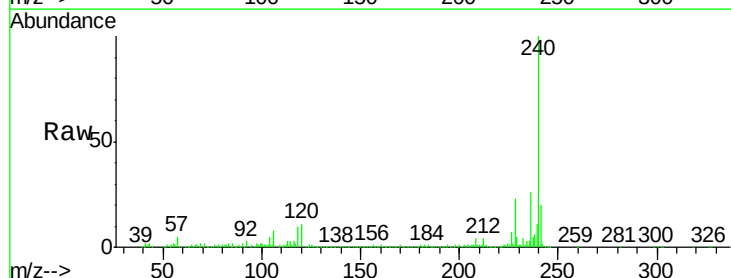
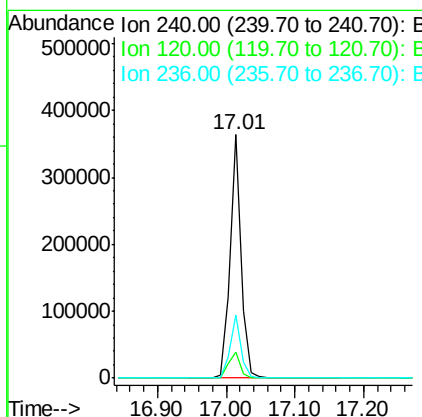
RT: 17.01 min Scan# 1341

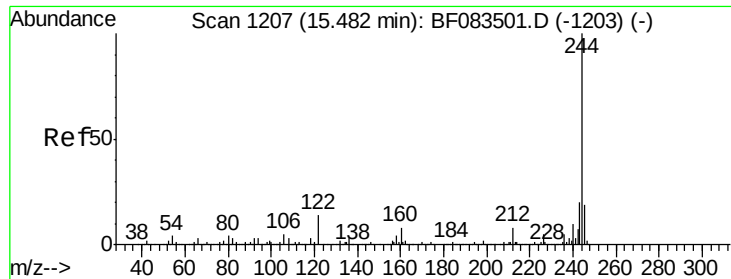
Delta R.T. -0.03 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.7	8.1	12.1
236	25.8	20.8	31.2





#78
 Terphenyl-d14
 Concen: 87.07 ng
 RT: 15.45 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

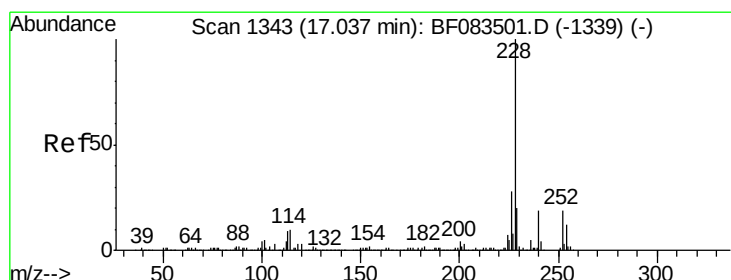
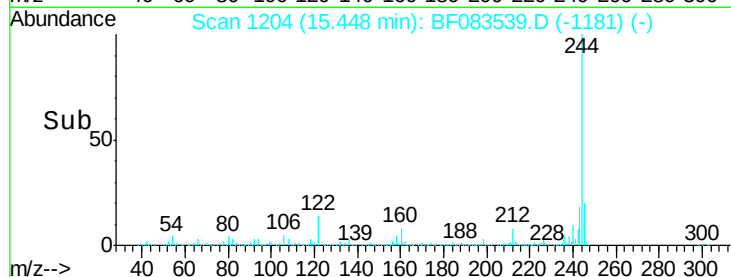
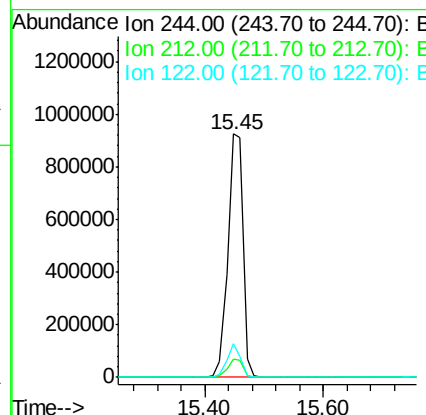
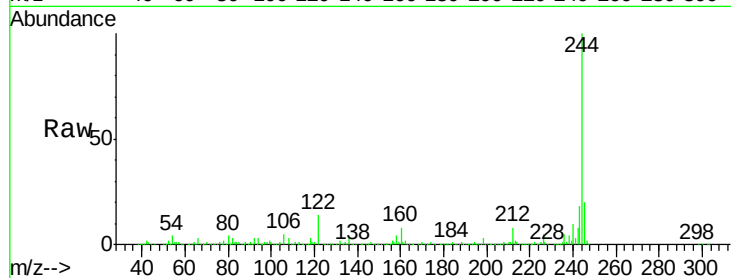
Instrument :
 BNA_F
 ClientSampleId :
 S25-15.5

Tot Ion:244 Resp: 1637080

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	14.0	11.0	16.6

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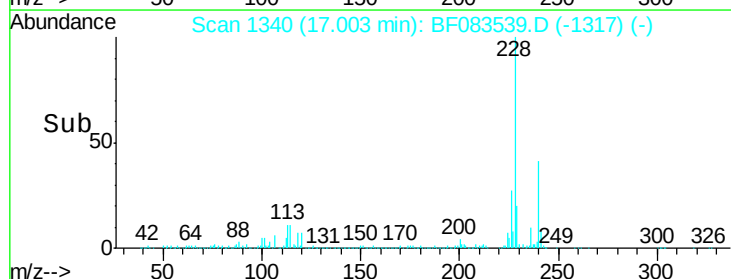
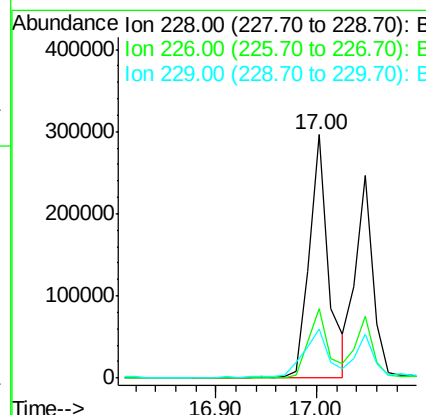
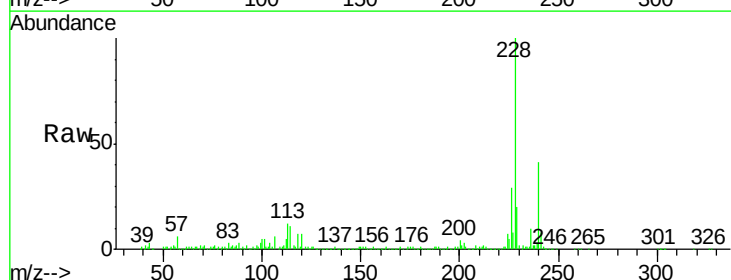
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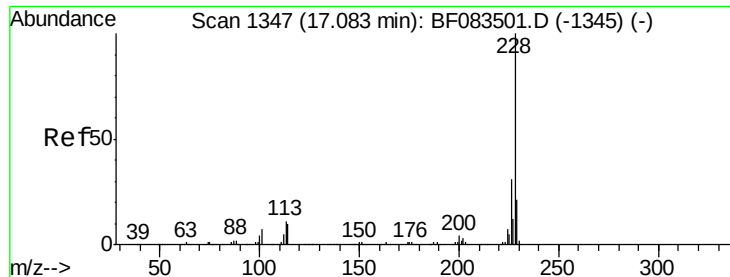


#80
 Benzo(a)anthracene
 Concen: 16.10 ng
 RT: 17.00 min Scan# 1340
 Delta R.T. -0.03 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Tgt Ion:228 Resp: 394107

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.3	33.5
229	20.3	15.7	23.5





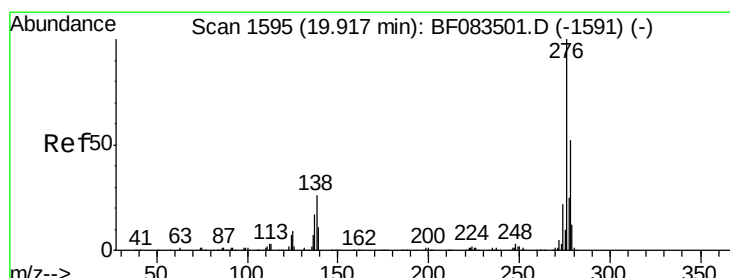
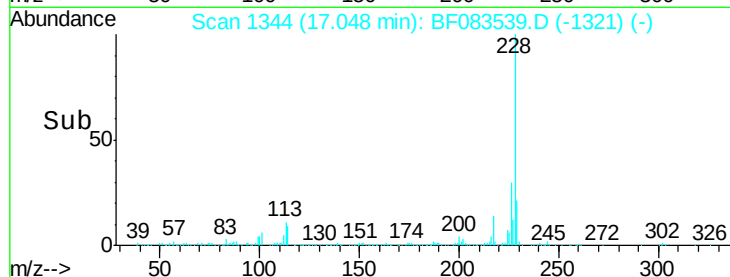
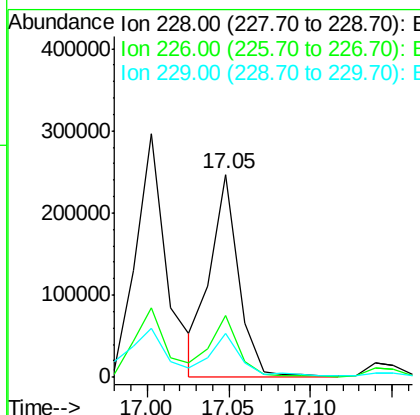
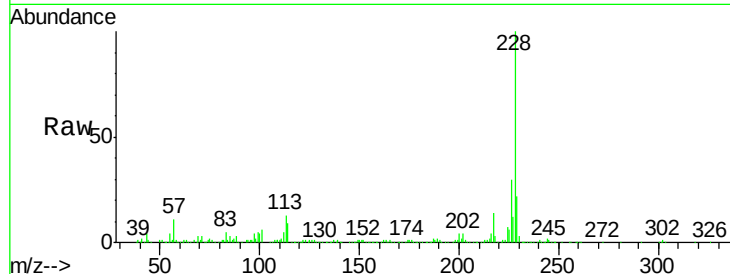
#82
Chrysene
Concen: 12.18 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Resp	Lower	Upper
228	100	296911		
226	30.3	24.7	37.1	
229	21.6	16.3	24.5	

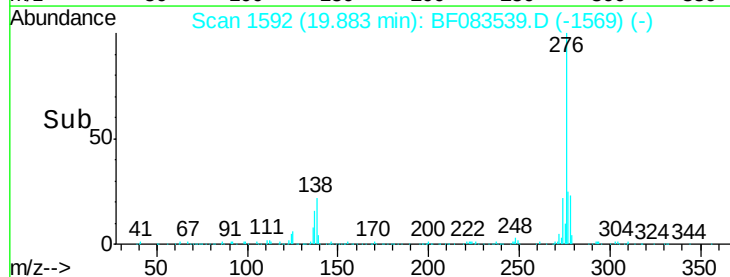
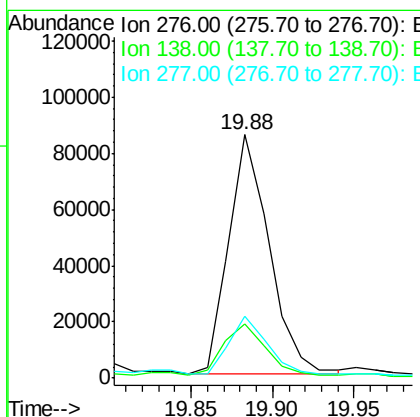
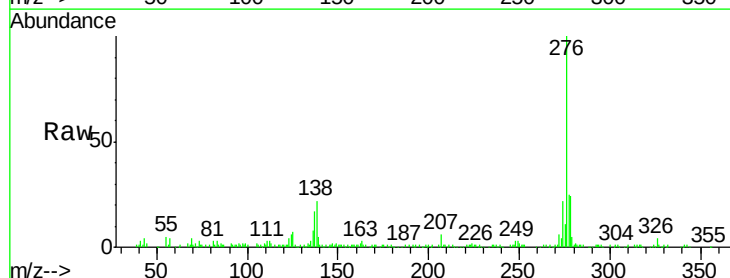
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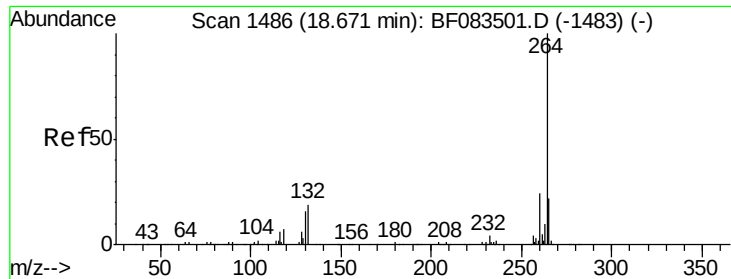
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.01 ng
RT: 19.88 min Scan# 1592
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	146626		
138	22.8	0.0	0.0#	
277	22.6	0.0	0.0#	





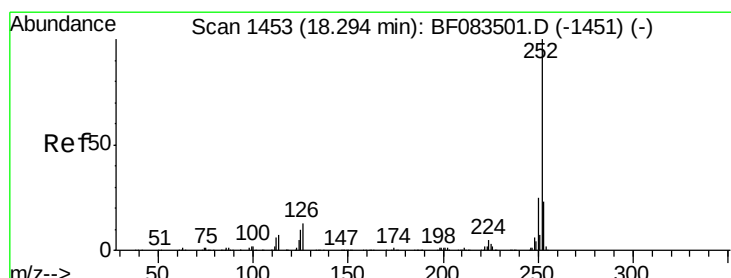
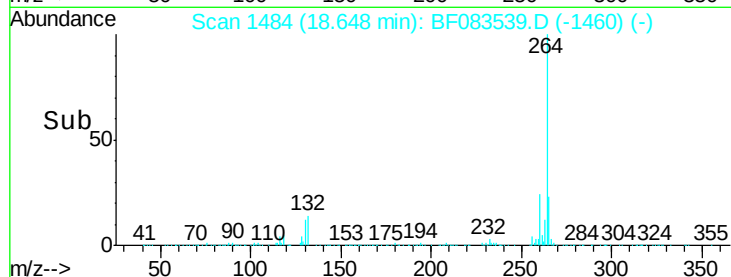
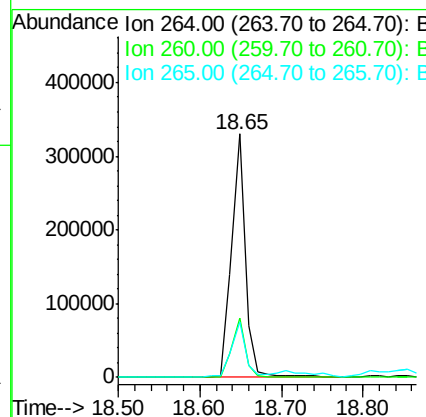
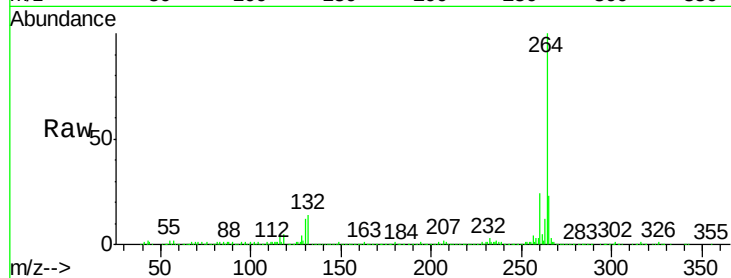
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	22.8	17.8	26.6

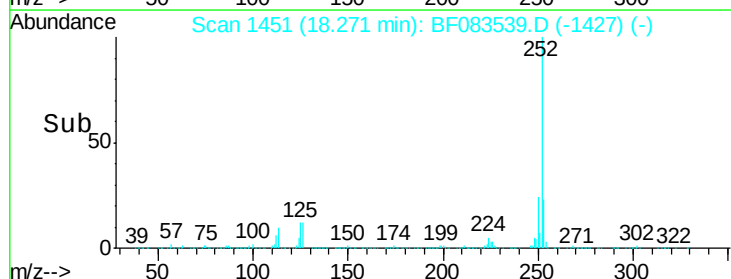
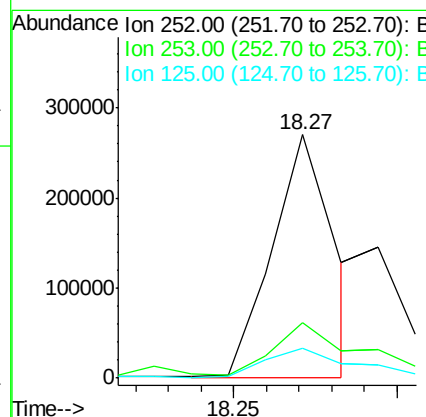
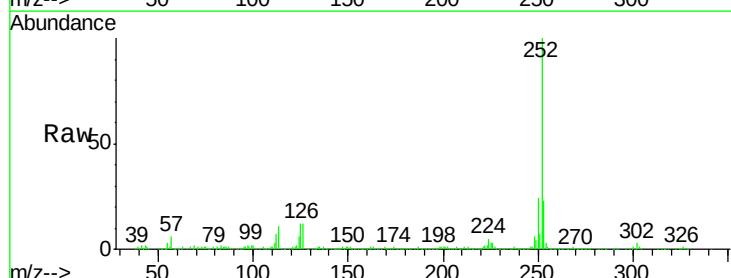
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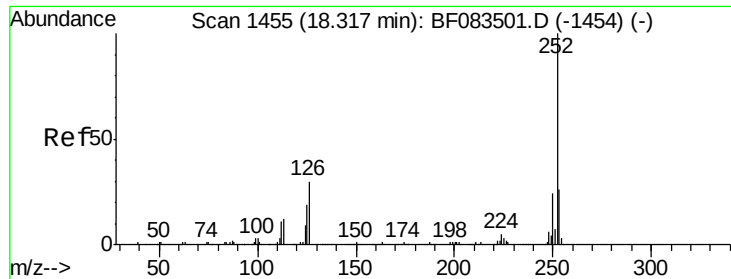
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#87
Benzo(b)fluoranthene
Concen: 16.21 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	12.1	8.2	12.4





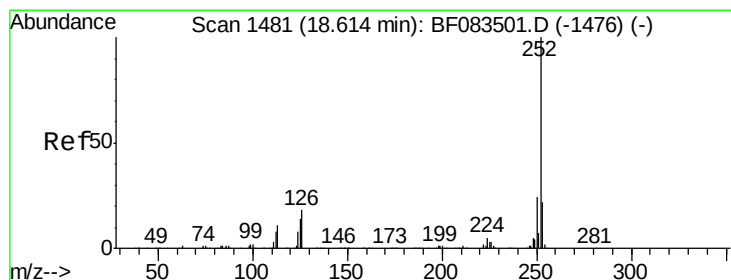
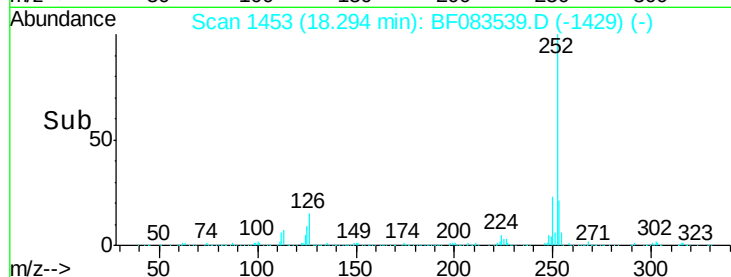
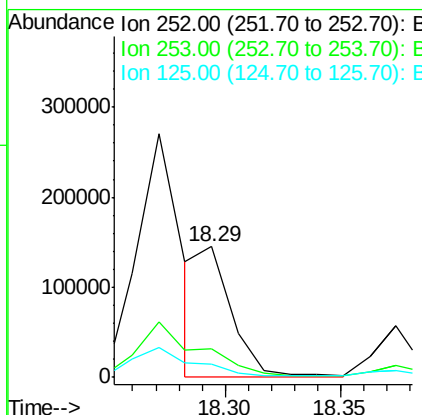
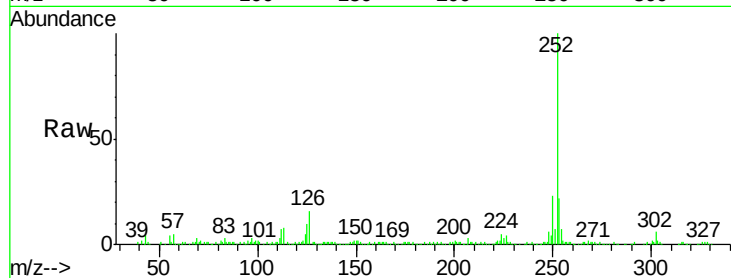
#88
Benzo(k)fluoranthene
Concen: 6.42 ng m
RT: 18.29 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.6	27.8
125	10.1	11.5	17.3

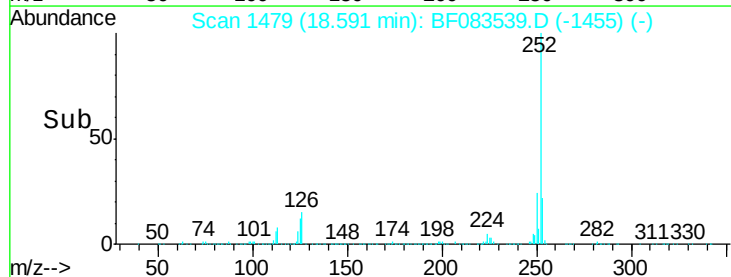
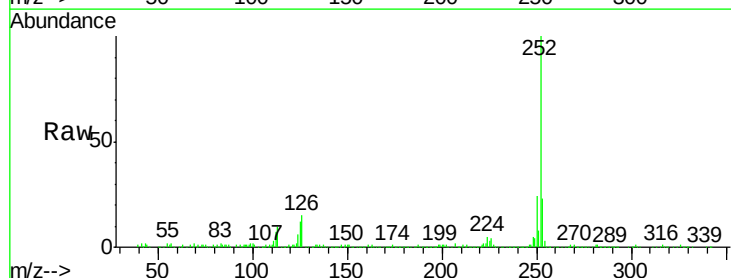
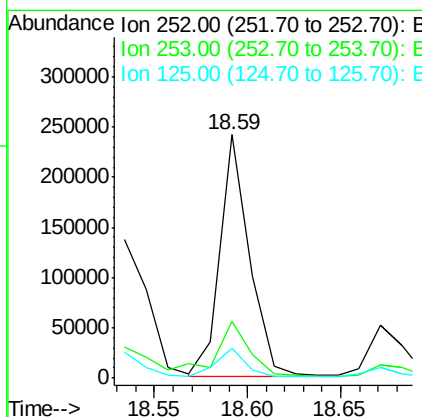
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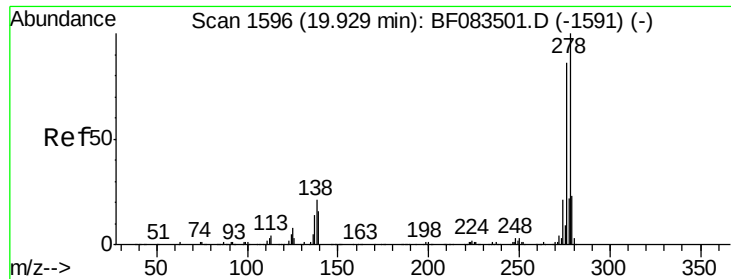
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#89
Benzo(a)pyrene
Concen: 12.65 ng
RT: 18.59 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	12.4	11.0	16.6





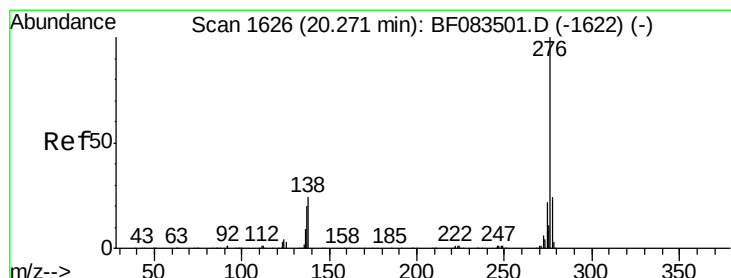
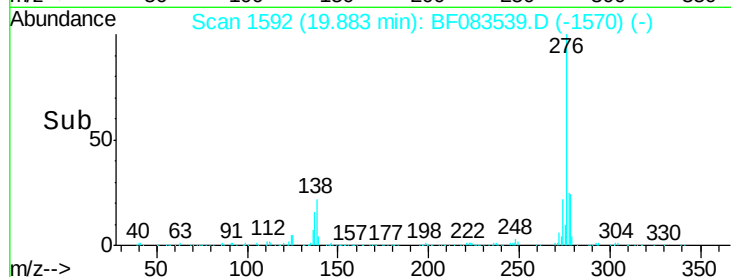
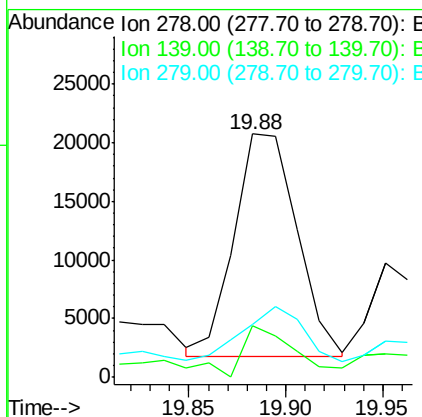
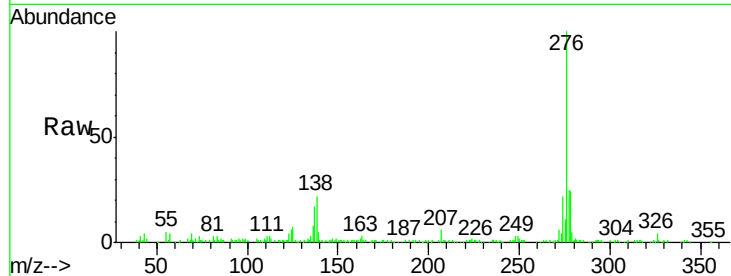
#90
Dibenzo(a,h)anthracene
Concen: 2.08 ng
RT: 19.88 min Scan# 1592
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_F
ClientSampleId :
S25-15.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.3	12.8	19.2#
279	21.8	18.6	28.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.56 ng
RT: 20.24 min Scan# 1623
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	23.8	19.5	29.3

