

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083428.D
 Acq On : 2 Dec 2015 20:17
 Operator : UM/IZ
 Sample : G4584-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)

Manual Integrations
 APPROVED

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 12/3/2015 7:09:45 PM

Quant Time: Dec 03 04:23:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	153821m	20.00	ng	0.00
21) Naphthalene-d8	7.82	136	619153	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	310752	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	537773	20.00	ng	-0.02
75) Chrysene-d12	14.74	240	374384	20.00	ng	-0.02
86) Perylene-d12	16.80	264	344629	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1625498	158.57	ng	0.01
7) Phenol-d6	6.21	99	2039766	145.38	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1451694	103.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	393999	126.30	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1939630	88.95	ng	-0.01
78) Terphenyl-d14	13.21	244	1725043	109.89	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.85	128	109674	3.26	ng	97
48) Acenaphthylene	9.44	152	343882	10.38	ng	96
49) Dimethylphthalate	9.31	163	470430	18.63	ng	99
70) Phenanthrene	11.14	178	1189738	37.38	ng	99
71) Anthracene	11.20	178	195784	6.11	ng	98
74) Fluoranthene	12.65	202	2541388	77.04	ng	99
77) Pyrene	12.97	202	3118933	119.29	ng	95
80) Benzo(a)anthracene	14.72	228	1160644	50.60	ng	95
82) Chrysene	14.77	228	1184399	53.45	ng	99
85) Indeno(1,2,3-cd)pyrene	18.18	276	997005	61.77	ng	94
87) Benzo(b)fluoranthene	16.29	252	1569033m	70.95	ng	
88) Benzo(k)fluoranthene	16.33	252	356581m	17.08	ng	
89) Benzo(a)pyrene	16.73	252	835189	43.97	ng	# 98
90) Dibenzo(a,h)anthracene	18.19	278	197230	11.92	ng	98
91) Benzo(a,h,i)perylene	18.56	276	1098915	67.65	ng	# 94

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

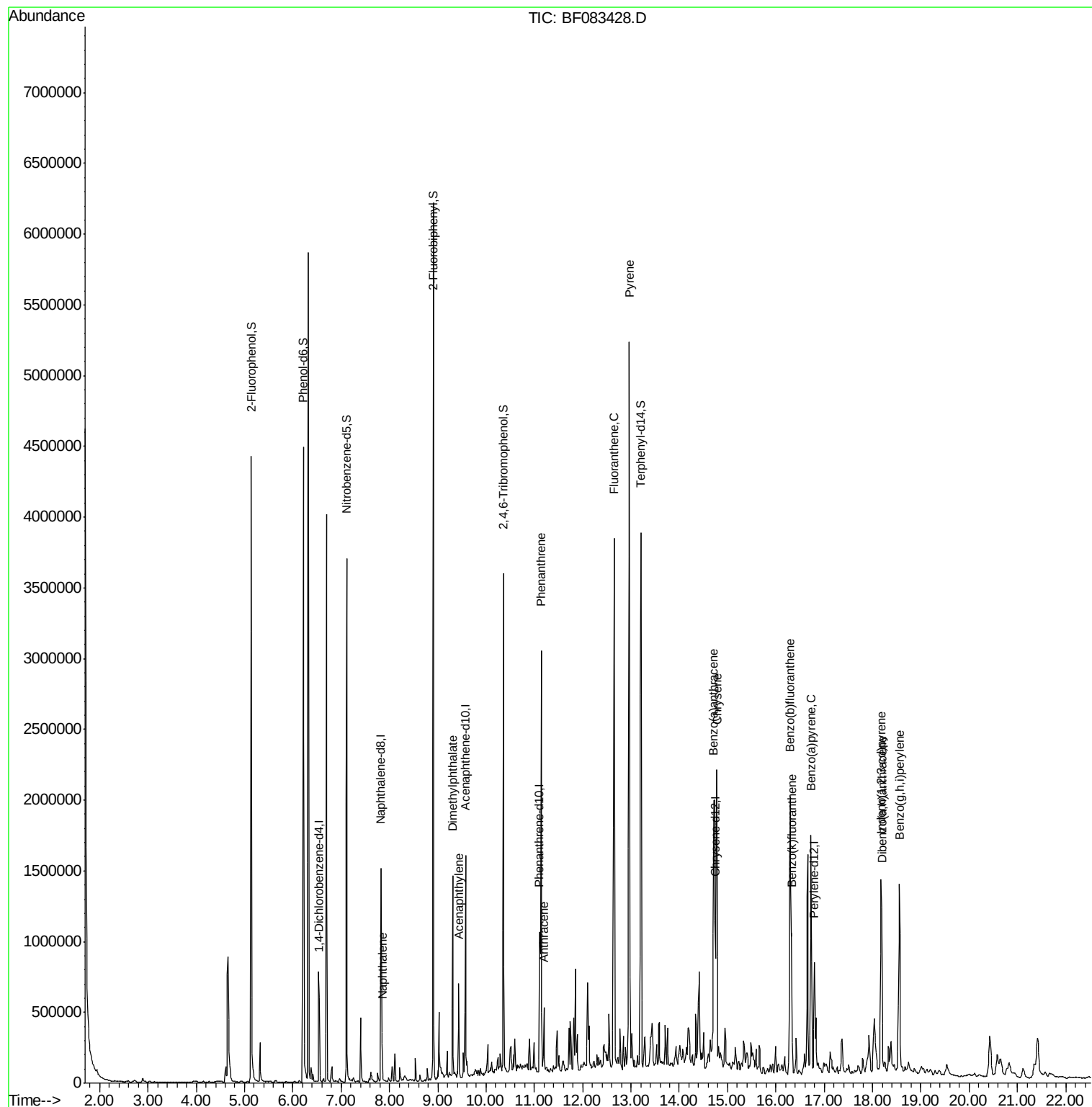
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083428.D
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ALS Vial : 17 Sample Multiplier: 1

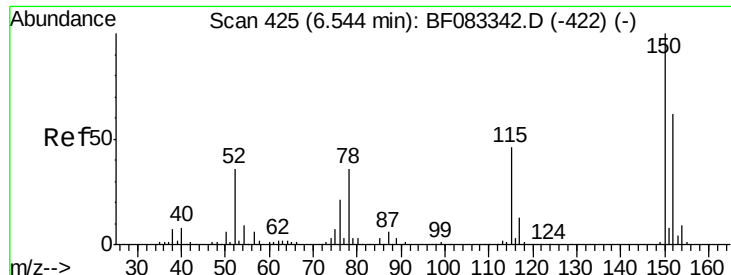
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

Manual Integrations
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Quant Time: Dec 03 04:23:49 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

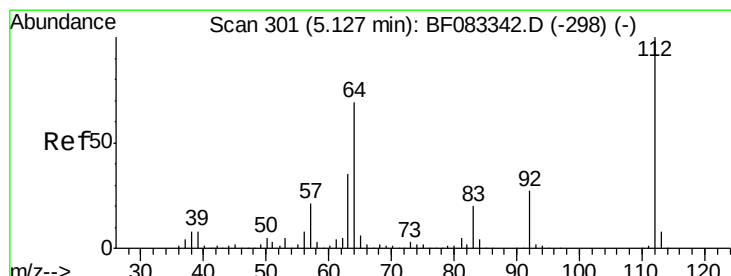
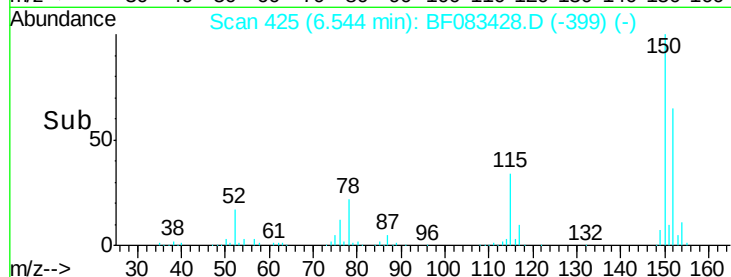
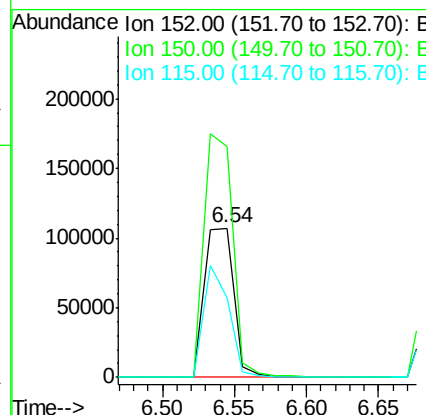
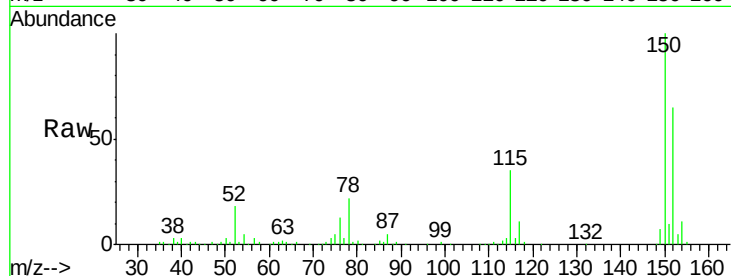
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.54 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	129.8	194.8
115	53.3	59.2	88.8

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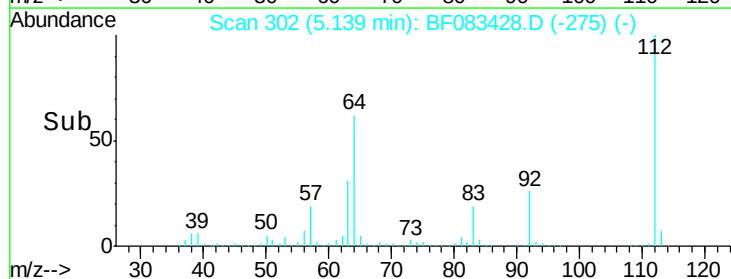
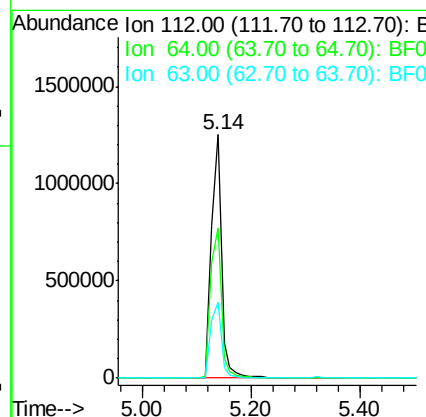
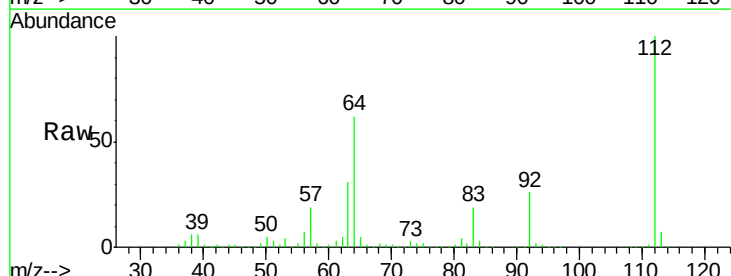
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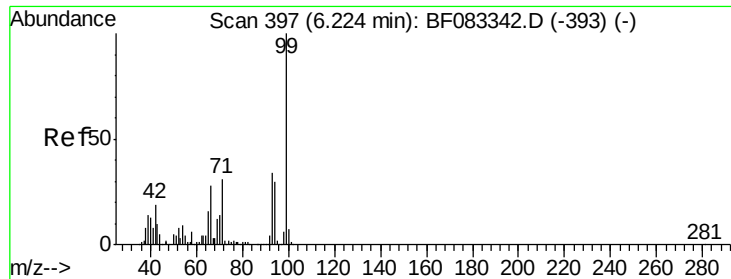


#5

2-Fluorophenol
Concen: 158.57 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	55.6	83.4
63	31.1	28.2	42.2





#7

Phenol-d6

Concen: 145.38 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

Tot Ion: 99 Resp: 2039766

Ion Ratio Lower Upper

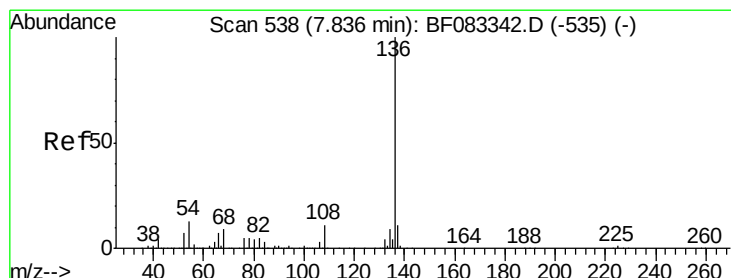
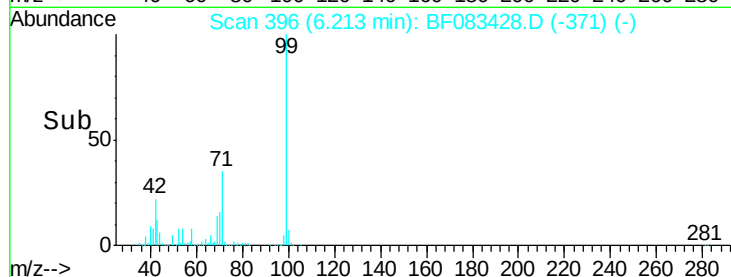
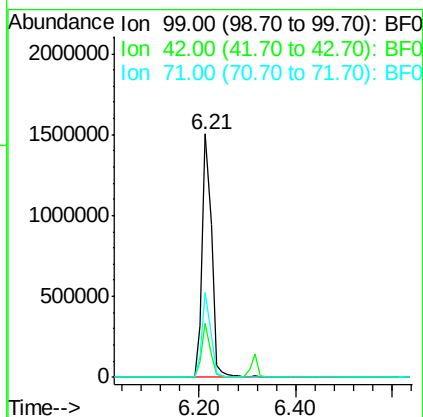
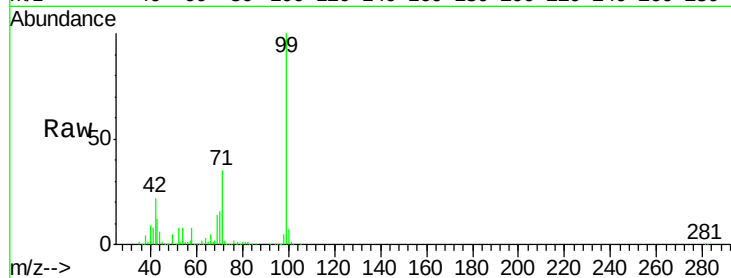
99 100

42 22.5 14.9 22.3#

71 34.9 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Tgt Ion: 136 Resp: 619153

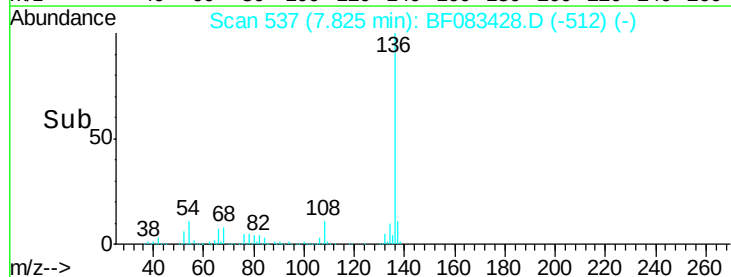
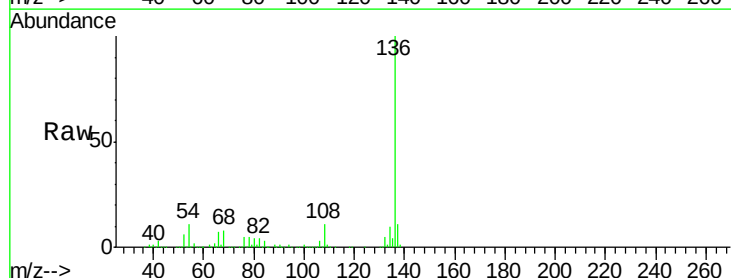
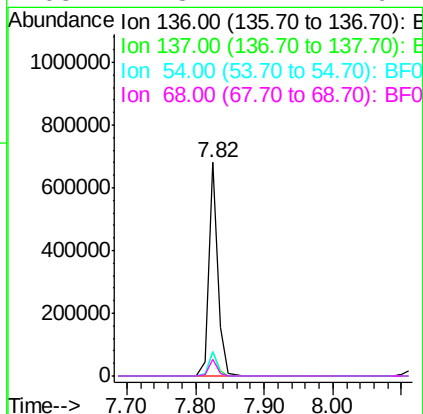
Ion Ratio Lower Upper

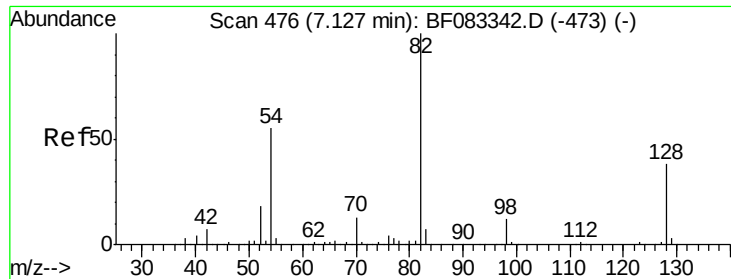
136 100

137 11.2 9.0 13.4

54 11.3 10.1 15.1

68 7.8 7.1 10.7





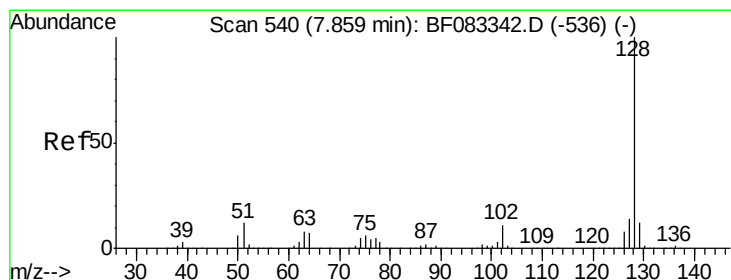
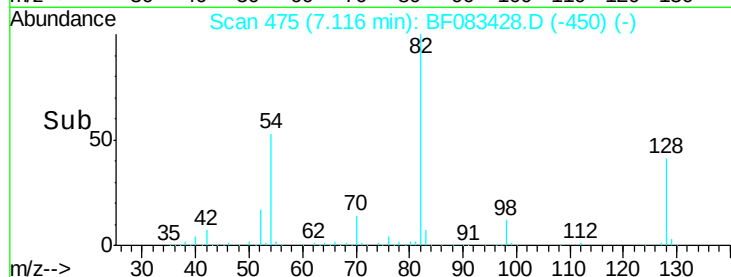
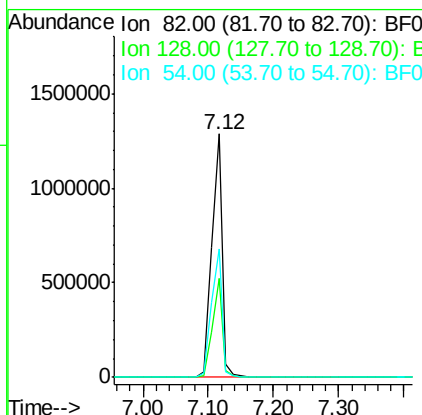
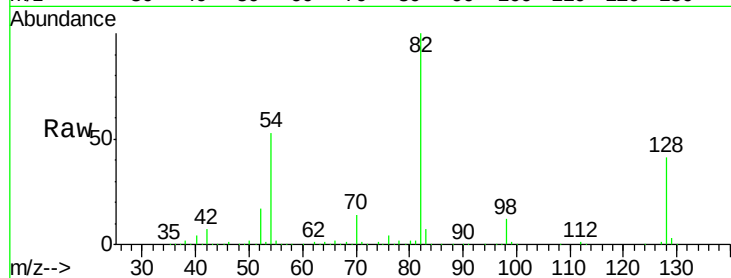
#23
 Nitrobenzene-d5
 Concen: 103.07 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083428.D
 Acq: 2 Dec 2015 20:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)

Tot Ion	82	Resp	1451694
Ion Ratio	Lower	Upper	
82	100		
128	40.7	30.6	46.0
54	53.0	43.8	65.6

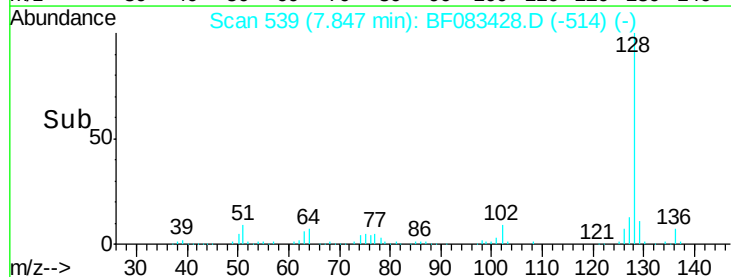
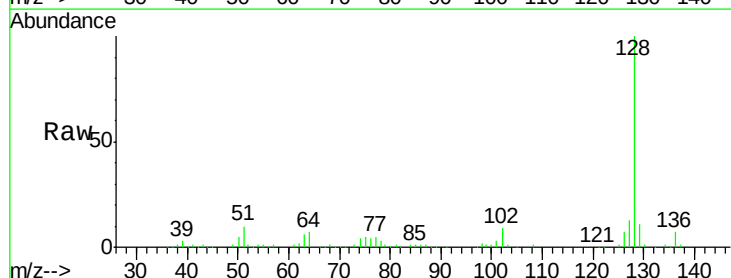
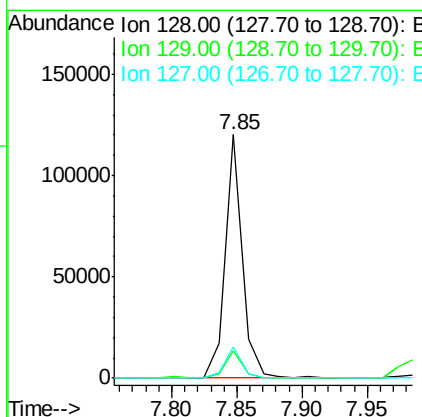
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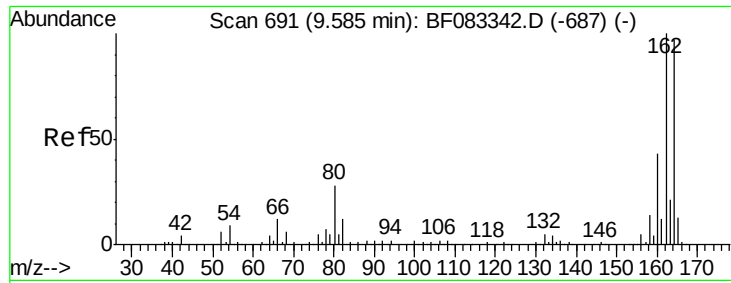
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#31
 Naphthalene
 Concen: 3.26 ng
 RT: 7.85 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: BF083428.D
 Acq: 2 Dec 2015 20:17

Tgt Ion	128	Resp	109674
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.7	14.5
127	12.5	11.0	16.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

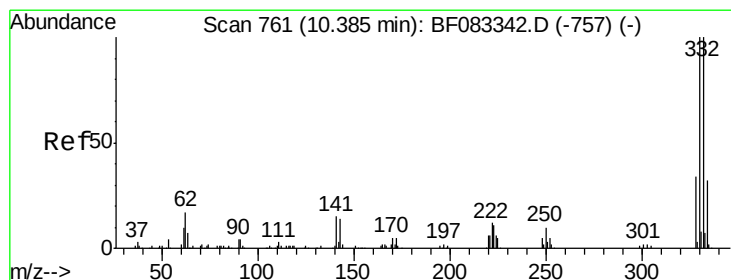
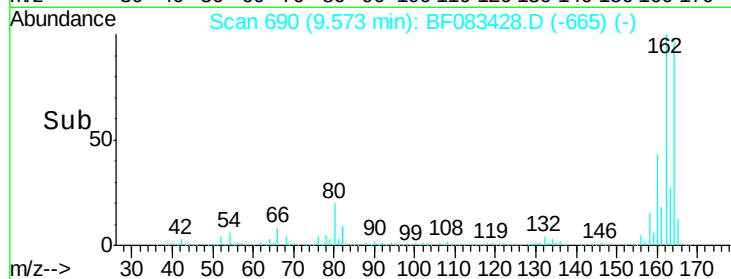
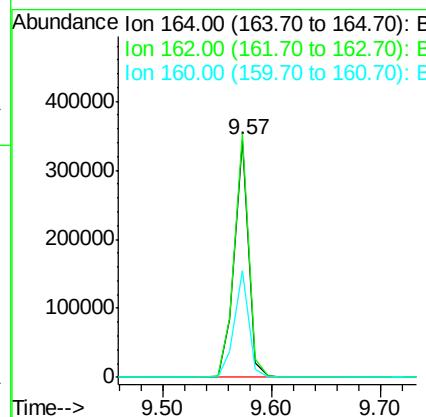
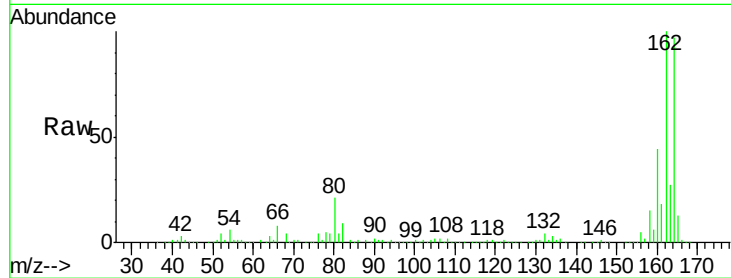
ClientSampleId :

SB-P3WC-13(0-8)

Tot Ion:	164	Resp:	310752
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.6	123.8
160	44.7	35.3	52.9

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#41

2,4,6-Tribromophenol

Concen: 126.30 ng

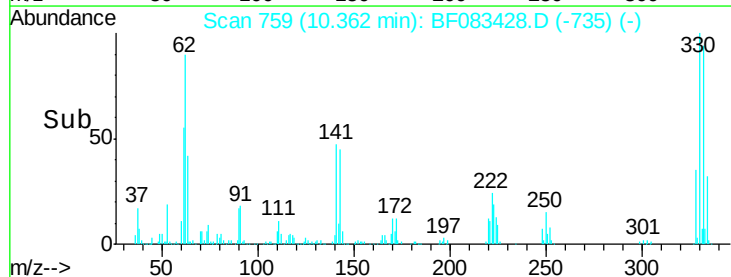
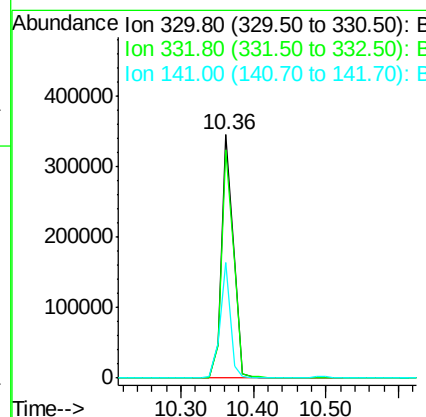
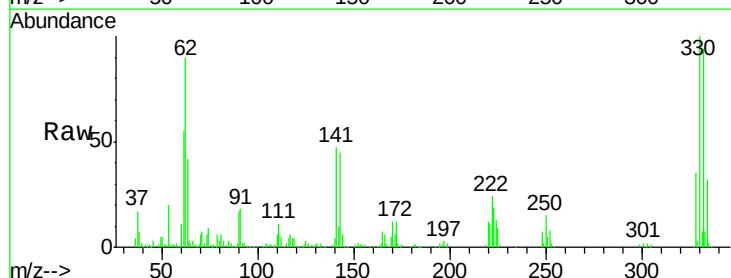
RT: 10.36 min Scan# 759

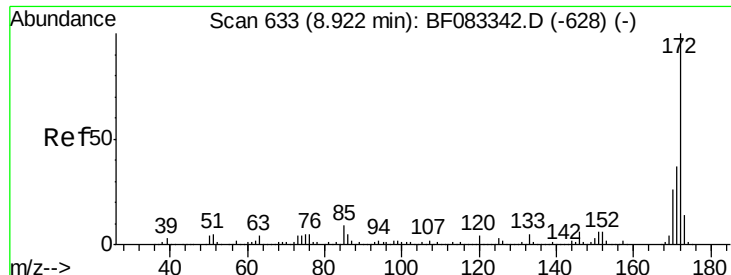
Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Tgt Ion:	330	Resp:	393999
Ion Ratio	Lower	Upper	
330	100		
332	95.0	77.8	116.6
141	41.1	29.4	44.0





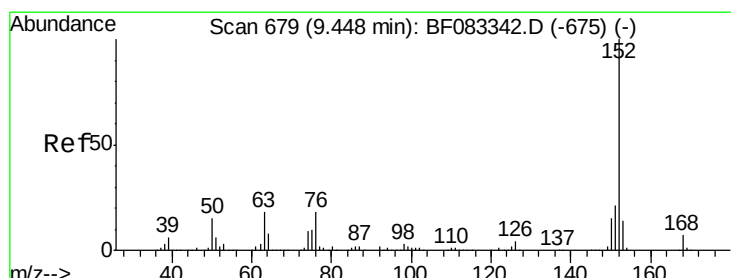
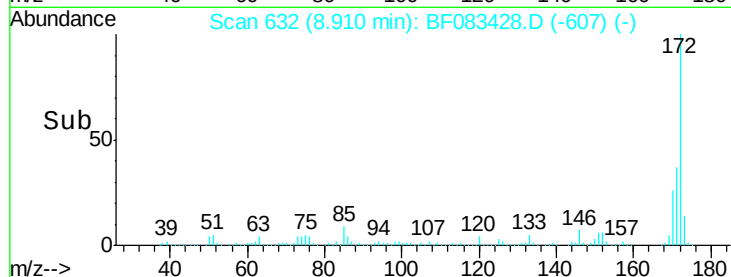
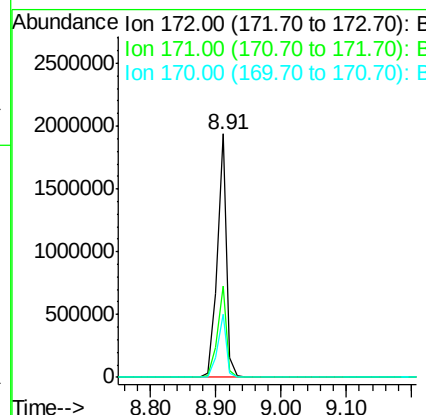
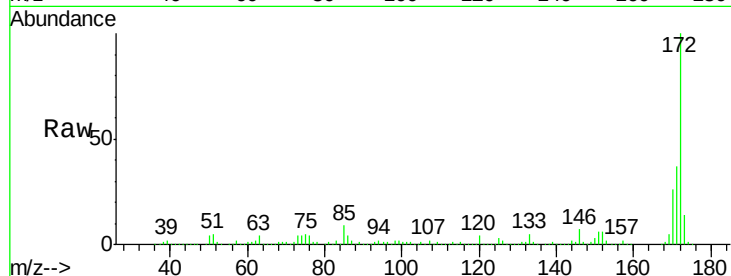
#44
2-Fluorobiphenyl
Concen: 88.95 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.0
170	25.8	20.4	30.6

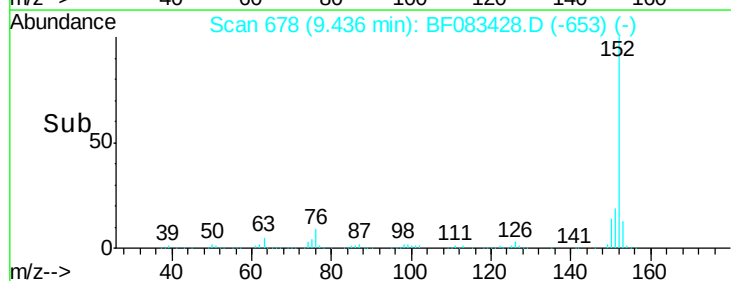
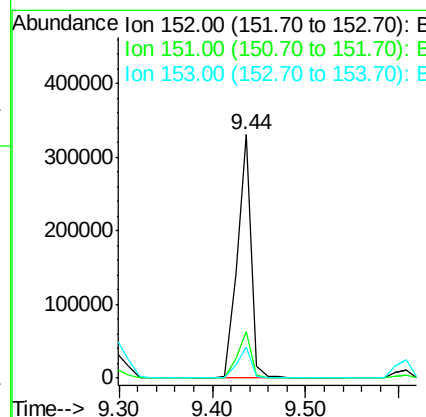
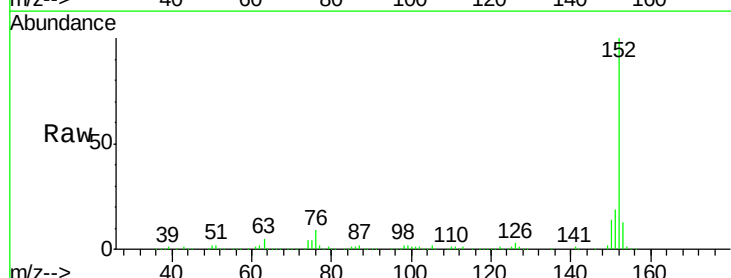
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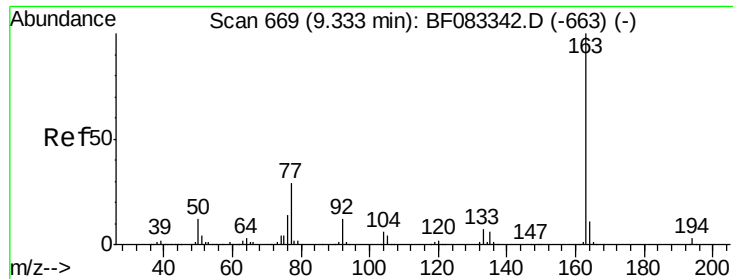
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#48
Acenaphthylene
Concen: 10.38 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.7	25.1
153	12.6	11.2	16.8





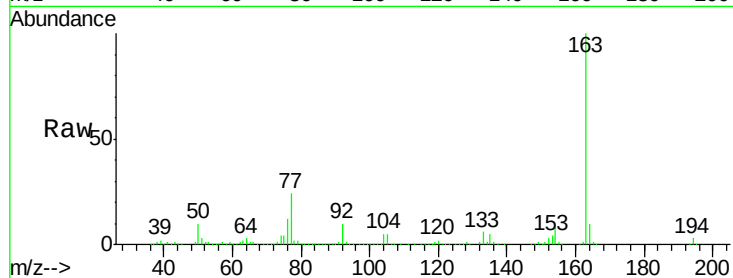
#49
Dimethylphthalate
Concen: 18.63 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

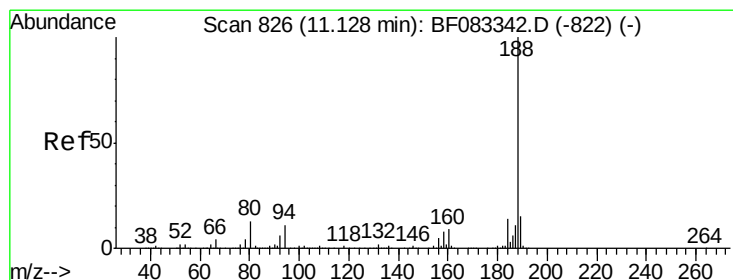
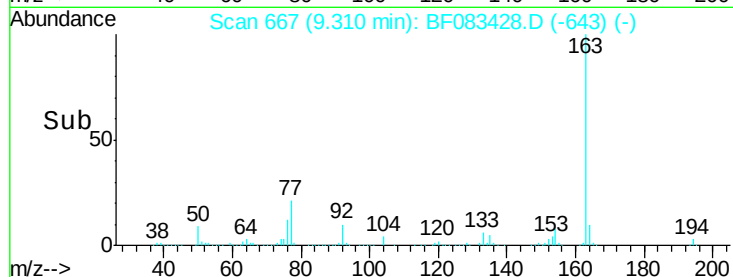
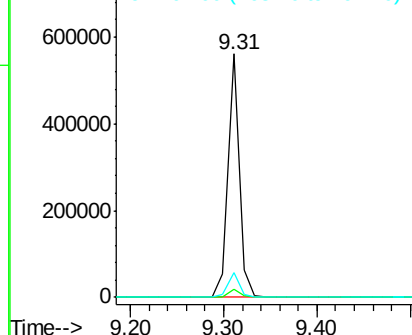
Tot Ion	Ratio	Resp	Lower	Upper
163	100	470430		
194	3.3	2.7	4.1	
164	10.4	8.8	13.2	

Manual Integrations
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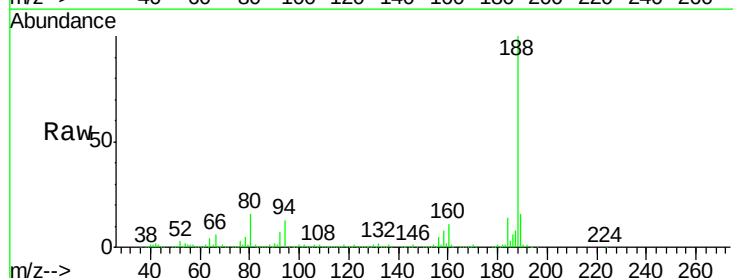


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

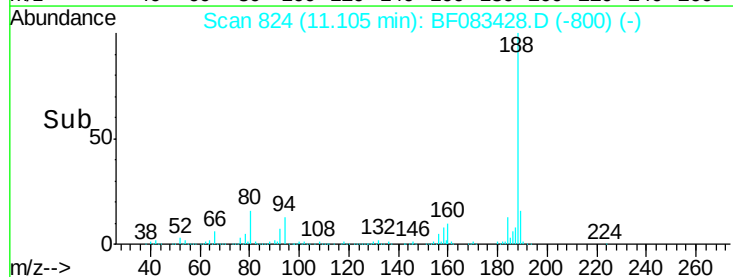
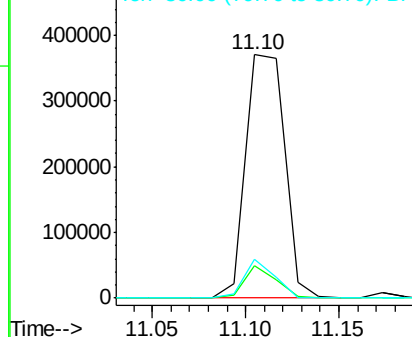


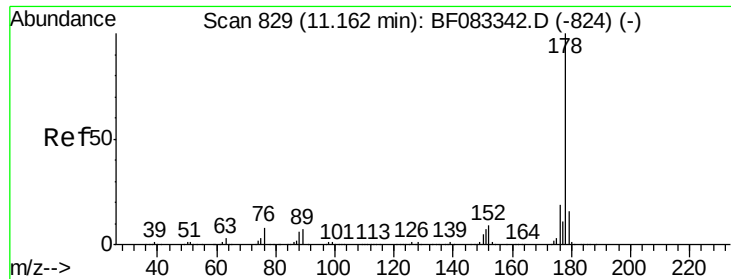
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	537773		
94	13.5	8.7	13.1#	
80	16.2	10.3	15.5#	



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





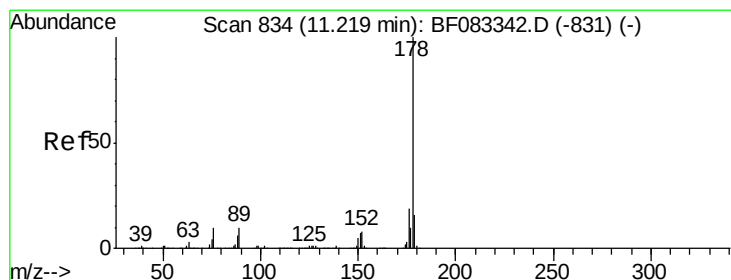
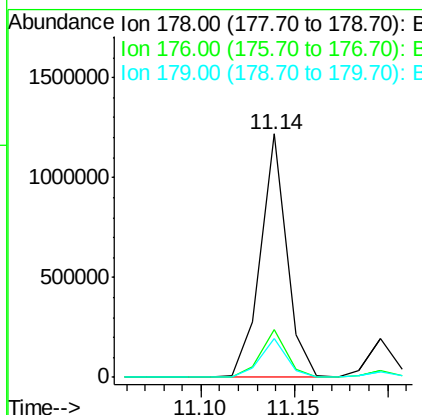
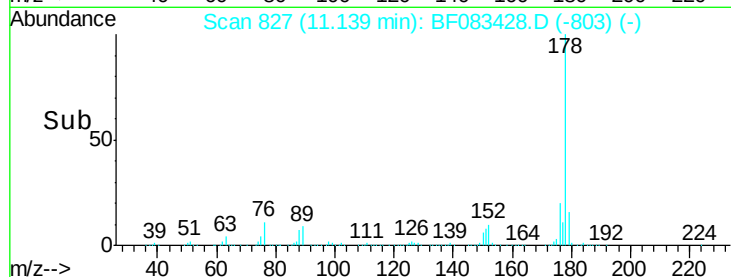
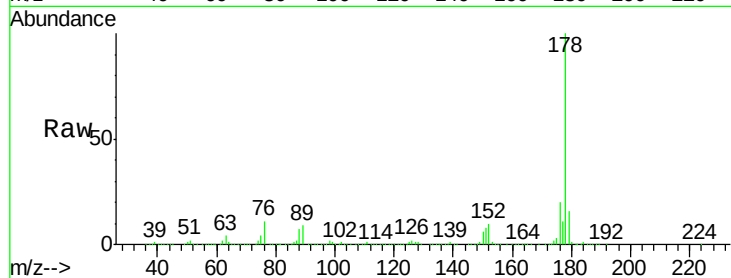
#70
Phenanthrene
Concen: 37.38 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

Tot Ion:178 Resp: 1189738
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.9 12.4 18.6

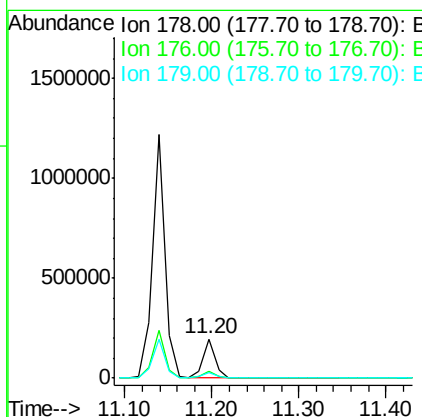
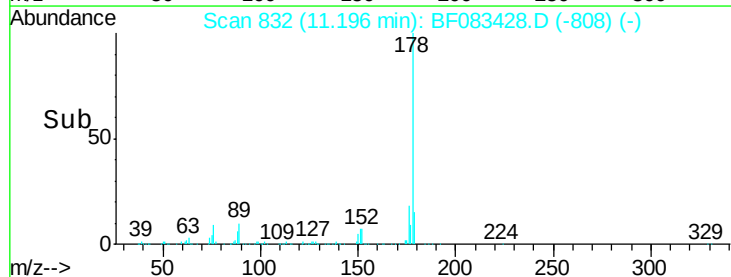
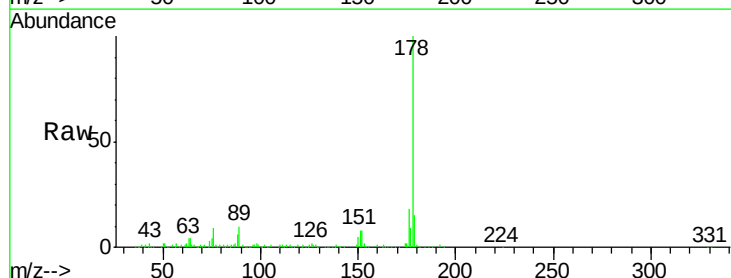
Manual Integrations
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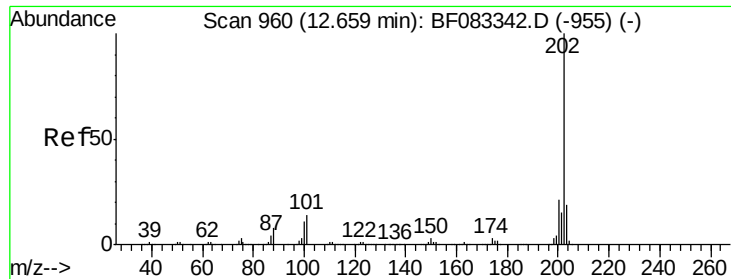
Mmdadoda
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#71
Anthracene
Concen: 6.11 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion:178 Resp: 195784
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.5 12.8 19.2





#74

Fluoranthene

Concen: 77.04 ng

RT: 12.65 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

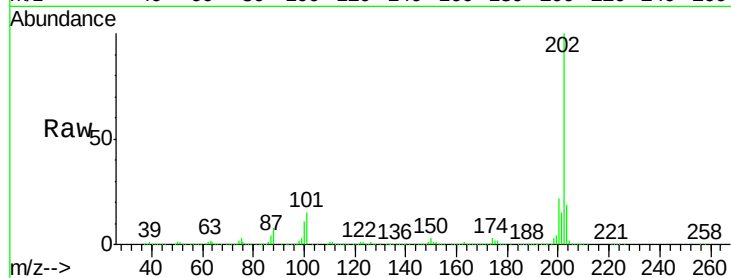
ClientSampleId :

SB-P3WC-13(0-8)

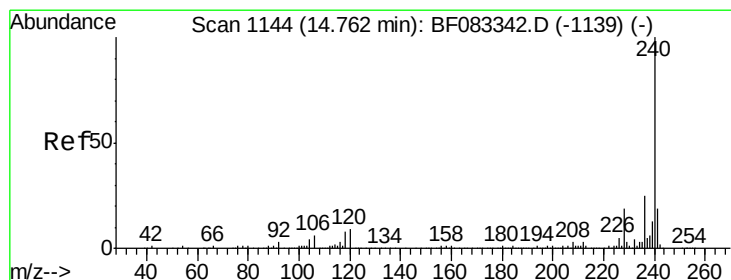
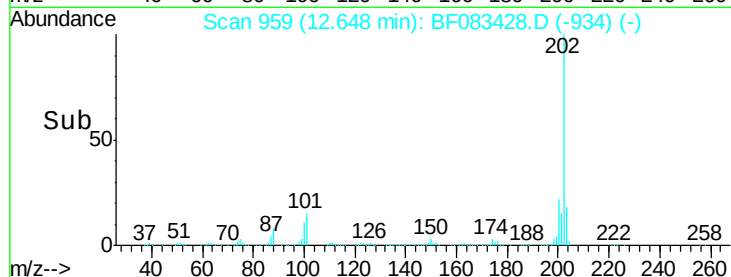
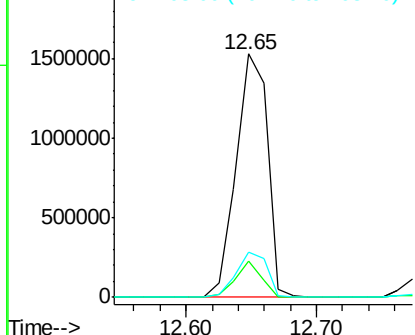
Tot Ion:	202	Resp:	2541388
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	34.5
203	18.5	0.0	38.7

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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: 20.00 ng

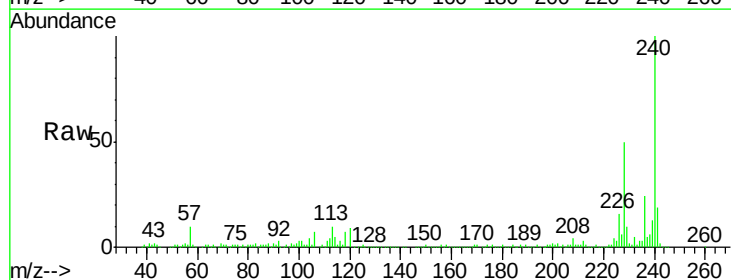
RT: 14.74 min Scan# 1142

Delta R.T. -0.02 min

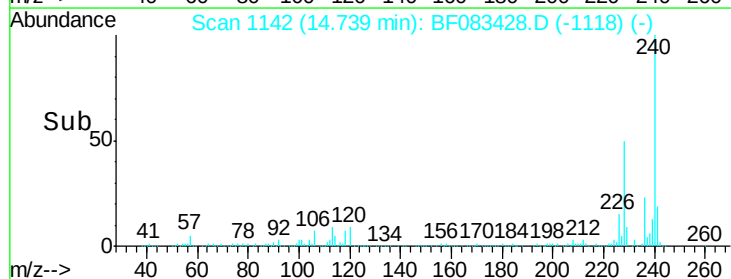
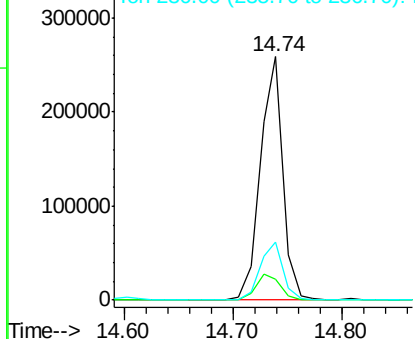
Lab File: BF083428.D

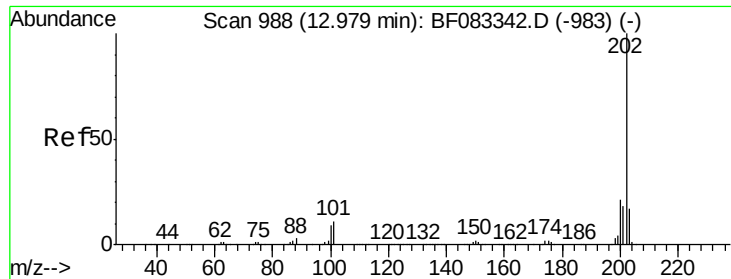
Acq: 2 Dec 2015 20:17

Tgt Ion:	240	Resp:	374384
Ion Ratio	Lower	Upper	
240	100		
120	8.7	6.9	10.3
236	24.1	19.8	29.6



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: 119.29 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

Tot Ion:202 Resp: 3118933

Ion Ratio Lower Upper

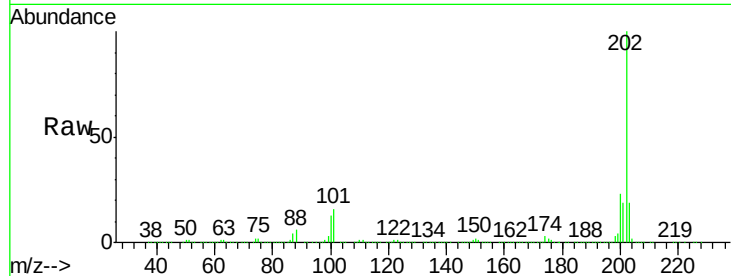
202 100

200 23.4 16.9 25.3

203 19.2 13.9 20.9

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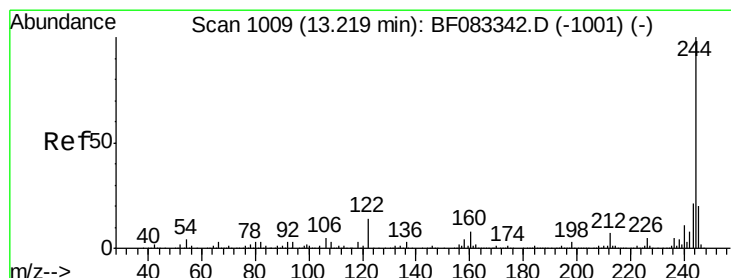
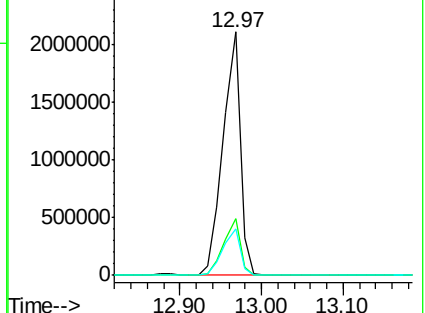
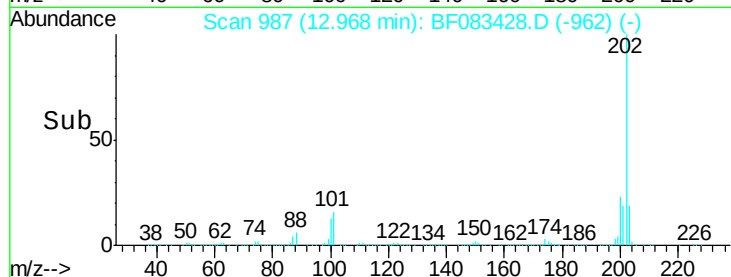
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 109.89 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

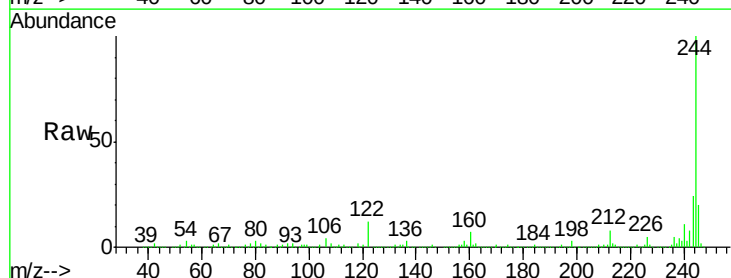
Tgt Ion:244 Resp: 1725043

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

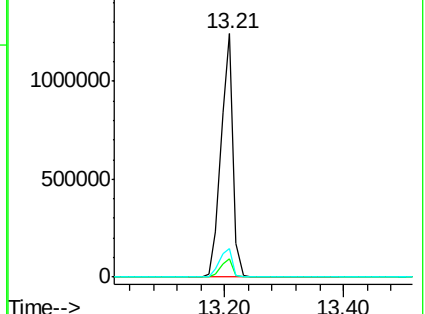
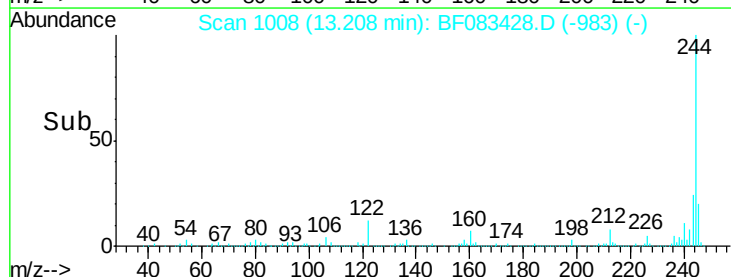
122 11.5 11.0 16.4

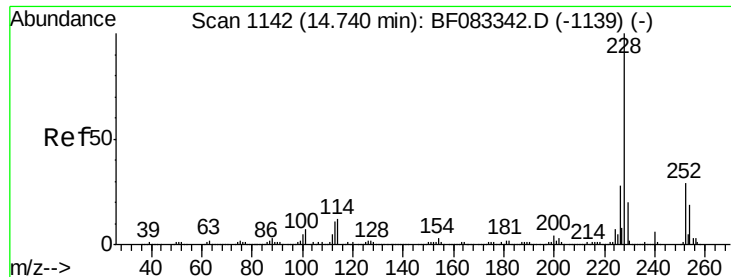


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





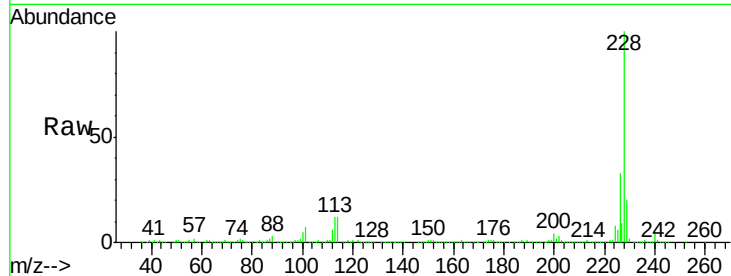
#80
Benzo(a)anthracene
Concen: 50.60 ng
RT: 14.72 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

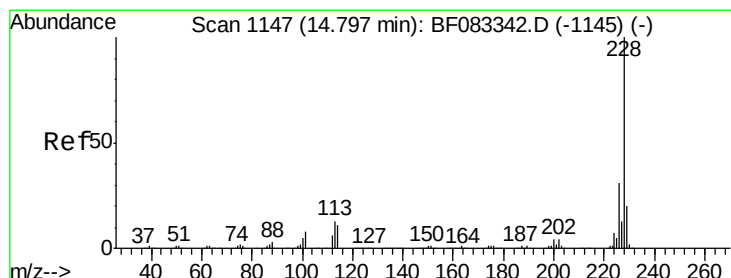
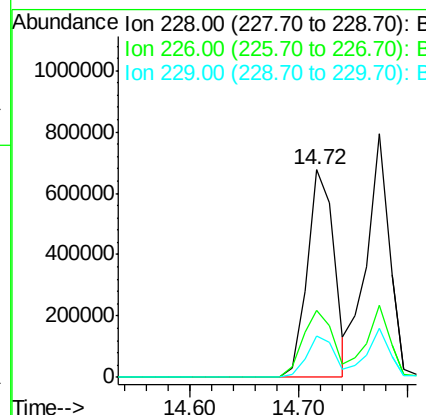
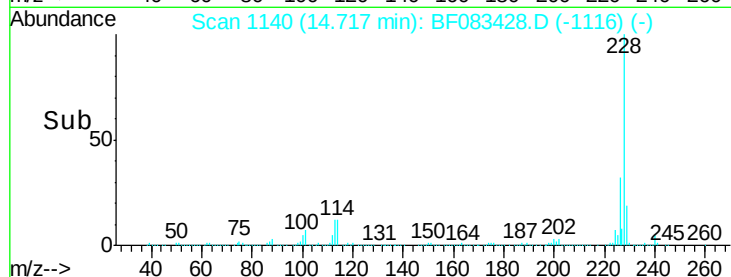
Tot Ion:228 Resp: 1160644
Ion Ratio Lower Upper
228 100
226 32.5 22.2 33.4
229 19.9 16.1 24.1

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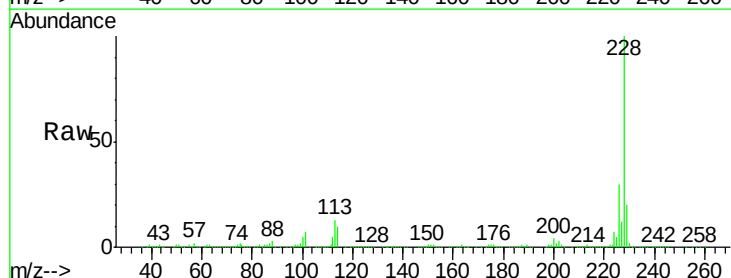


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

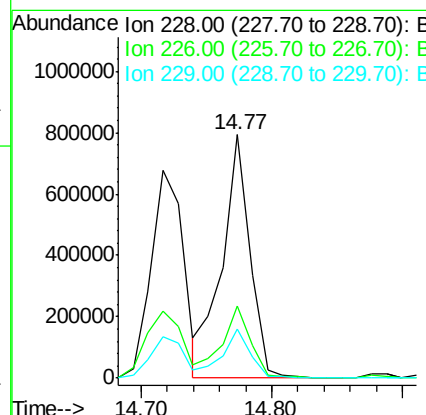
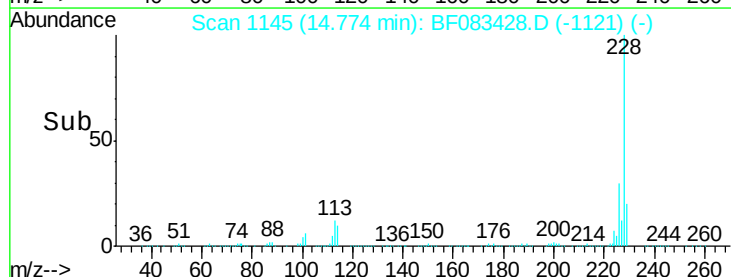


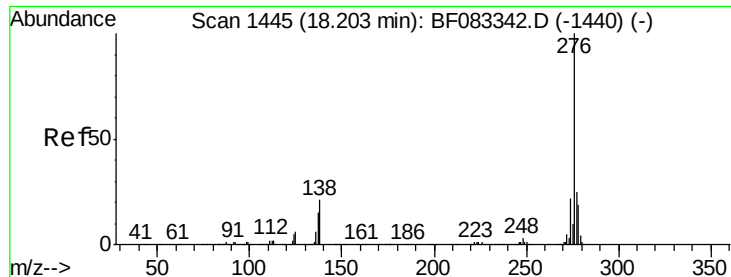
#82
Chrysene
Concen: 53.45 ng
RT: 14.77 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion:228 Resp: 1184399
Ion Ratio Lower Upper
228 100
226 29.8 24.6 37.0
229 20.1 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 61.77 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

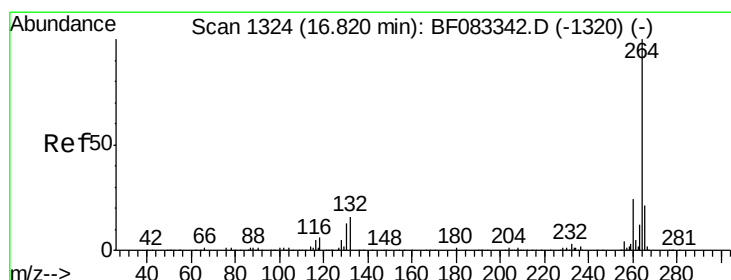
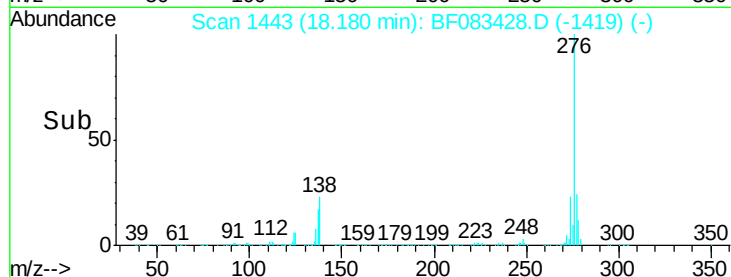
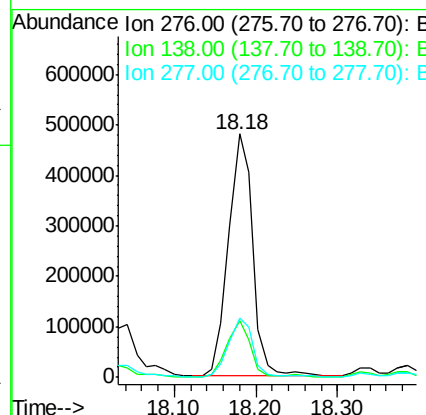
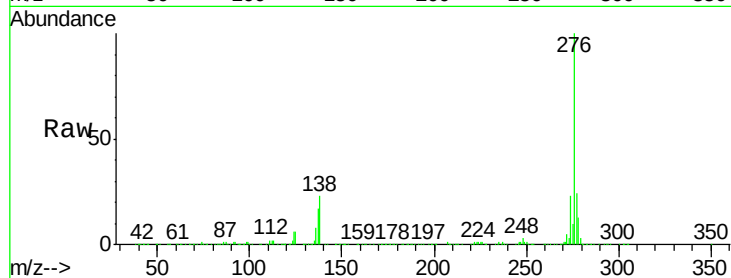
ClientSampleId :

SB-P3WC-13(0-8)

Tot Ion:	276	Resp:	997005
Ion Ratio		Lower	Upper
276	100		
138	21.9	21.2	31.8
277	23.3	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

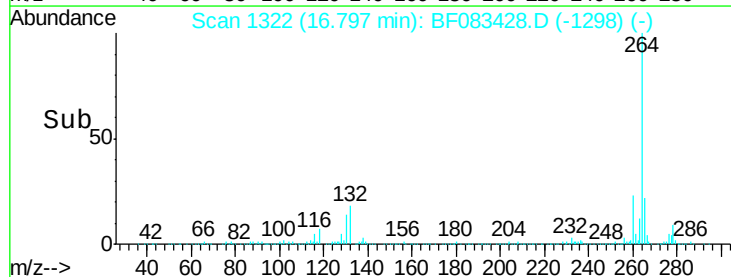
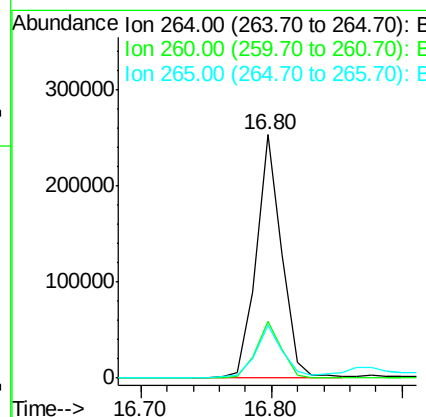
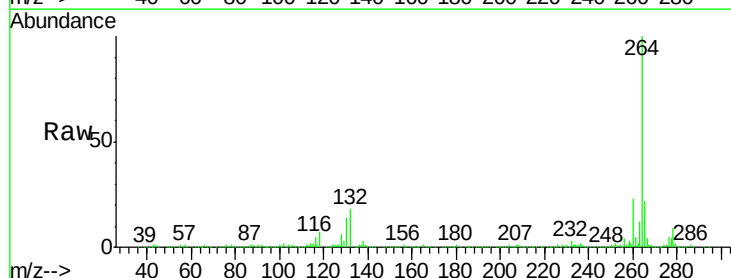
RT: 16.80 min Scan# 1322

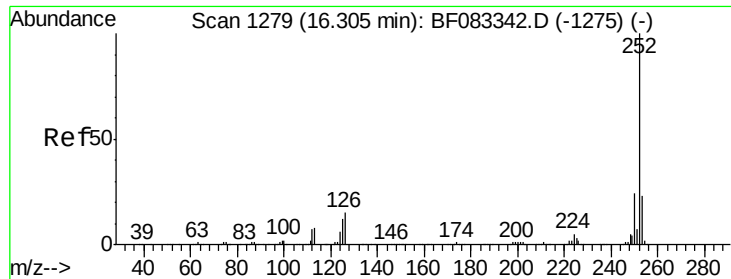
Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Tgt Ion:	264	Resp:	344629
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.7	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 70.95 ng m

RT: 16.29 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

Tot Ion:252 Resp: 1569033

Ion Ratio Lower Upper

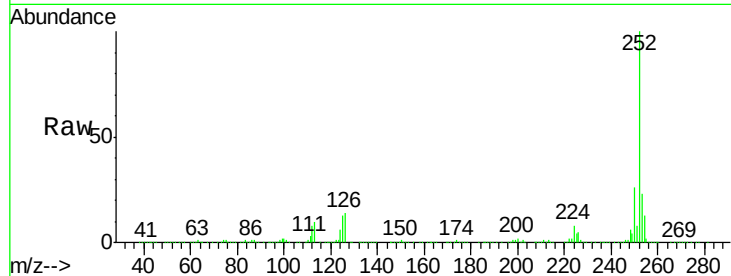
252 100

253 22.9 18.4 27.6

125 12.8 9.6 14.4

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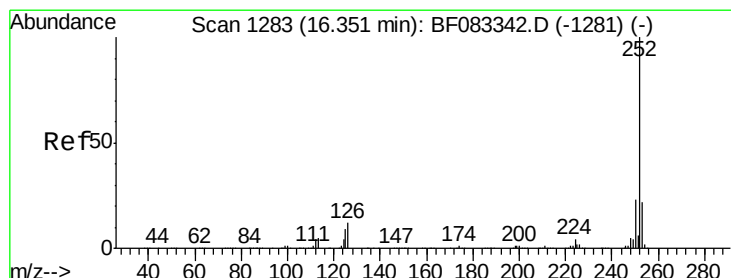
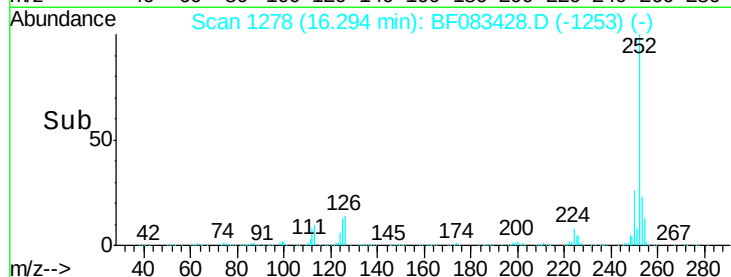
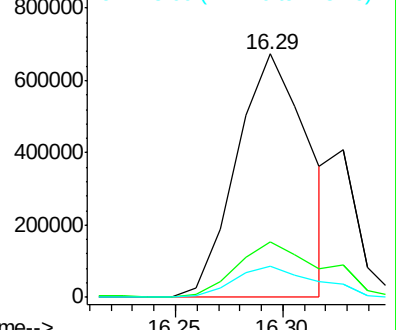
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.08 ng m

RT: 16.33 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

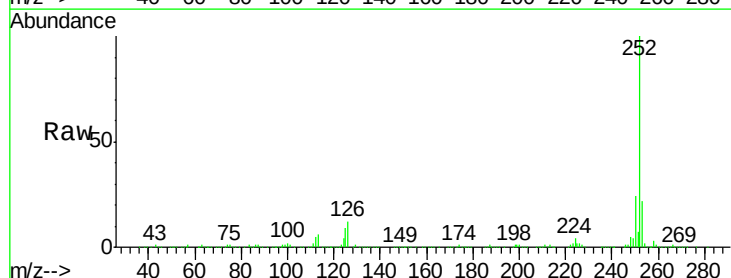
Tgt Ion:252 Resp: 356581

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

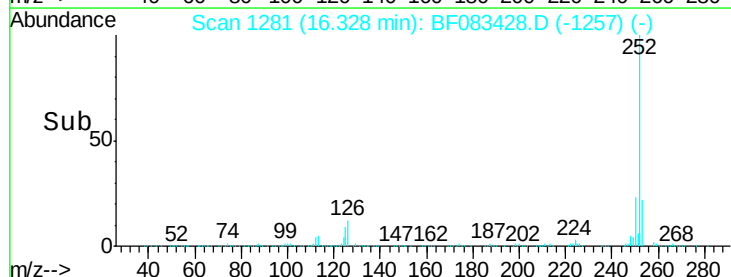
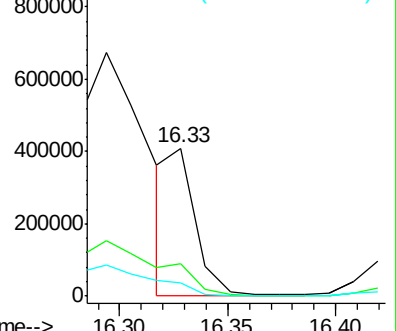
125 9.0 7.5 11.3

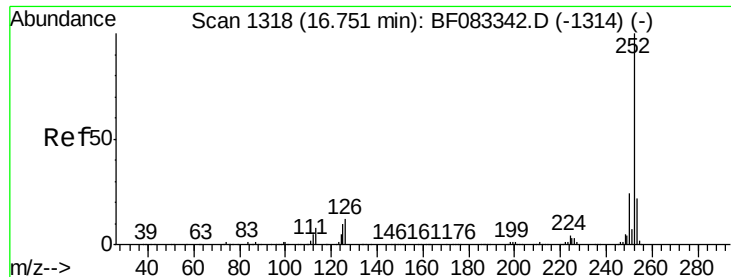


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





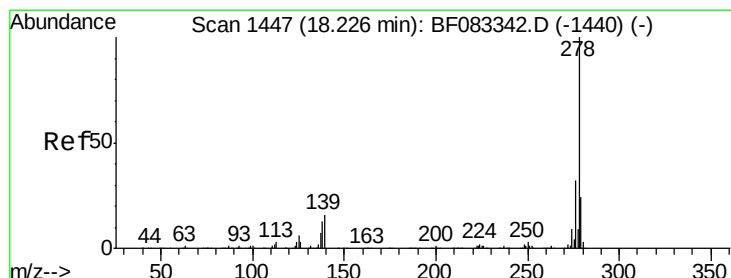
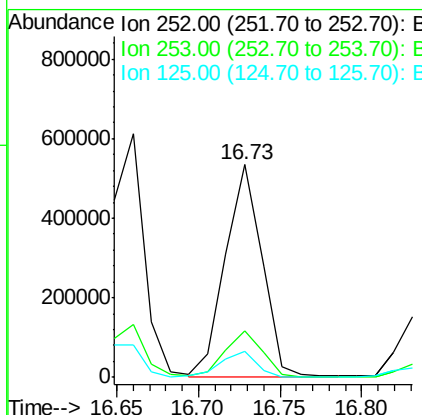
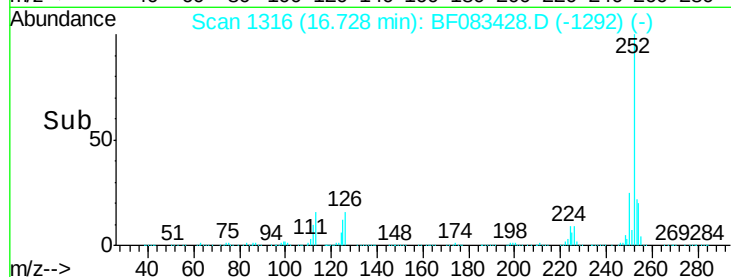
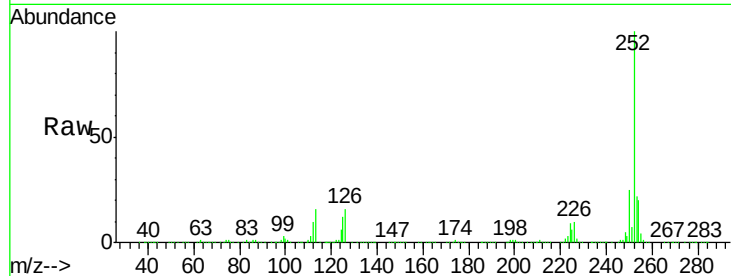
#89
Benzo(a)pyrene
Concen: 43.97 ng
RT: 16.73 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	12.1	7.8	11.8

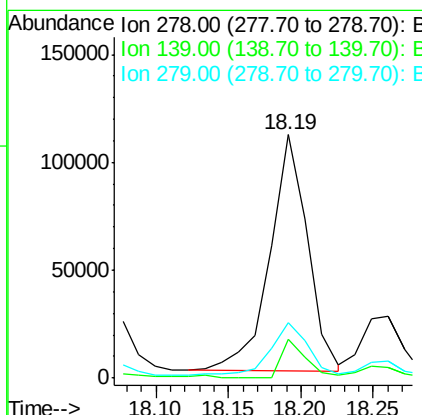
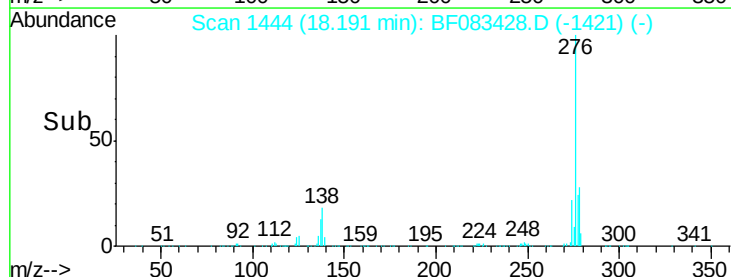
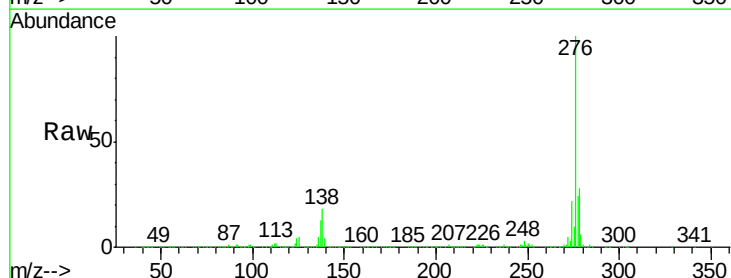
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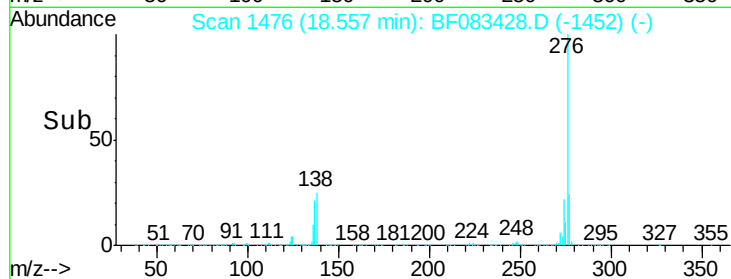
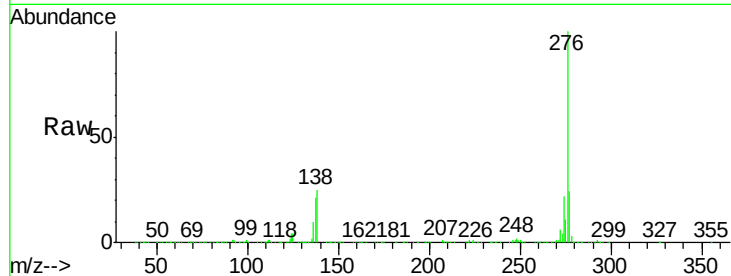
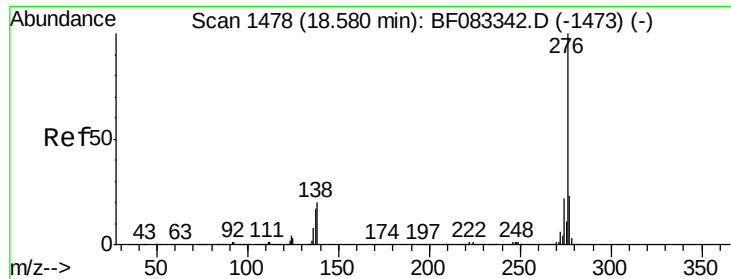
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#90
Dibenzo(a,h)anthracene
Concen: 11.92 ng
RT: 18.19 min Scan# 1444
Delta R.T. -0.03 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.1	19.7
279	22.8	19.2	28.8





#91

Benzo(a,h,i)perylene

Concen: 67.65 ng

RT: 18.56 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

Tot Ion: 276 Resp: 1098915

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 25.0 16.1 24.1#

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