

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
 Data File : BF083575.D
 Acq On : 8 Dec 2015 00:27
 Operator : UM/IZ
 Sample : G4579-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

Manual Integrations
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 12/8/2015 6:15:48 PM

Quant Time: Dec 08 04:06:45 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	5.72	152	120579	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	452902	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	192736	20.00	ng	-0.06
63) Phenanthrene-d10	12.85	188	256456	20.00	ng	0.00
75) Chrysene-d12	17.07	240	243313	20.00	ng	0.02
86) Perylene-d12	18.68	264	229374	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	279723	35.19	ng	-0.03
7) Phenol-d6	5.29	99	375029	34.25	ng	-0.03
23) Nitrobenzene-d5	6.54	82	234108	24.16	ng	-0.06
41) 2,4,6-Tribromophenol	11.71	330	53423	30.05	ng	-0.05
44) 2-Fluorobiphenyl	9.37	172	383593	26.99	ng	-0.06
78) Terphenyl-d14	15.48	244	284902	26.06	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.18	152	433505	20.51	ng	99
51) Acenaphthene	10.46	154	32781	2.70	ng	90
54) Dibenzofuran	10.75	168	250685	14.88	ng	98
57) Fluorene	11.31	166	860256	58.69	ng	99
70) Phenanthrene	12.95	178	20837251	1395.89	ng	# 89
71) Anthracene	13.06	178	19372127m	1272.47	ng	
72) Carbazole	13.35	167	13471461	1030.49	ng	# 91
74) Fluoranthene	14.96	202	28585486	1932.17	ng	94
77) Pyrene	15.29	202	16940241	930.71	ng	# 87
80) Benzo(a)anthracene	17.06	228	3751413m	263.52	ng	
82) Chrysene	17.14	228	8306171m	585.68	ng	
85) Indeno(1,2,3-cd)pyrene	19.93	276	641130	52.74	ng	# 100
87) Benzo(b)fluoranthene	18.33	252	4534688m	352.03	ng	
88) Benzo(k)fluoranthene	18.34	252	1114470m	84.46	ng	
89) Benzo(a)pyrene	18.64	252	520229m	41.52	ng	
90) Dibenzo(a,h)anthracene	19.93	278	160465m	13.31	ng	
91) Benzo(a,h,i)perylene	20.29	276	444063	36.55	ng	95

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

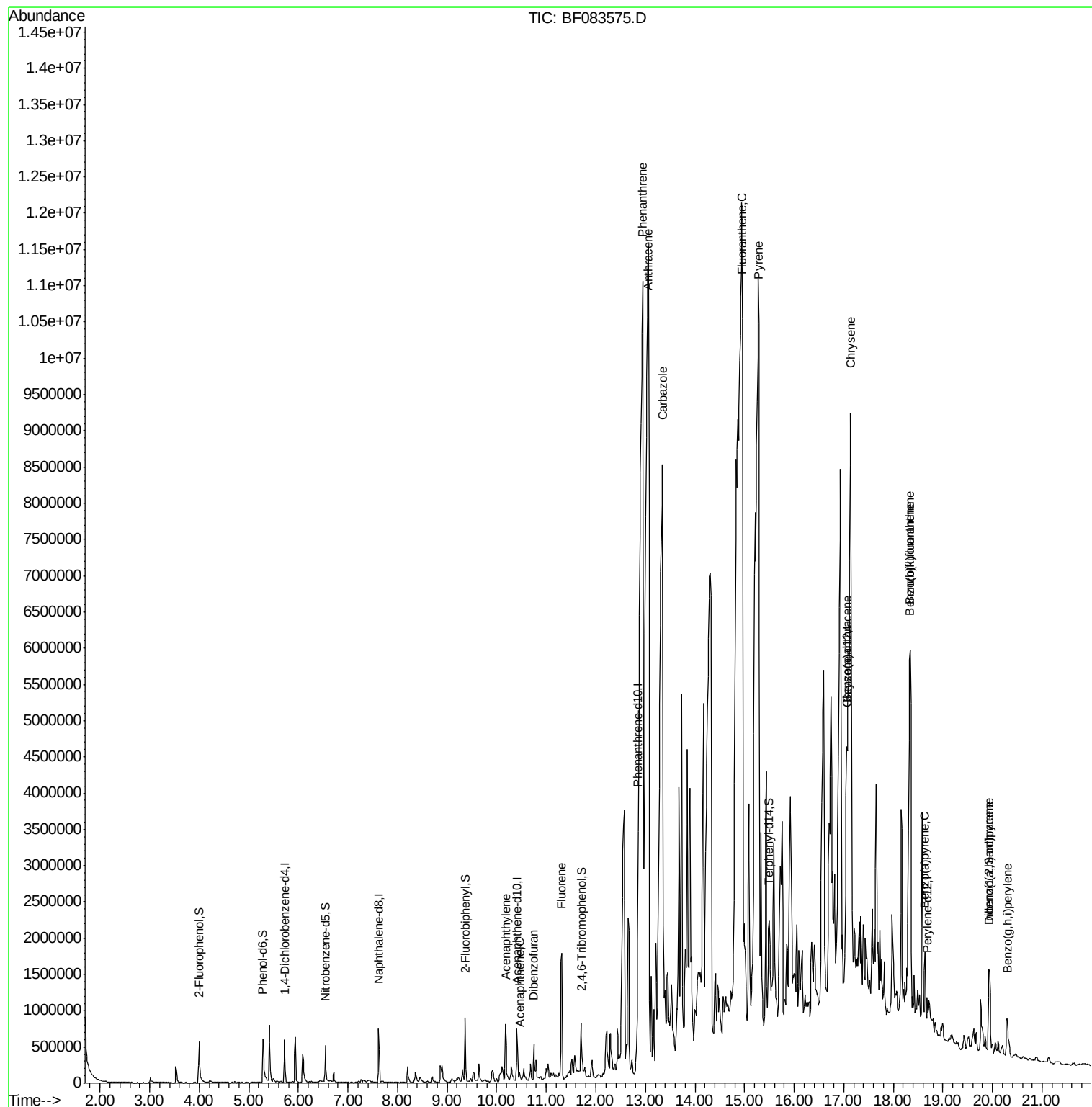
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083575.D
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ALS Vial : 18 Sample Multiplier: 1

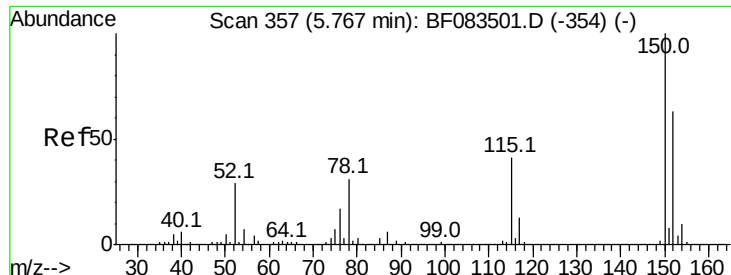
Instrument :
BNA_F
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SHED-EAST-WALL

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Quant Time: Dec 08 04:06:45 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

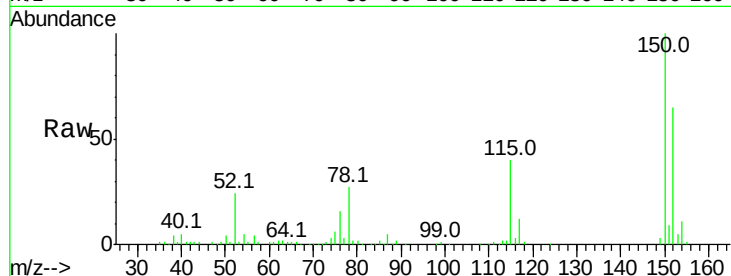
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.72 min Scan# 353
Delta R.T. -0.05 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.5	189.7
115	61.1	52.3	78.5

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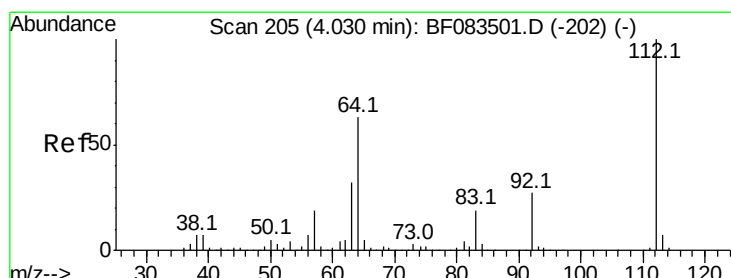
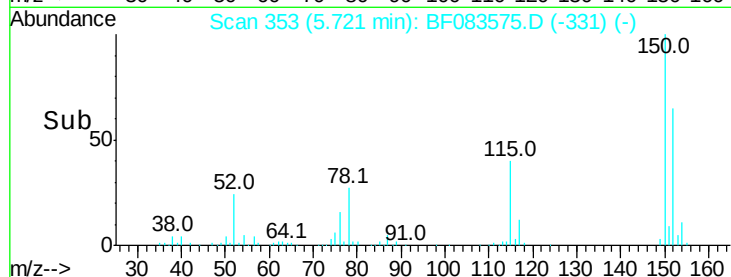
Abundance

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

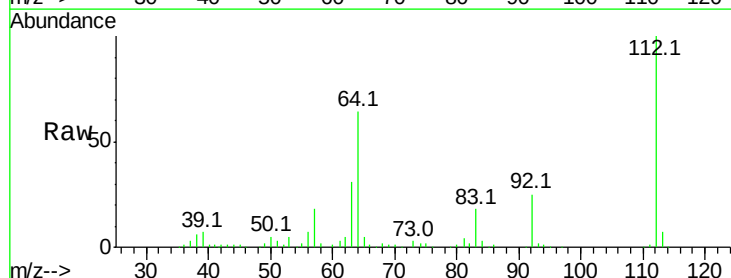
Time-->



#5

2-Fluorophenol
Concen: 35.19 ng
RT: 4.00 min Scan# 202
Delta R.T. -0.03 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	50.5	75.7
63	31.0	25.8	38.6



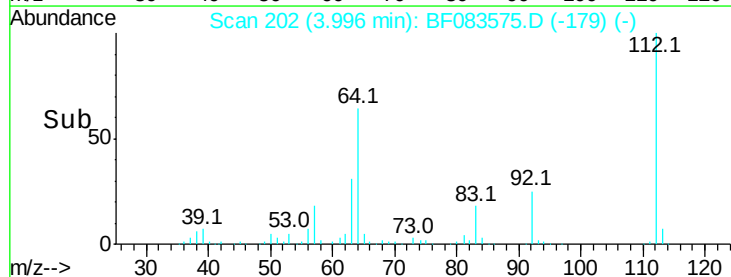
Abundance

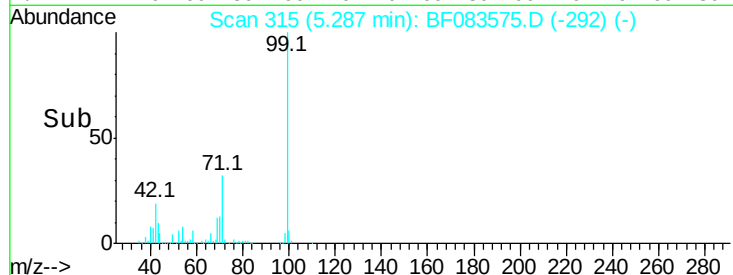
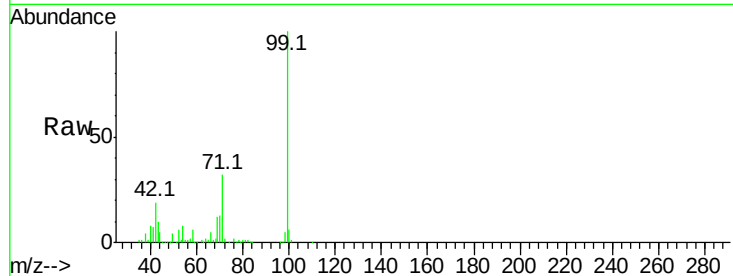
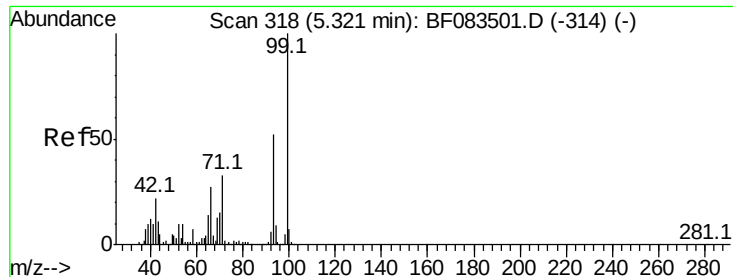
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 34.25 ng

RT: 5.29 min Scan# 315

Delta R.T. -0.03 min

Lab File: BF083575.D

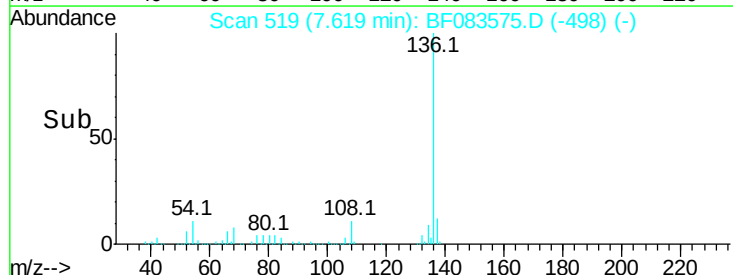
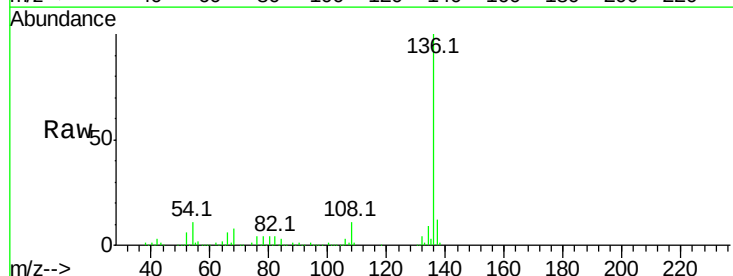
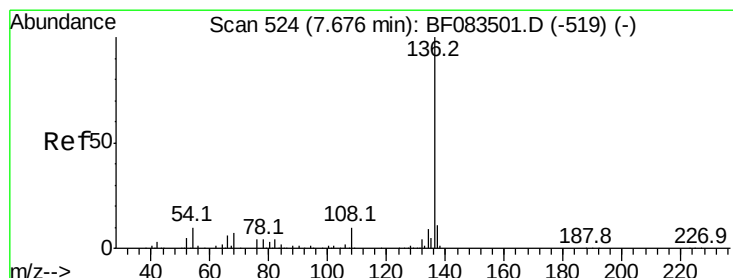
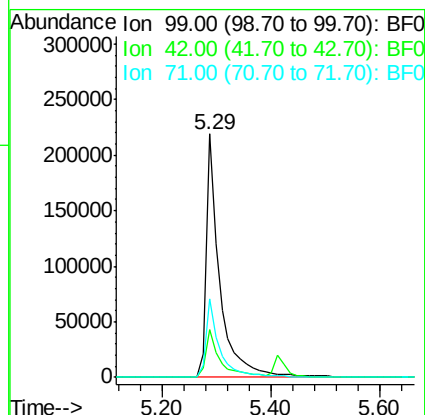
Acq: 8 Dec 2015 00:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		375029		
42	19.4	17.3	25.9		
71	32.3	26.6	40.0		

Instrument :
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ClientSampleId :
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#21

Naphthalene-d8

Concen: 20.00 ng

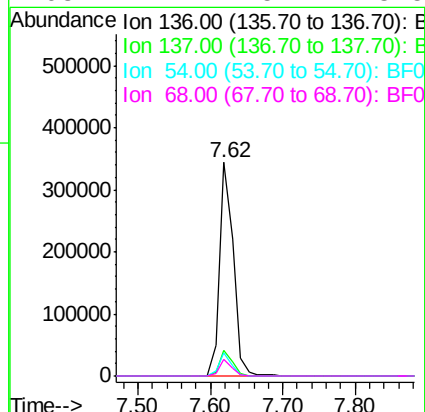
RT: 7.62 min Scan# 519

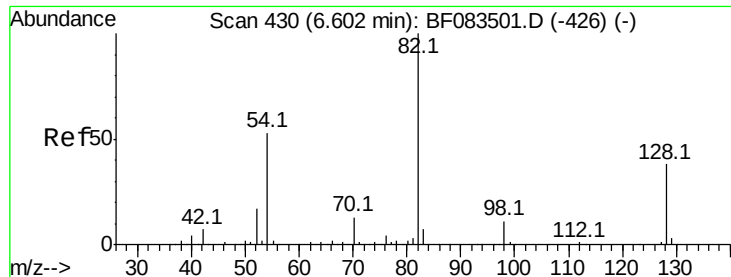
Delta R.T. -0.06 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		452902		
137	11.7	8.7	13.1		
54	10.8	7.8	11.6		
68	7.7	5.7	8.5		





#23

Nitrobenzene-d5

Concen: 24.16 ng

RT: 6.54 min Scan# 425

Delta R.T. -0.06 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

Instrument :

BNA_F

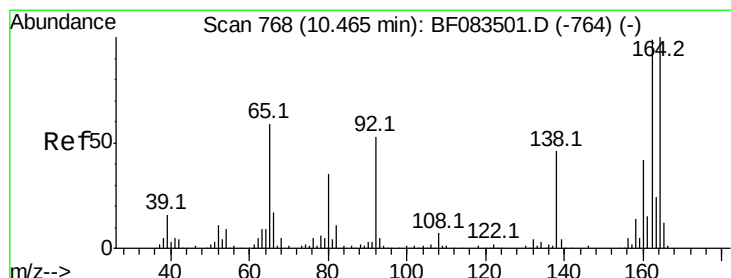
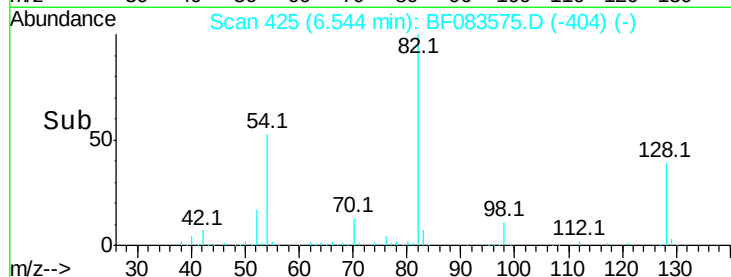
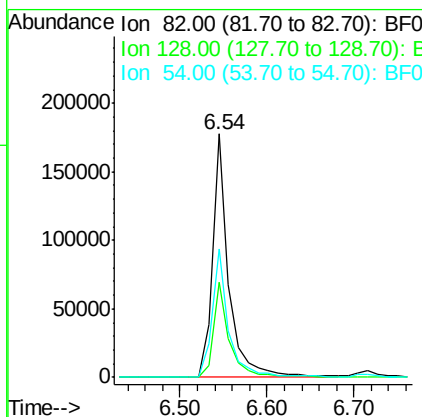
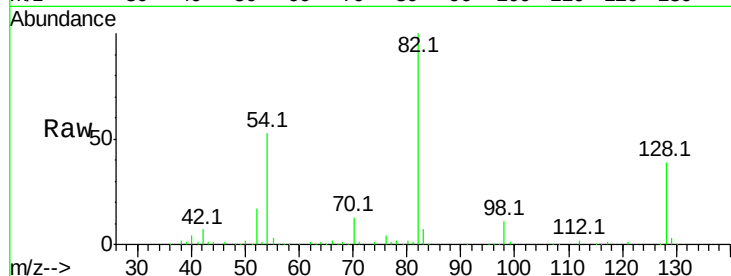
ClientSampleId :

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Tot Ion:	82	Resp:	234108
Ion Ratio	Lower	Upper	
82	100		
128	39.3	30.7	46.1
54	52.8	42.5	63.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

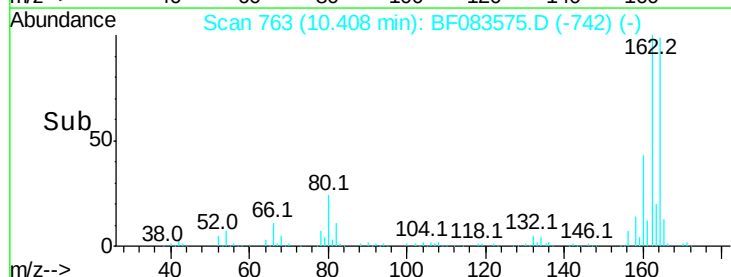
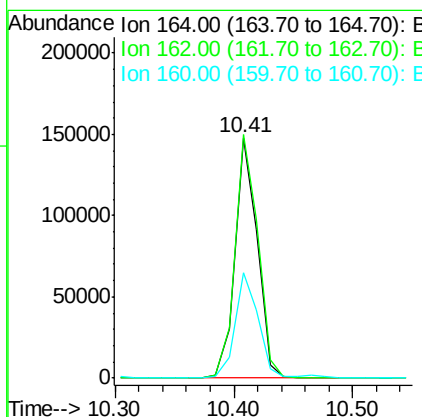
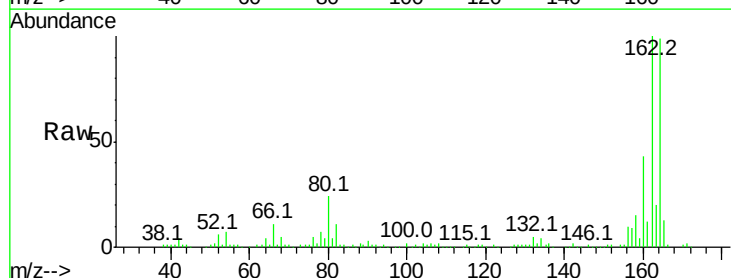
RT: 10.41 min Scan# 763

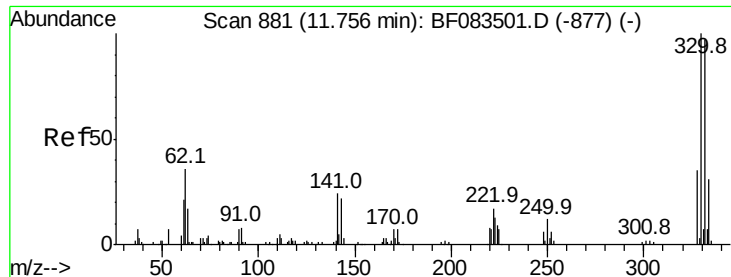
Delta R.T. -0.06 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

Tgt Ion:	164	Resp:	192736
Ion Ratio	Lower	Upper	
164	100		
162	101.5	78.8	118.2
160	44.0	33.4	50.2





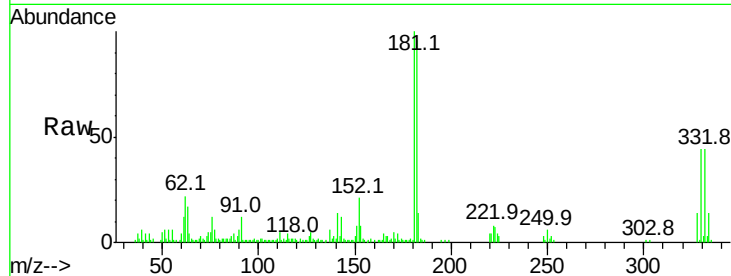
#41
 2,4,6-Tribromophenol
 Concen: 30.05 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	99.2	0.0	0.0#
141	43.9	0.0	0.0#

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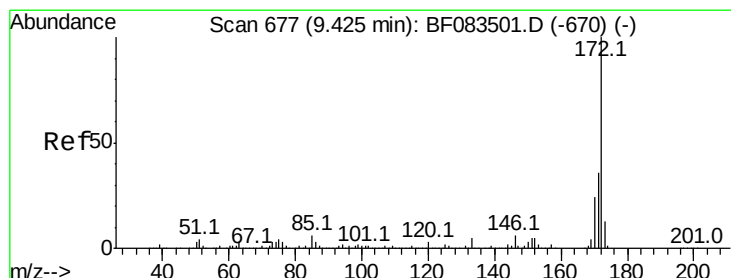
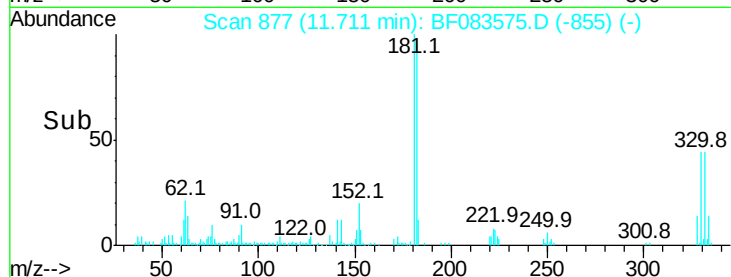
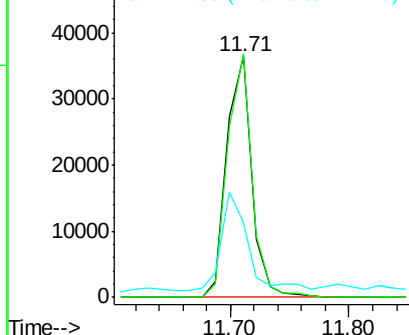


Abundance

Ion 329.80 (329.50 to 330.50): E

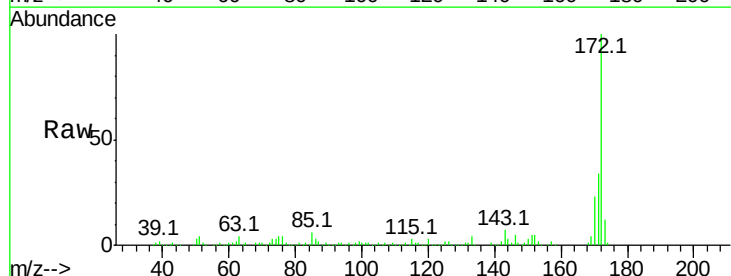
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.99 ng
 RT: 9.37 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.1	28.6	42.8
170	23.0	19.4	29.0

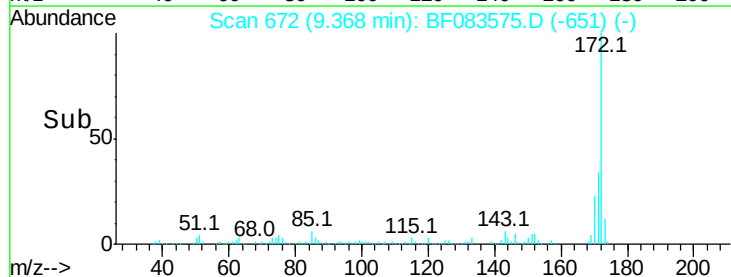
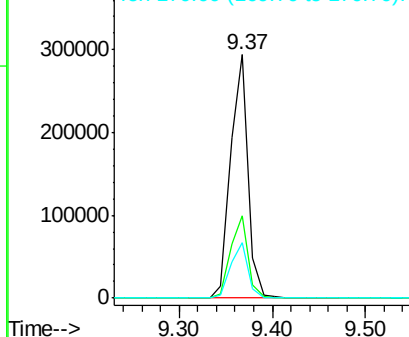


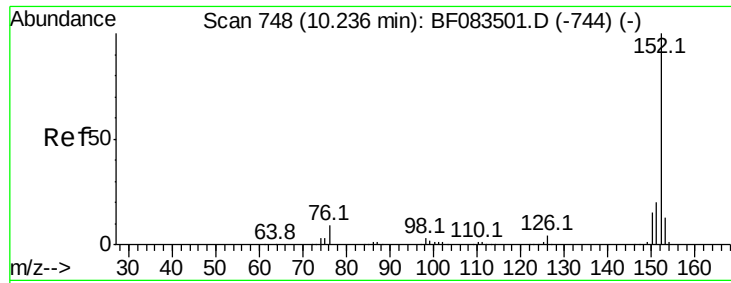
Abundance

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





#48

Acenaphthylene

Concen: 20.51 ng

RT: 10.18 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF083575.D

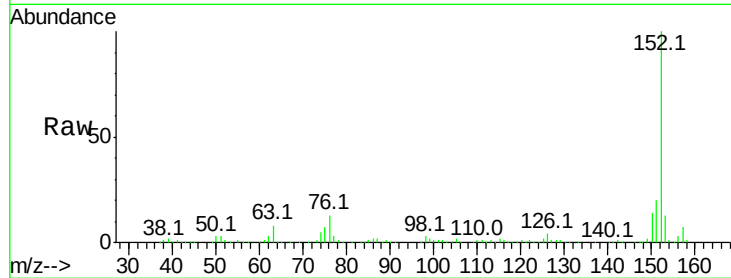
Acq: 8 Dec 2015 00:27

Instrument :

BNA_F

ClientSampleId :

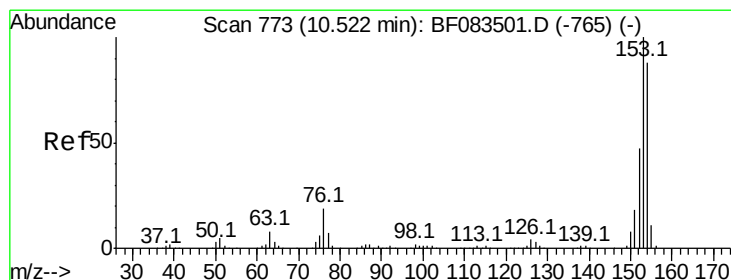
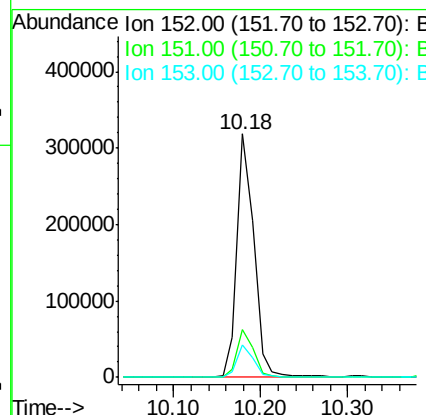
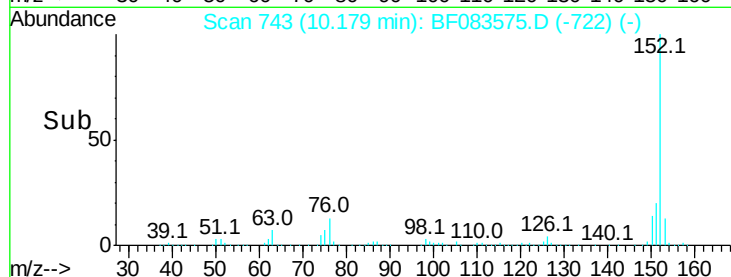
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Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.7	16.3	24.5	
153	13.2	10.8	16.2	

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#51

Acenaphthene

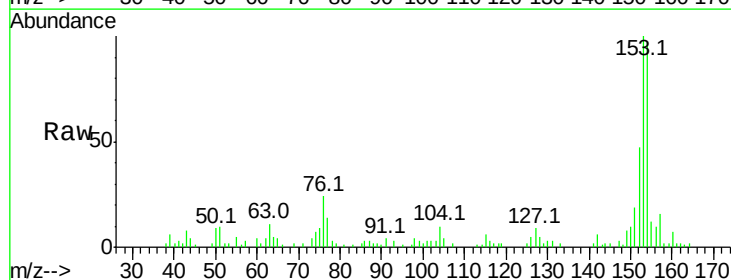
Concen: 2.70 ng

RT: 10.46 min Scan# 768

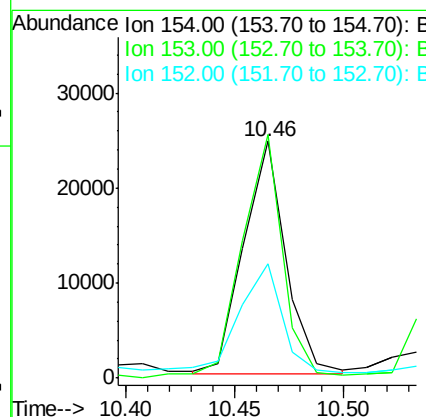
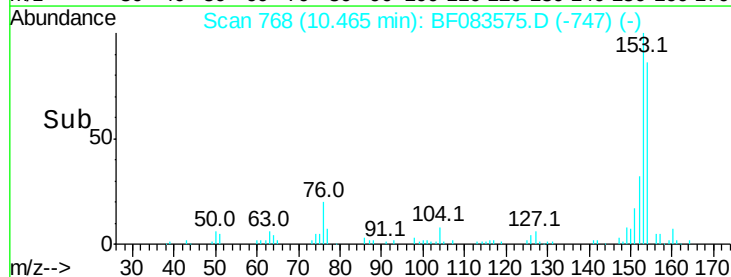
Delta R.T. -0.06 min

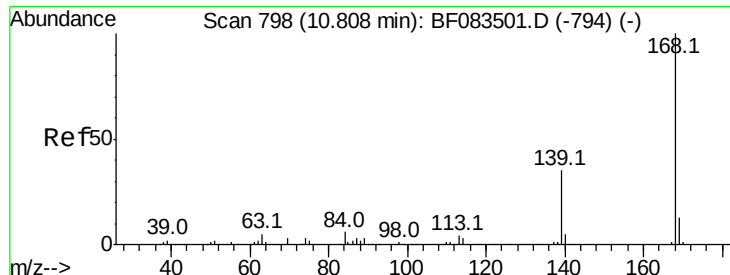
Lab File: BF083575.D

Acq: 8 Dec 2015 00:27



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	102.8	91.4	137.0	
152	48.5	43.4	65.2	





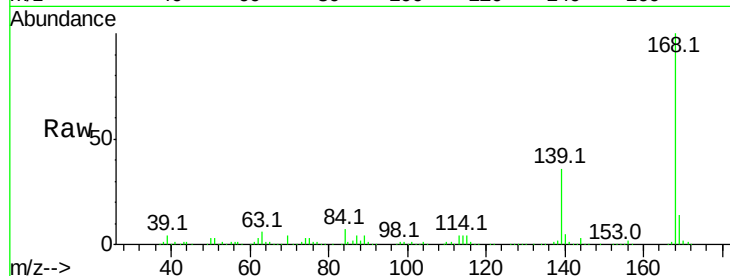
#54
Dibenzofuran
Concen: 14.88 ng
RT: 10.75 min Scan# 793
Delta R.T. -0.06 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

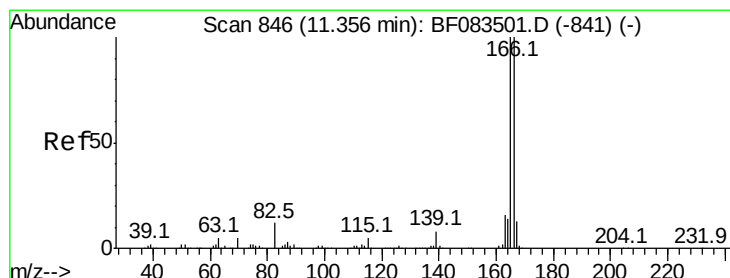
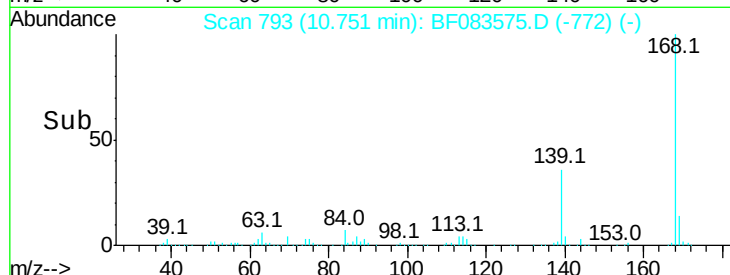
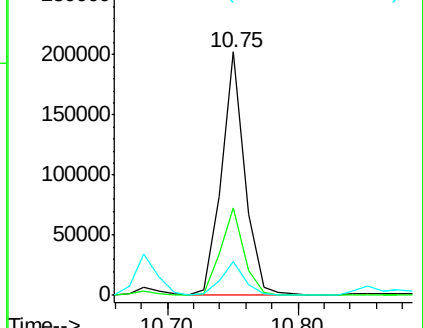
Tot Ion	Ratio	Resp	Lower	Upper
168	100	250685		
139	36.2		28.0	42.0
169	13.6		10.8	16.2

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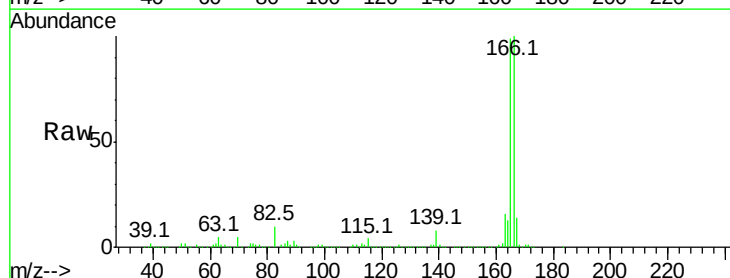


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

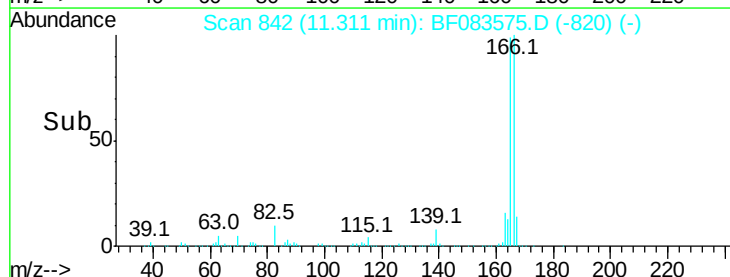
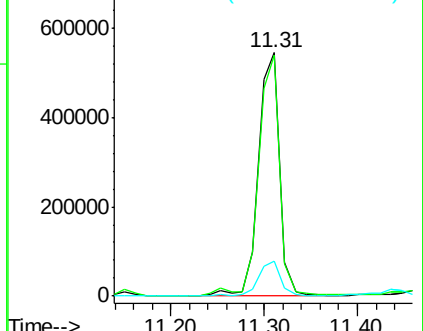


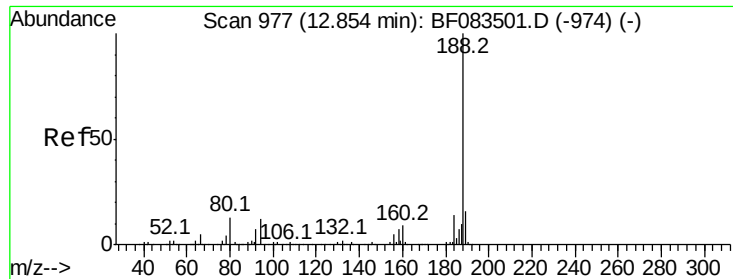
#57
Fluorene
Concen: 58.69 ng
RT: 11.31 min Scan# 842
Delta R.T. -0.05 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	860256		
165	99.0		80.0	120.0
167	14.1		10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.85 min Scan# 977

Delta R.T. 0.00 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

Instrument :

BNA_F

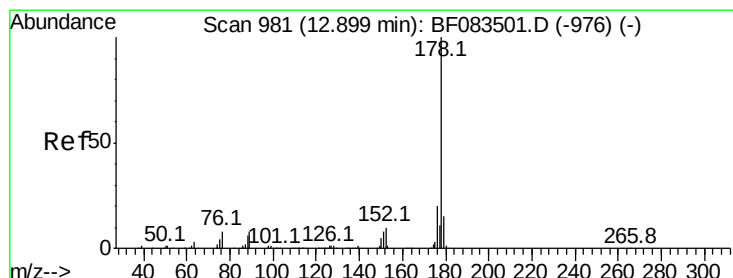
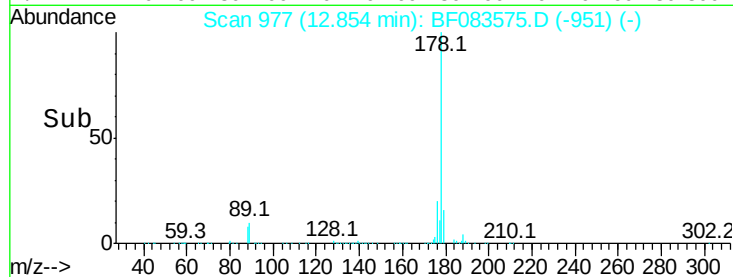
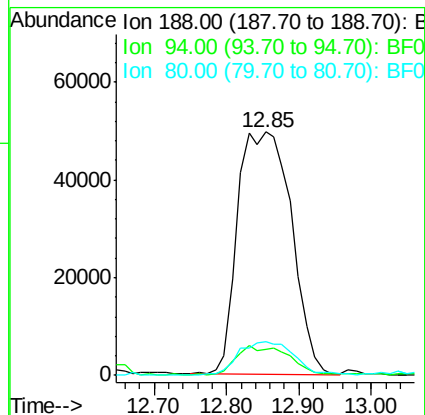
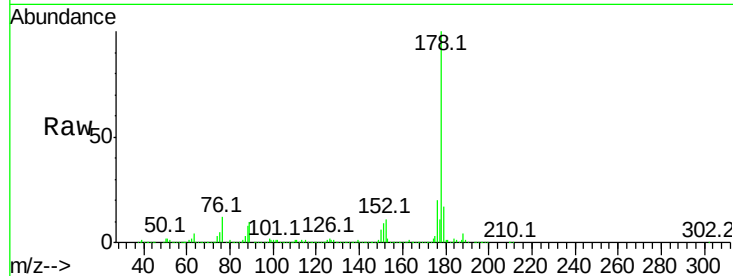
ClientSampleId :

SHED-EAST-WALL

Tot Ion:	188	Resp:	256456
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.4	14.2
80	13.9	10.6	16.0

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#70

Phenanthrene

Concen: 1395.89 ng

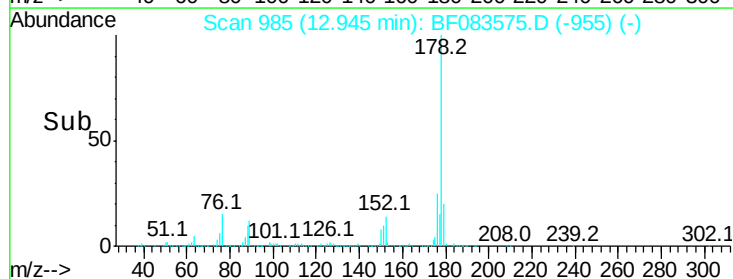
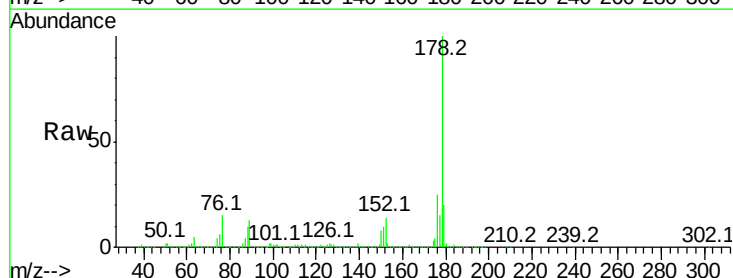
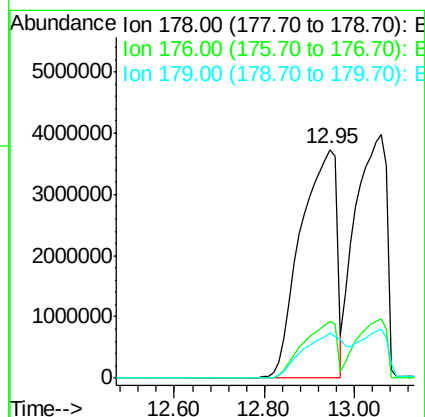
RT: 12.95 min Scan# 985

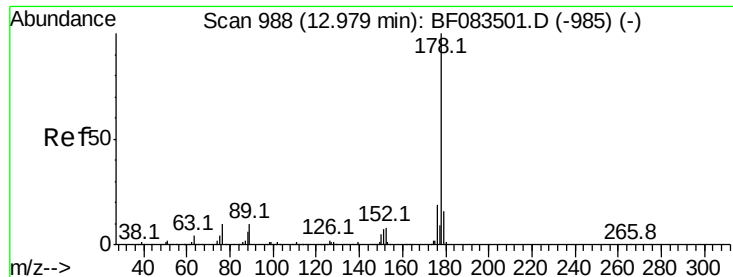
Delta R.T. 0.05 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

Tgt Ion:	178	Resp:	20837251
Ion Ratio	Lower	Upper	
178	100		
176	25.0	15.7	23.5#
179	19.8	12.2	18.4#





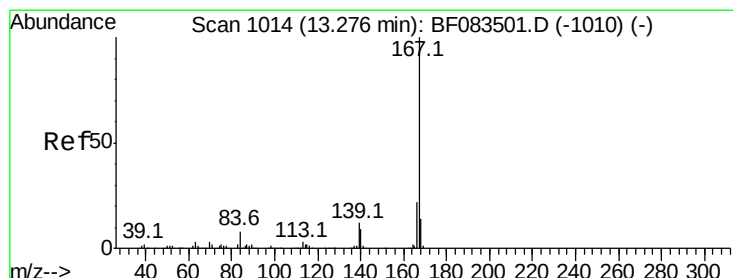
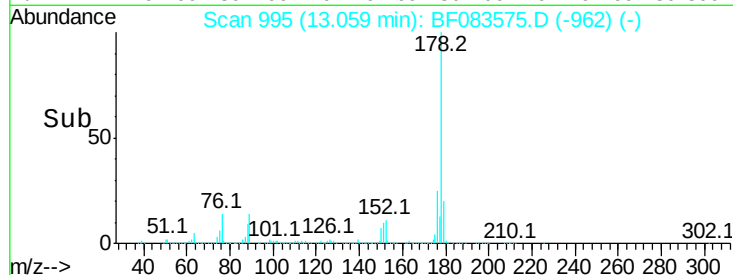
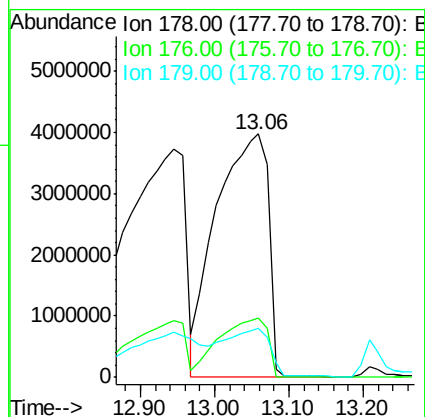
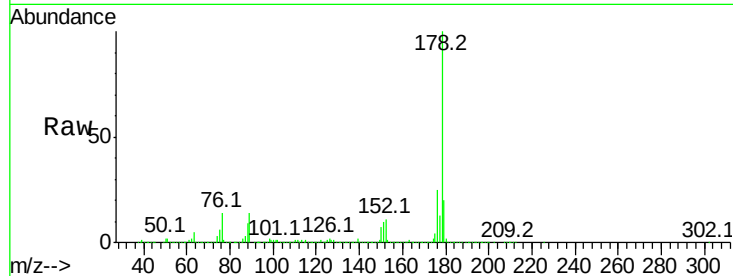
#71
 Anthracene
 Concen: 1272.47 ng m
 RT: 13.06 min Scan# 995
 Delta R.T. 0.08 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

Tot Ion:178 Resp:19372127
 Ion Ratio Lower Upper
 178 100
 176 24.5 15.2 22.8#
 179 20.2 12.6 18.8#

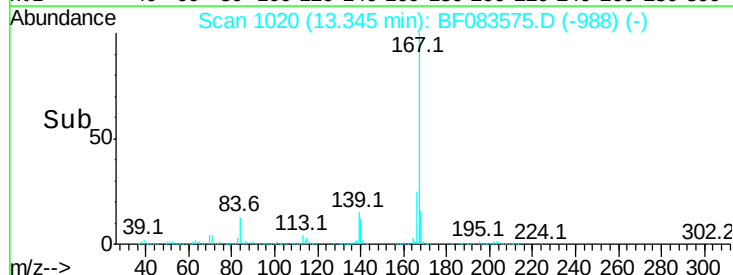
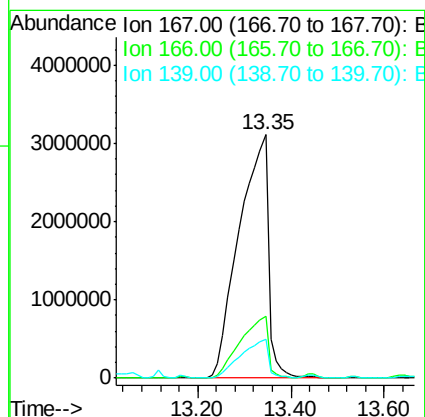
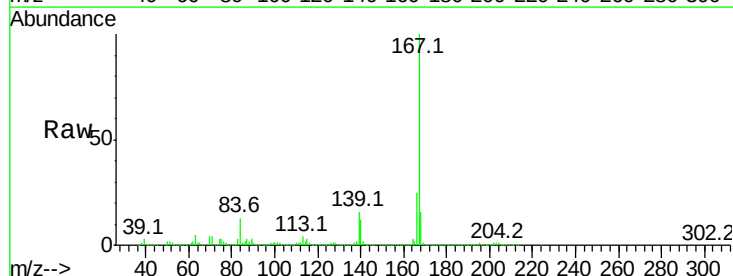
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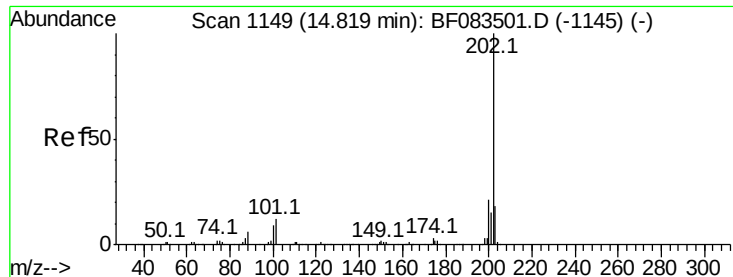
Mmdadoda
 12/8/2015 6:15:48 PM



#72
 Carbazole
 Concen: 1030.49 ng
 RT: 13.35 min Scan# 1020
 Delta R.T. 0.07 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Tgt Ion:167 Resp:13471461
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.2 25.8
 139 15.9 9.3 13.9#





#74

Fluoranthene

Concen: 1932.17 ng

RT: 14.96 min Scan# 1161

Delta R.T. 0.14 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALL

Tot Ion:202 Resp:28585486

Ion Ratio Lower Upper

202 100

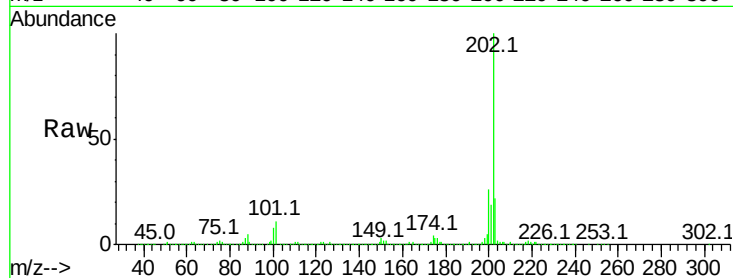
101 11.2 0.0 31.5

203 21.7 0.0 37.6

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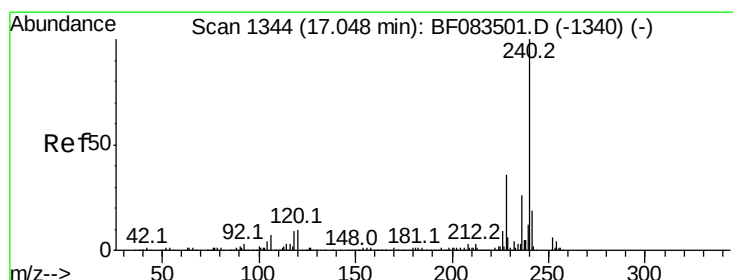
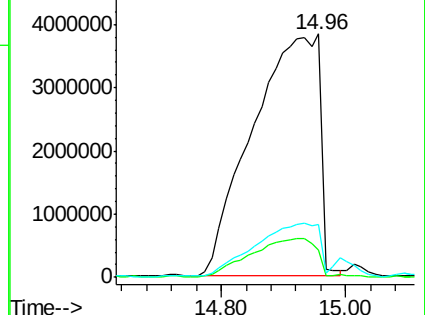
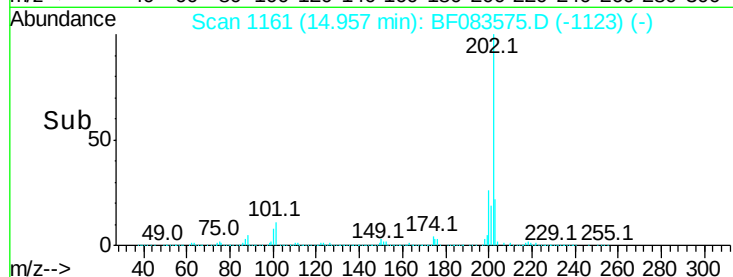
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.07 min Scan# 1346

Delta R.T. 0.02 min

Lab File: BF083575.D

Acq: 8 Dec 2015 00:27

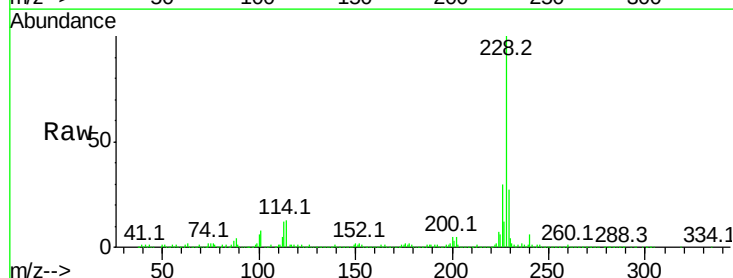
Tgt Ion:240 Resp: 243313

Ion Ratio Lower Upper

240 100

120 13.0 8.1 12.1#

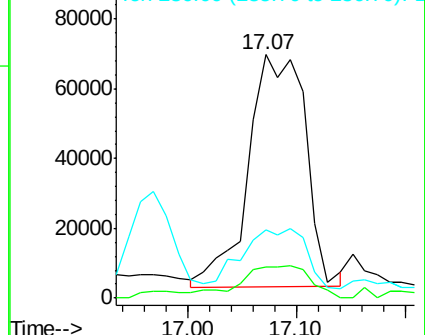
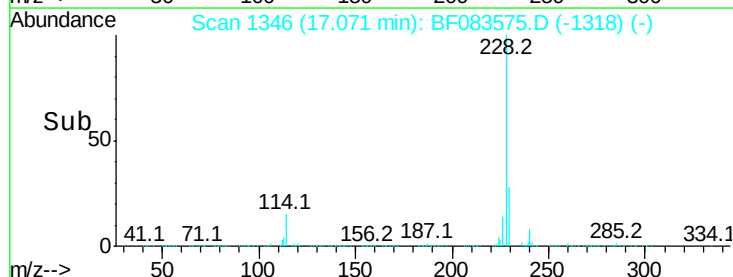
236 28.1 20.8 31.2

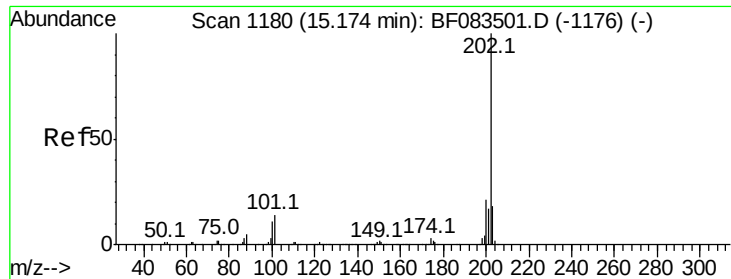


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





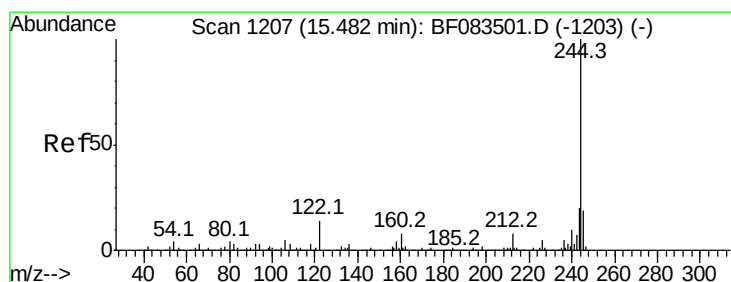
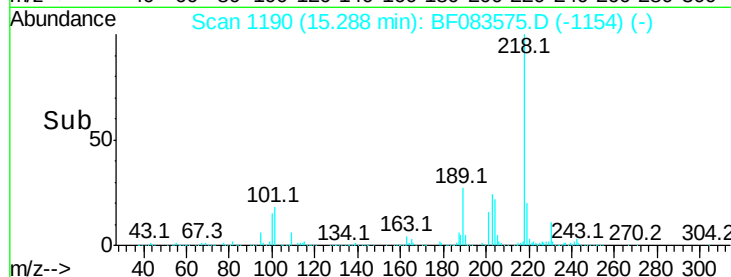
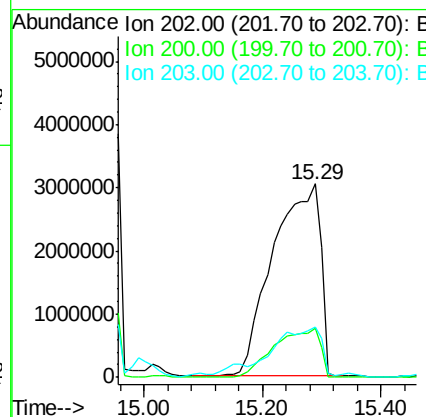
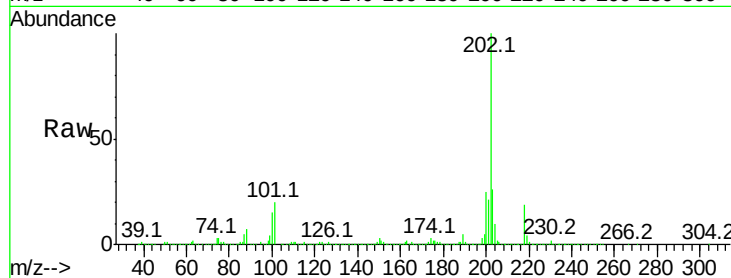
#77
Pvrene
Concen: 930.71 ng
RT: 15.29 min Scan# 1190
Delta R.T. 0.11 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

Tot Ion:202 Resp:16940241
Ion Ratio Lower Upper
202 100
200 25.2 16.7 25.1#
203 25.8 14.3 21.5#

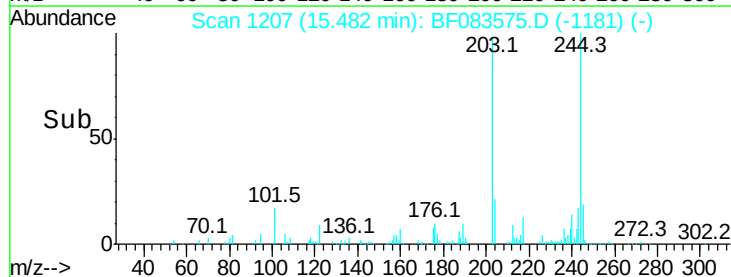
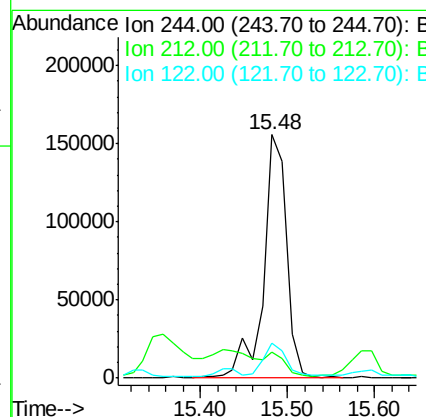
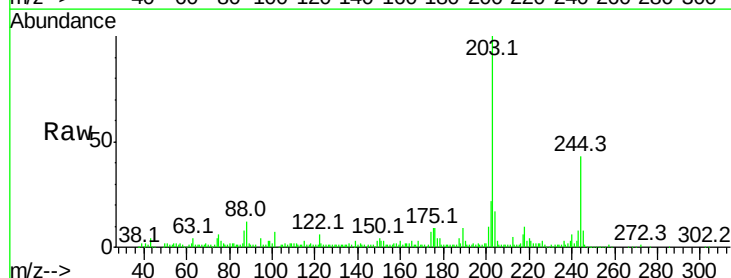
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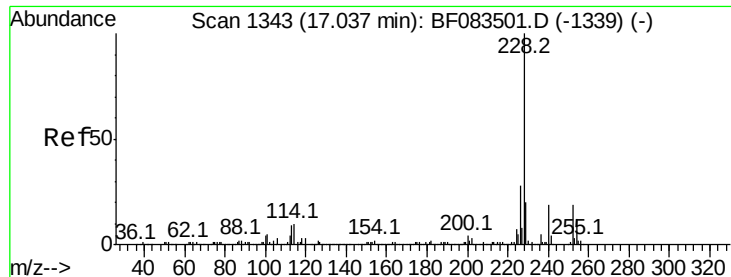
Mmdadoda
12/8/2015 6:15:48 PM



#78
Terphenyl-d14
Concen: 26.06 ng
RT: 15.48 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Tgt Ion:244 Resp: 284902
Ion Ratio Lower Upper
244 100
212 10.5 6.1 9.1#
122 14.3 11.0 16.6





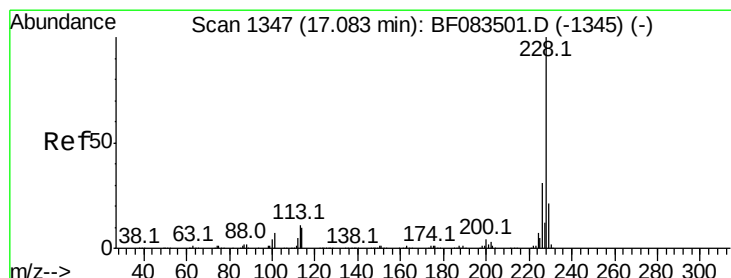
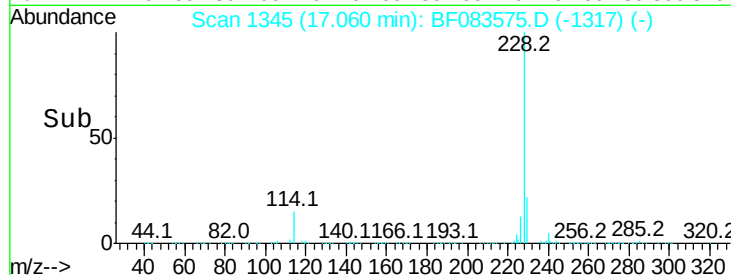
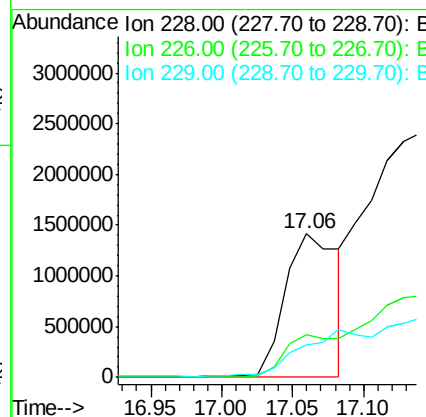
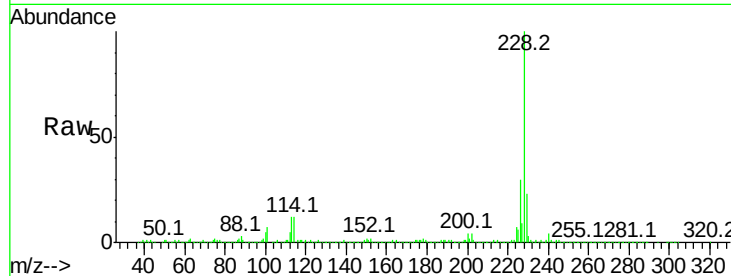
#80
Benzo(a)anthracene
Concen: 263.52 ng m
RT: 17.06 min Scan# 1345
Delta R.T. 0.02 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

Tot Ion:228 Resp: 3751413
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 22.5 15.7 23.5

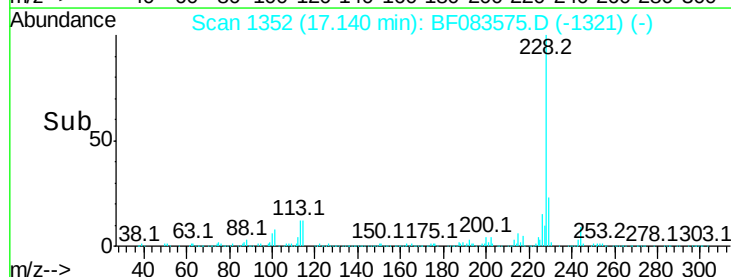
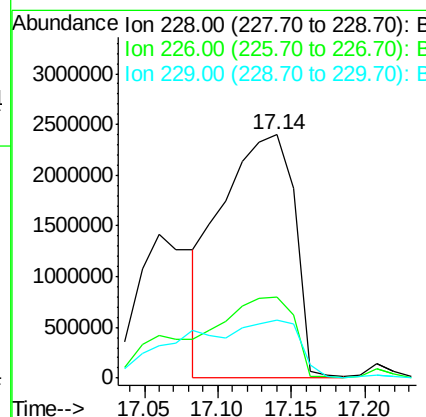
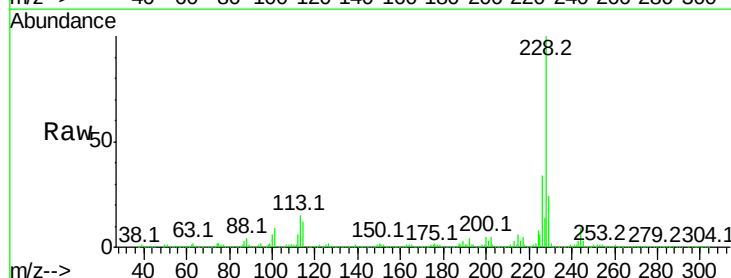
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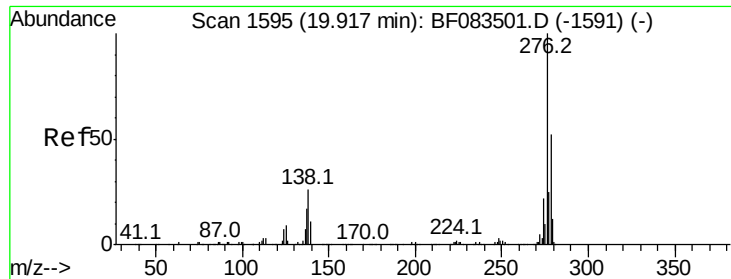
Mmdadoda
12/8/2015 6:15:48 PM



#82
Chrysene
Concen: 585.68 ng m
RT: 17.14 min Scan# 1352
Delta R.T. 0.06 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Tgt Ion:228 Resp: 8306171
Ion Ratio Lower Upper
228 100
226 33.5 24.7 37.1
229 24.0 16.3 24.5





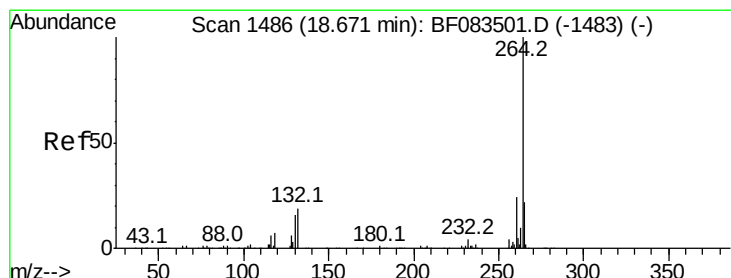
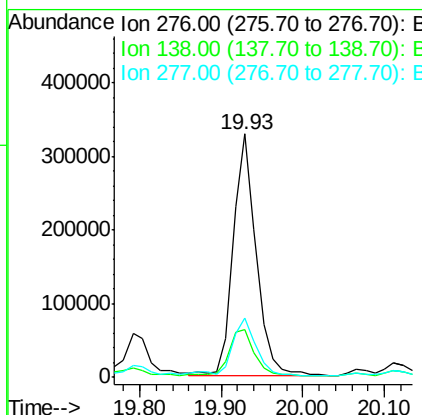
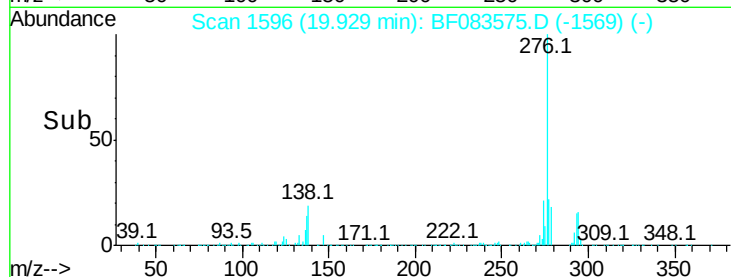
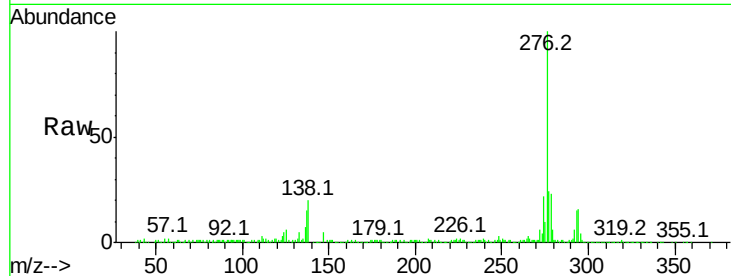
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.74 ng
 RT: 19.93 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	21.9	0.0	0.0#
277	26.0	0.0	0.0#

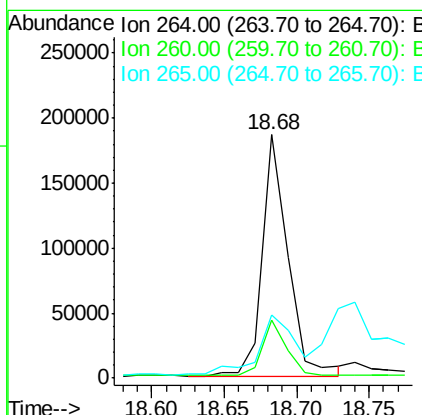
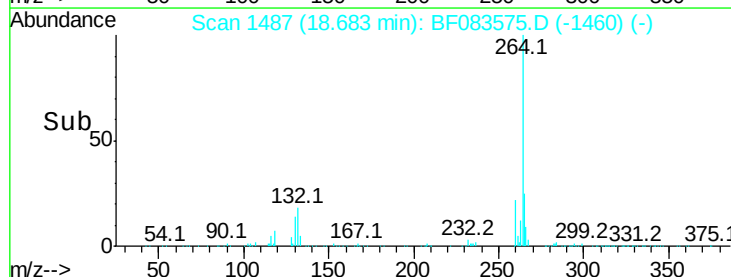
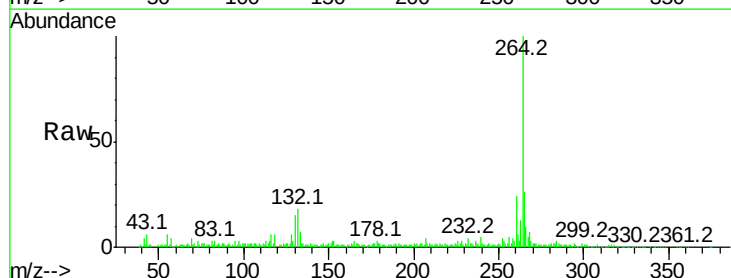
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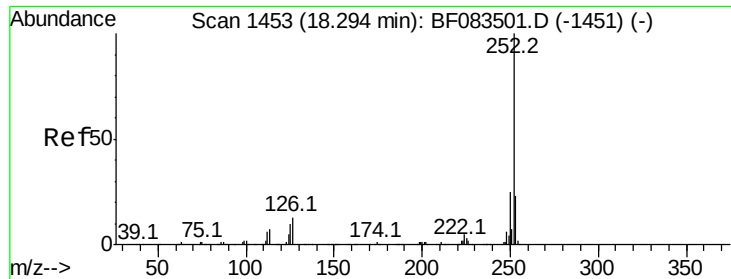
Mmdadoda
 12/8/2015 6:15:48 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.7	19.4	29.0
265	25.9	17.8	26.6





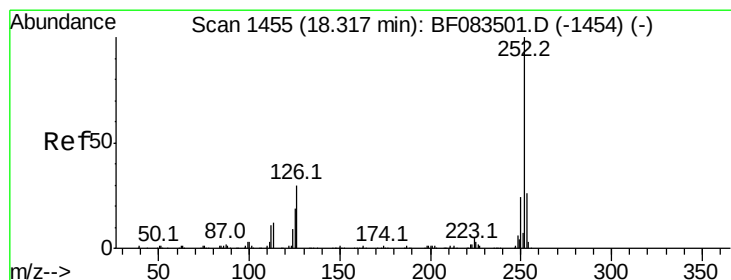
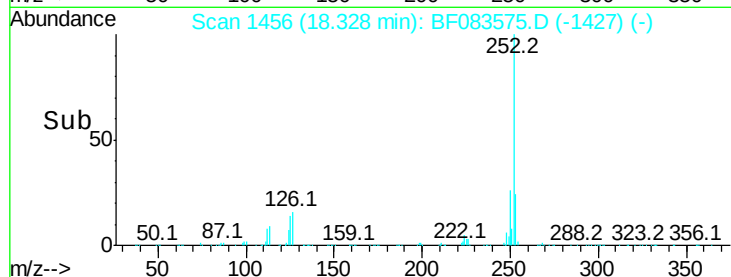
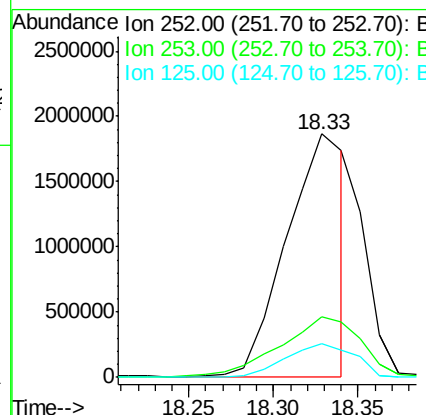
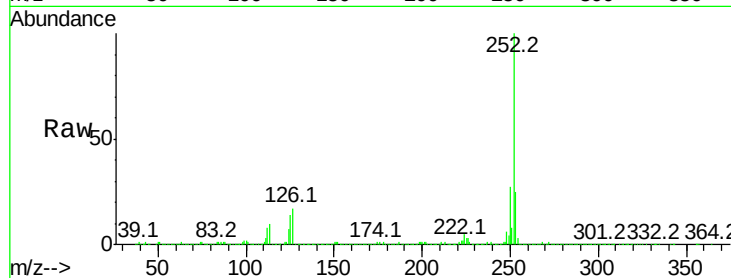
#87
Benzo(b)fluoranthene
Concen: 352.03 ng m
RT: 18.33 min Scan# 1456
Delta R.T. 0.03 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.4
125	13.8	8.2	12.4

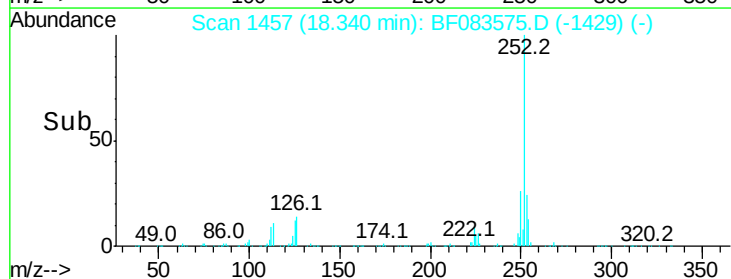
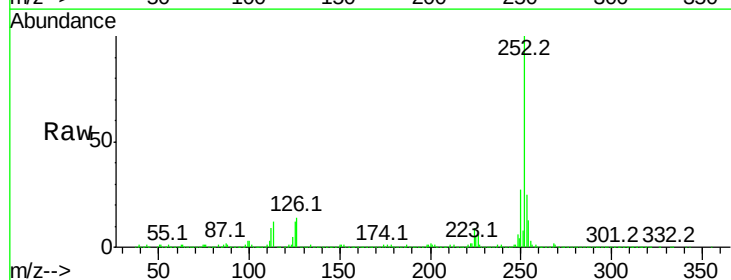
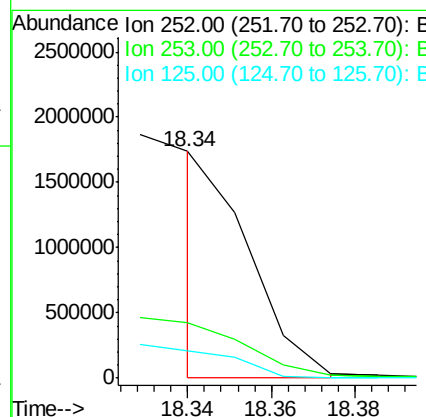
Manual Integrations
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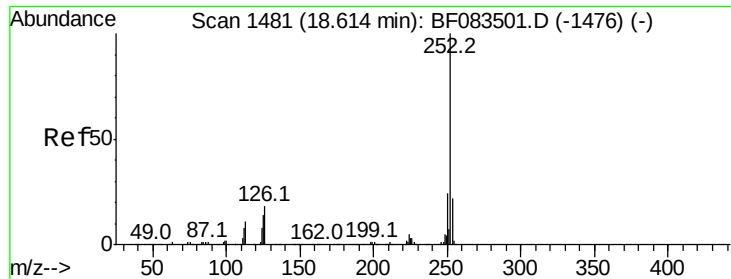
Mmdadoda
12/8/2015 6:15:48 PM



#88
Benzo(k)fluoranthene
Concen: 84.46 ng m
RT: 18.34 min Scan# 1457
Delta R.T. 0.02 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.6	27.8
125	11.8	11.5	17.3





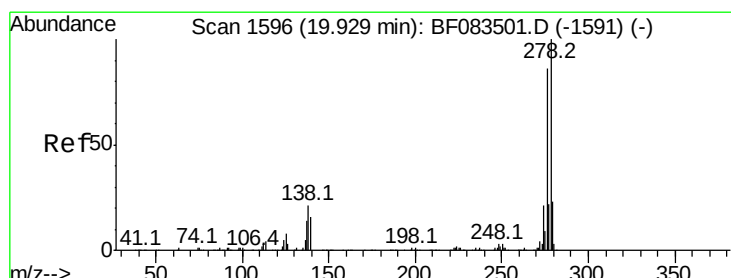
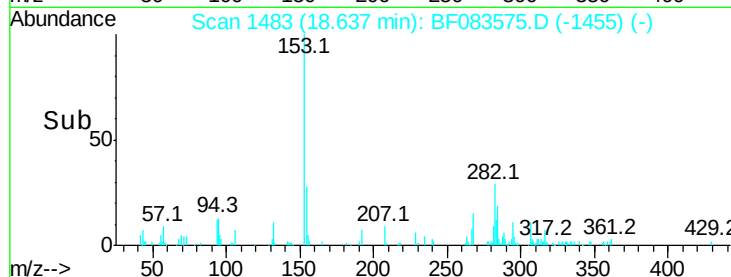
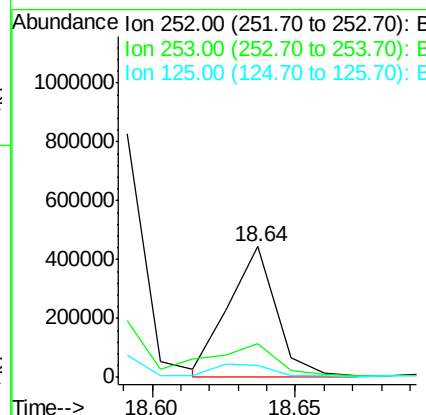
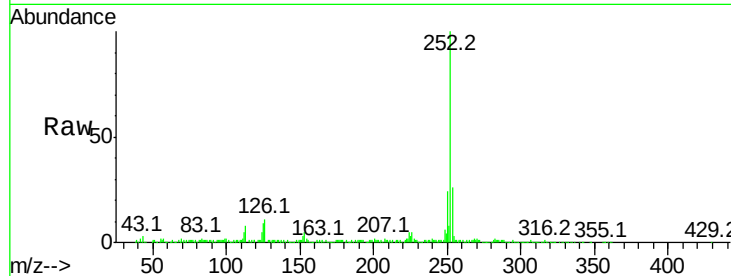
#89
Benzo(a)pyrene
Concen: 41.52 ng m
RT: 18.64 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	9.4	11.0	16.6

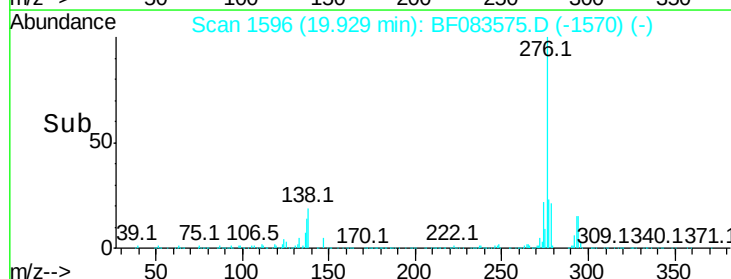
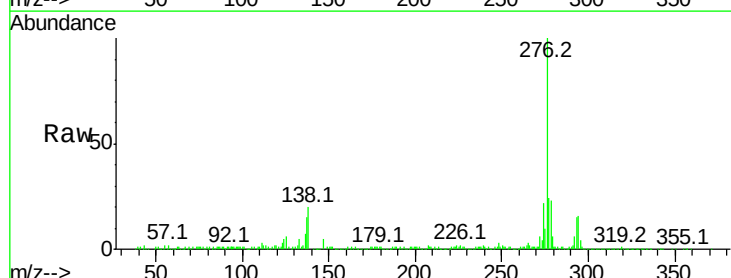
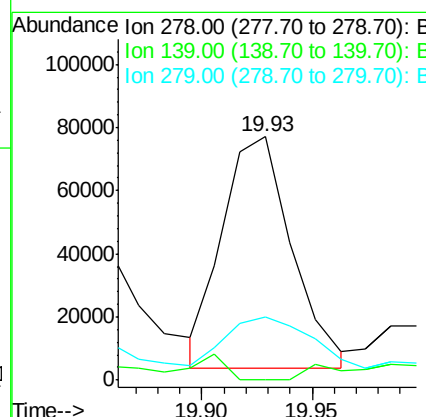
Manual Integrations
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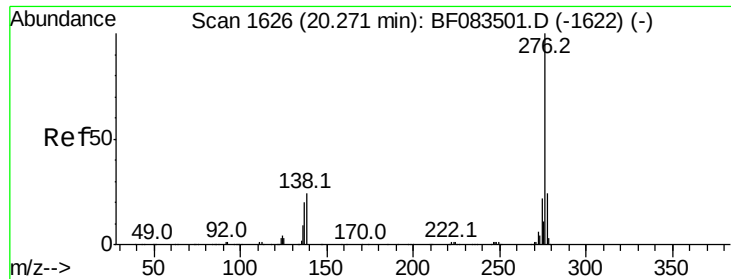
Mmdadoda
12/8/2015 6:15:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 13.31 ng m
RT: 19.93 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF083575.D
Acq: 8 Dec 2015 00:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2
279	25.8	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 36.55 ng
 RT: 20.29 min Scan# 1628
 Delta R.T. 0.02 min
 Lab File: BF083575.D
 Acq: 8 Dec 2015 00:27

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	19.7	19.5	29.3

Manual Integrations
 APPROVED

Mmdadoda
 12/8/2015 6:15:48 PM

