

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077493.D
 Acq On : 27 Feb 2015 6:26
 Operator : TP/IZ
 Sample : G1385-15
 Misc : S
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15-D4

Manual Integrations
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Quant Time: Feb 27 11:44:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 07:02:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	77604	20.00	ng	0.00
21) Naphthalene-d8	8.85	136	313374	20.00	ng	0.00
38) Acenaphthene-d10	11.02	164	166638	20.00	ng	0.00
63) Phenanthrene-d10	12.87	188	337104	20.00	ng	0.00
75) Chrysene-d12	16.18	240	383021	20.00	ng	0.03
86) Perylene-d12	17.99	264	352076	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	323211	69.53	ng	0.01
7) Phenol-d6	6.83	99	444238	74.33	ng	0.00
23) Nitrobenzene-d5	7.96	82	266100	52.80	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	112602	70.18	ng	0.00
44) 2-Fluorobiphenyl	10.19	172	527404	49.35	ng	0.00
78) Terphenyl-d14	14.86	244	686147	41.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.70	163	34073	2.91	ng	99
51) Acenaphthene	11.06	154	35448	3.79	ng	95
54) Dibenzofuran	11.28	168	36735	2.54	ng	99
57) Fluorene	11.70	166	52570	4.55	ng	99
70) Phenanthrene	12.90	178	780091	39.93	ng	99
71) Anthracene	12.96	178	217032	11.19	ng	98
72) Carbazole	13.16	167	91823	4.98	ng	100
74) Fluoranthene	14.38	202	1147528	53.77	ng	97
77) Pyrene	14.66	202	1023157	43.67	ng	99
80) Benzo(a)anthracene	16.16	228	598848	26.68	ng	97
82) Chrysene	16.20	228	518192	24.58	ng	96
87) Benzo(b)fluoranthene	17.52	252	679420m	33.19	ng	
88) Benzo(k)fluoranthene	17.55	252	181499m	9.05	ng	
89) Benzo(a)pyrene	17.92	252	433688	22.24	ng	98
90) Dibenzo(a,h)anthracene	19.48	278	66023	3.55	ng	# 90
91) Benzo(g,h,i)perylene	19.89	276	252284	13.44	ng	96

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

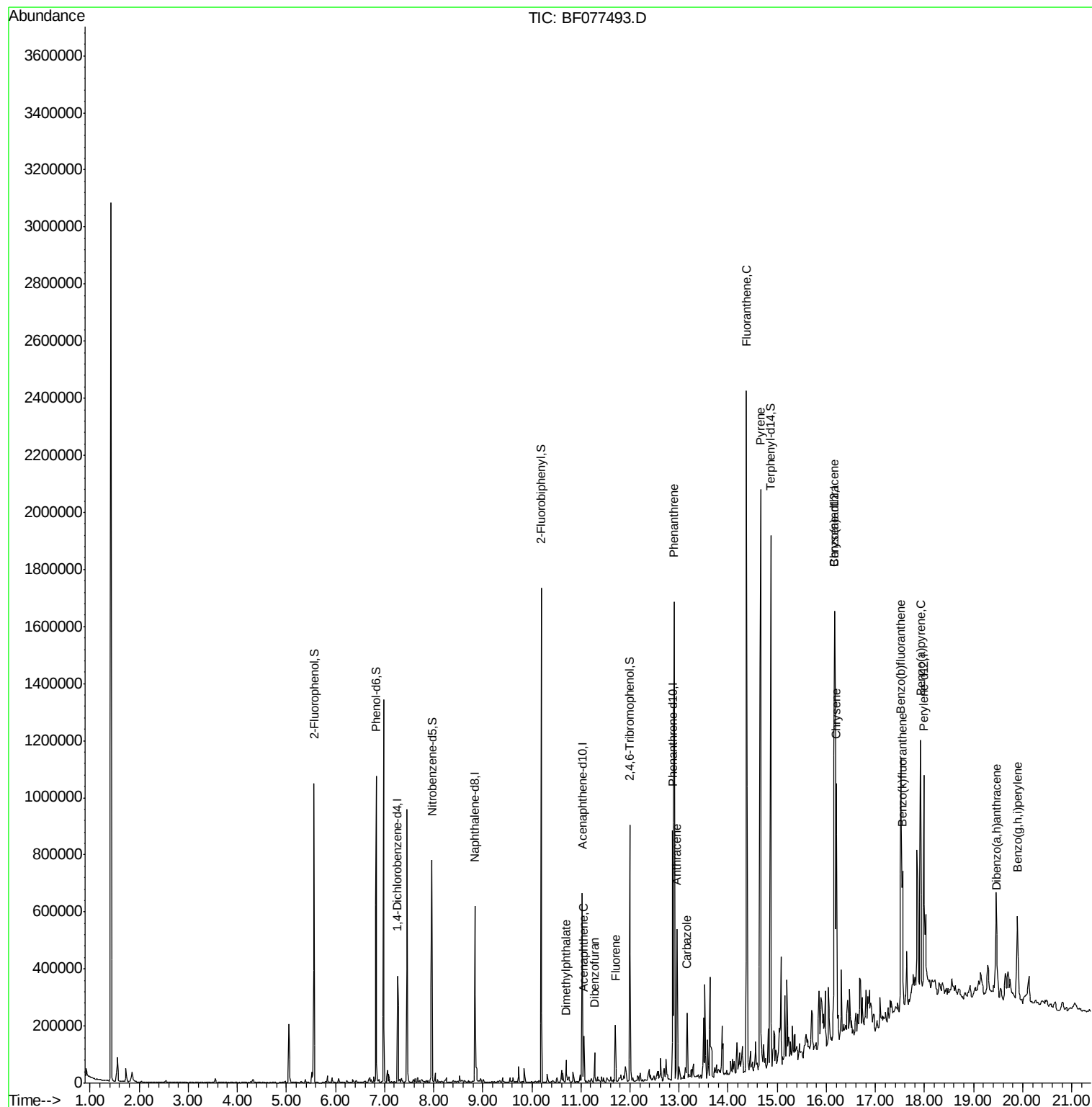
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
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ALS Vial : 31 Sample Multiplier: 1

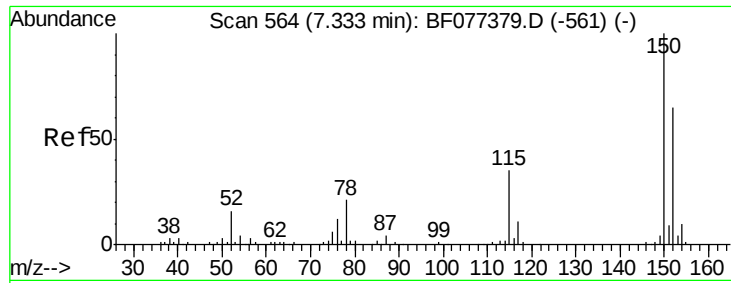
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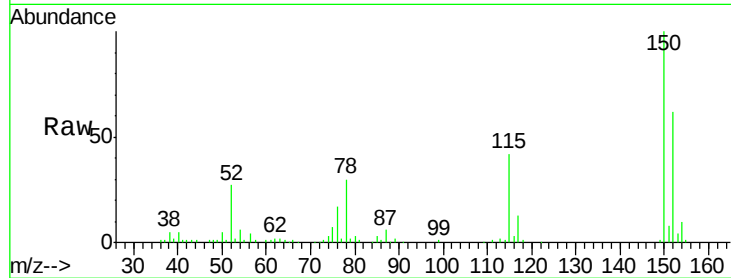




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

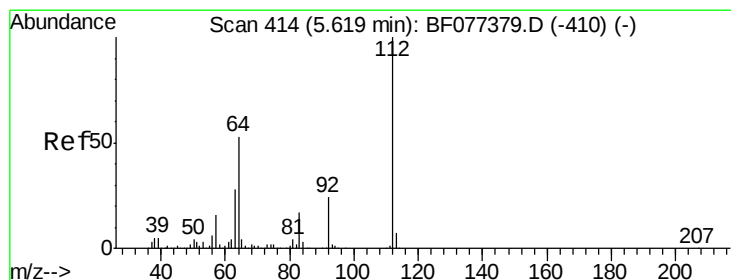
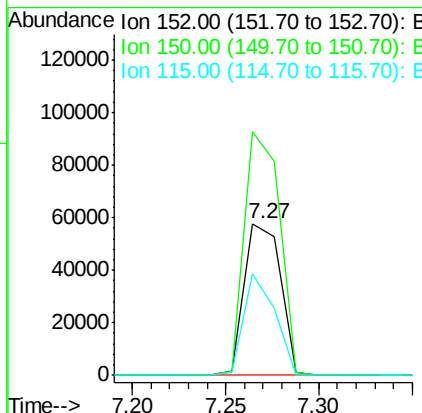
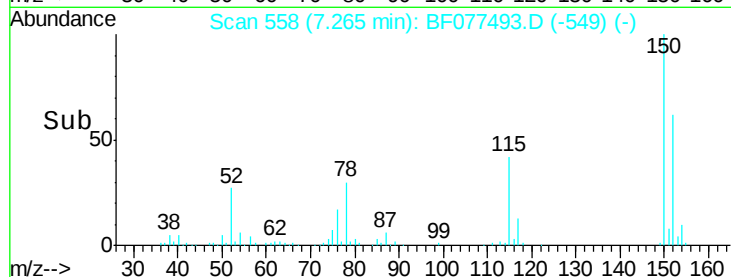
Instrument :
BNA_F
ClientSampleId :
B-15-D4



Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.0	186.0
115	66.7	49.4	74.2

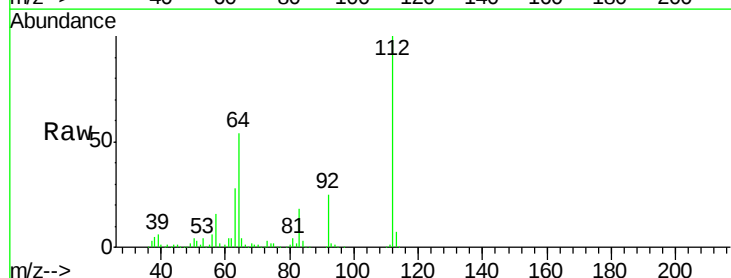
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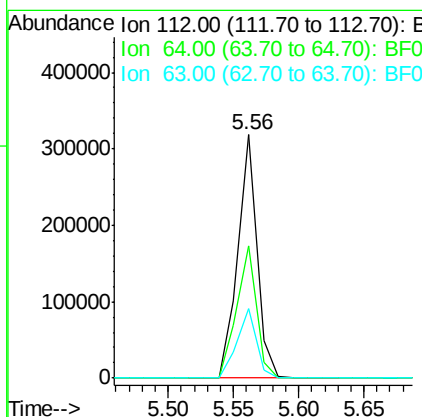
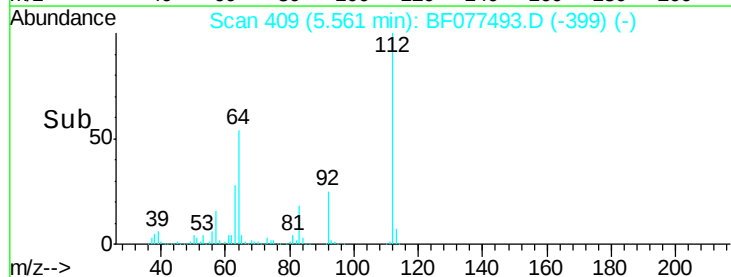


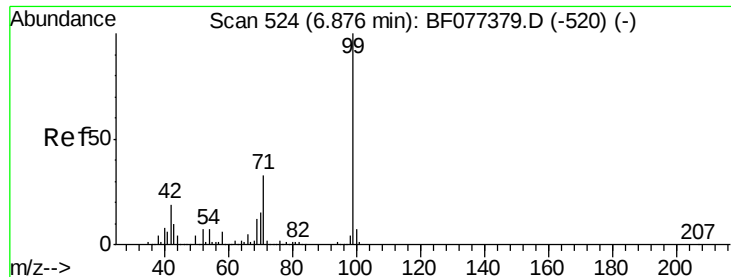
#5

2-Fluorophenol
Concen: 69.53 ng
RT: 5.56 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26



Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	48.5	72.7
63	28.4	25.0	37.4





#7

Phenol-d6

Concen: 74.33 ng

RT: 6.83 min Scan# 520

Delta R.T. 0.01 min

Lab File: BF077493.D

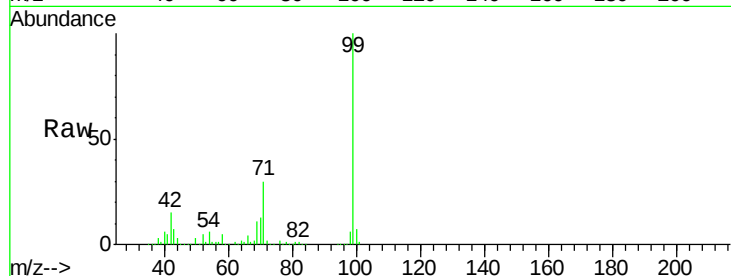
Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampled :

B-15-D4



Tgt Ion: 99 Resp: 444238

Ion Ratio Lower Upper

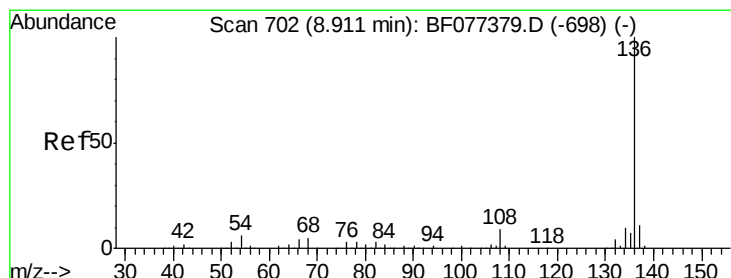
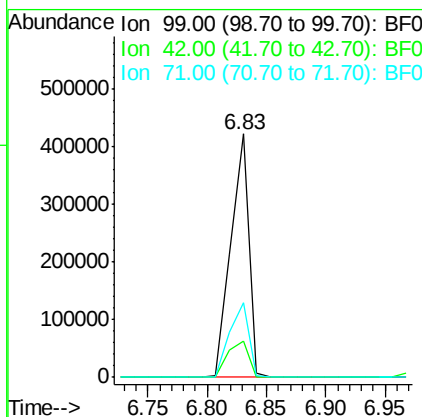
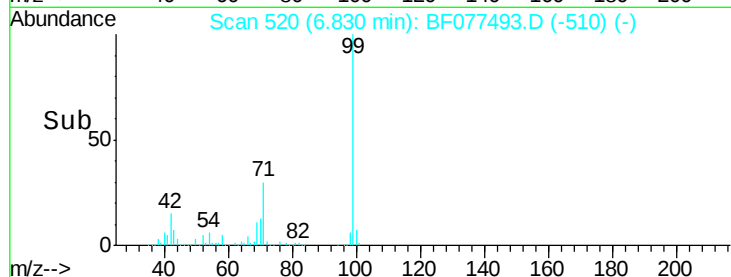
99 100

42 14.9 16.2 24.4#

71 30.4 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.85 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Tgt Ion: 136 Resp: 313374

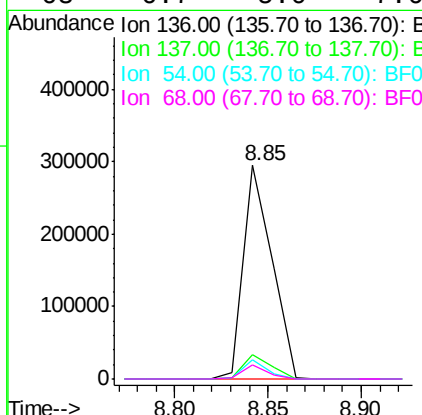
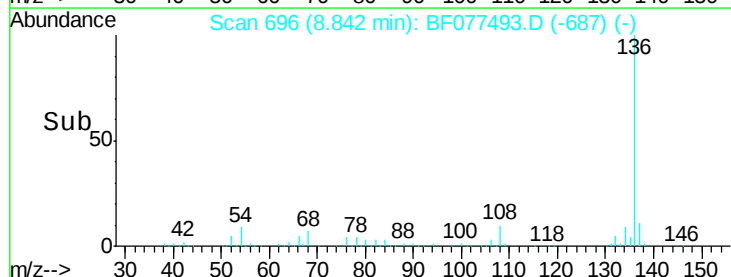
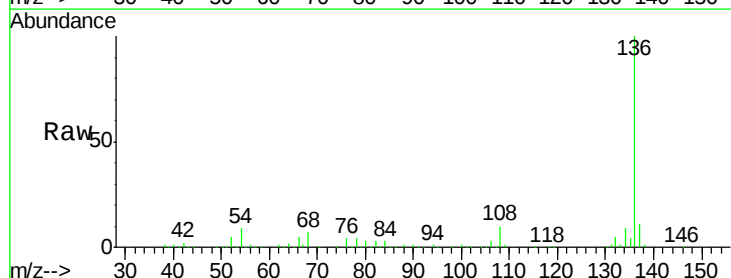
Ion Ratio Lower Upper

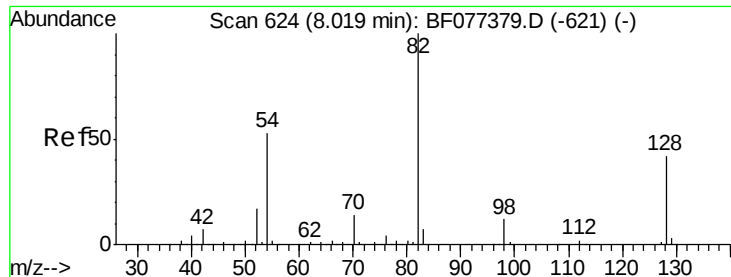
136 100

137 11.2 8.6 13.0

54 9.2 6.2 9.4

68 6.7 5.0 7.6





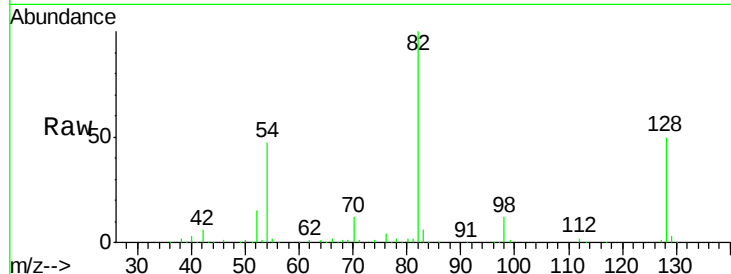
#23
 Nitrobenzene-d5
 Concen: 52.80 ng
 RT: 7.96 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Instrument :
 BNA_F
 ClientSampled :
 B-15-D4

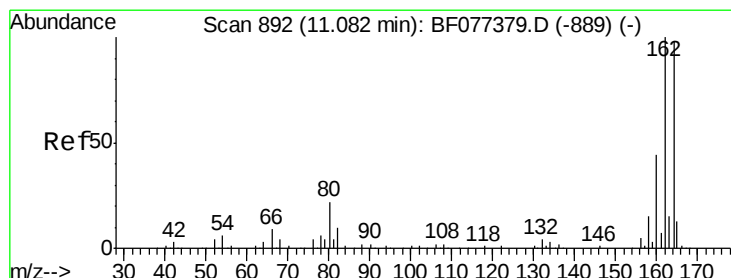
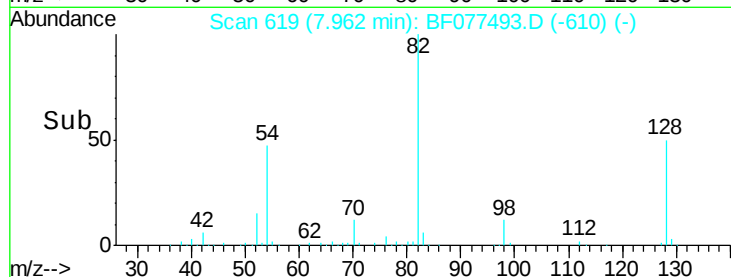
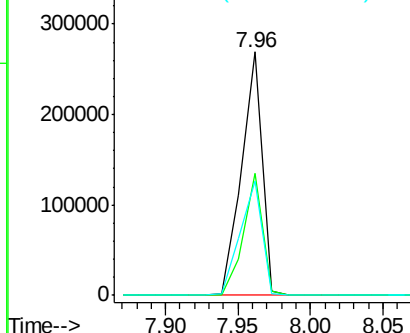
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	266100		
128	50.1	43.8	65.8	
54	46.7	36.7	55.1	

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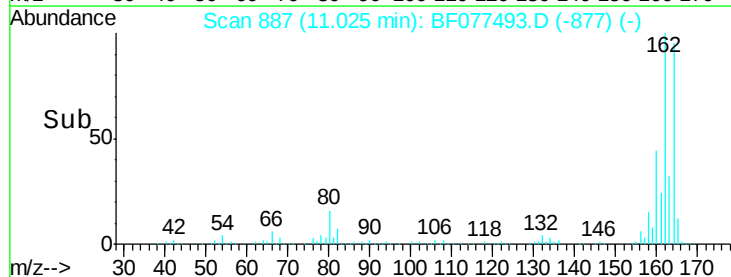
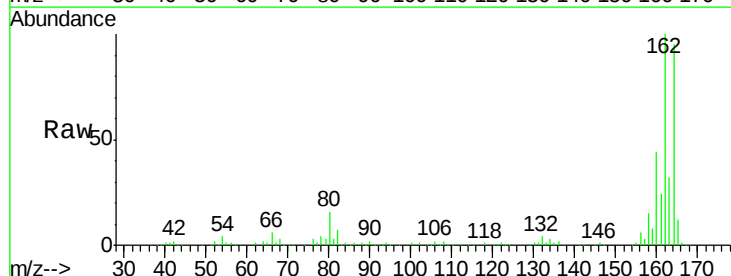
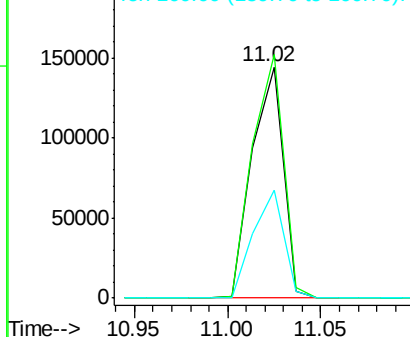
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

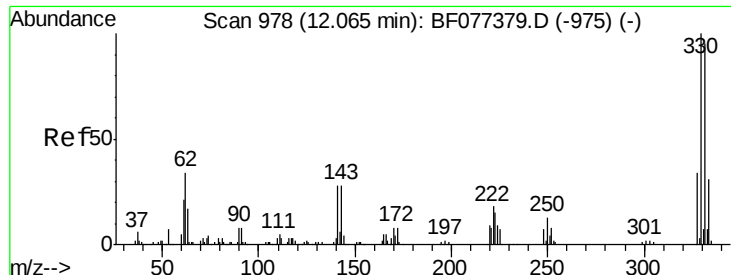


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166638		
162	105.4	83.2	124.8	
160	46.5	34.6	52.0	

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





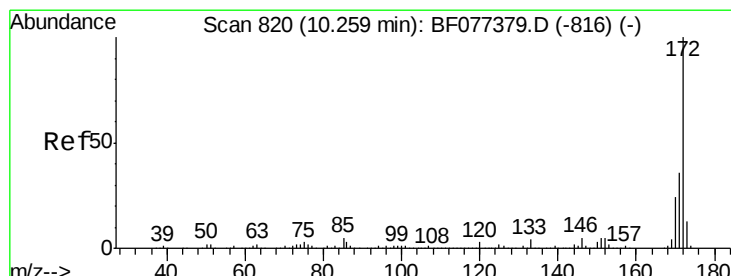
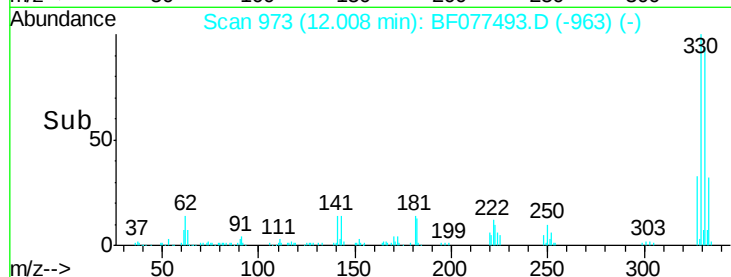
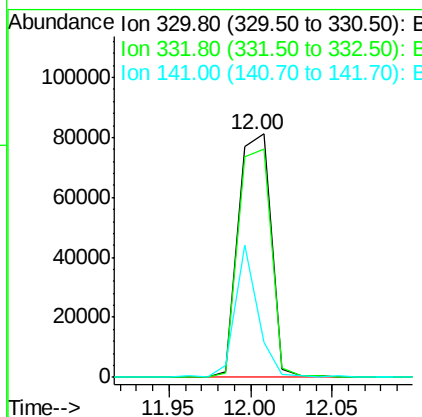
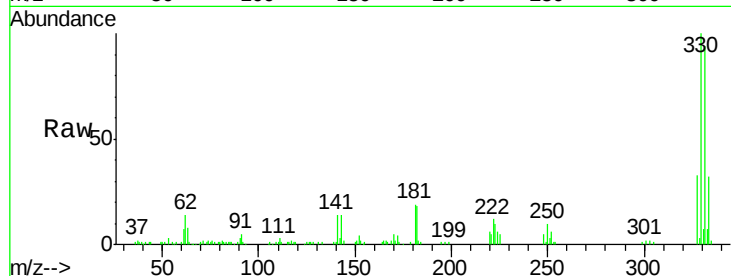
#41
 2,4,6-Tribromophenol
 Concen: 70.18 ng
 RT: 12.00 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Instrument :
 BNA_F
 ClientSampled :
 B-15-D4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	112602		
332	94.9	77.4	116.2	
141	37.6	28.8	43.2	

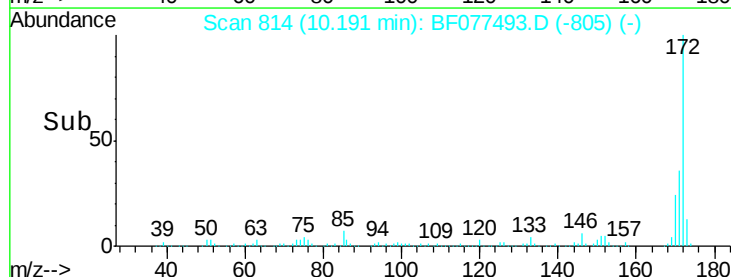
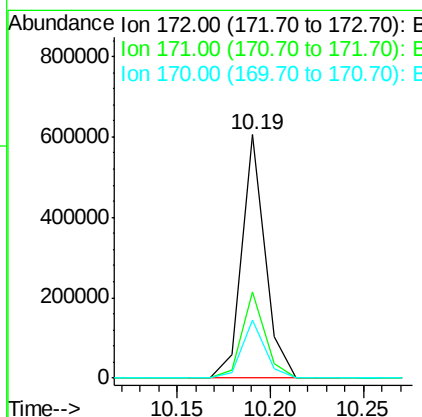
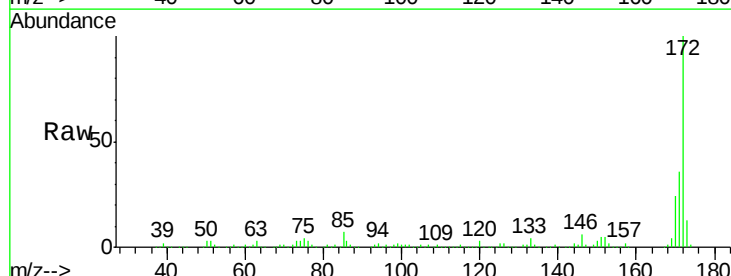
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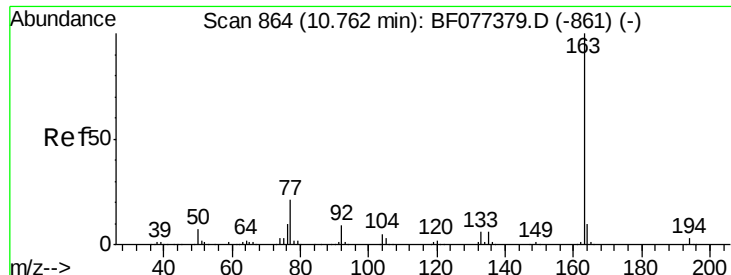
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#44
 2-Fluorobiphenyl
 Concen: 49.35 ng
 RT: 10.19 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	527404		
171	35.6	28.9	43.3	
170	23.7	19.4	29.2	





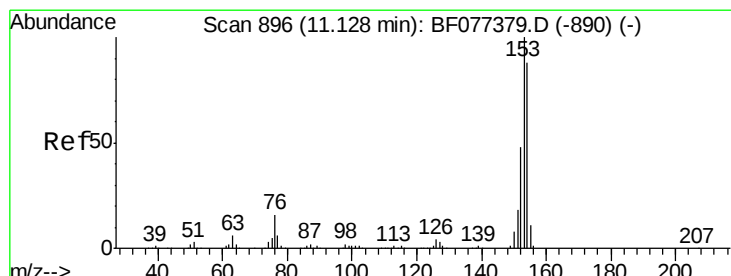
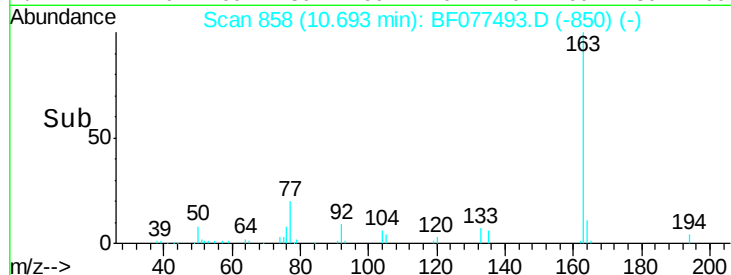
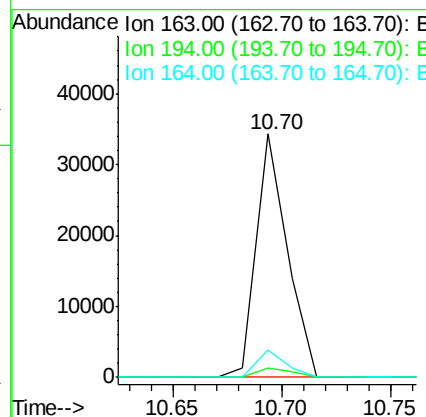
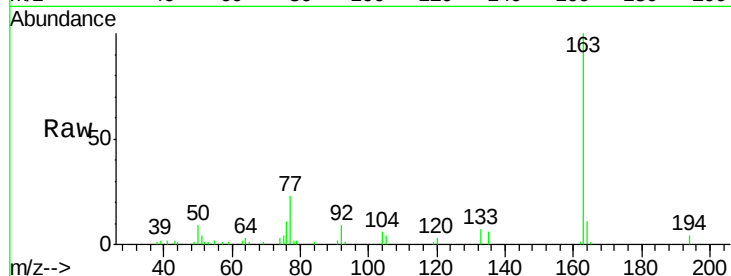
#49
Dimethylphthalate
Concen: 2.91 ng
RT: 10.70 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	34073		
194	3.7	2.6	4.0	
164	11.0	8.6	13.0	

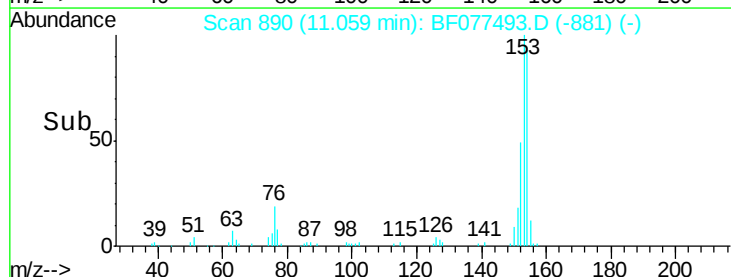
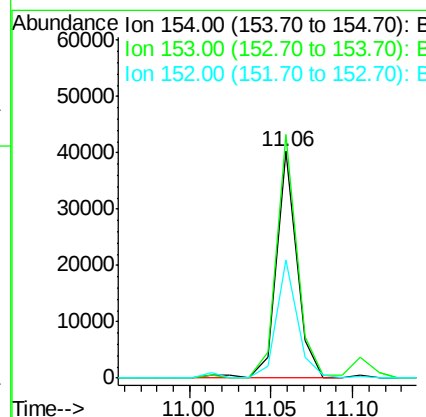
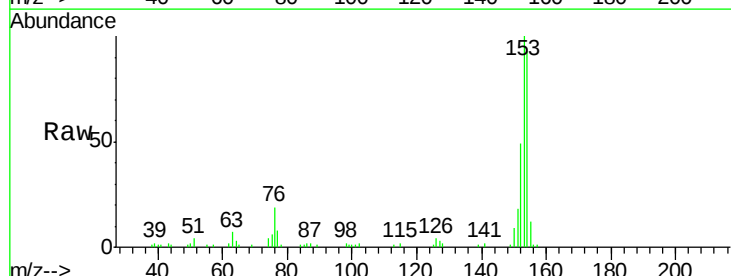
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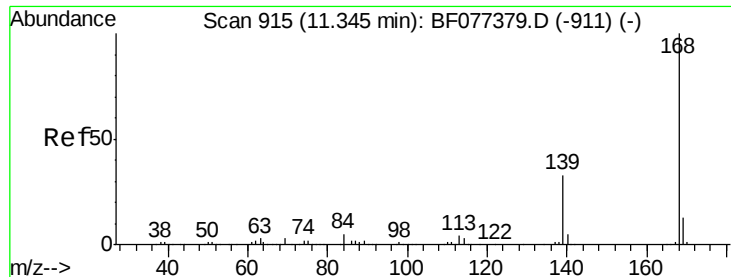
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#51
Acenaphthene
Concen: 3.79 ng
RT: 11.06 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	35448		
153	107.4	90.5	135.7	
152	52.1	43.5	65.3	





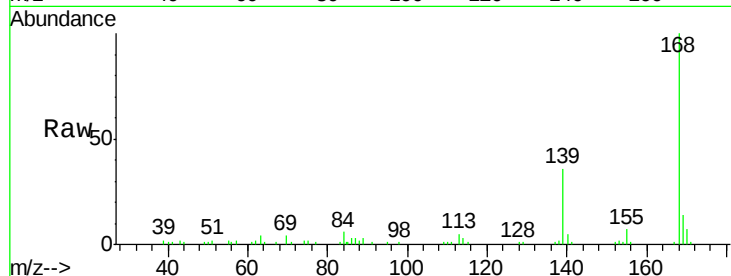
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Dibenzenofuran
Concen: 2.54 ng
RT: 11.28 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :
B-15-D4

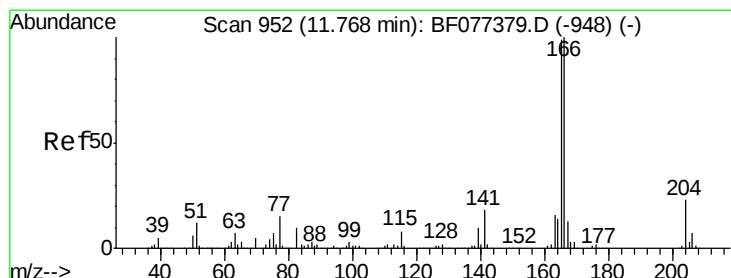
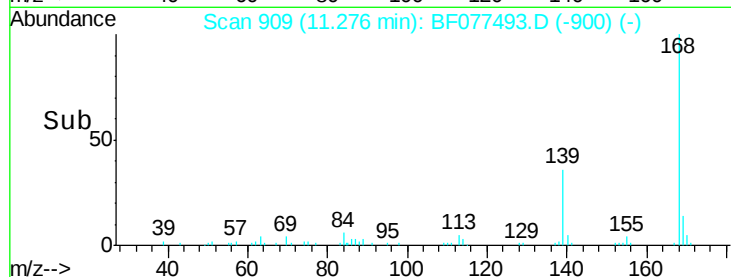
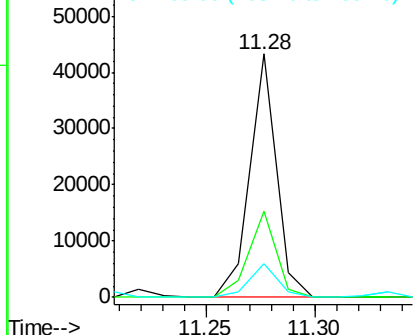
Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	35.6	29.3	43.9
169	13.9	10.9	16.3

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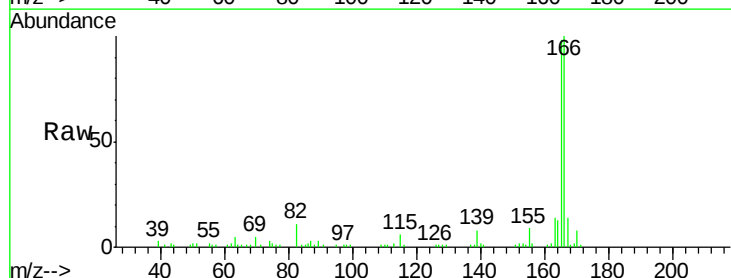


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

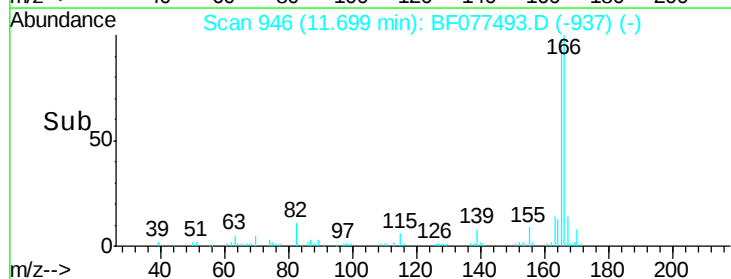
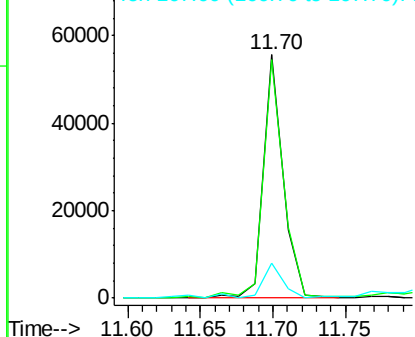


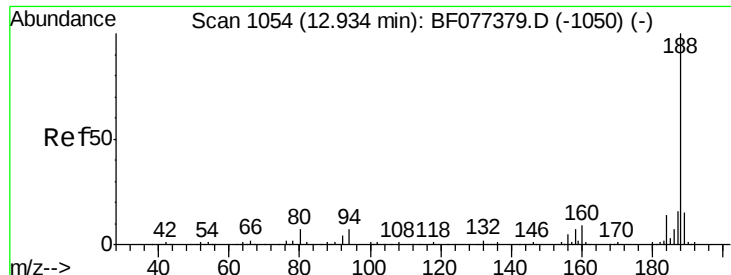
#57
Fluorene
Concen: 4.55 ng
RT: 11.70 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	97.8	77.6	116.4
167	14.4	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





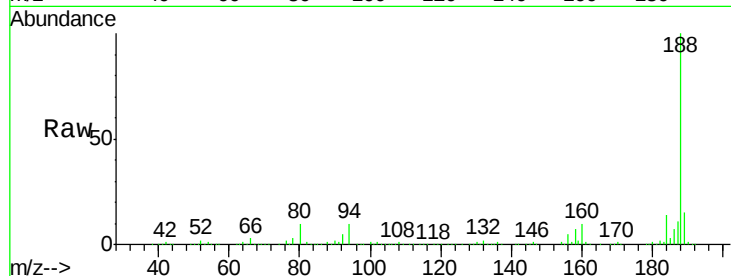
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.87 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :
B-15-D4

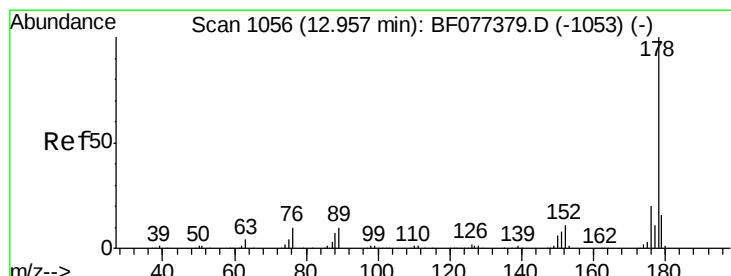
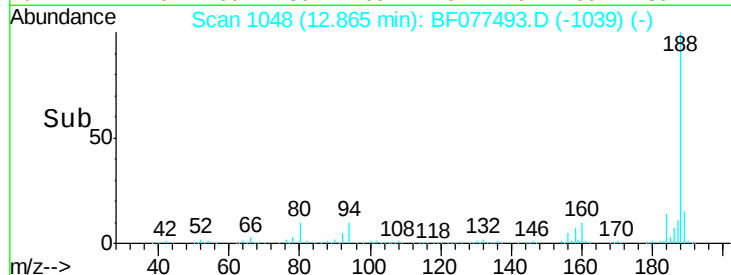
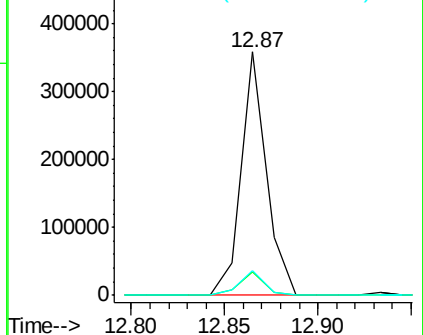
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	7.4	11.2
80	10.2	8.0	12.0

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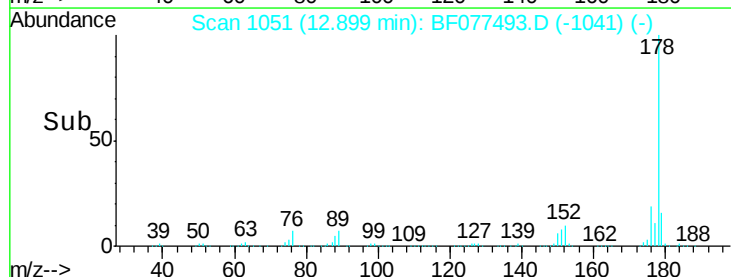
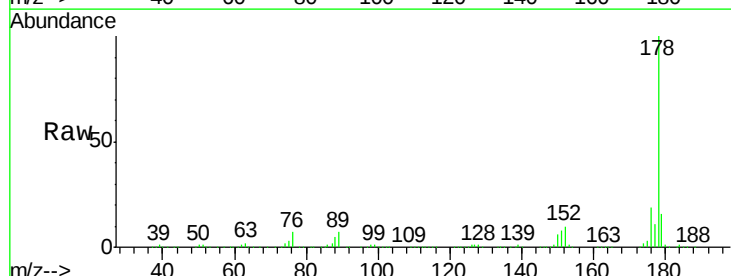
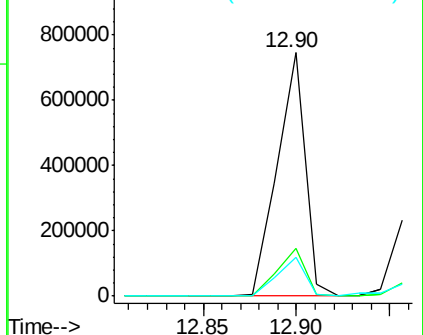
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

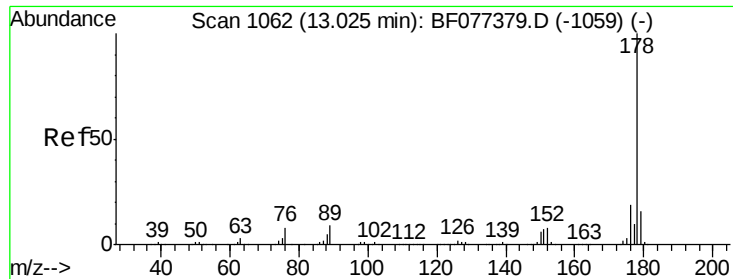


#70
Phenanthrene
Concen: 39.93 ng
RT: 12.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.5	23.3
179	15.9	12.2	18.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





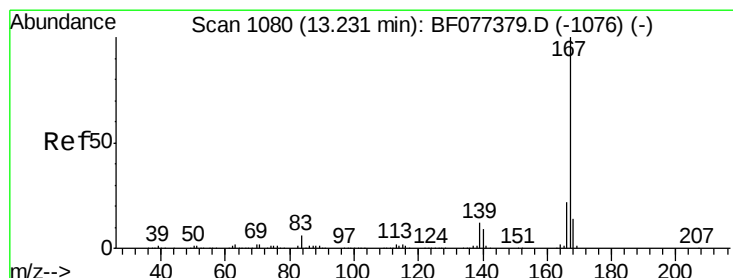
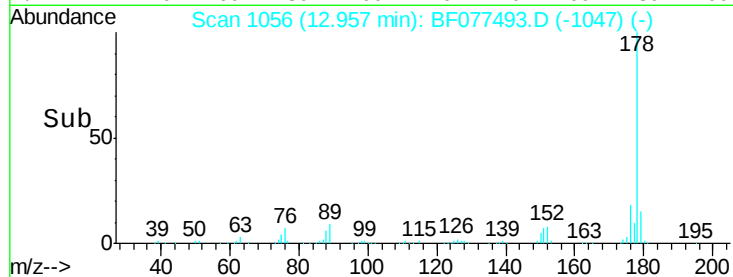
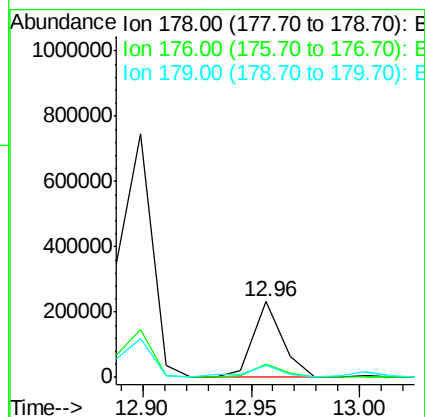
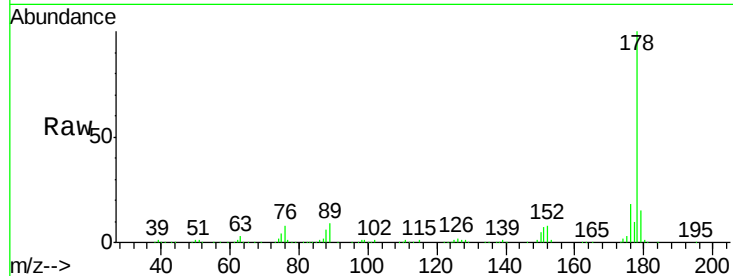
#71
 Anthracene
 Concen: 11.19 ng
 RT: 12.96 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Instrument :
 BNA_F
 ClientSampleId :
 B-15-D4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.1	12.9	19.3

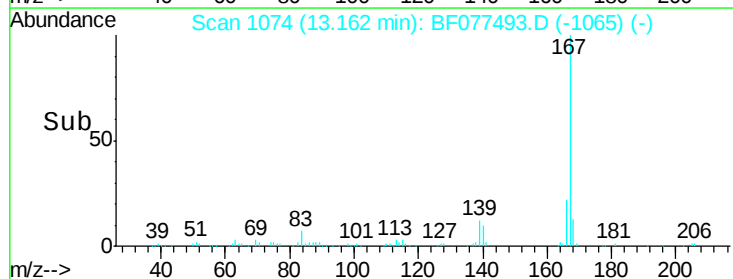
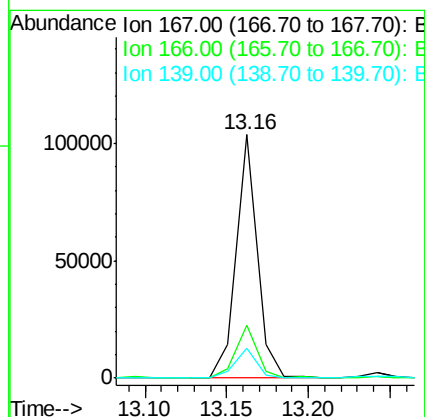
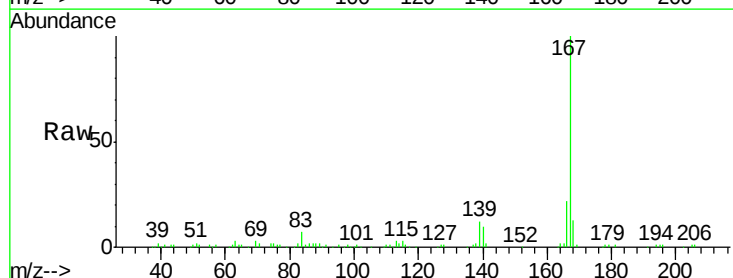
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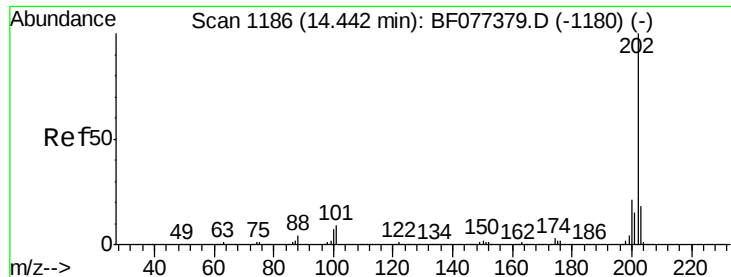
apatel
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#72
 Carbazole
 Concen: 4.98 ng
 RT: 13.16 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.4	9.9	14.9





#74

Fluoranthene

Concen: 53.77 ng

RT: 14.38 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampled :

B-15-D4

Tgt Ion: 202 Resp: 1147528

Ion Ratio Lower Upper

202 100

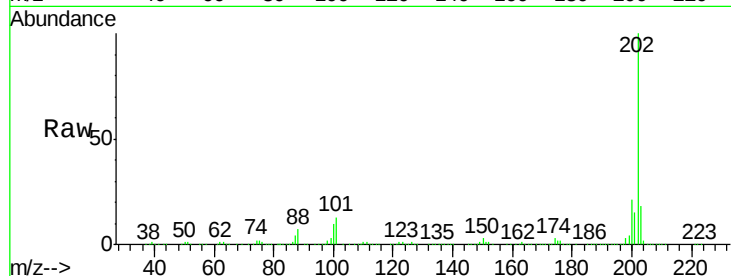
101 13.4 0.0 30.8

203 18.1 0.0 37.7

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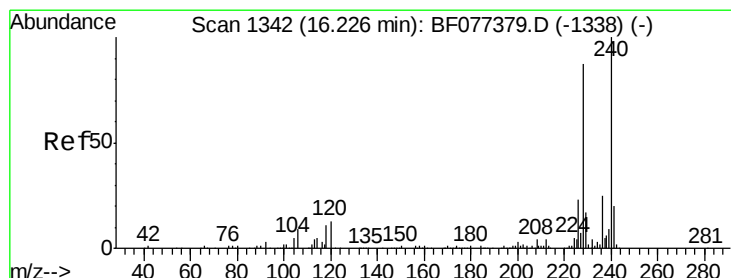
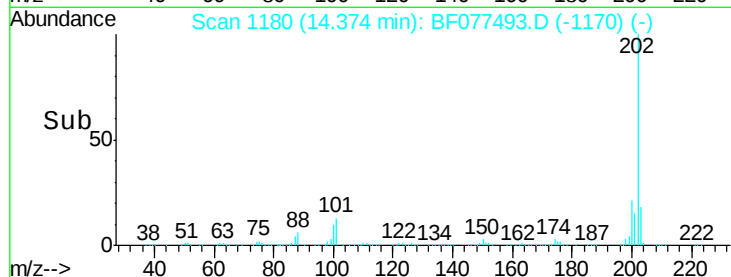
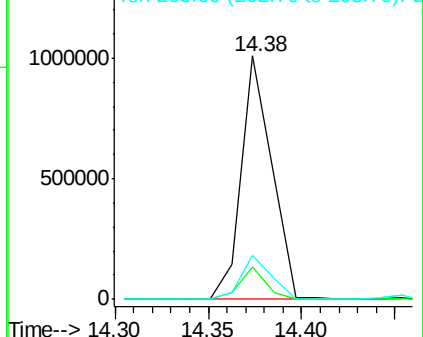
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.18 min Scan# 1338

Delta R.T. 0.03 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

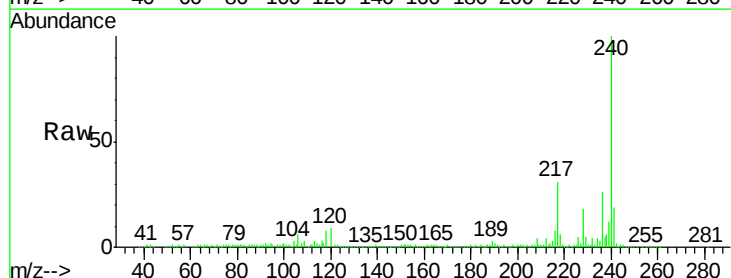
Tgt Ion: 240 Resp: 383021

Ion Ratio Lower Upper

240 100

120 8.6 8.8 13.2#

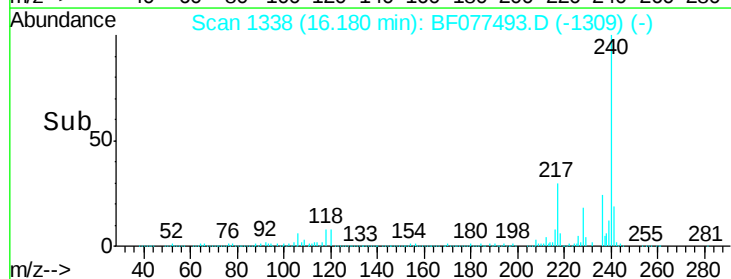
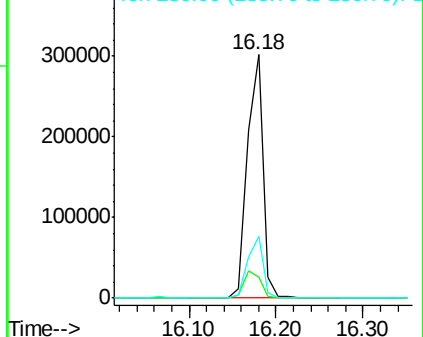
236 25.6 20.7 31.1

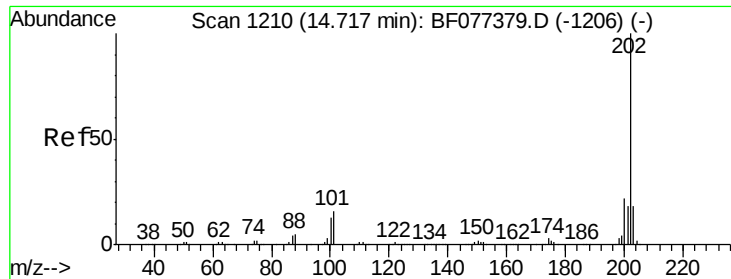


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 43.67 ng

RT: 14.66 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

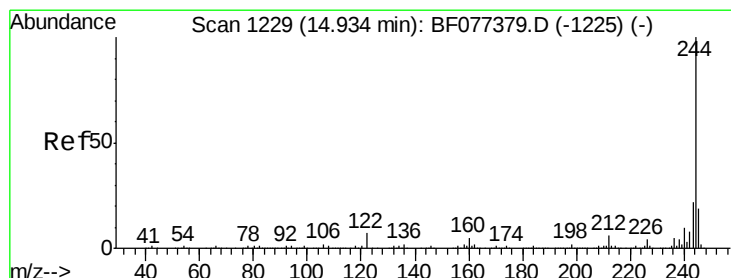
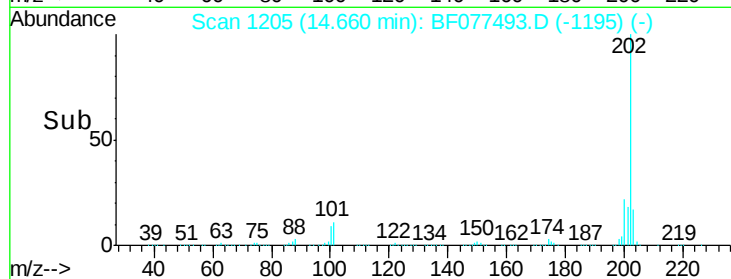
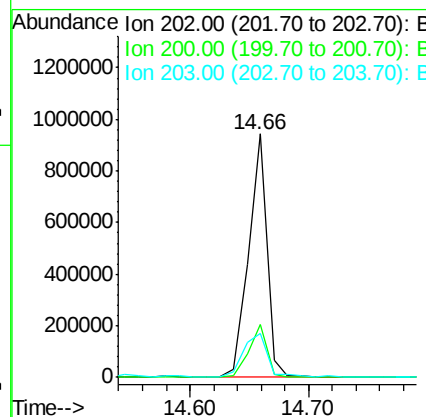
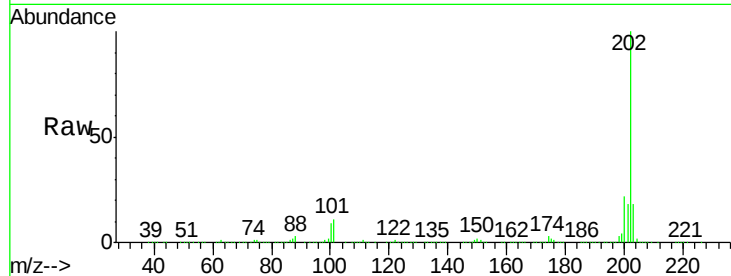
ClientSampleId :

B-15-D4

Tgt Ion:	202	Resp:	1023157
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.1	25.7
203	18.0	14.2	21.2

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#78

Terphenyl-d14

Concen: 41.88 ng

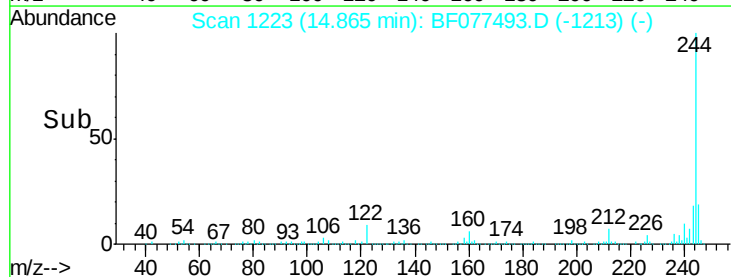
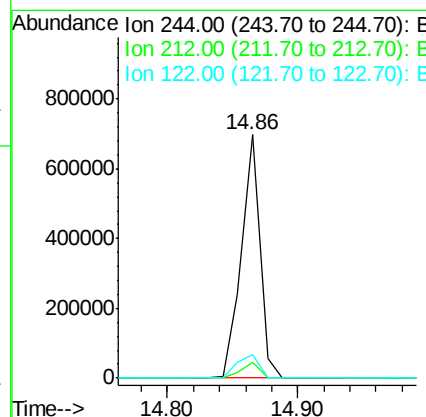
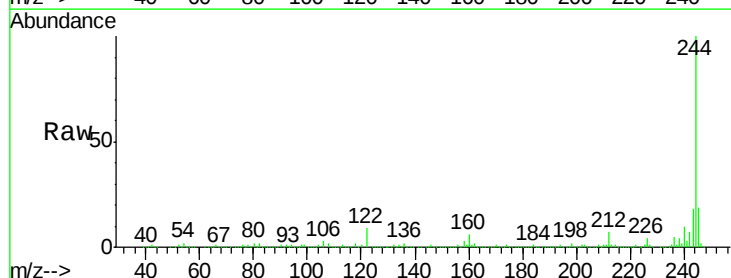
RT: 14.86 min Scan# 1223

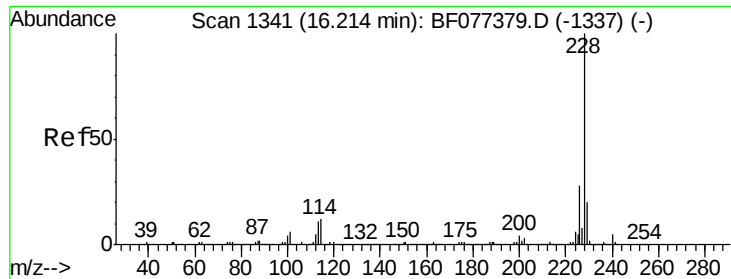
Delta R.T. 0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Tgt Ion:	244	Resp:	686147
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.4	7.8	11.8





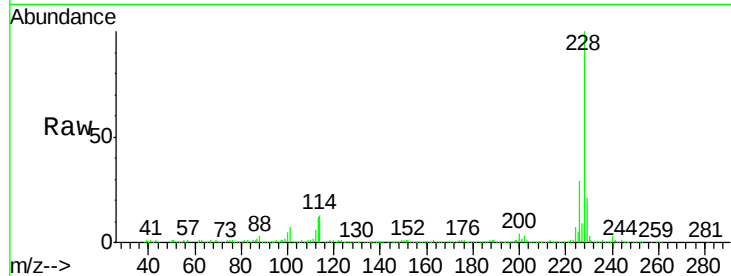
#80
Benzo(a)anthracene
Concen: 26.68 ng
RT: 16.16 min Scan# 1336
Delta R.T. 0.03 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampled :
B-15-D4

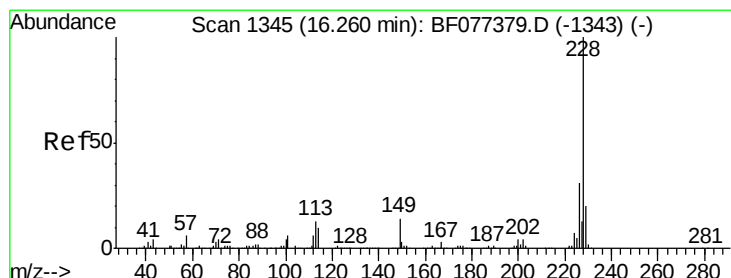
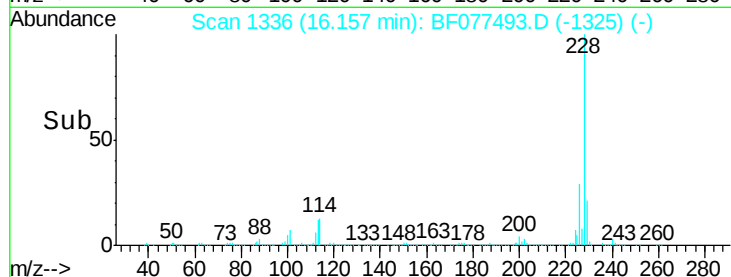
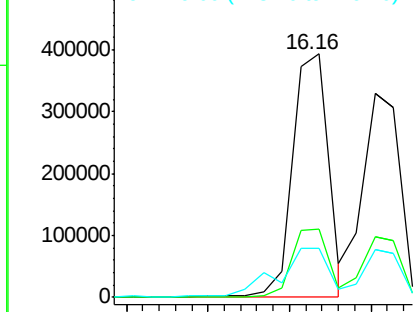
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.1	22.0	33.0
229	21.2	15.8	23.8

Manual Integrations
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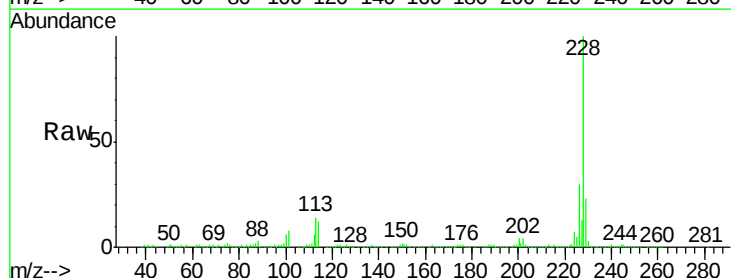


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

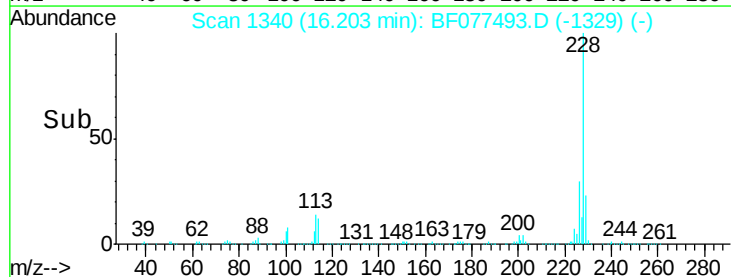
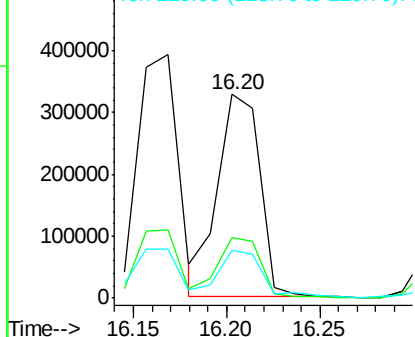


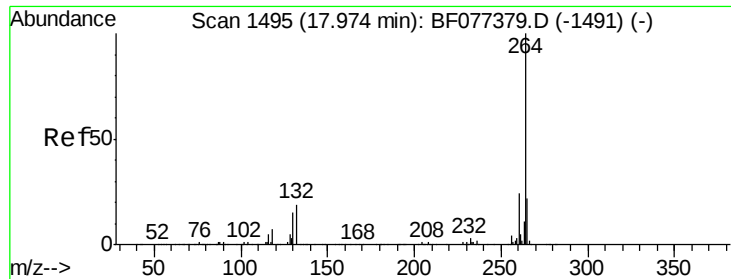
#82
Chrysene
Concen: 24.58 ng
RT: 16.20 min Scan# 1340
Delta R.T. 0.02 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.7	24.9	37.3
229	23.4	16.4	24.6



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





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1496

Delta R.T. 0.11 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

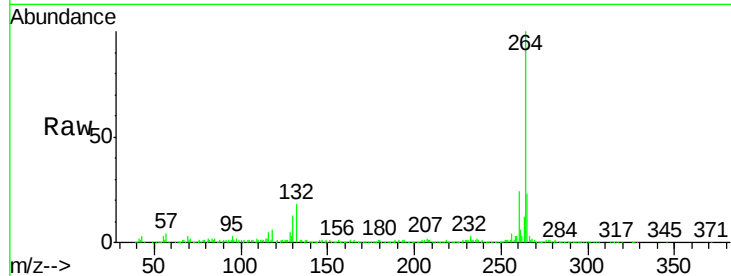
ClientSampleId :

B-15-D4

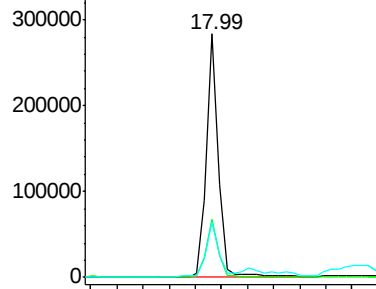
Tgt Ion:	264	Resp:	352076
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.6	16.8	25.2

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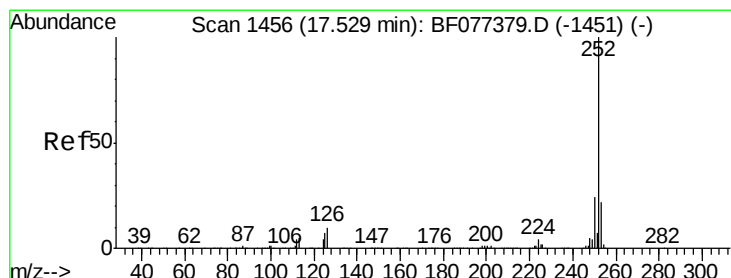
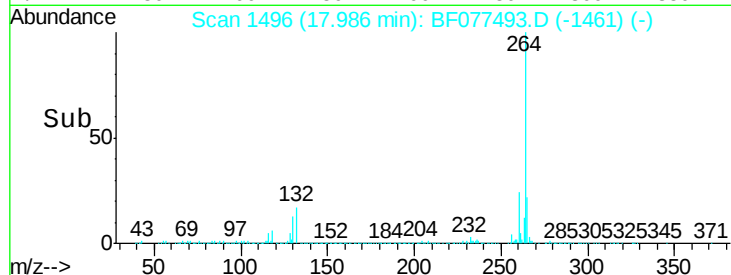
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 17.80 18.00 18.20



#87

Benzo(b)fluoranthene

Concen: 33.19 ng m

RT: 17.52 min Scan# 1455

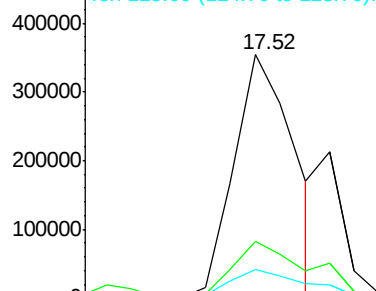
Delta R.T. 0.08 min

Lab File: BF077493.D

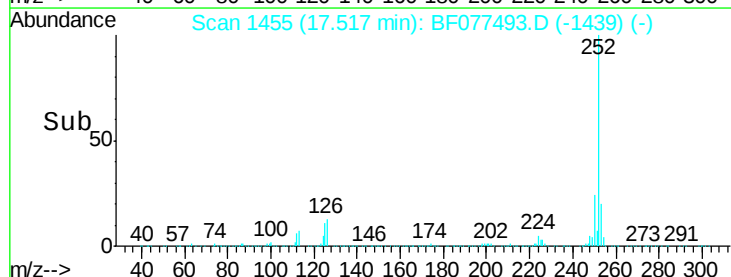
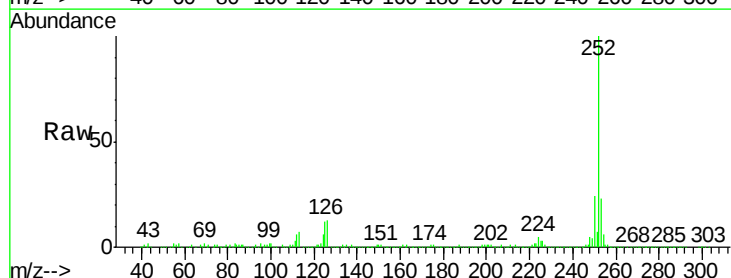
Acq: 27 Feb 2015 6:26

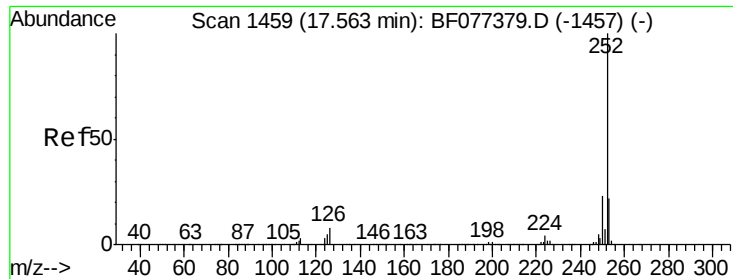
Tgt Ion:	252	Resp:	679420
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.6	26.4
125	11.8	5.4	8.2#

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



Time--> 17.45 17.50 17.55





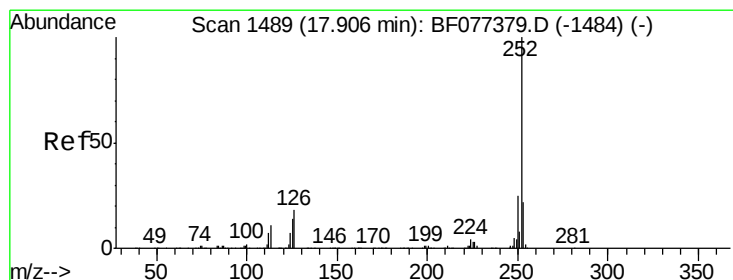
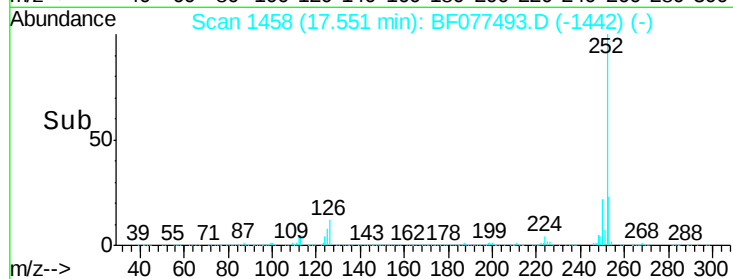
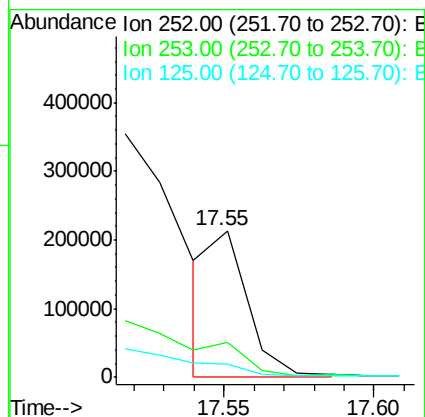
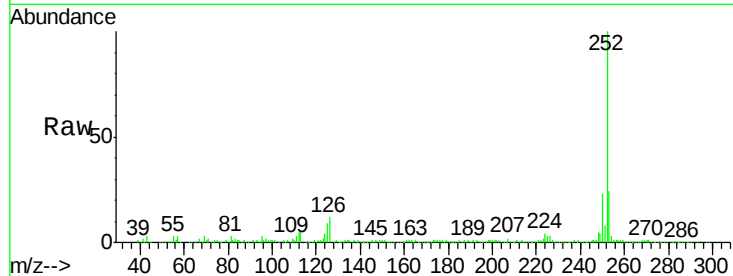
#88
Benzo(k)fluoranthene
Concen: 9.05 ng m
RT: 17.55 min Scan# 1458
Delta R.T. 0.08 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :
B-15-D4

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.8	18.1	27.1
125	9.2	10.1	15.1#

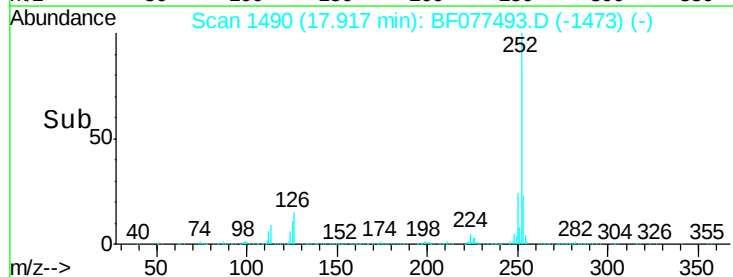
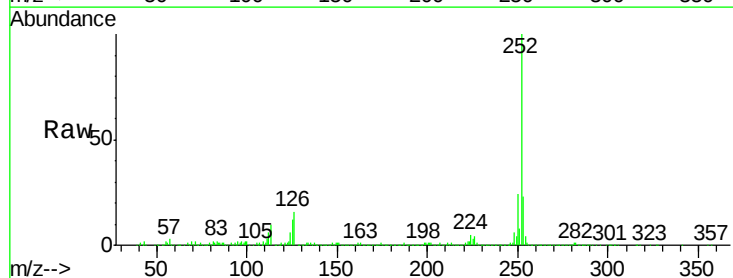
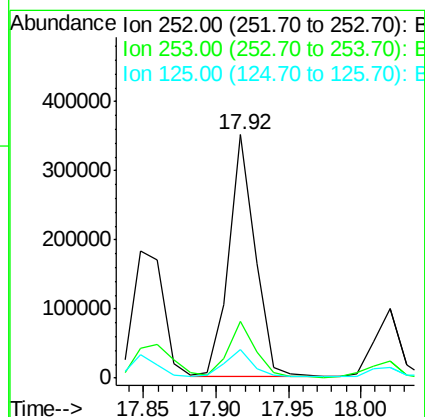
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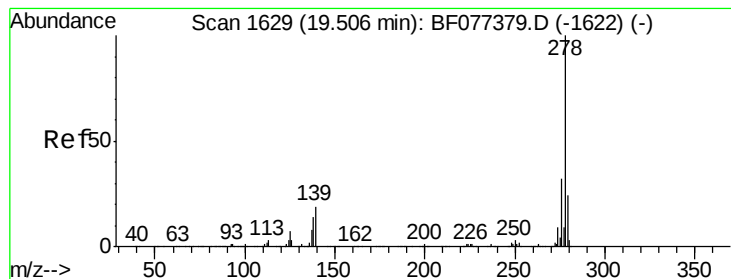
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#89
Benzo(a)pyrene
Concen: 22.24 ng
RT: 17.92 min Scan# 1490
Delta R.T. 0.09 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.4	18.2	27.2
125	12.0	8.3	12.5





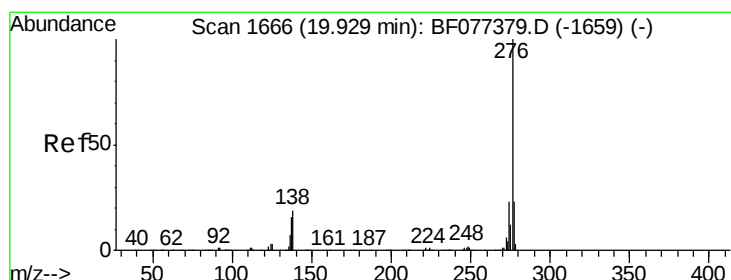
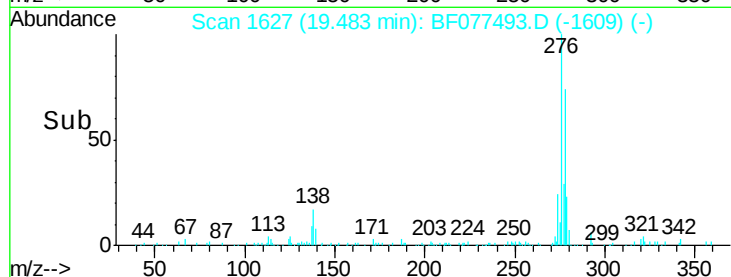
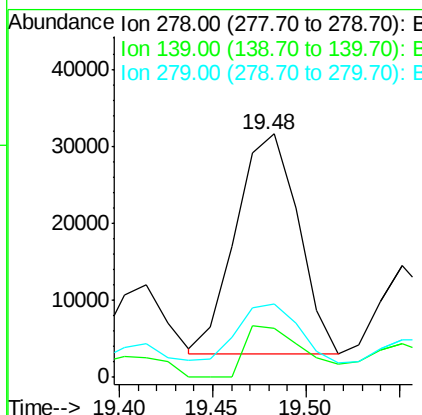
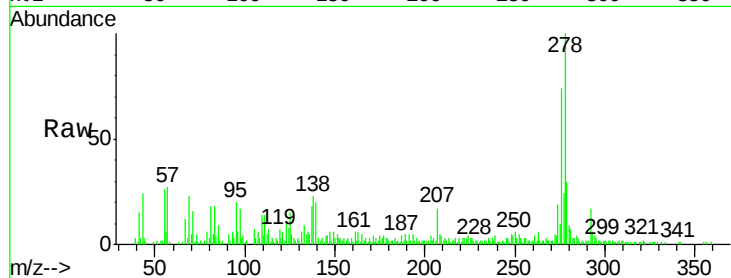
#90
Dibenzo(a,h)anthracene
Concen: 3.55 ng
RT: 19.48 min Scan# 1627
Delta R.T. 0.10 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :
B-15-D4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	14.3	21.5
279	30.4	19.0	28.6

Manual Integrations
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2/27/2015 4:21:40 PM



#91
Benzo(g,h,i)perylene
Concen: 13.44 ng
RT: 19.89 min Scan# 1663
Delta R.T. 0.11 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	22.4	20.5	30.7

