

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087137.D
 Acq On : 18 May 2016 8:05
 Operator : UM/SJ
 Sample : H2994-05RE
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPARTAPARK-1542-00(0-2)RE

Manual Integrations
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Quant Time: May 18 13:12:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	132966	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	506859	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	212920	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	326988	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	290809	20.00	ng	-0.02
86) Perylene-d12	15.10	264	304068	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	814353	102.94	ng	-0.02
7) Phenol-d6	6.26	99	1075852	101.40	ng	-0.02
23) Nitrobenzene-d5	7.16	82	703390	69.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	221745	94.24	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1013018	78.80	ng	-0.02
78) Terphenyl-d14	12.69	244	705666	54.89	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.48	152	115272	5.57	ng	98
49) Dimethylphthalate	9.36	163	102628	6.32	ng	99
70) Phenanthrene	11.13	178	181650	10.24	ng	98
71) Anthracene	11.18	178	98027	5.46	ng	97
72) Carbazole	11.35	167	46911	2.86	ng	99
74) Fluoranthene	12.32	202	654555	36.84	ng	89
77) Pyrene	12.54	202	580615	27.64	ng	99
80) Benzo(a)anthracene	13.73	228	344719	20.50	ng	# 92
82) Chrysene	13.76	228	402135m	24.72	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	211542m	14.81	ng	
87) Benzo(b)fluoranthene	14.73	252	619154m	30.69	ng	
88) Benzo(k)fluoranthene	14.74	252	244819m	16.30	ng	
89) Benzo(a)pyrene	15.04	252	343362m	20.36	ng	
90) Dibenzo(a,h)anthracene	16.34	278	64180m	4.52	ng	
91) Benzo(a,h,i)perylene	16.71	276	168848	11.78	ng	# 92

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

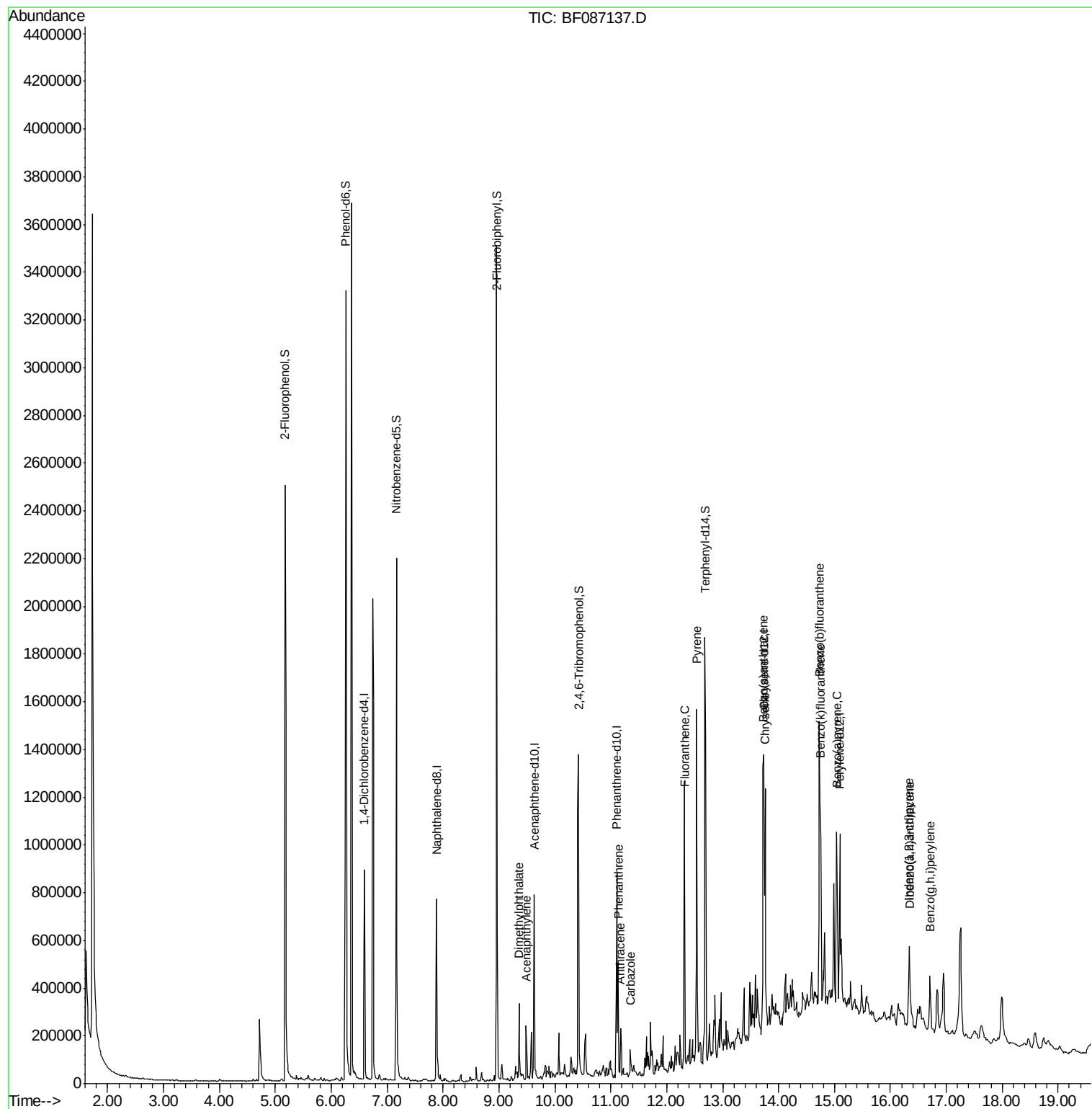
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087137.D
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ALS Vial : 39 Sample Multiplier: 1

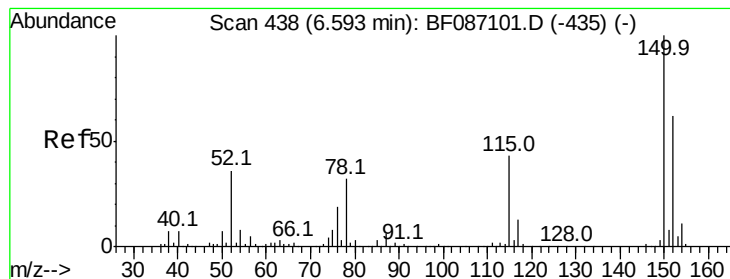
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087137.D

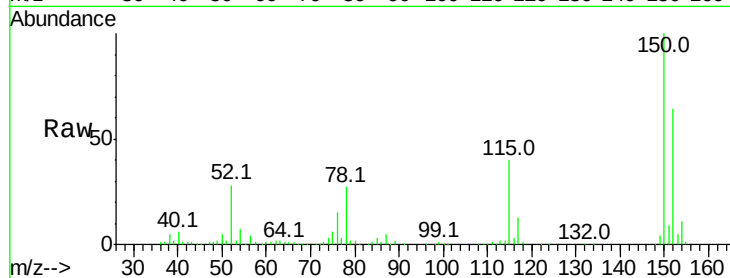
Acq: 18 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

SPARTAPARK-1542-00(0-2)RE



Tot Ion:152 Resp: 132966

Ion Ratio Lower Upper

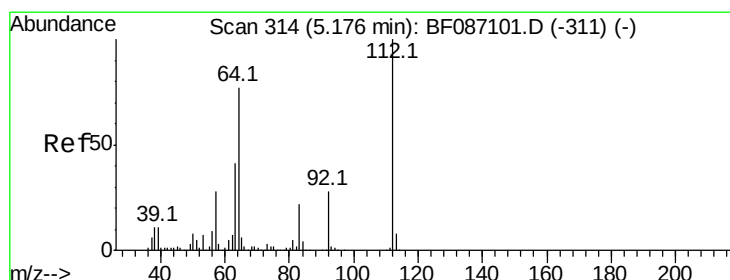
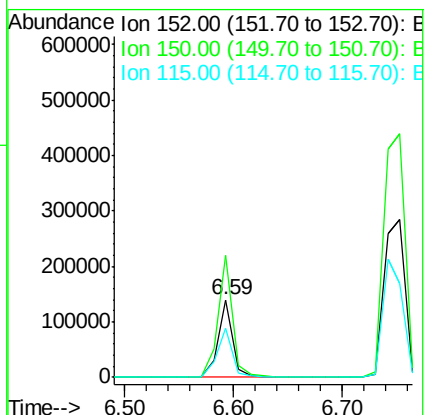
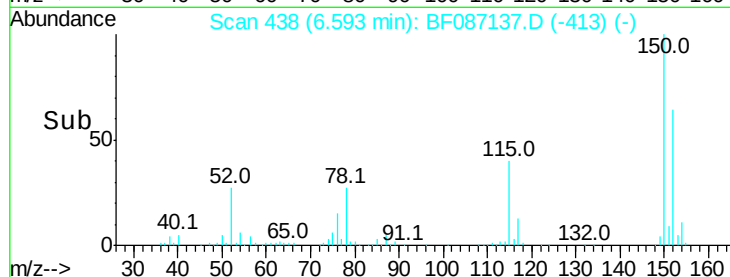
152 100

150 156.3 125.8 188.6

115 63.1 51.5 77.3

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#5

2-Fluorophenol

Concen: 102.94 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.02 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

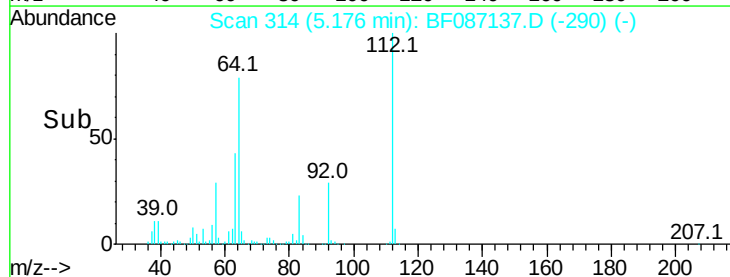
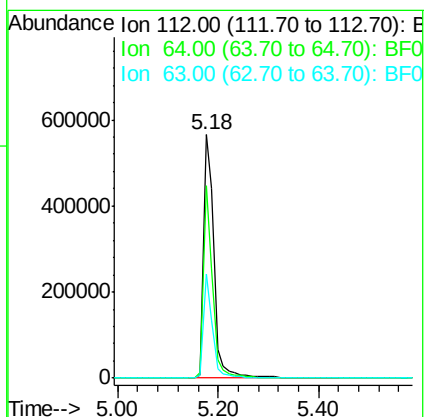
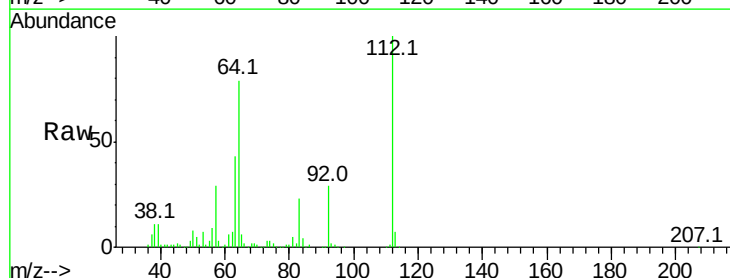
Tgt Ion:112 Resp: 814353

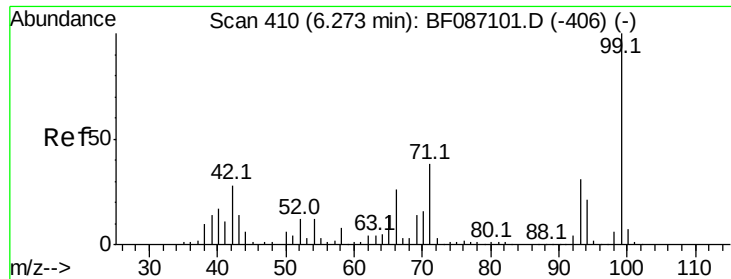
Ion Ratio Lower Upper

112 100

64 78.9 52.1 78.1#

63 42.6 25.7 38.5#





#7

Phenol-d6

Concen: 101.40 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

SPARTAPARK-1542-00(0-2)RE

Tot Ion: 99 Resp: 1075852

Ion Ratio Lower Upper

99 100

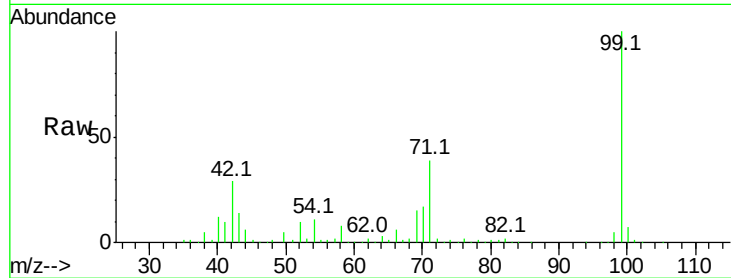
42 29.3 13.6 20.4#

71 39.0 24.6 36.8#

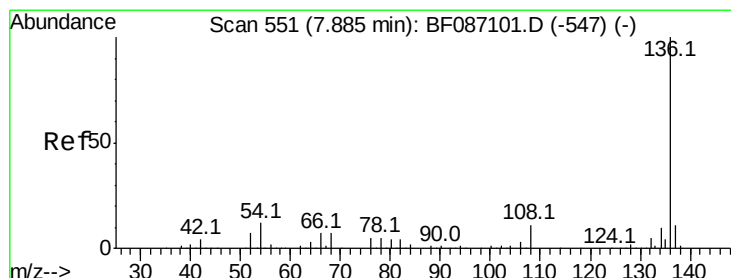
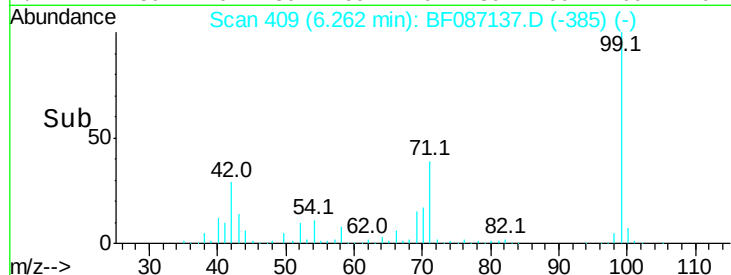
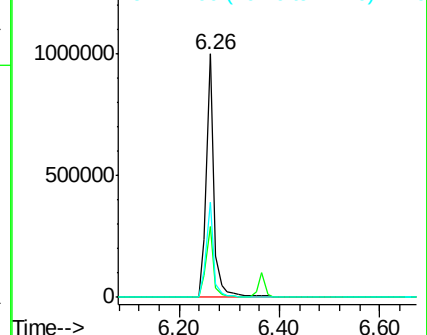
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Tgt Ion: 136 Resp: 506859

Ion Ratio Lower Upper

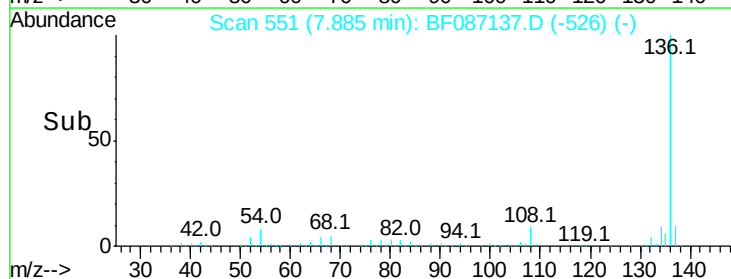
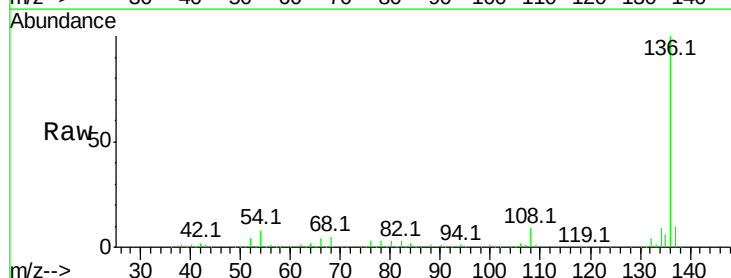
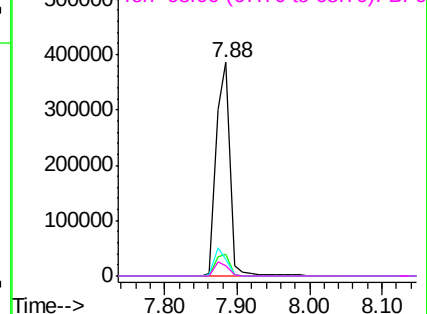
136 100

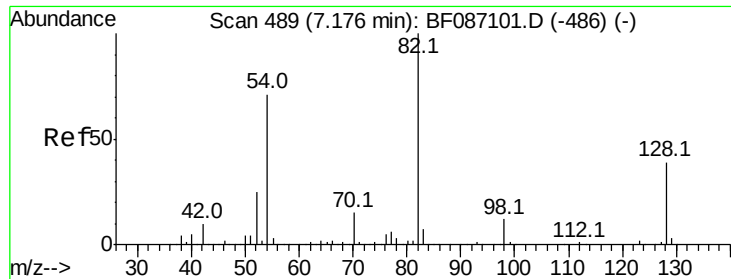
137 10.4 8.8 13.2

54 7.9 5.0 7.4#

68 4.6 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





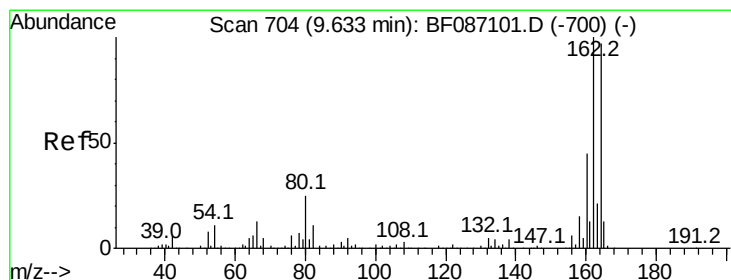
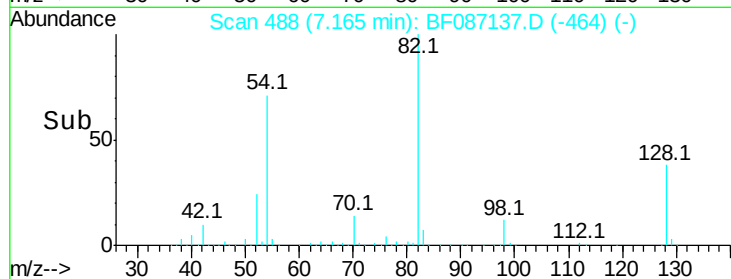
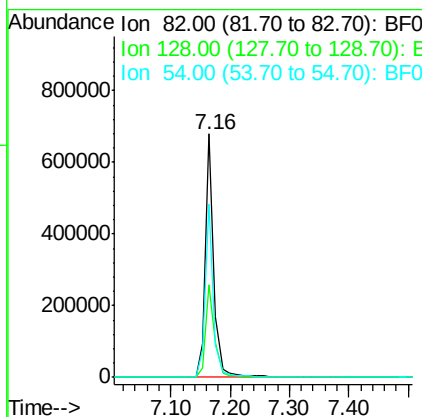
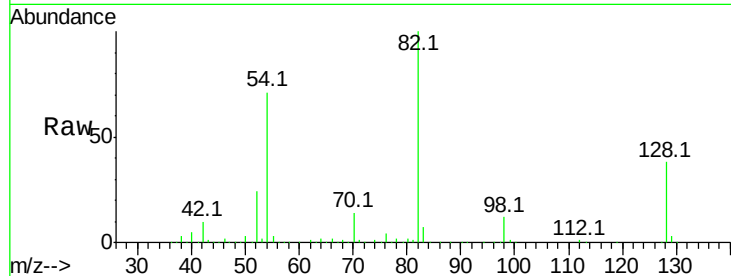
#23
 Nitrobenzene-d5
 Concen: 69.16 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Instrument :
 BNA_F
 ClientSampleId :
 SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.8	40.6	61.0#
54	71.4	38.1	57.1#

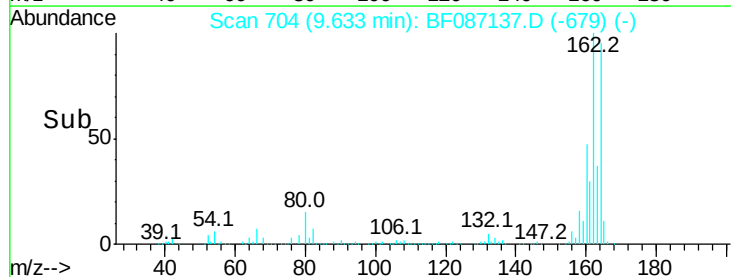
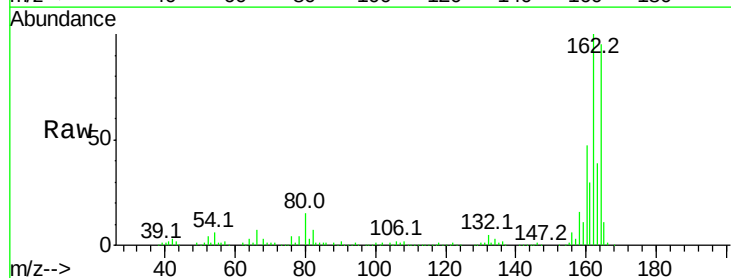
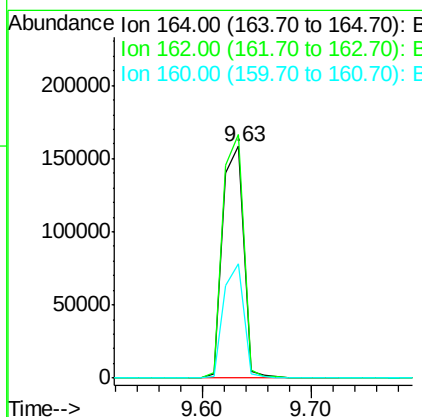
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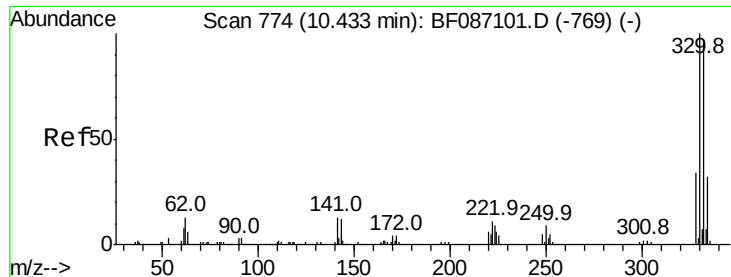
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.8	124.2
160	49.2	36.9	55.3





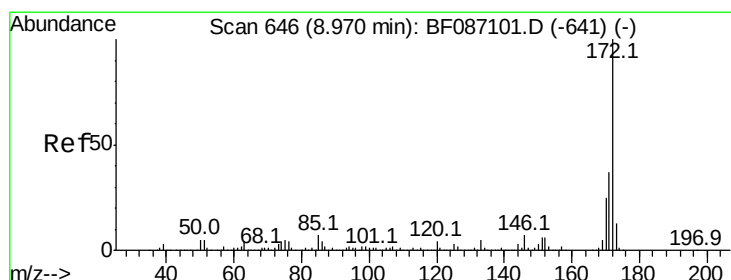
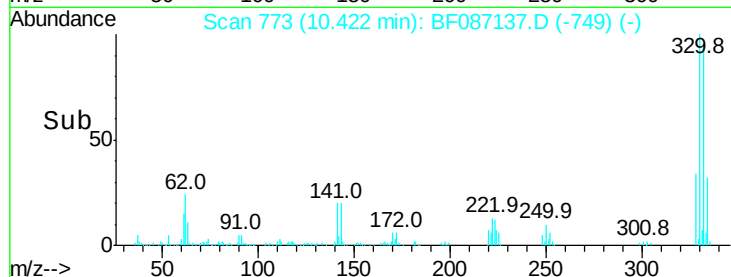
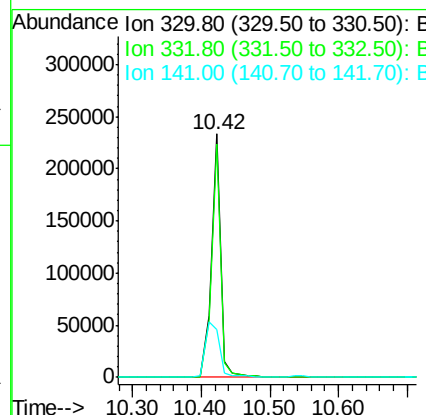
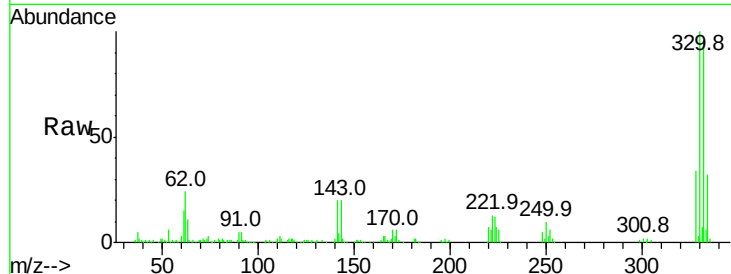
#41
 2,4,6-Tribromophenol
 Concen: 94.24 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Instrument :
 BNA_F
 ClientSampleId :
 SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	221745		
332	95.3	79.0	118.4	
141	33.8	31.2	46.8	

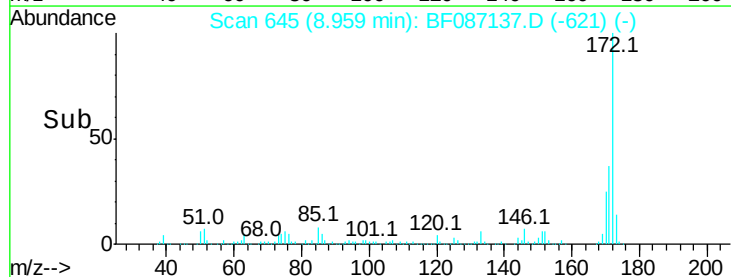
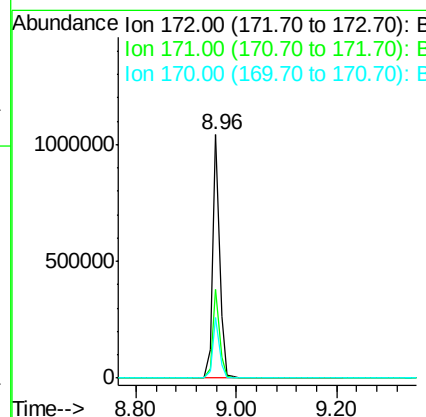
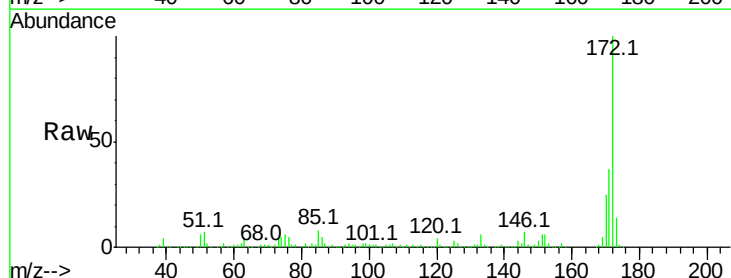
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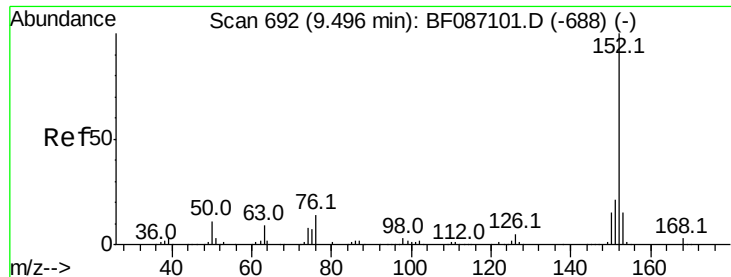
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#44
 2-Fluorobiphenyl
 Concen: 78.80 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1013018		
171	36.6	29.0	43.6	
170	24.7	19.8	29.8	





#48

Acenaphthylene

Concen: 5.57 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Instrument :

BNA_F

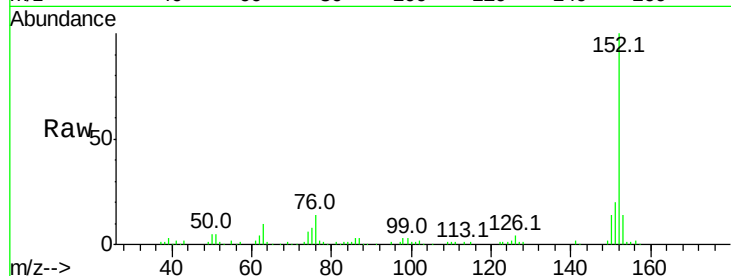
ClientSampleId :

SPARTAPARK-1542-00(0-2)RE

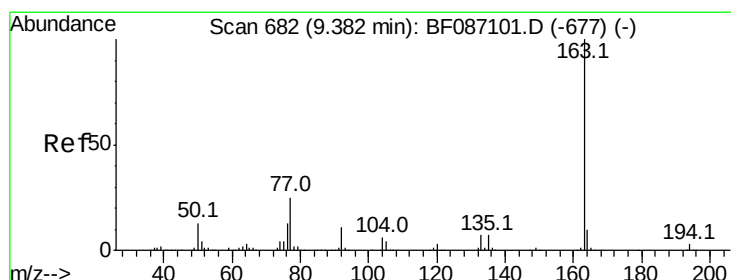
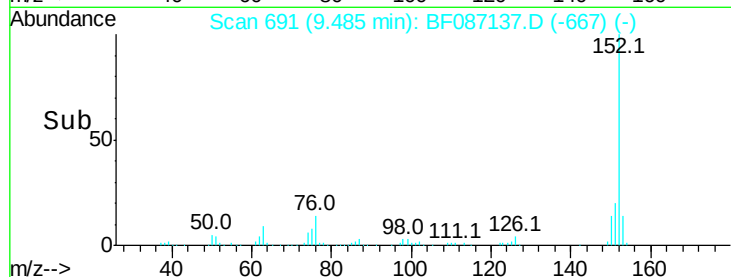
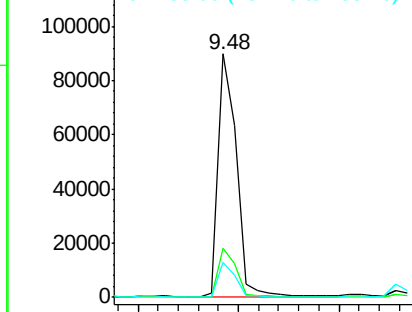
Tot Ion:	152	Resp:	115272
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	14.2	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.32 ng

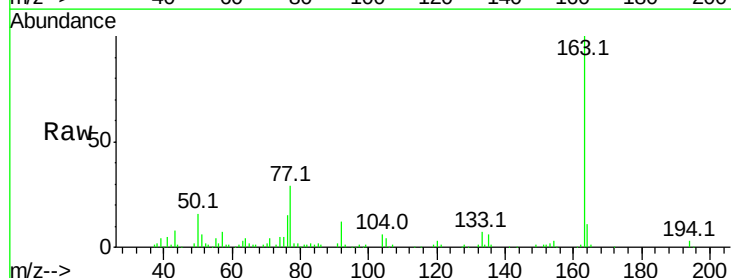
RT: 9.36 min Scan# 680

Delta R.T. -0.03 min

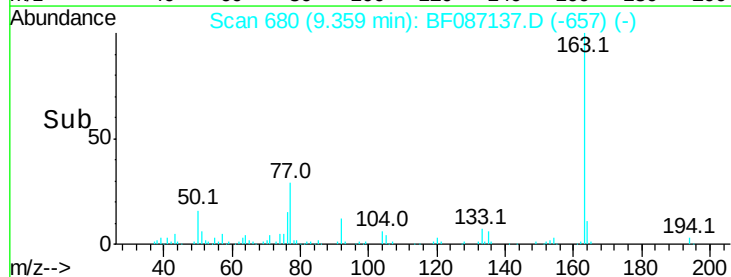
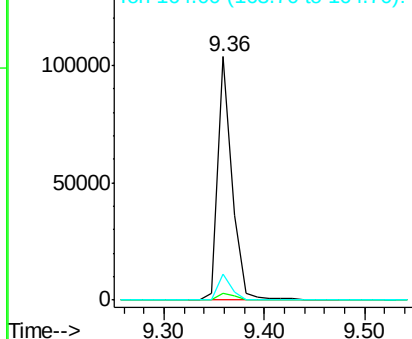
Lab File: BF087137.D

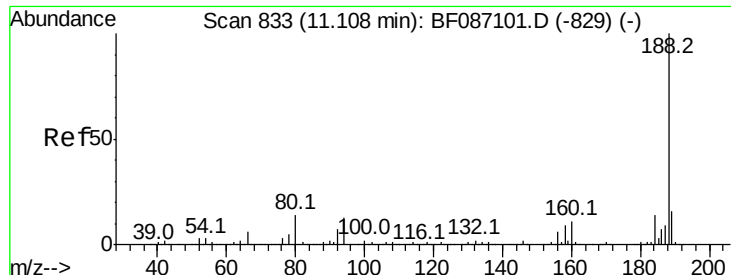
Acq: 18 May 2016 8:05

Tgt Ion:	163	Resp:	102628
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.6	4.0
164	10.8	8.2	12.4



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





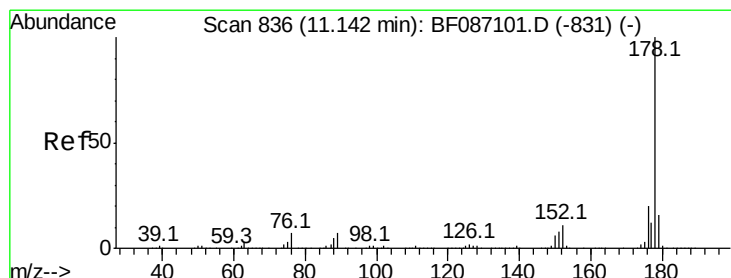
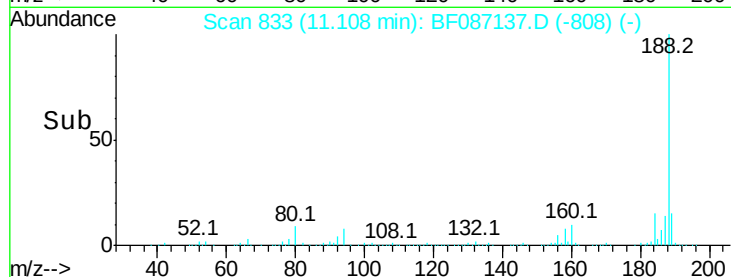
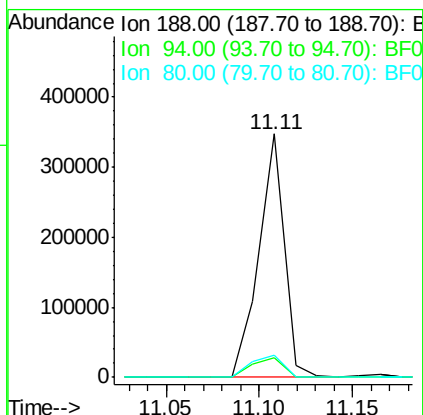
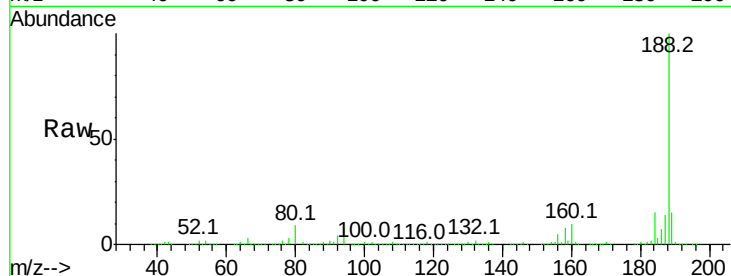
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087137.D
Acq: 18 May 2016 8:05

Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	6.8	10.2
80	8.9	7.1	10.7

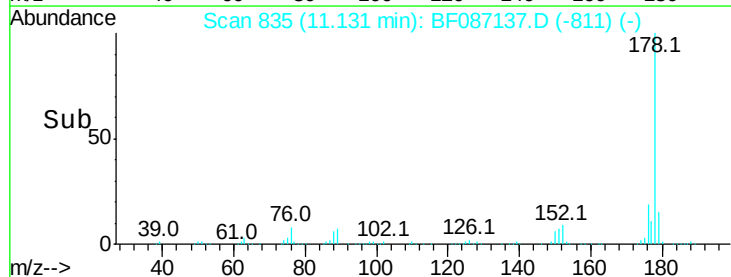
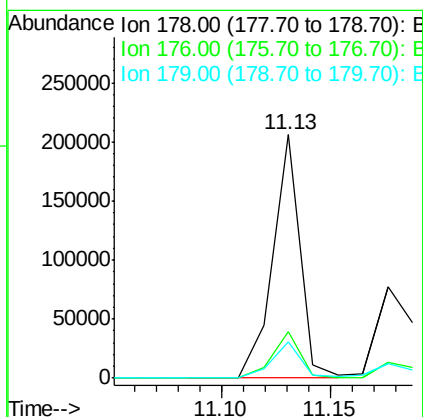
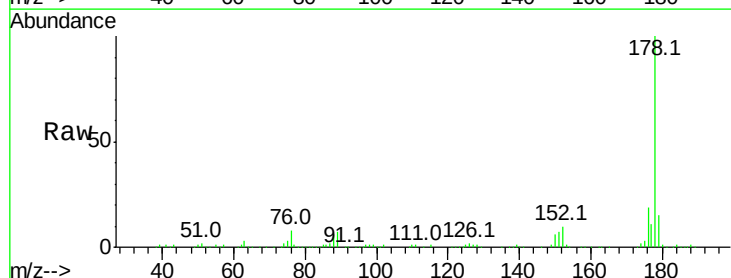
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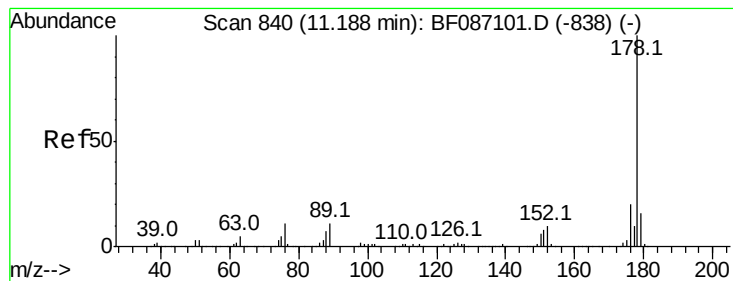
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#70
Phenanthrene
Concen: 10.24 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF087137.D
Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.1	12.6	18.8





#71

Anthracene

Concen: 5.46 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.02 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Instrument :

BNA_F

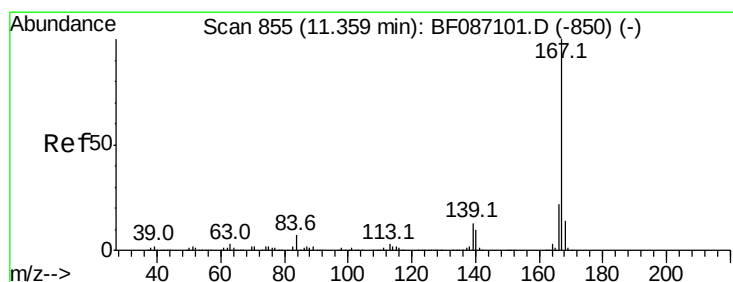
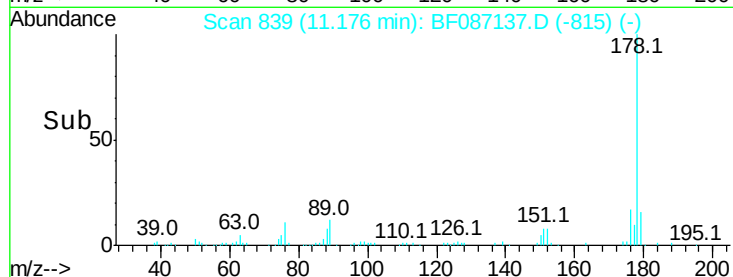
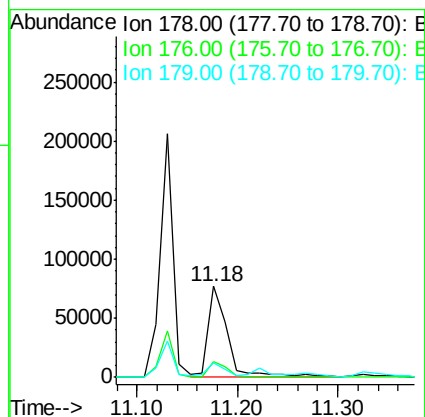
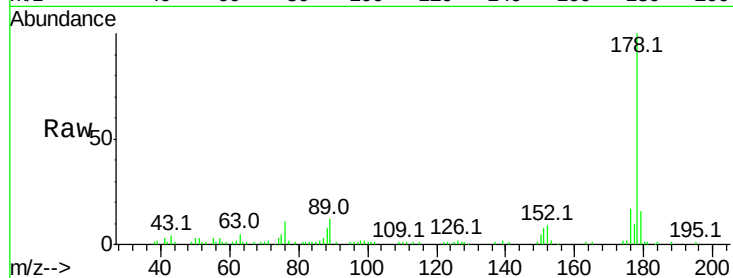
ClientSampleId :

SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.6	23.4
179	16.5	12.7	19.1

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#72

Carbazole

Concen: 2.86 ng

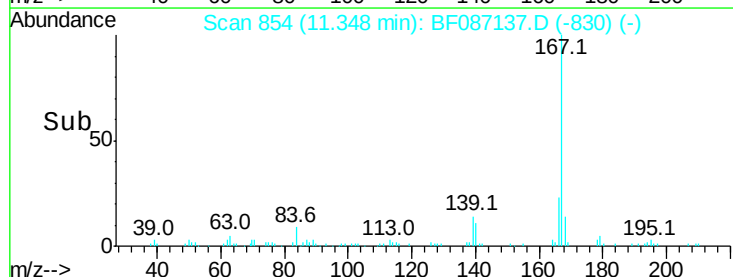
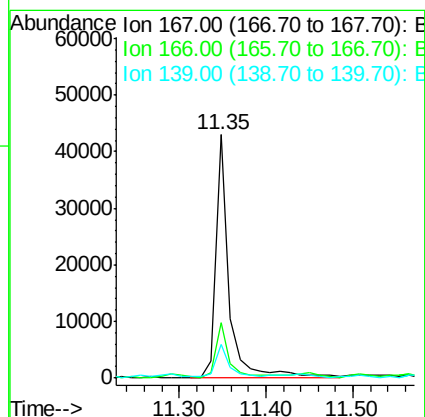
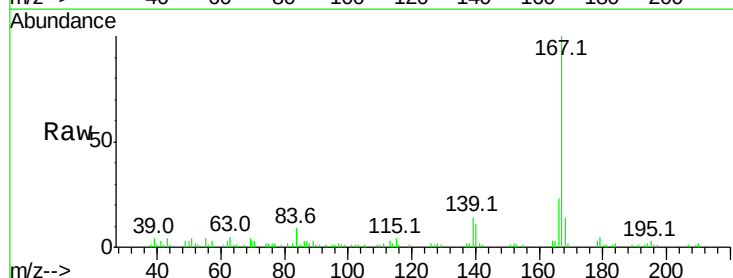
RT: 11.35 min Scan# 854

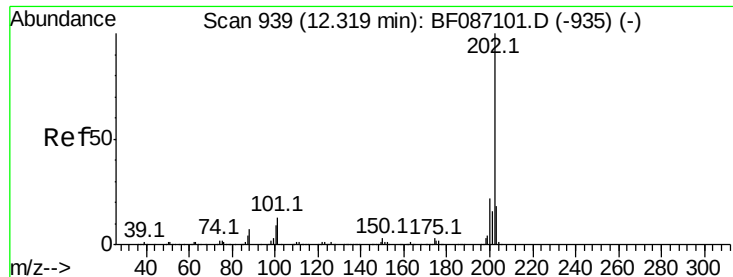
Delta R.T. -0.02 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.7	26.5
139	13.7	10.8	16.2





#74

Fluoranthene

Concen: 36.84 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Instrument :

BNA_F

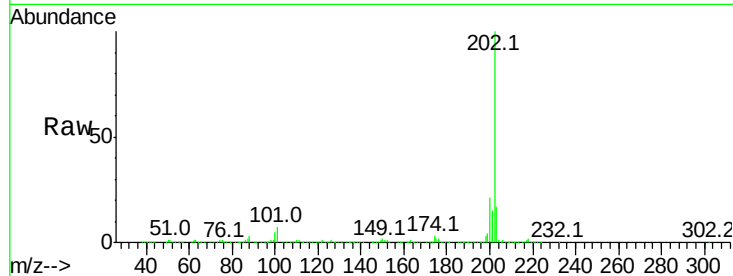
ClientSampleId :

SPARTAPARK-1542-00(0-2)RE

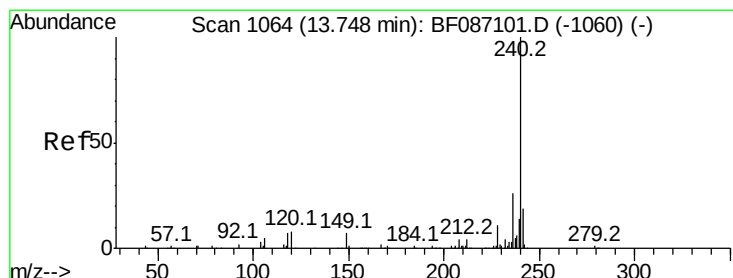
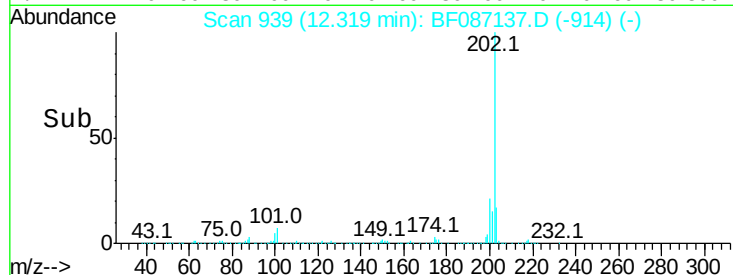
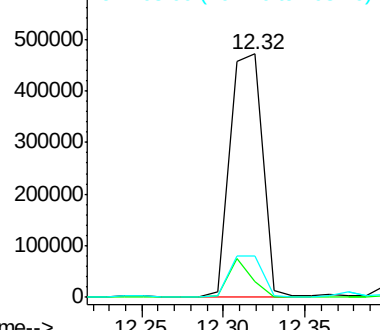
Tot Ion:	202	Resp:	654555
Ion Ratio		Lower	Upper
202	100		
101	6.7	0.0	35.4
203	17.2	0.0	38.1

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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

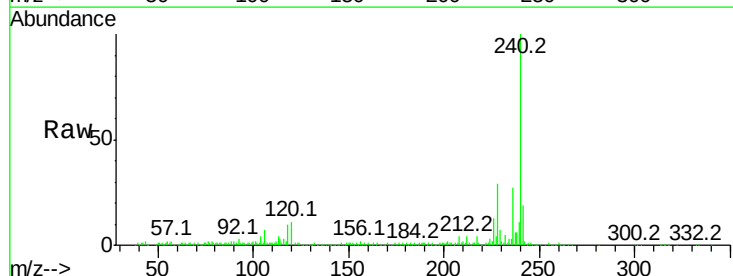
RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

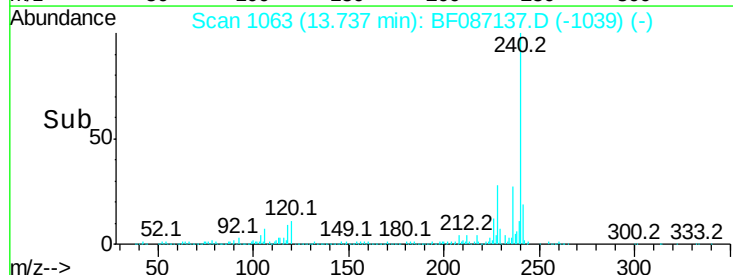
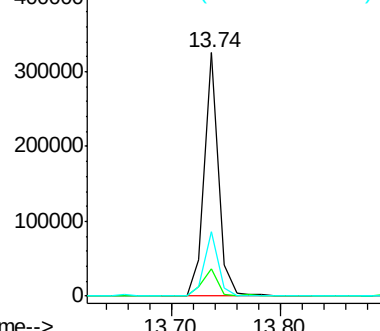
Lab File: BF087137.D

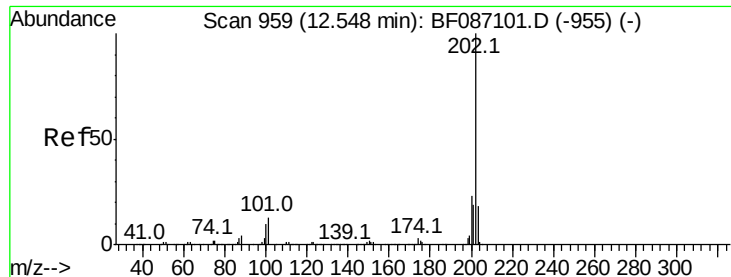
Acq: 18 May 2016 8:05

Tgt Ion:	240	Resp:	290809
Ion Ratio		Lower	Upper
240	100		
120	11.1	11.2	16.8#
236	26.7	21.2	31.8



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: 27.64 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Instrument :

BNA_F

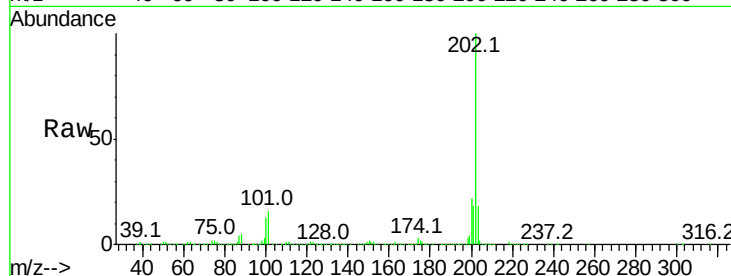
ClientSampleId :

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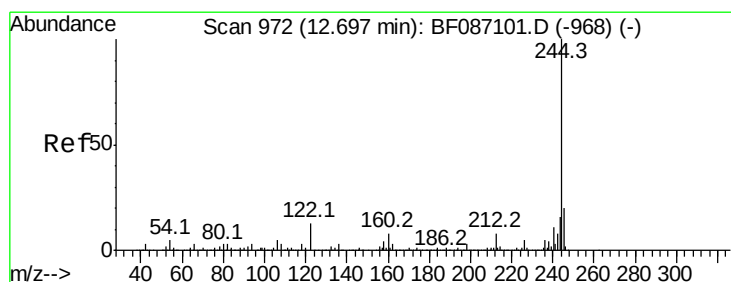
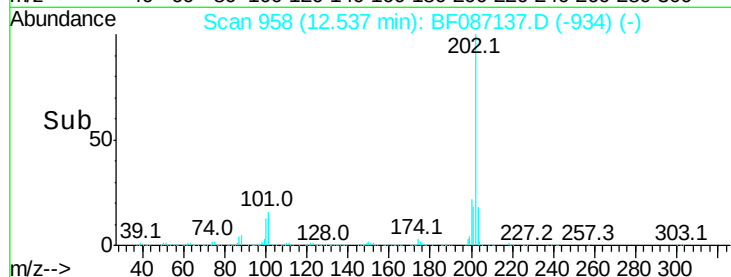
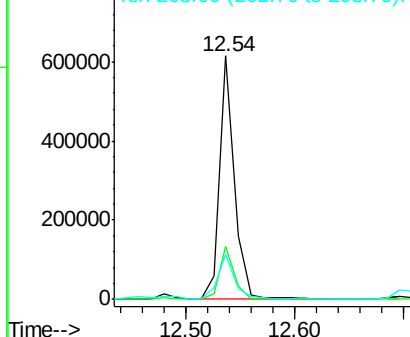
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.8	17.7	26.5		
203	18.4	14.2	21.4		

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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: 54.89 ng

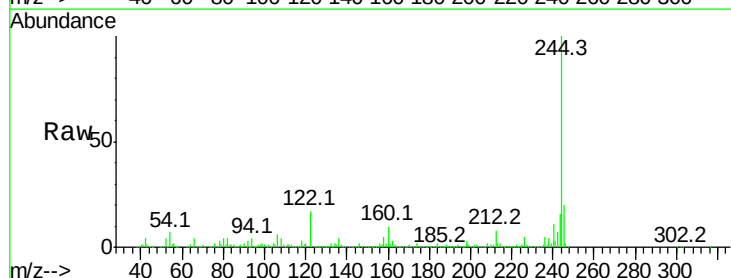
RT: 12.69 min Scan# 971

Delta R.T. -0.02 min

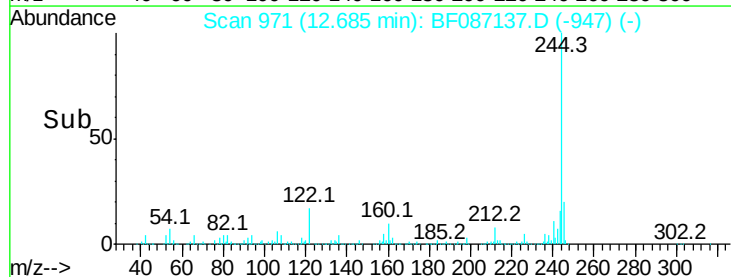
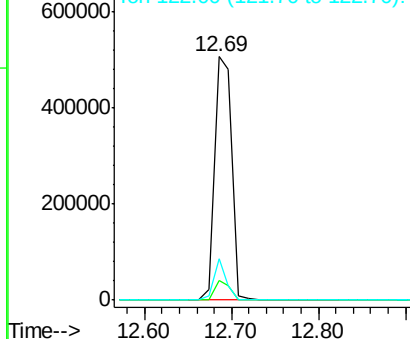
Lab File: BF087137.D

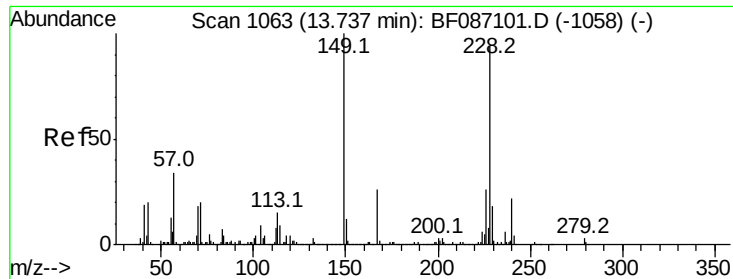
Acq: 18 May 2016 8:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	8.0	6.2	9.2		
122	17.1	12.0	18.0		



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





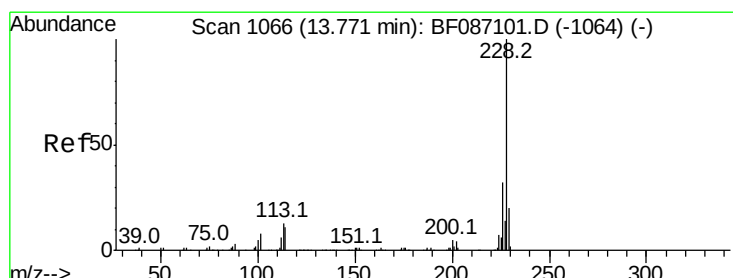
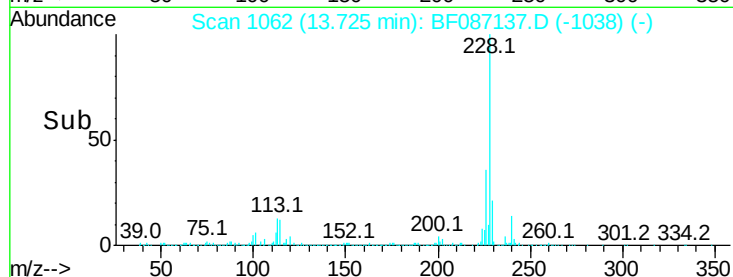
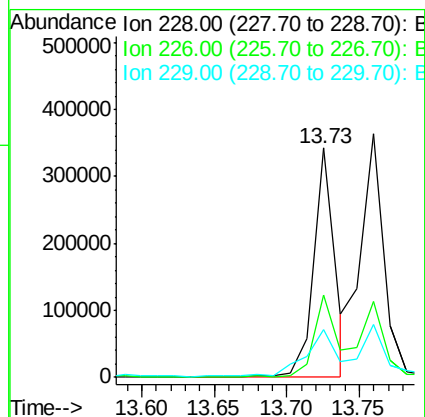
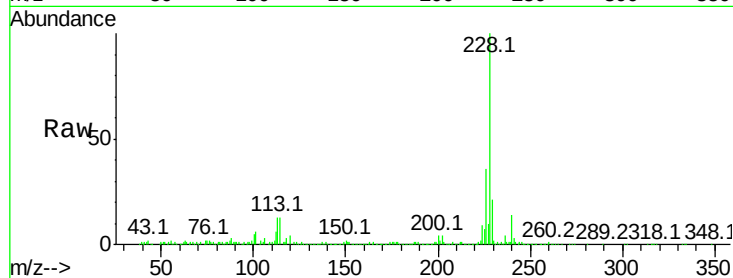
#80
Benzo(a)anthracene
Concen: 20.50 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087137.D
Acq: 18 May 2016 8:05

Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.7	22.5	33.7#
229	21.0	16.6	25.0

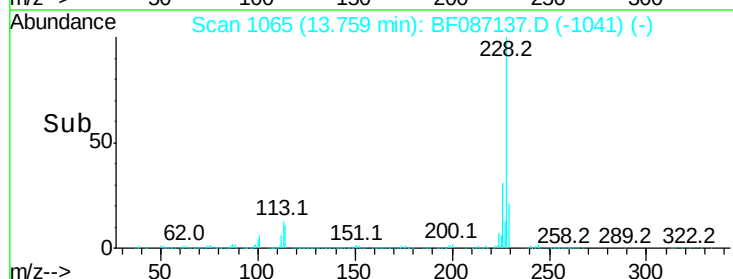
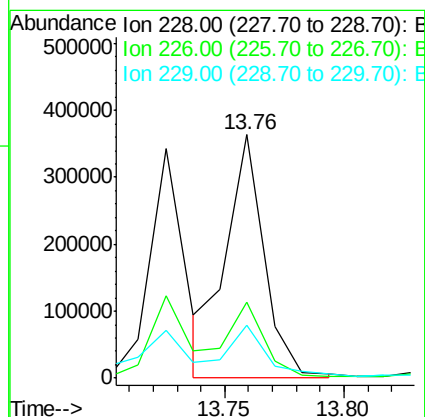
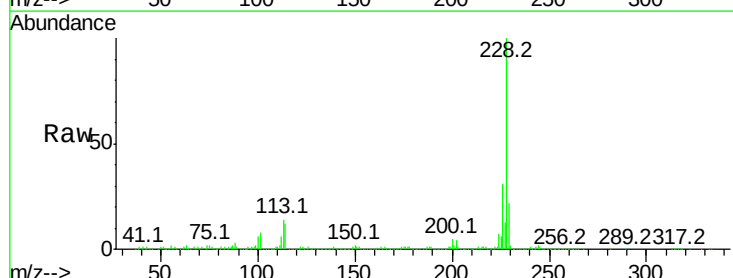
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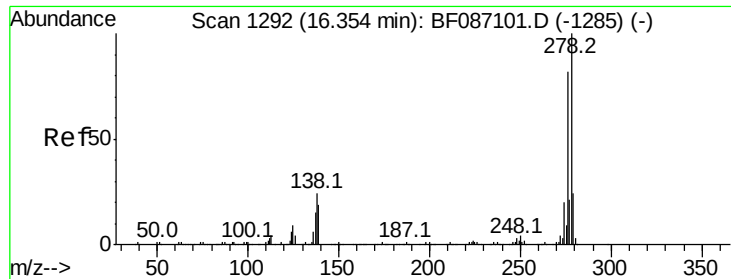
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#82
Chrysene
Concen: 24.72 ng m
RT: 13.76 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BF087137.D
Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	22.0	15.8	23.8





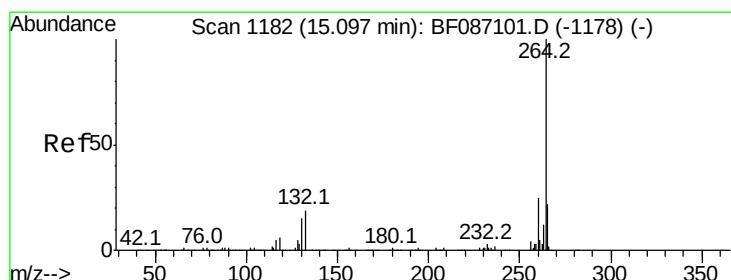
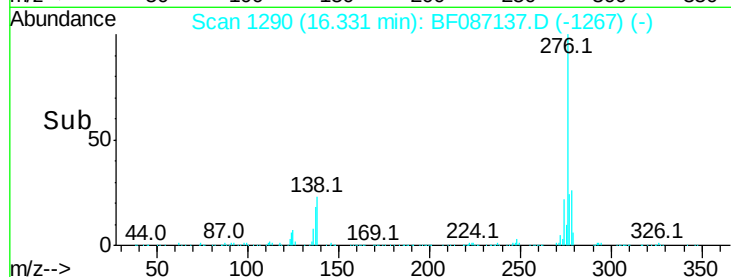
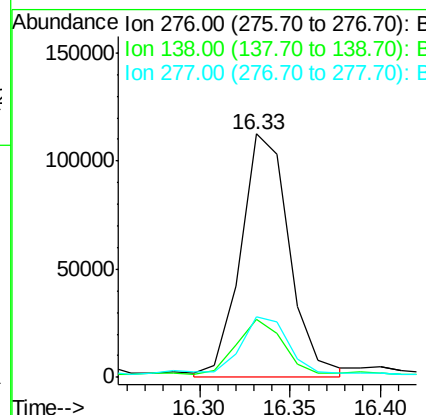
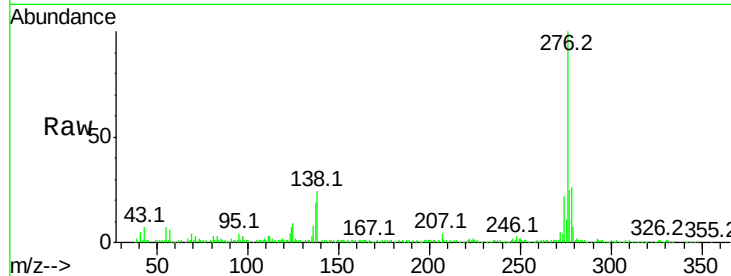
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.81 ng/ml
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.03 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Instrument :
 BNA_F
 ClientSampleId :
 SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	6.0	25.6	38.4#
277	4.8	20.5	30.7#

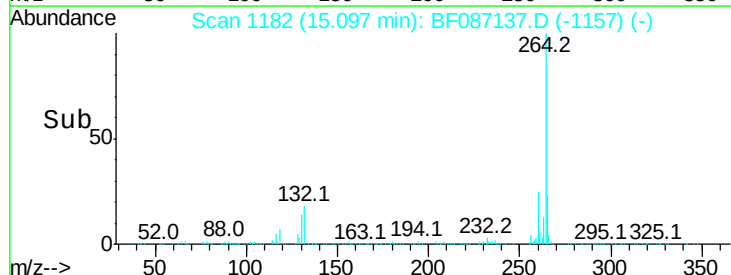
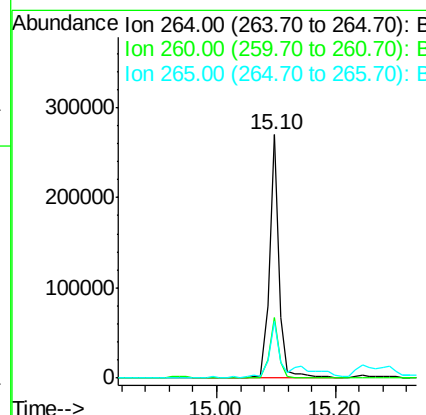
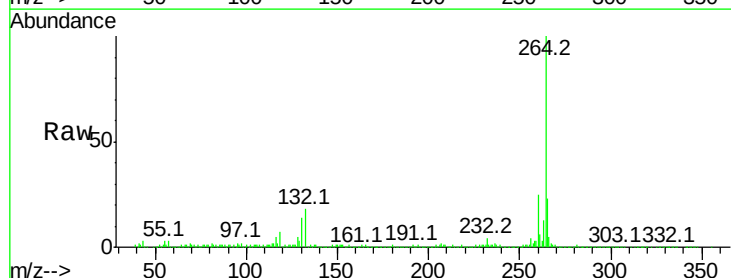
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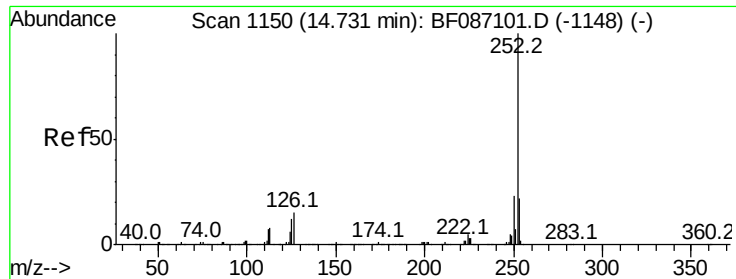
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.9	19.5	29.3
265	23.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 30.69 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087137.D

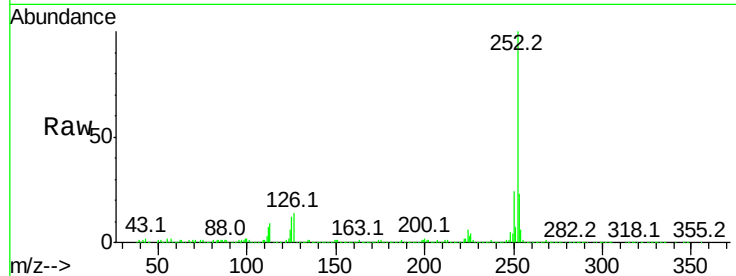
Acq: 18 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

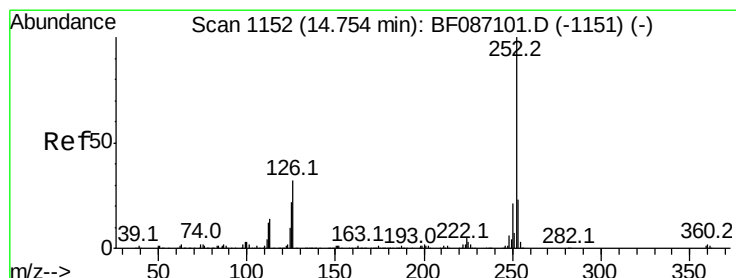
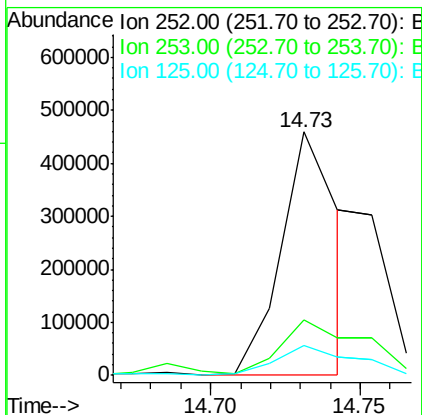
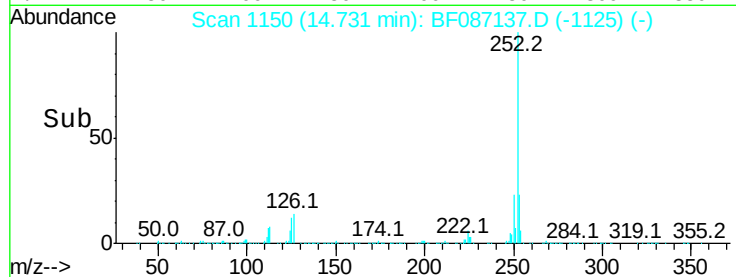
SPARTAPARK-1542-00(0-2)RE



Tot Ion	Ratio	Resp	Lower	Upper
252	100	619154		
253	22.8	17.8	26.6	
125	12.3	11.4	17.0	

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#88

Benzo(k)fluoranthene

Concen: 16.30 ng m

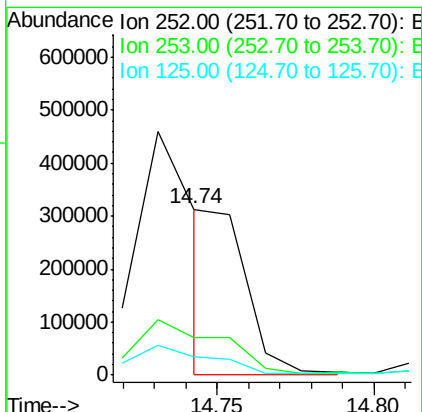
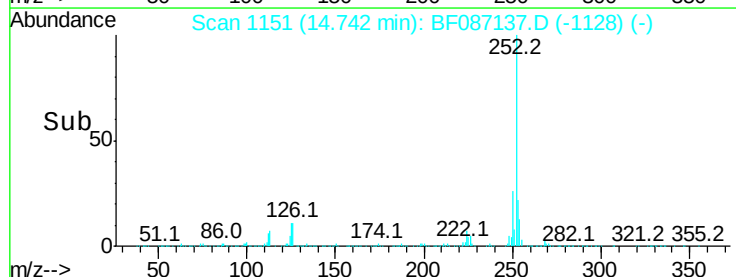
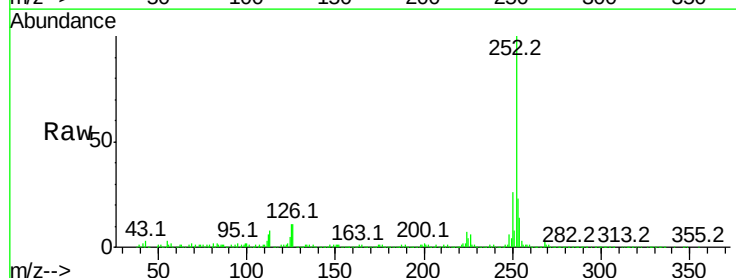
RT: 14.74 min Scan# 1151

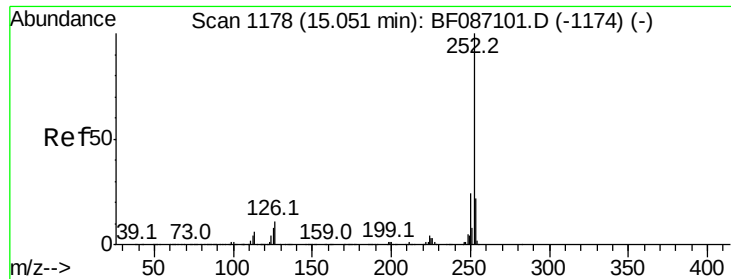
Delta R.T. -0.03 min

Lab File: BF087137.D

Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	244819		
253	22.8	17.8	26.6	
125	11.1	9.1	13.7	





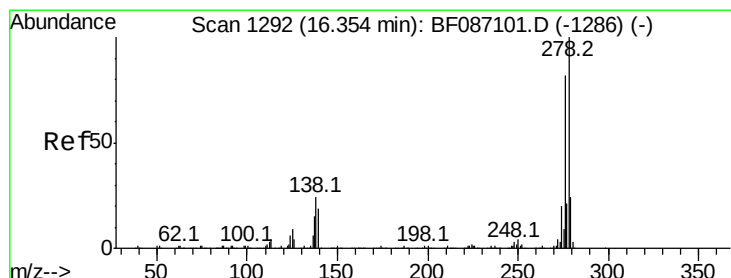
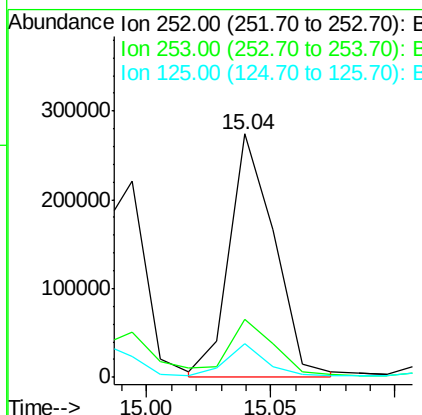
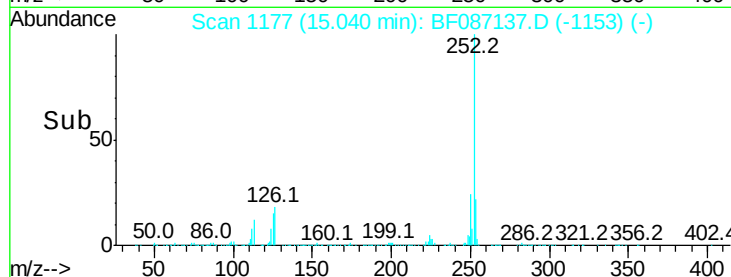
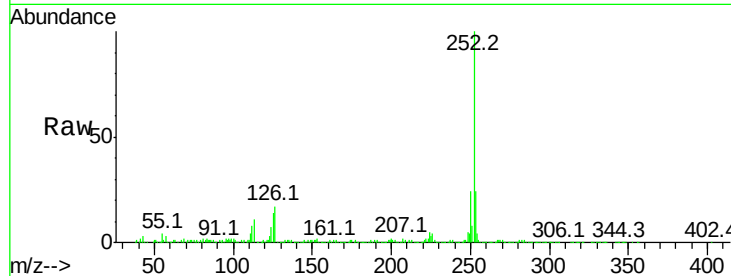
#89
Benzo(a)pyrene
Concen: 20.36 ng m
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF087137.D
Acq: 18 May 2016 8:05

Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.7	17.2	25.8
125	14.0	9.0	13.6

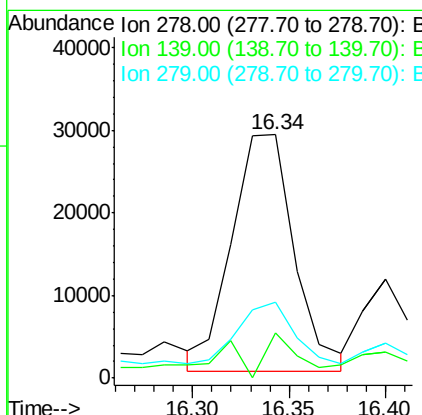
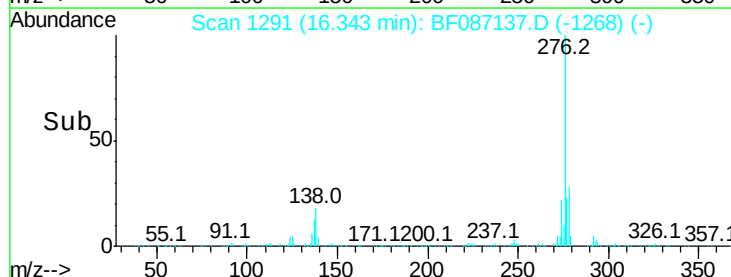
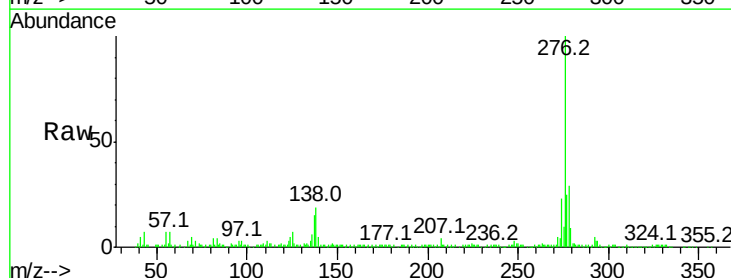
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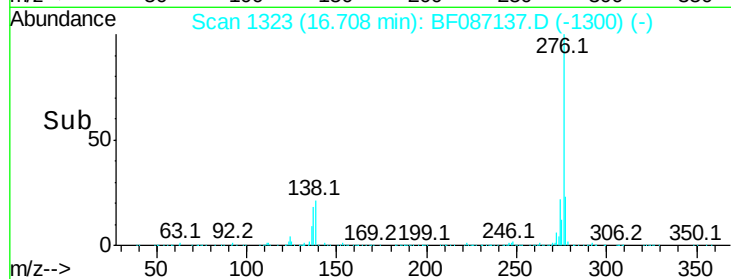
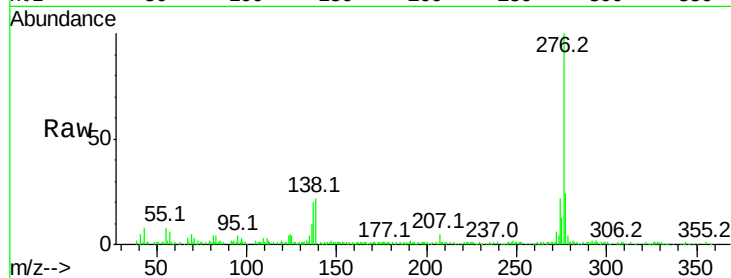
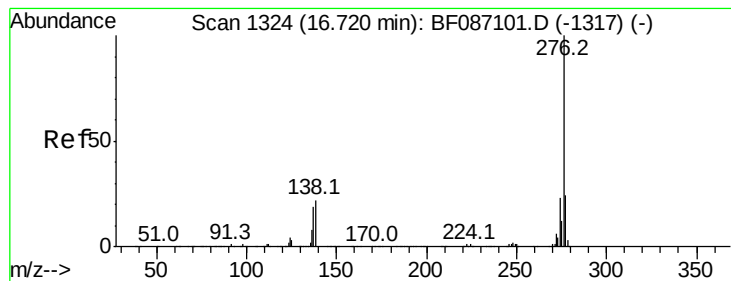
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#90
Dibenzo(a,h)anthracene
Concen: 4.52 ng m
RT: 16.34 min Scan# 1291
Delta R.T. -0.03 min
Lab File: BF087137.D
Acq: 18 May 2016 8:05

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	18.8	16.6	24.8
279	31.0	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 11.78 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF087137.D
 Acq: 18 May 2016 8:05

Instrument :
 BNA_F
 ClientSampleId :
 SPARTAPARK-1542-00(0-2)RE

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	19.6	29.4
138	22.1	23.6	35.4

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