

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087192.D
 Acq On : 19 May 2016 17:39
 Operator : UM/SJ
 Sample : H3161-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

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Quant Time: May 20 13:23:54 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	6.57	152	139442	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	567146	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	271047	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	463197	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	300736	20.00	ng	-0.06
86) Perylene-d12	15.05	264	277141	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	1036211	124.91	ng	-0.05
7) Phenol-d6	6.24	99	1449028	130.23	ng	-0.05
23) Nitrobenzene-d5	7.14	82	923170	81.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	391524	130.72	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1483689	90.66	ng	-0.05
78) Terphenyl-d14	12.66	244	1098851	82.65	ng	-0.05
Target Compounds						Qvalue
6) Aniline	6.24	93	179882m	12.73	ng	
49) Dimethylphthalate	9.34	163	308490	14.92	ng	99
70) Phenanthrene	11.10	178	101119	4.03	ng	99
74) Fluoranthene	12.28	202	80804	3.21	ng	92
77) Pyrene	12.50	202	65480	3.01	ng	96
79) Butylbenzylphthalate	13.14	149	38239	4.17	ng	92
83) Bis(2-ethylhexyl)phthalate	13.70	149	315821	28.29	ng	97

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

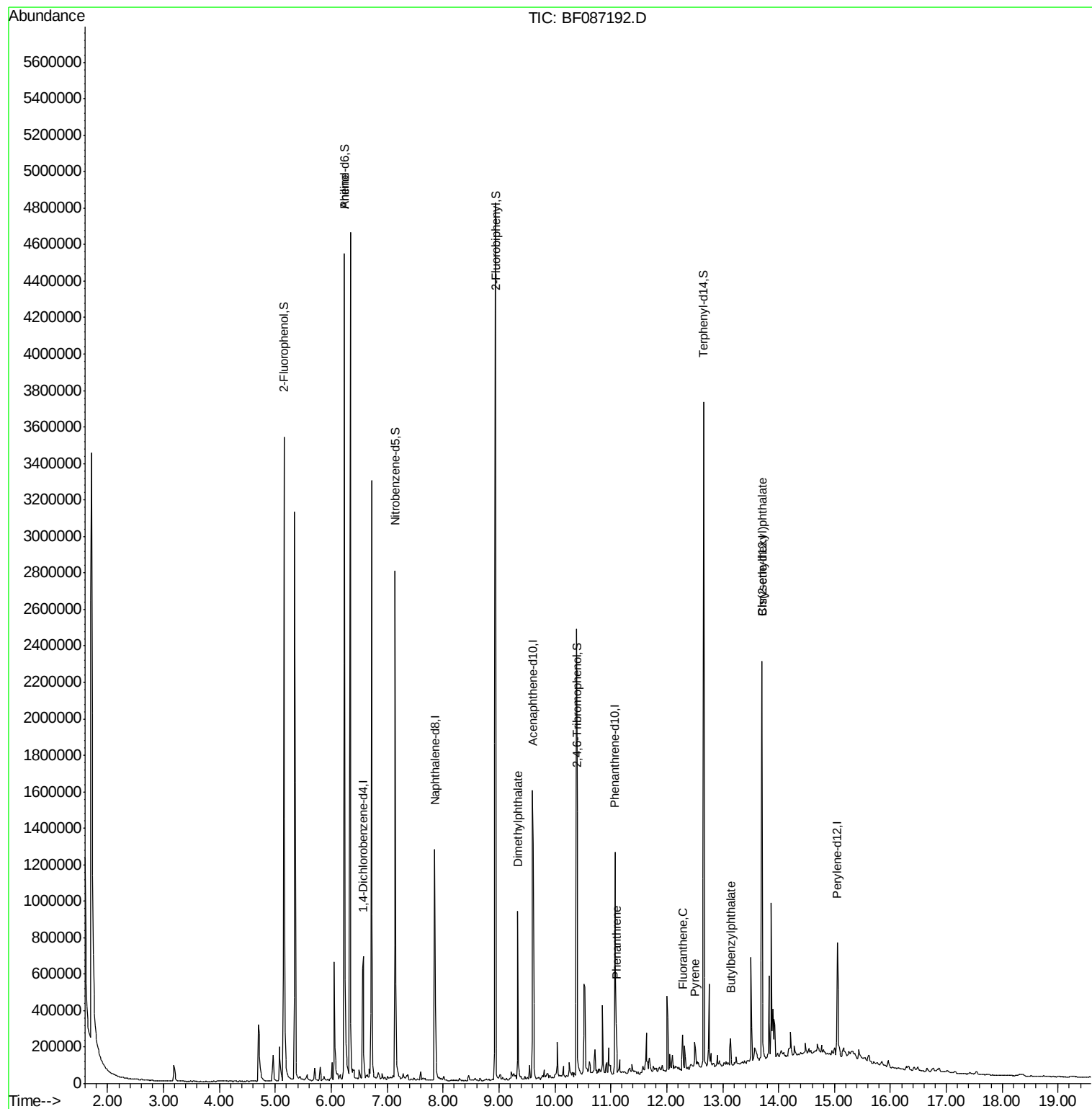
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
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ALS Vial : 9 Sample Multiplier: 1

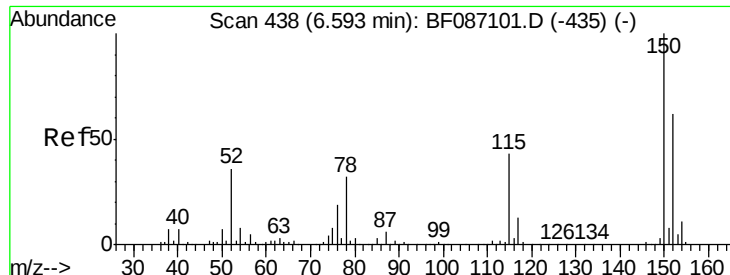
Instrument :
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Quant Time: May 20 13:23:54 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087192.D

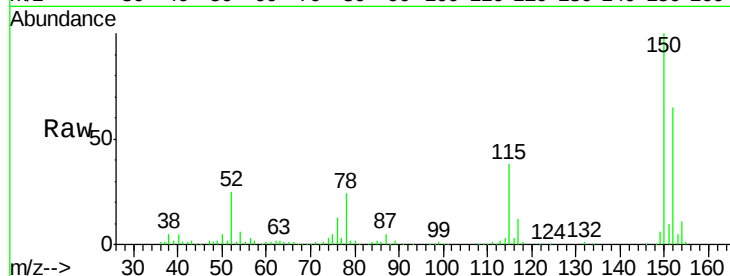
Acq: 19 May 2016 17:39

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:152 Resp: 139442

Ion Ratio Lower Upper

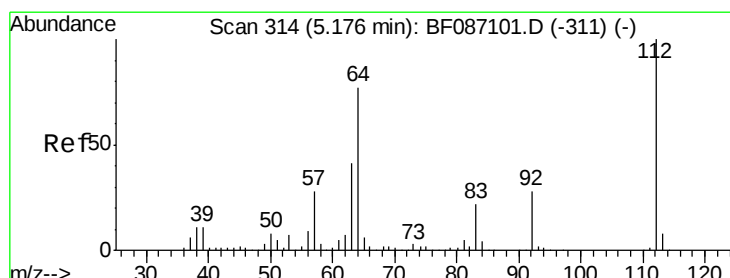
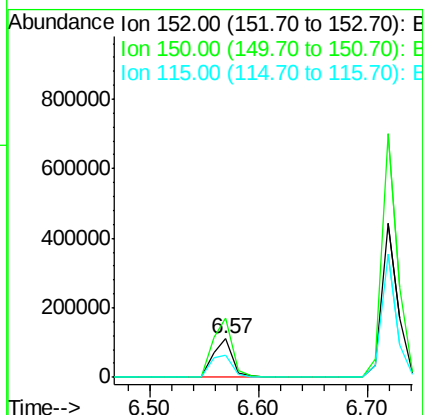
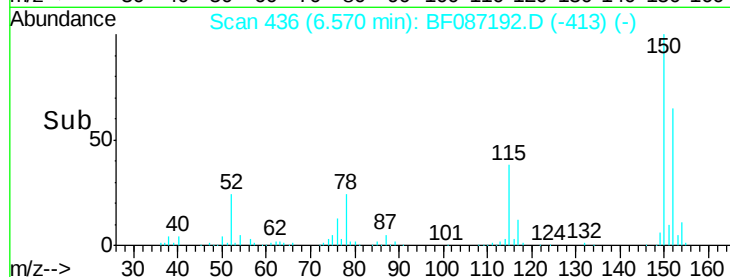
152 100

150 153.9 125.8 188.6

115 57.8 51.5 77.3

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#5

2-Fluorophenol

Concen: 124.91 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087192.D

Acq: 19 May 2016 17:39

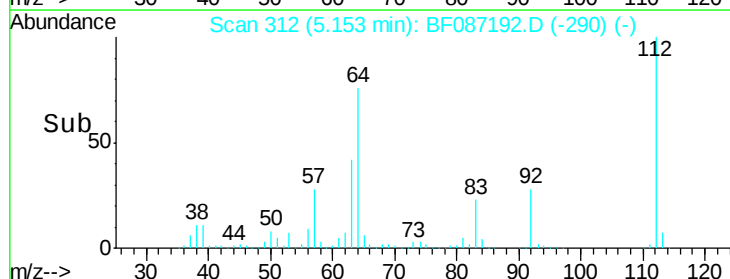
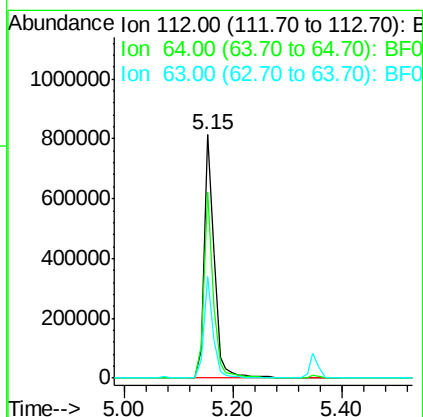
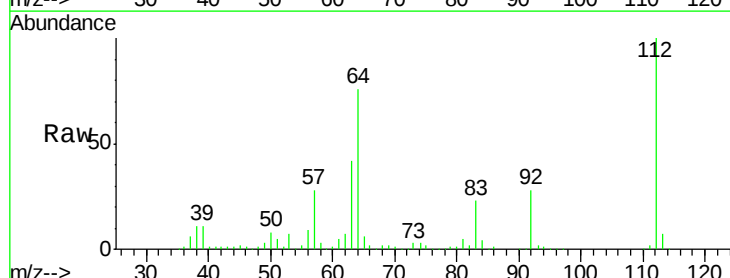
Tgt Ion:112 Resp: 1036211

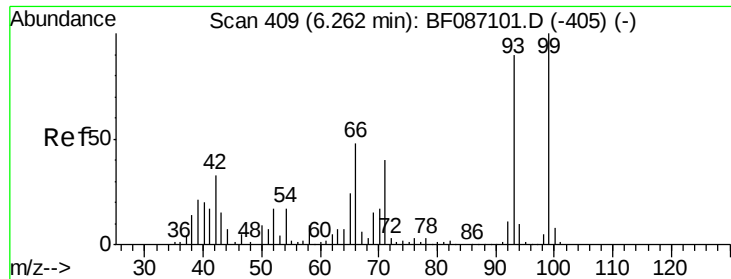
Ion Ratio Lower Upper

112 100

64 76.3 52.1 78.1

63 41.8 25.7 38.5#





#6

Aniline

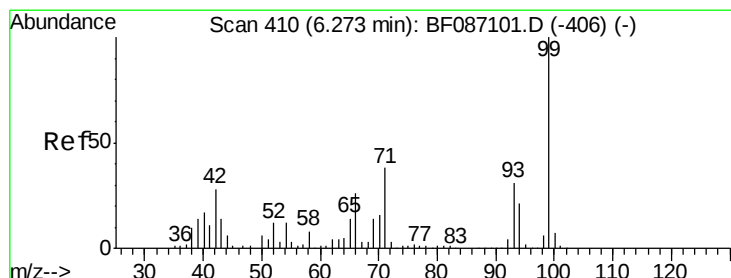
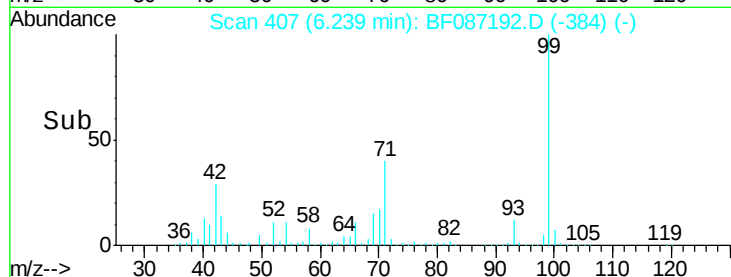
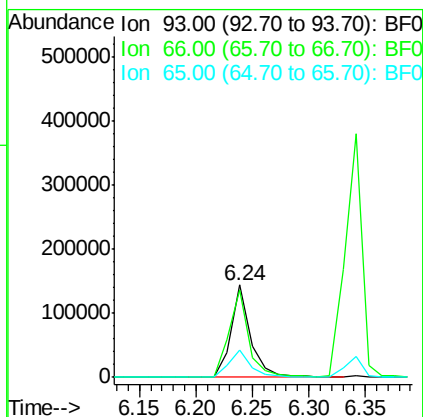
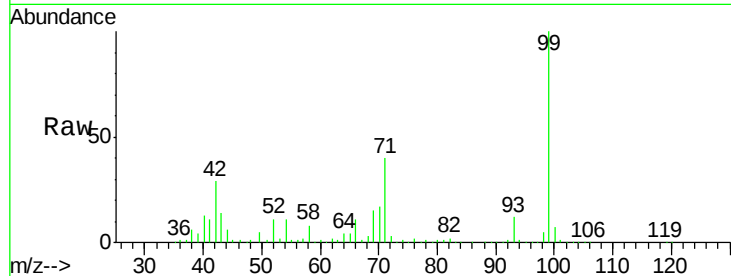
Concen: 12.73 ng m
RT: 6.24 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
93	100		
66	94.0	39.0	58.6#
65	30.0	20.6	31.0

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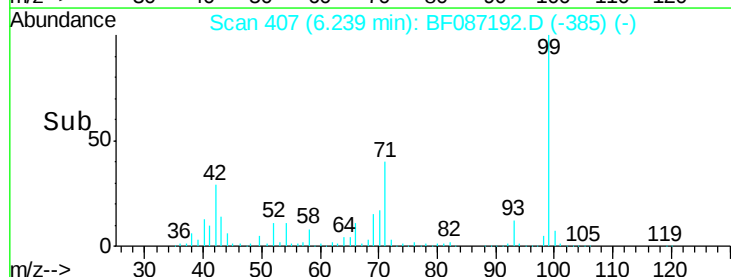
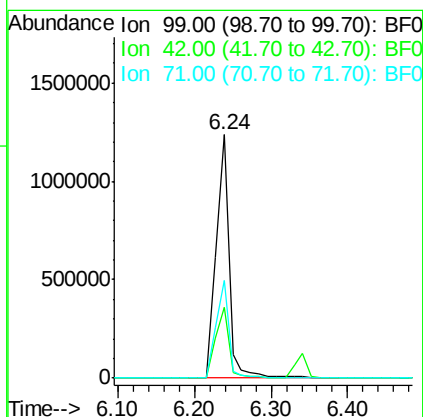
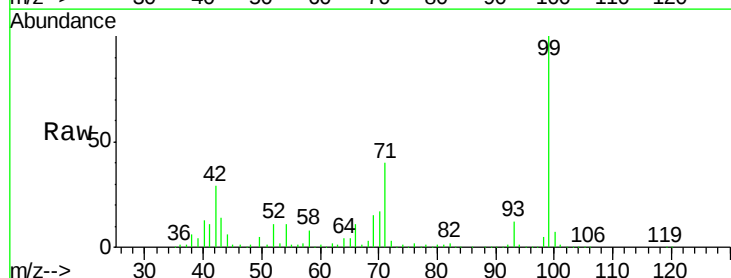


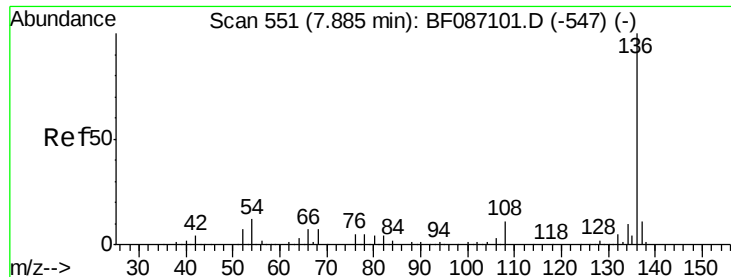
#7

Phenol-d6

Concen: 130.23 ng
RT: 6.24 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Tgt Ion	Ratio	Lower	Upper
99	100		
42	29.0	13.6	20.4#
71	40.2	24.6	36.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087192.D

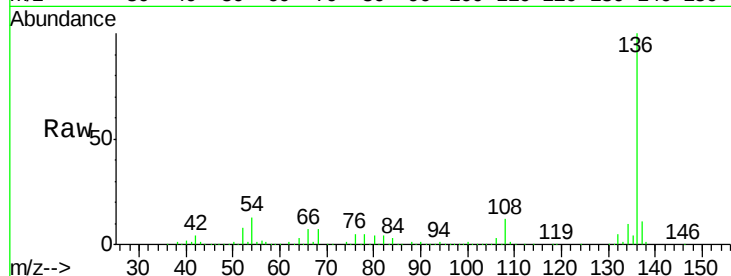
Acq: 19 May 2016 17:39

Instrument :

BNA_F

ClientSampleId :

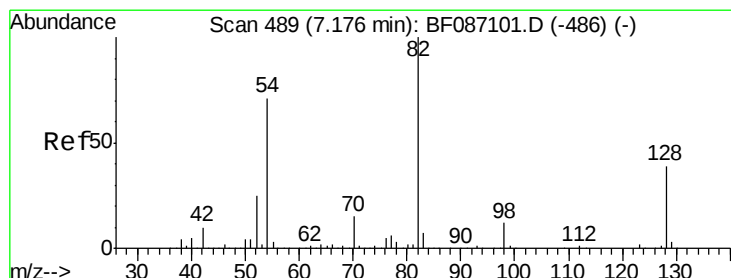
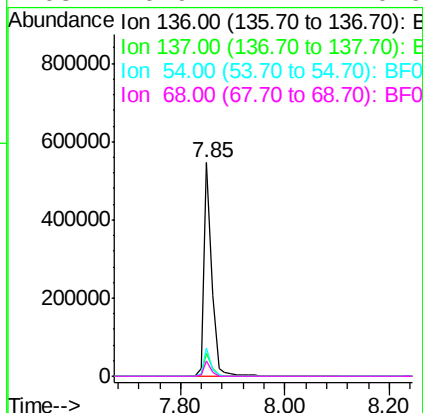
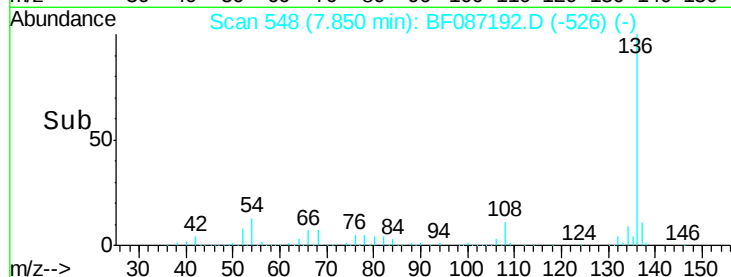
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Tgt Ion	Ratio	Resp	Lower	Upper
136	100	567146		
137	11.1	8.8	13.2	
54	13.5	5.0	7.4#	
68	6.9	4.4	6.6#	

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#23

Nitrobenzene-d5

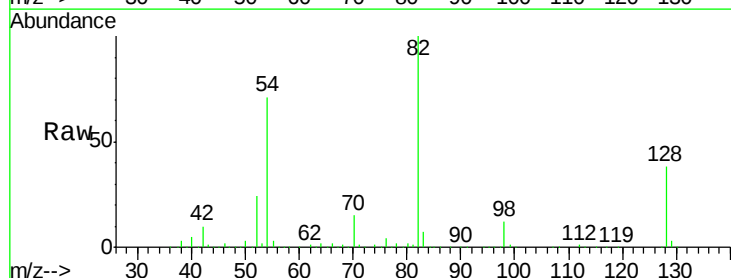
Concen: 81.12 ng

RT: 7.14 min Scan# 486

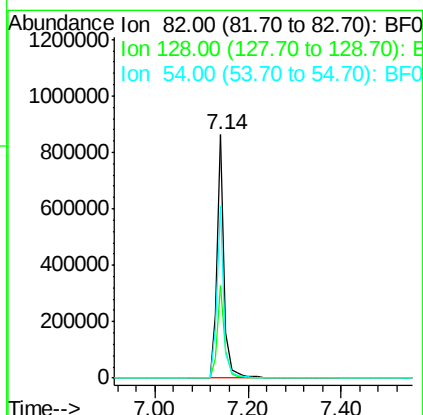
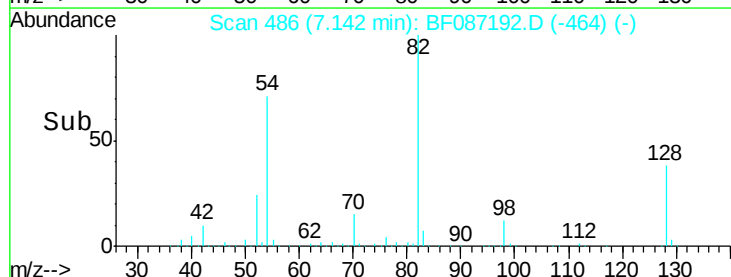
Delta R.T. -0.05 min

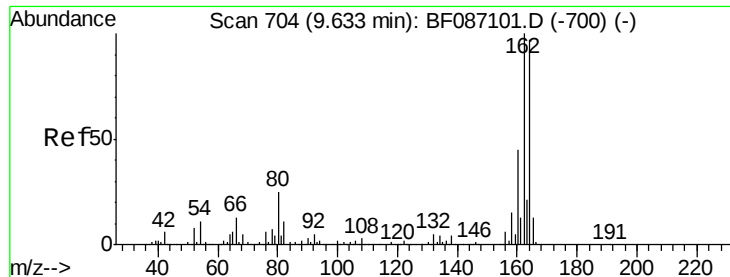
Lab File: BF087192.D

Acq: 19 May 2016 17:39



Tgt Ion	Ratio	Resp	Lower	Upper
82	100	923170		
128	38.0	40.6	61.0#	
54	70.7	38.1	57.1#	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF087192.D

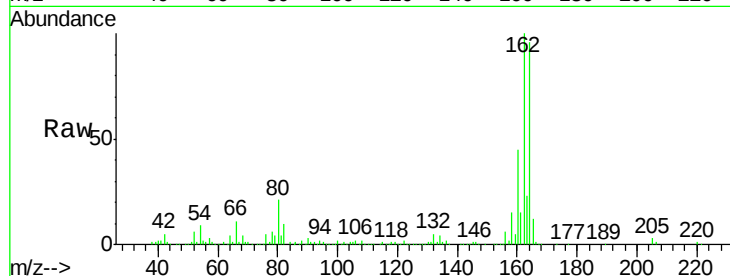
Acq: 19 May 2016 17:39

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS



Tgt Ion:164 Resp: 271047

Ion Ratio Lower Upper

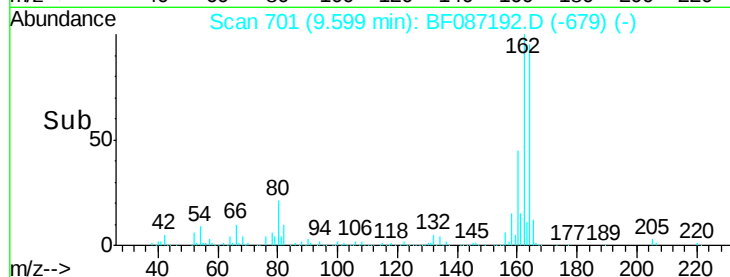
164 100

162 104.1 82.8 124.2

160 47.0 36.9 55.3

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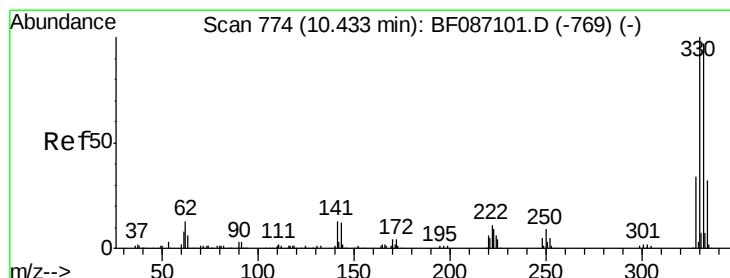
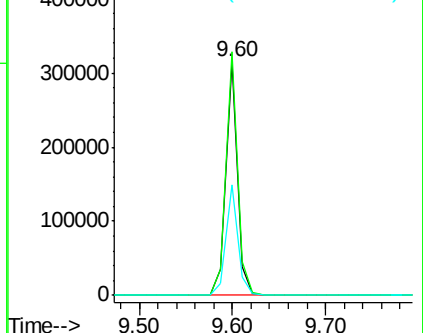
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 130.72 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.05 min

Lab File: BF087192.D

Acq: 19 May 2016 17:39

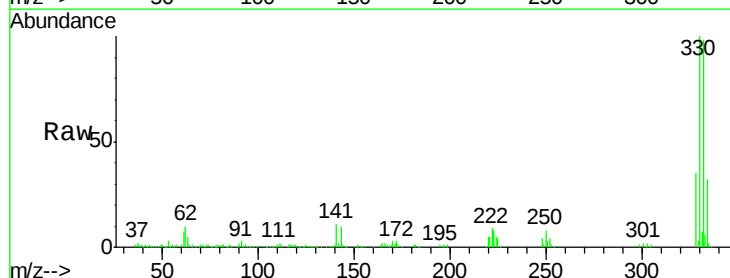
Tgt Ion:330 Resp: 391524

Ion Ratio Lower Upper

330 100

332 97.2 79.0 118.4

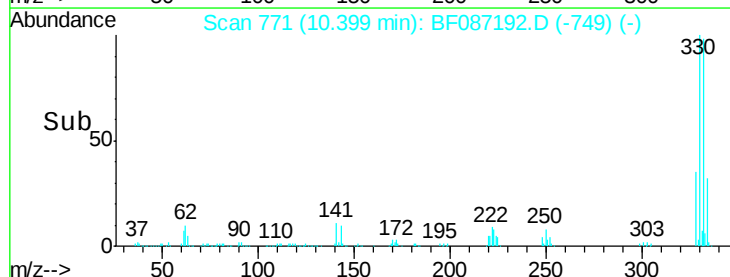
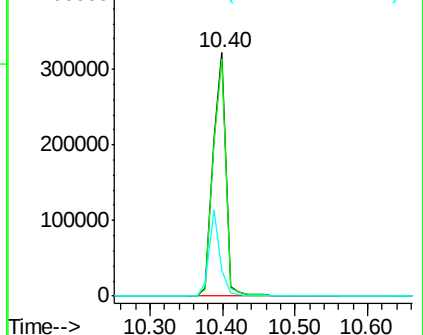
141 31.1 31.2 46.8#

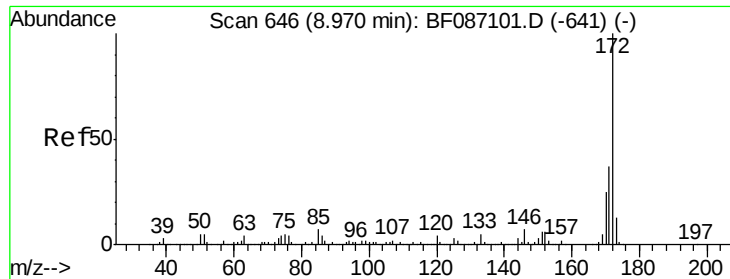


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.66 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.05 min

Lab File: BF087192.D

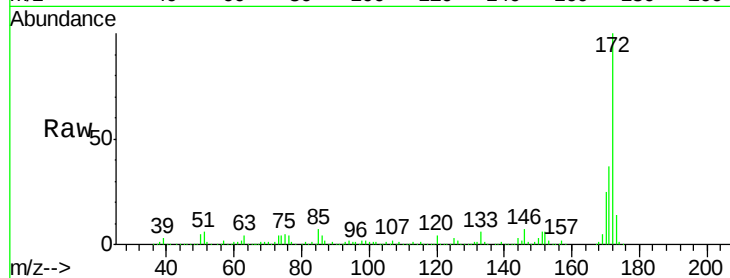
Acq: 19 May 2016 17:39

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:172 Resp: 1483689

Ion Ratio Lower Upper

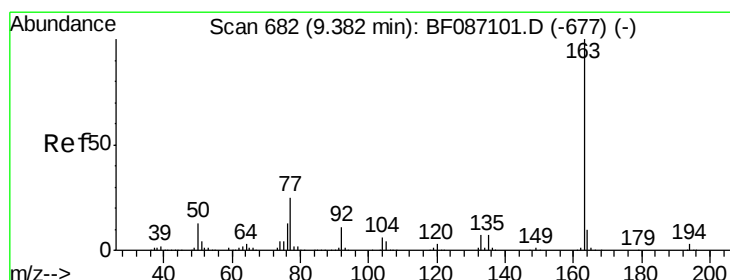
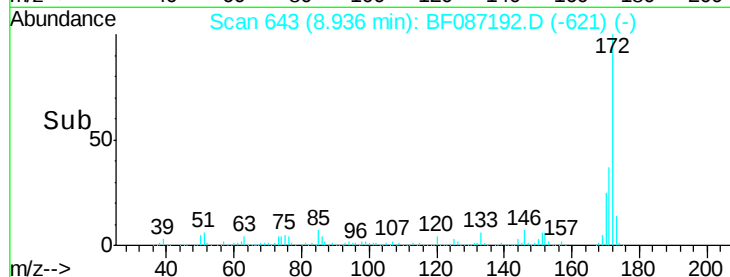
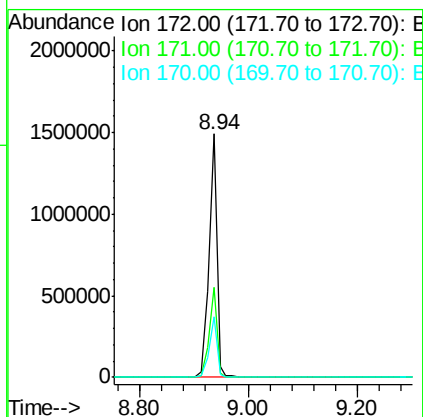
172 100

171 36.8 29.0 43.6

170 25.0 19.8 29.8

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#49

Dimethylphthalate

Concen: 14.92 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF087192.D

Acq: 19 May 2016 17:39

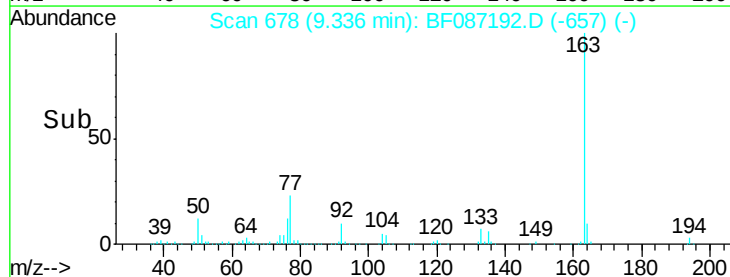
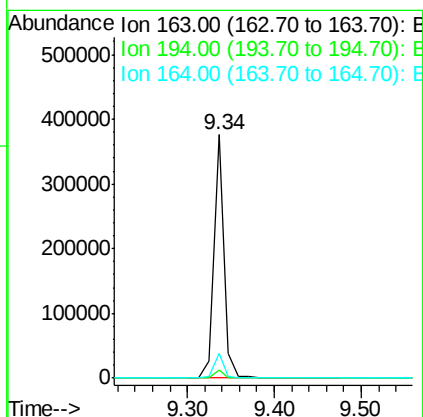
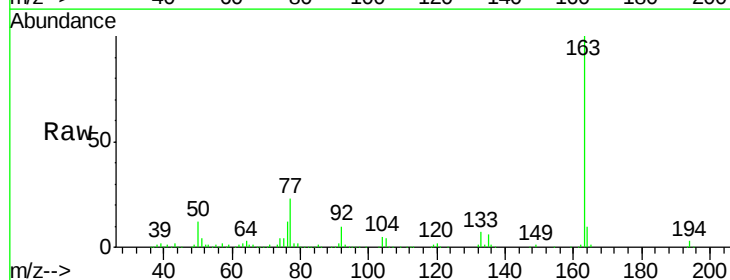
Tgt Ion:163 Resp: 308490

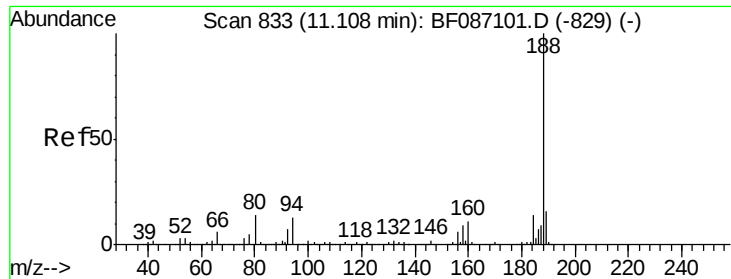
Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

164 10.1 8.2 12.4





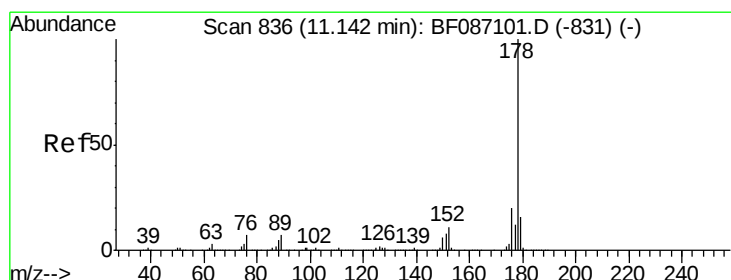
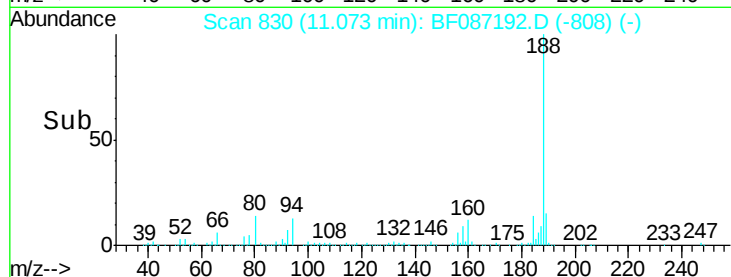
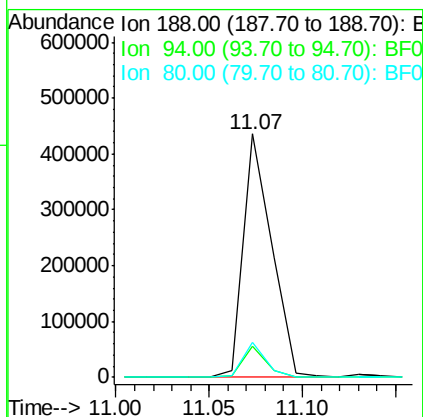
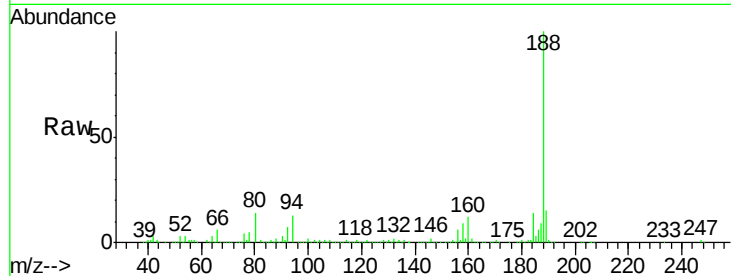
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.6	6.8	10.2#
80	14.3	7.1	10.7#

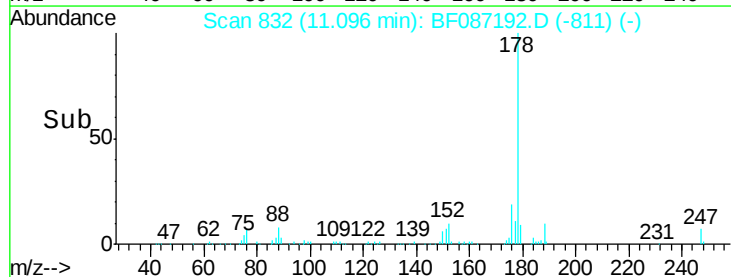
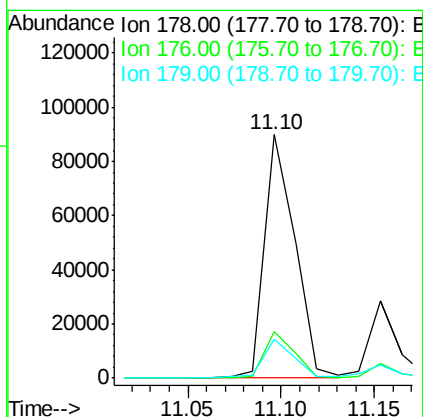
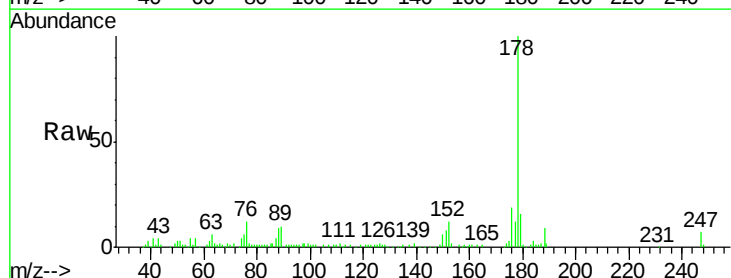
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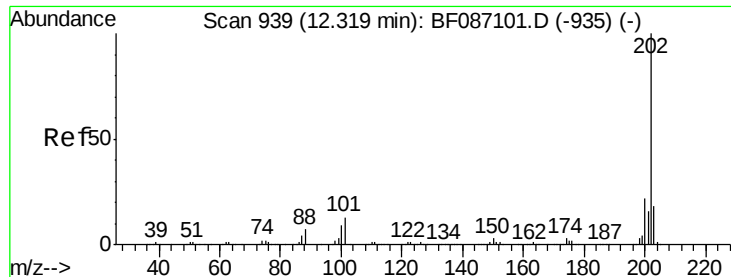
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#70
Phenanthrene
Concen: 4.03 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.06 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	16.0	24.0
179	15.9	12.6	18.8





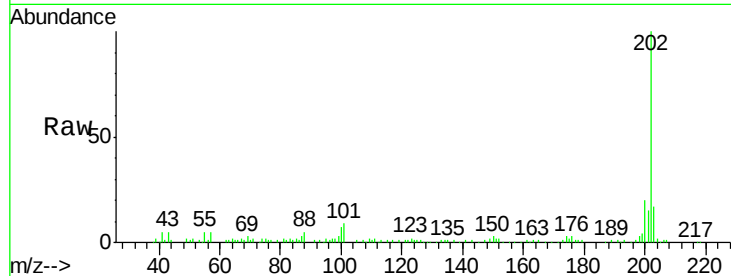
#74
Fluoranthene
Concen: 3.21 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.05 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

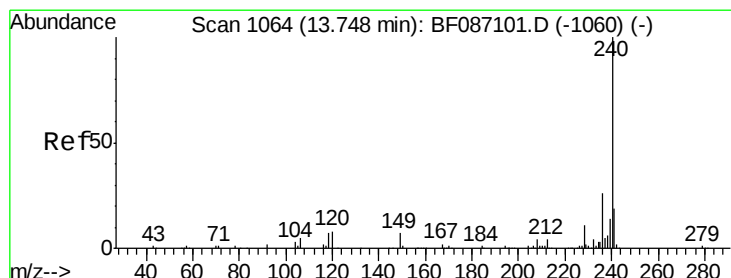
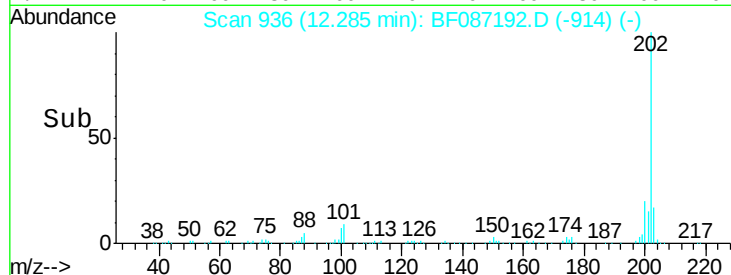
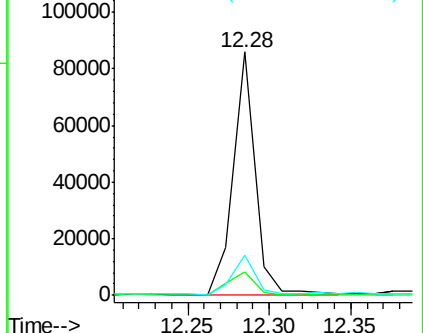
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.4	0.0	35.4
203	16.5	0.0	38.1

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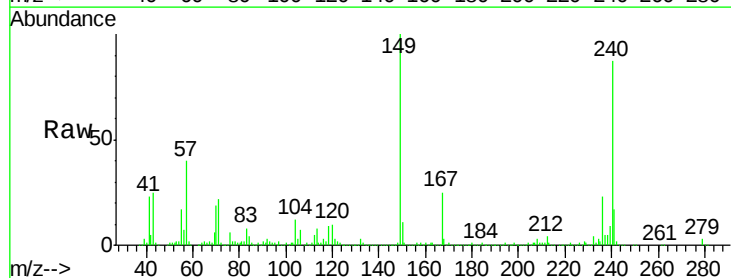


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

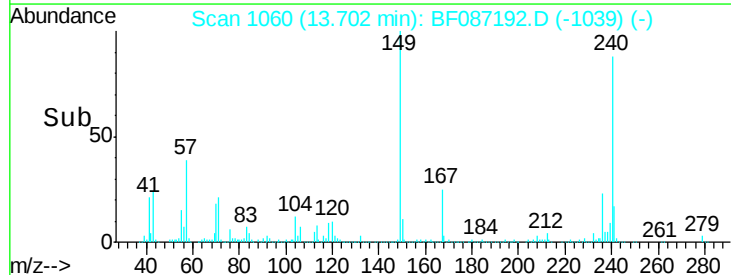
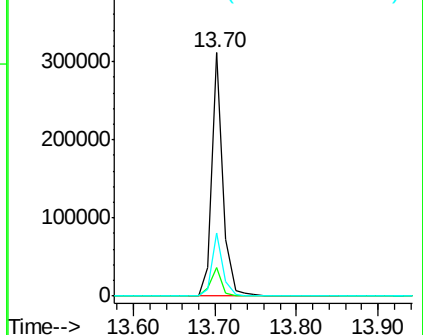


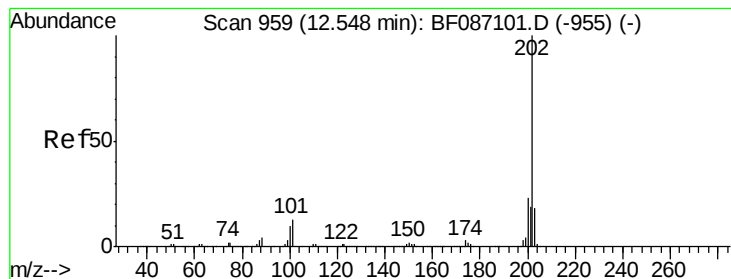
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.06 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.7	11.2	16.8
236	26.0	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

Pyrene

Concen: 3.01 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.06 min

Lab File: BF087192.D

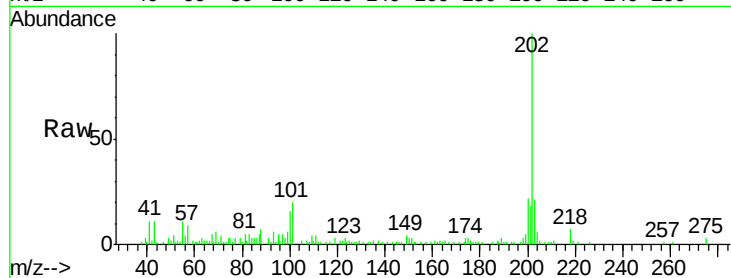
Acq: 19 May 2016 17:39

Instrument :

BNA_F

ClientSampleId :

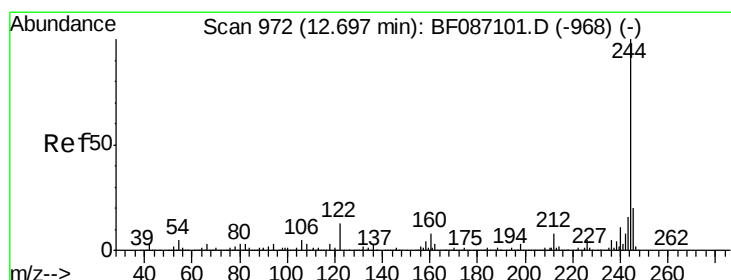
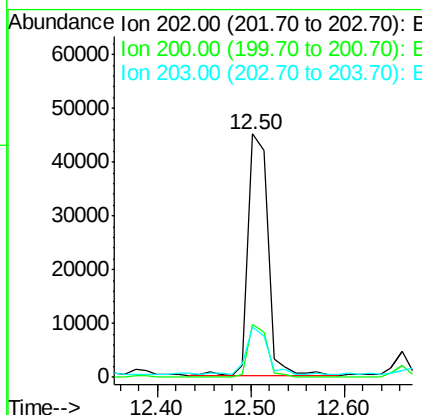
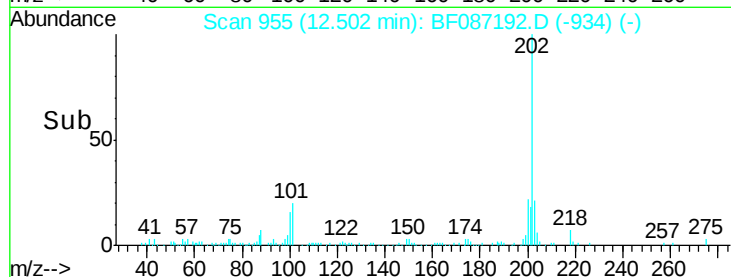
SOIL-CUTTINGS



Tgt Ion:	202	Resp:	65480
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	20.9	14.2	21.4

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#78

Terphenyl-d14

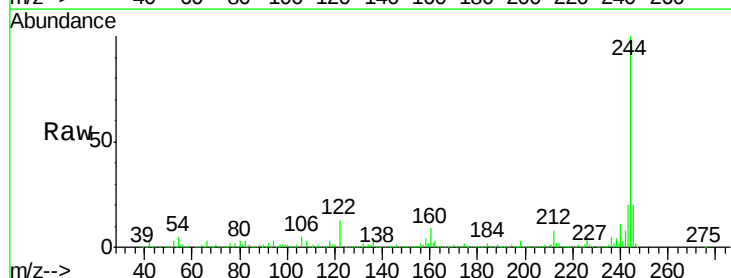
Concen: 82.65 ng

RT: 12.66 min Scan# 969

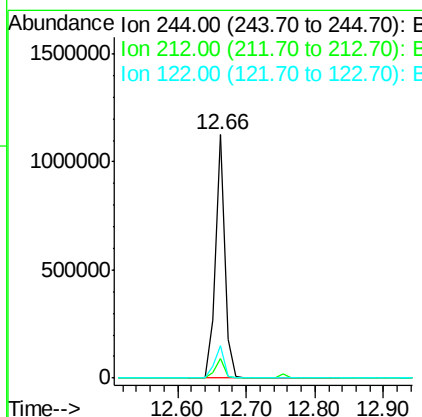
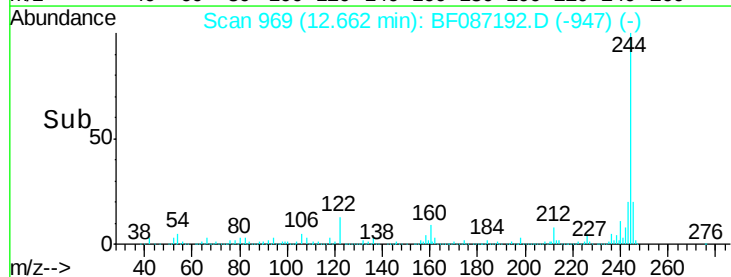
Delta R.T. -0.05 min

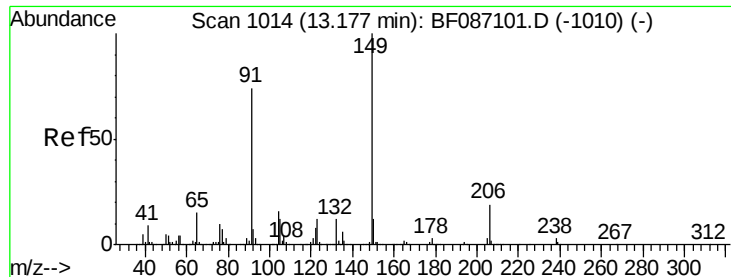
Lab File: BF087192.D

Acq: 19 May 2016 17:39



Tgt Ion:	244	Resp:	1098851
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.2
122	13.3	12.0	18.0





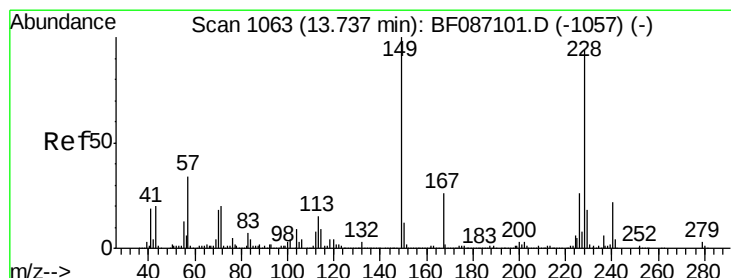
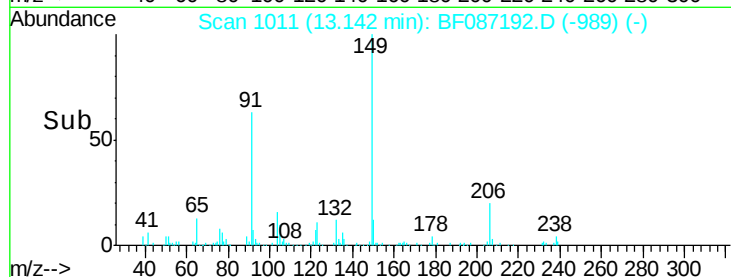
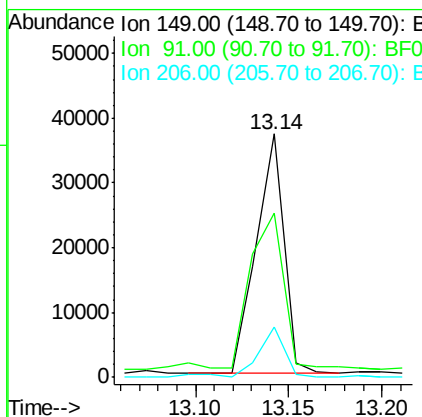
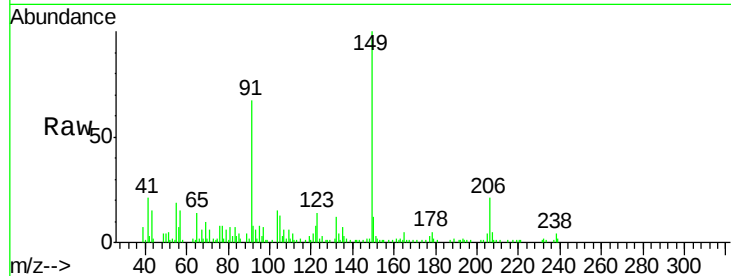
#79
 Butylbenzylphthalate
 Concen: 4.17 ng
 RT: 13.14 min Scan# 1011
 Delta R.T. -0.05 min
 Lab File: BF087192.D
 Acq: 19 May 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion:	149	Resp:	38239
Ion Ratio	Lower	Upper	
149	100		
91	67.3	48.0	72.0
206	20.5	15.8	23.6

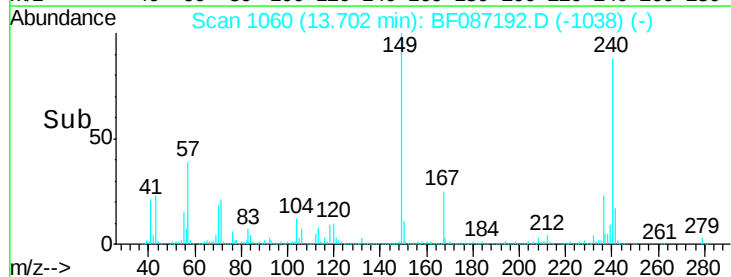
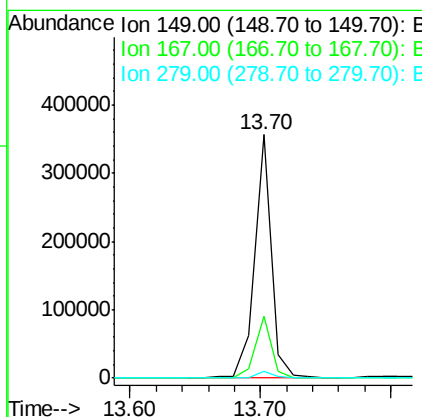
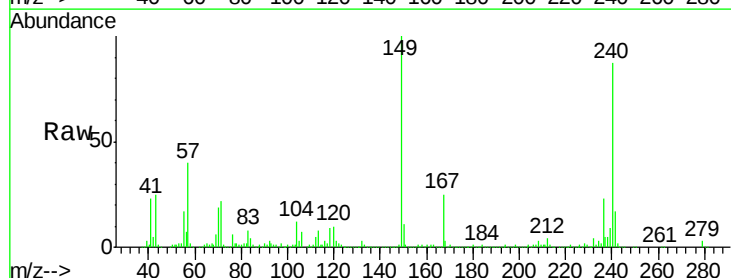
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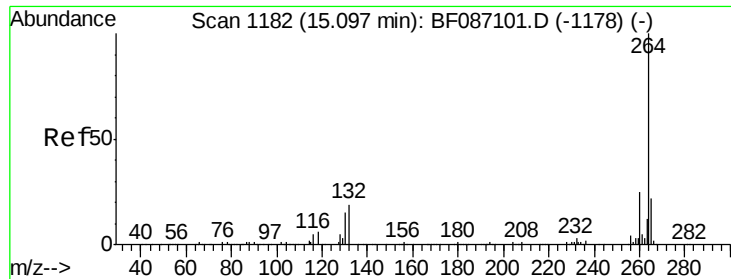
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 28.29 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.05 min
 Lab File: BF087192.D
 Acq: 19 May 2016 17:39

Tgt Ion:	149	Resp:	315821
Ion Ratio	Lower	Upper	
149	100		
167	25.3	21.8	32.6
279	2.8	2.6	4.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF087192.D
Acq: 19 May 2016 17:39

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		277141		
260	24.6	19.5	29.3		
265	22.4	17.3	25.9		

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