

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087374.D
 Acq On : 25 May 2016 16:10
 Operator : UM/SJ
 Sample : H3218-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-3(13-15)

Manual Integrations
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Quant Time: May 26 12:55:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 22:35:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	105591	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	429923	20.00	ng	0.00
38) Acenaphthene-d10	12.38	164	192123	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	324168	20.00	ng	0.00
75) Chrysene-d12	18.47	240	227713	20.00	ng	-0.01
86) Perylene-d12	20.14	264	211781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	930878	154.91	ng	0.01
7) Phenol-d6	7.06	99	1168726	143.94	ng	-0.01
23) Nitrobenzene-d5	8.43	82	754807	88.48	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	221630	120.04	ng	-0.01
44) 2-Fluorobiphenyl	11.32	172	968340	71.06	ng	-0.01
78) Terphenyl-d14	17.13	244	635063	59.29	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.03	93	35742	3.40	ng	97
31) Naphthalene	9.59	128	537852	24.97	ng	100
37) 2-Methylnaphthalene	10.71	142	87241	6.48	ng	# 94
49) Dimethylphthalate	12.02	163	201222	13.07	ng	99
70) Phenanthrene	14.81	178	76648	4.27	ng	99
74) Fluoranthene	16.57	202	75662	4.20	ng	95
77) Pyrene	16.88	202	79580	4.86	ng	97
80) Benzo(a)anthracene	18.46	228	46924	3.62	ng	# 93
82) Chrysene	18.50	228	46059	3.58	ng	# 89
87) Benzo(b)fluoranthene	19.74	252	38628m	2.86	ng	
89) Benzo(a)pyrene	20.09	252	29171	2.50	ng	# 80

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

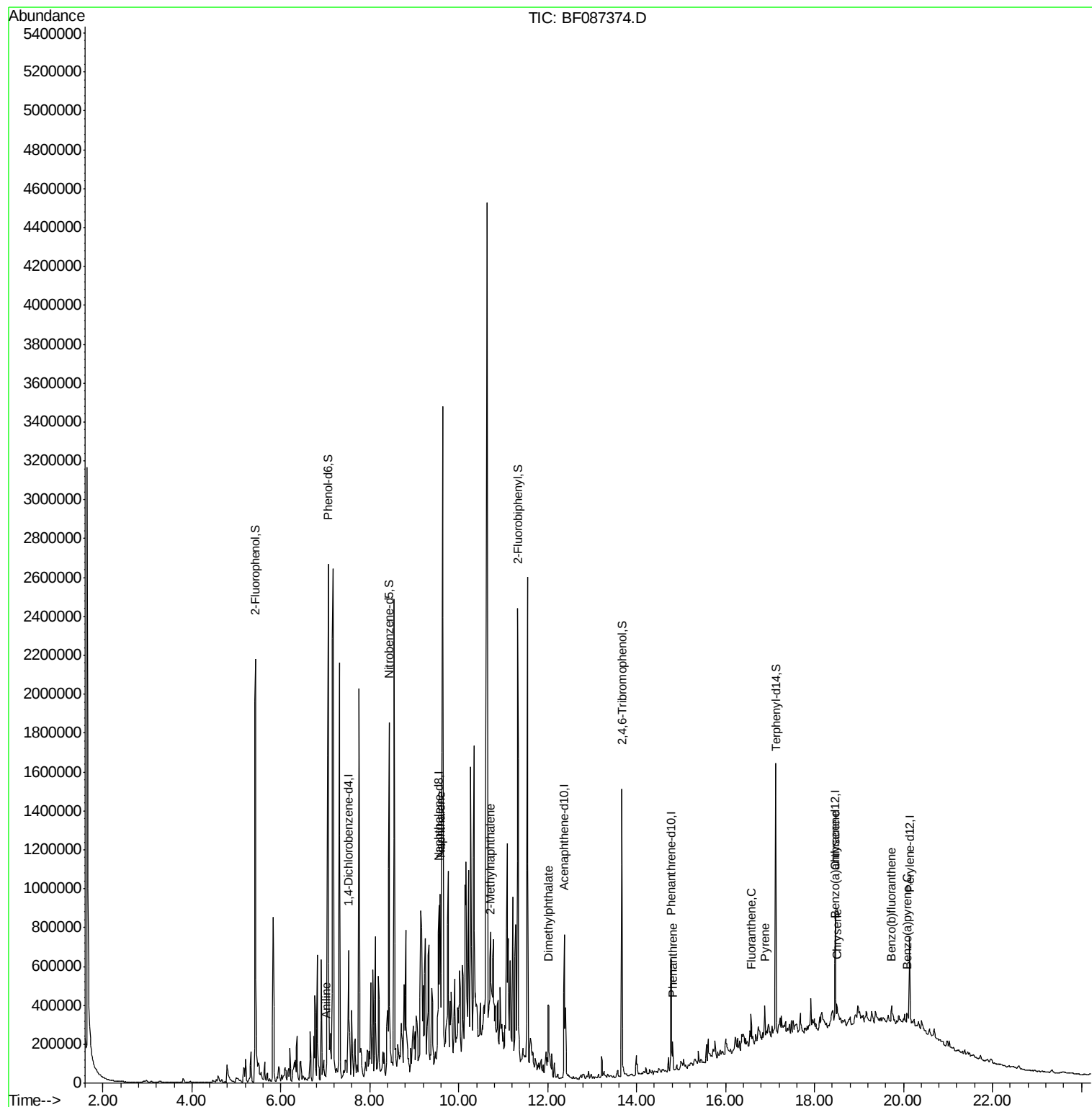
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

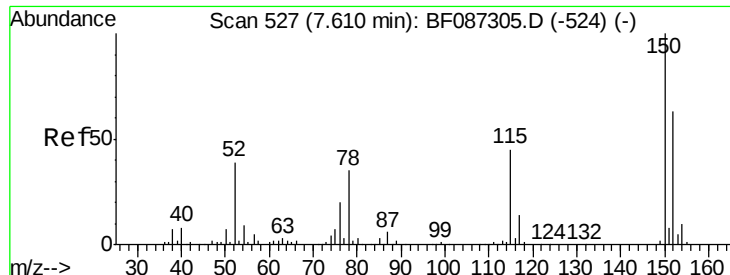
Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

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#1

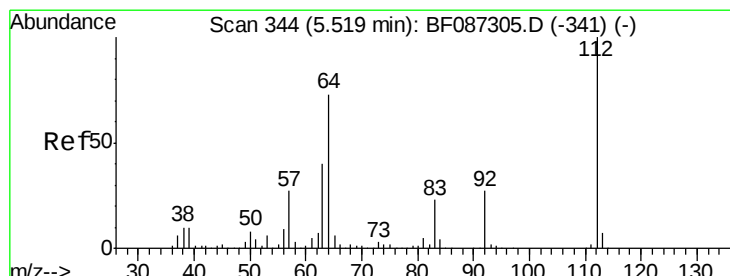
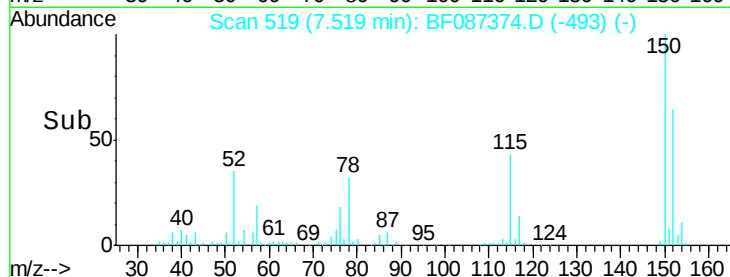
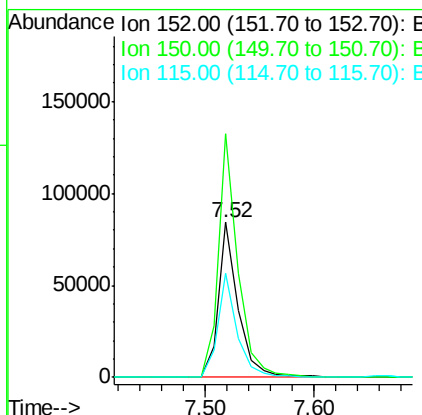
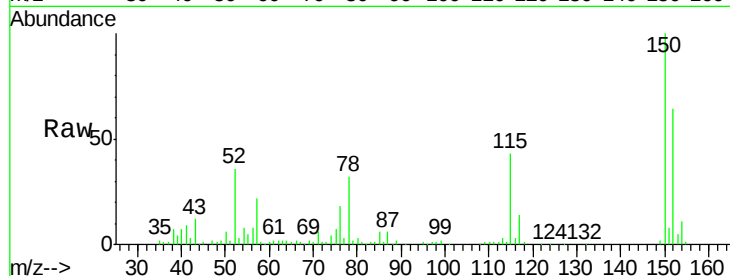
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	105591		
150	157.0	125.8	188.6	
115	67.5	51.5	77.3	

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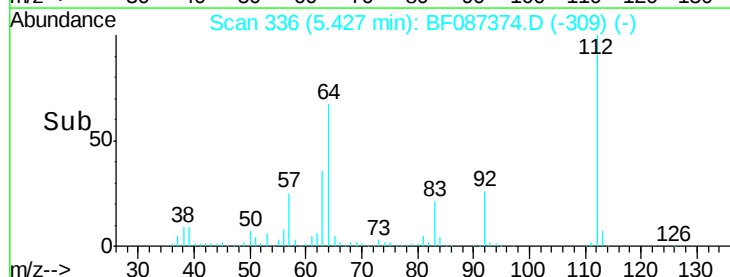
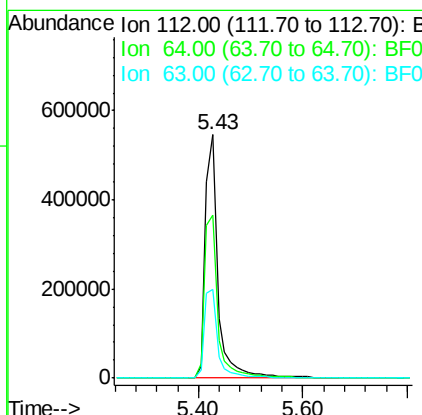
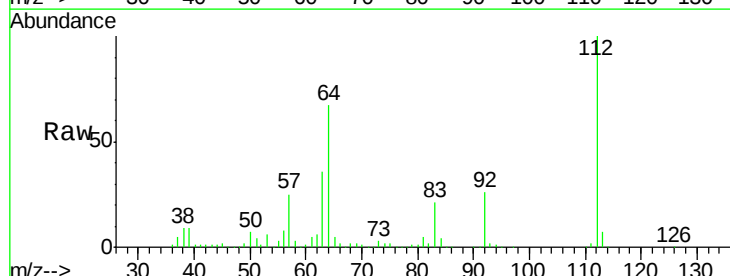
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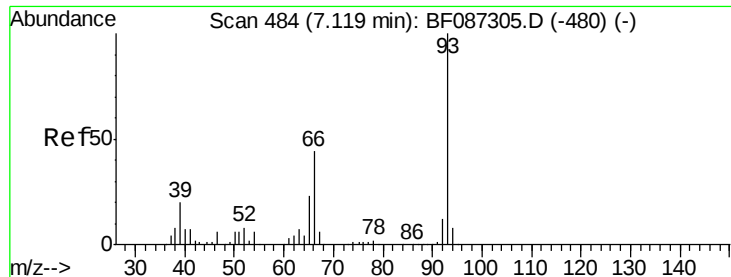


#5

2-Fluorophenol
Concen: 154.91 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.01 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	930878		
64	67.1	52.1	78.1	
63	36.5	25.7	38.5	





#6

Aniline

Concen: 3.40 ng

RT: 7.03 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

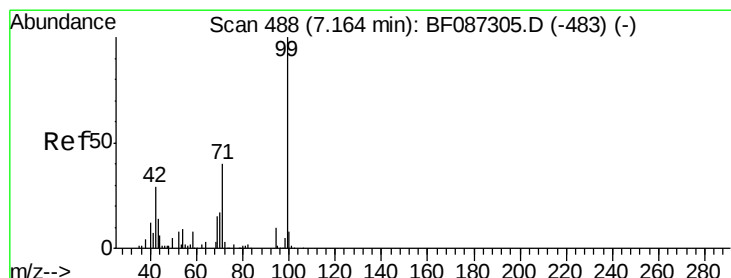
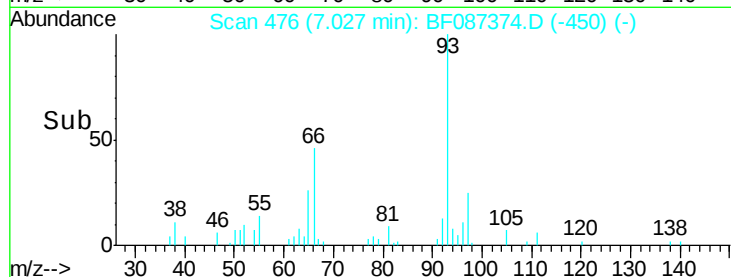
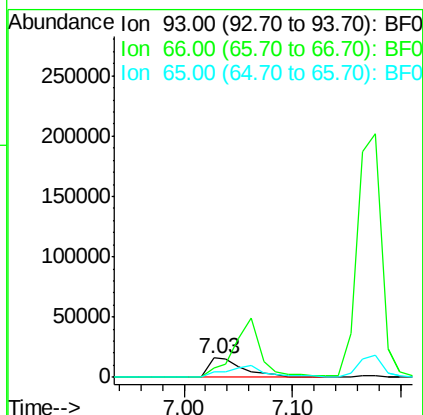
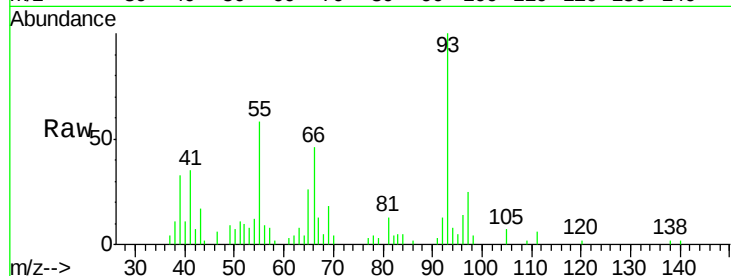
ClientSampled :

E-3(13-15)

Tot Ion:	93	Resp:	35742
Ion	Ratio	Lower	Upper
93	100		
66	45.8	39.0	58.6
65	26.1	20.6	31.0

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#7

Phenol-d6

Concen: 143.94 ng

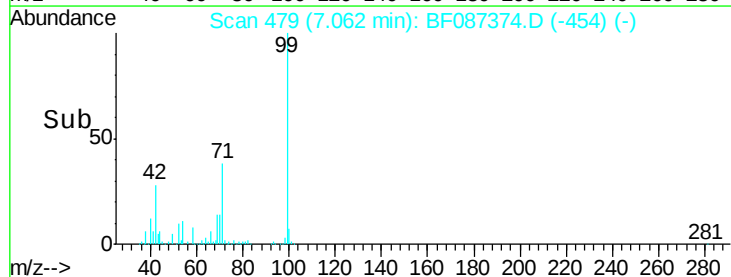
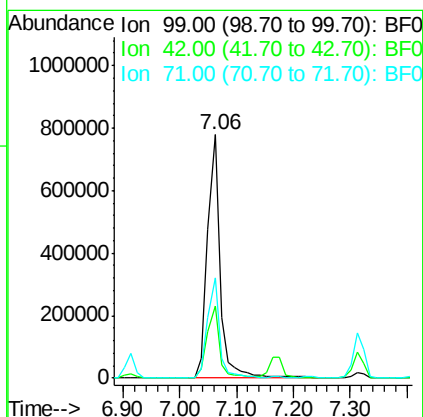
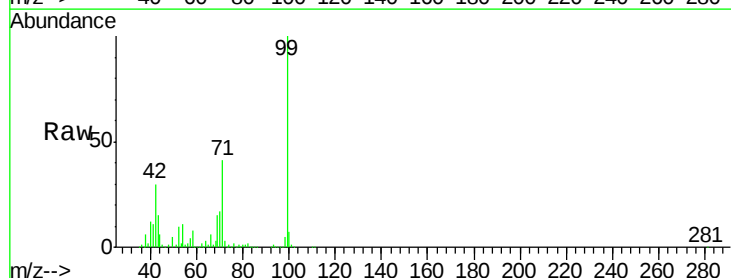
RT: 7.06 min Scan# 479

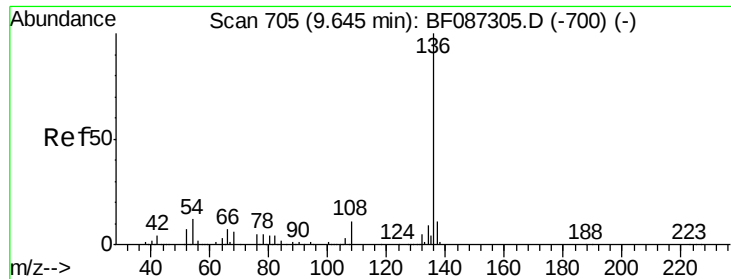
Delta R.T. -0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Tgt Ion:	99	Resp:	1168726
Ion	Ratio	Lower	Upper
99	100		
42	29.8	13.6	20.4#
71	40.9	24.6	36.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

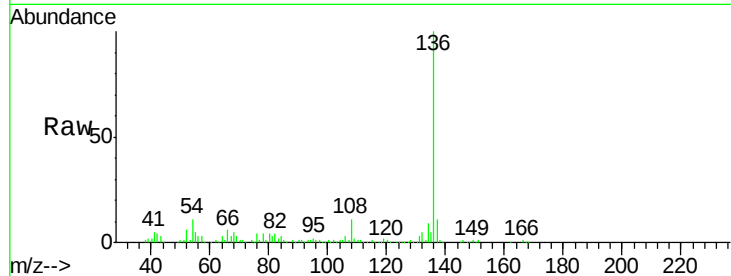
ClientSampled :

E-3(13-15)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.8	13.2
54	10.5	5.0	7.4#
68	5.4	4.4	6.6

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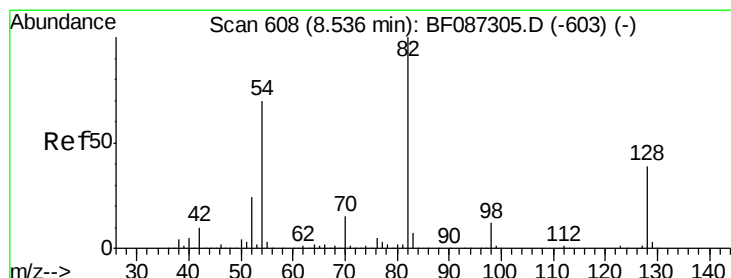
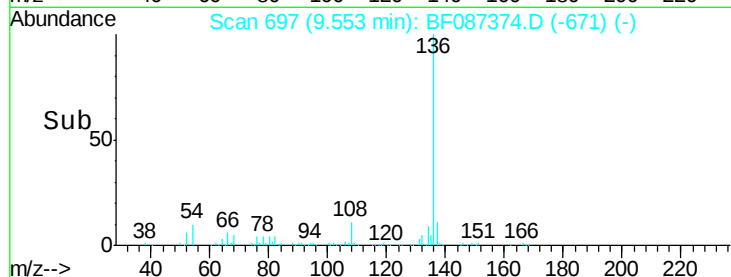
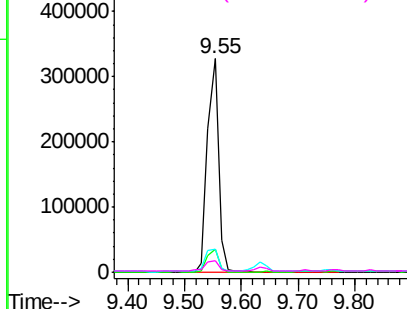


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.48 ng

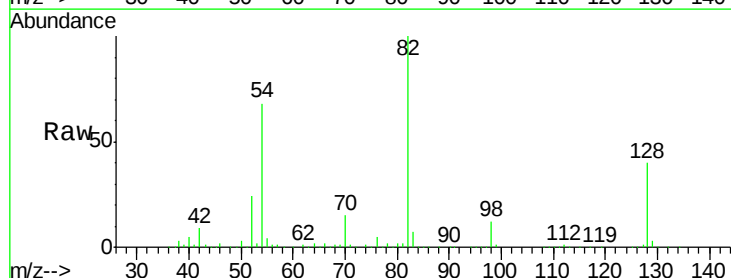
RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

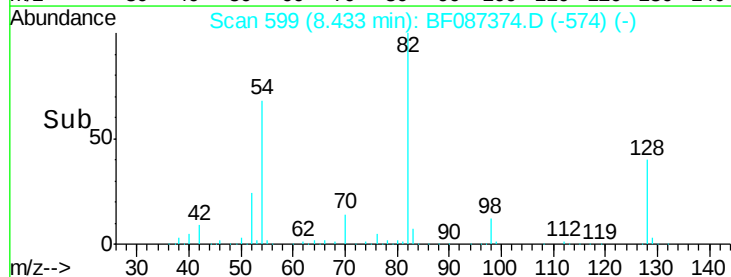
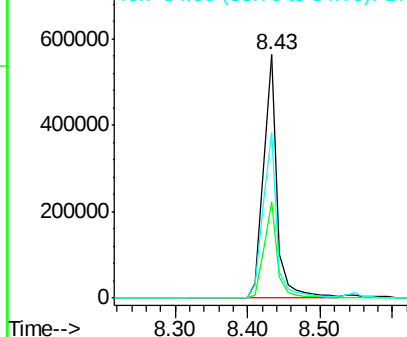
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.5	40.6	61.0#
54	67.9	38.1	57.1#

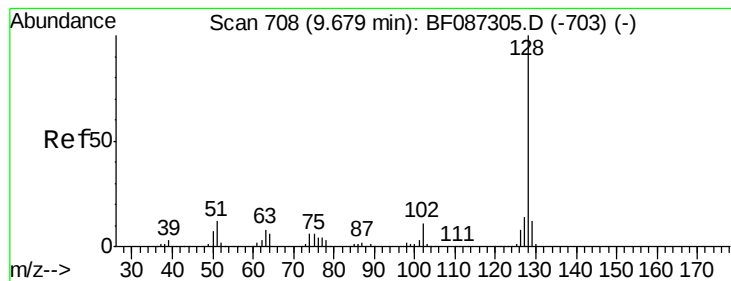


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 24.97 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

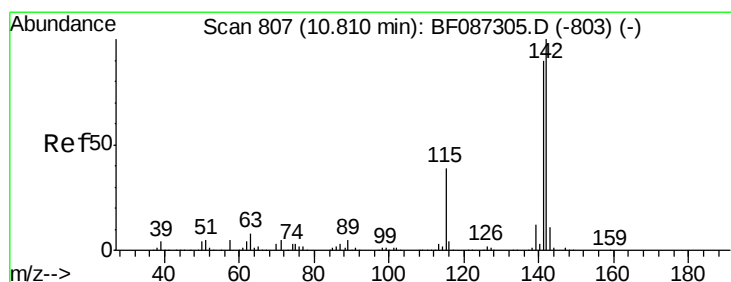
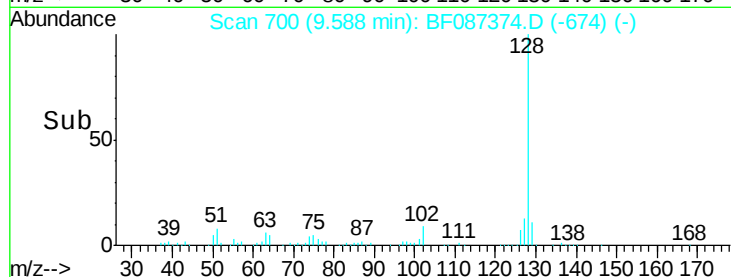
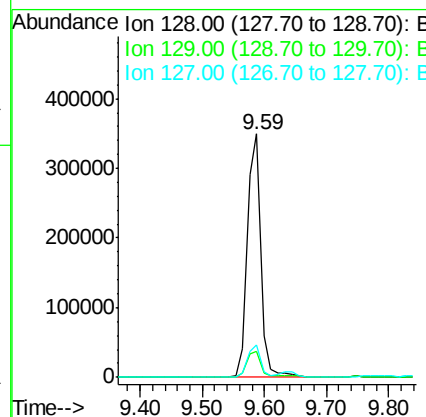
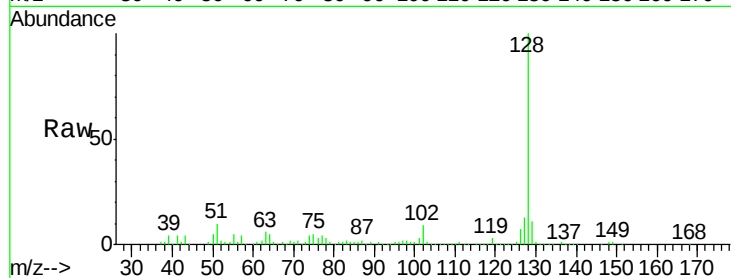
ClientSampleId :

E-3(13-15)

Tot Ion:	128	Resp:	537852
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	13.0
127	13.4	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 6.48 ng

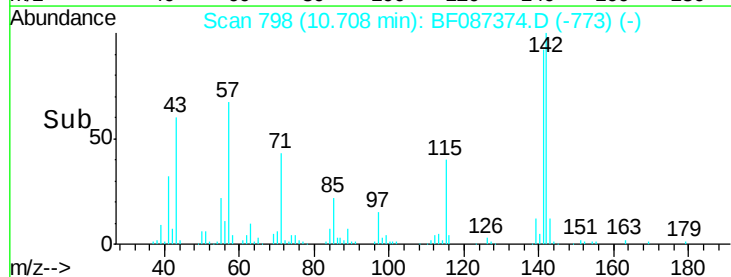
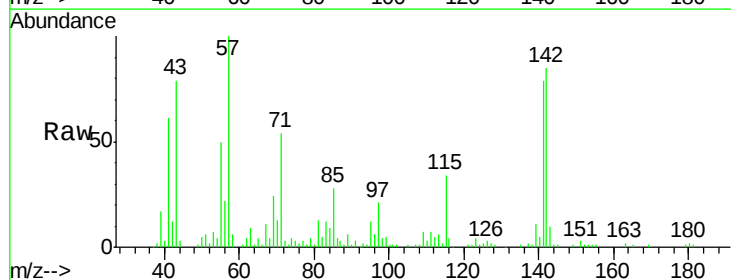
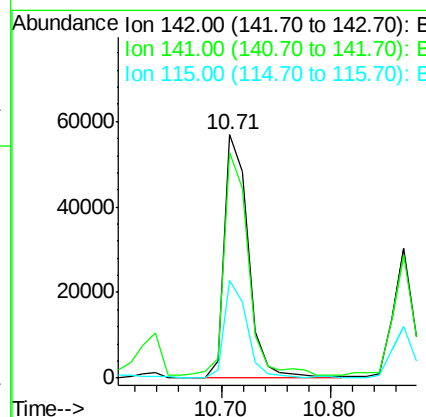
RT: 10.71 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Tgt Ion:	142	Resp:	87241
Ion Ratio	Lower	Upper	
142	100		
141	92.5	71.0	106.6
115	40.0	26.6	39.8#





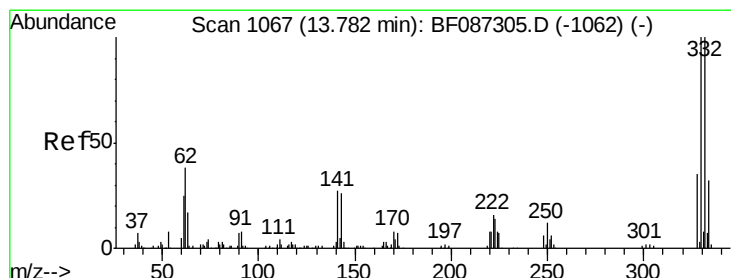
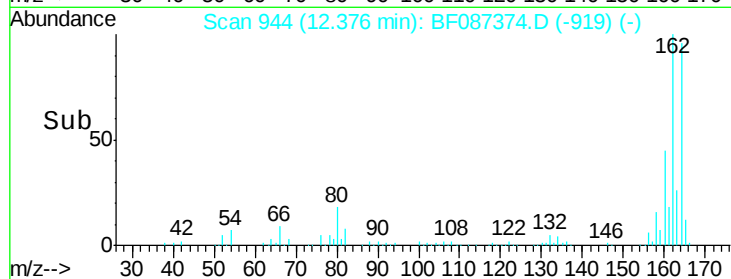
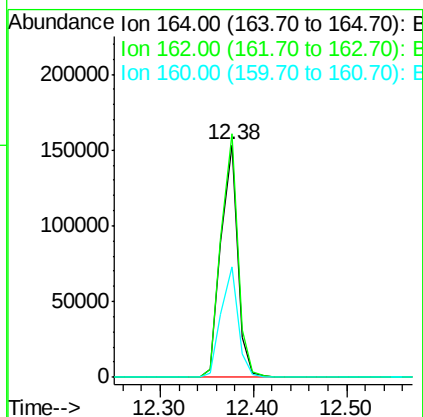
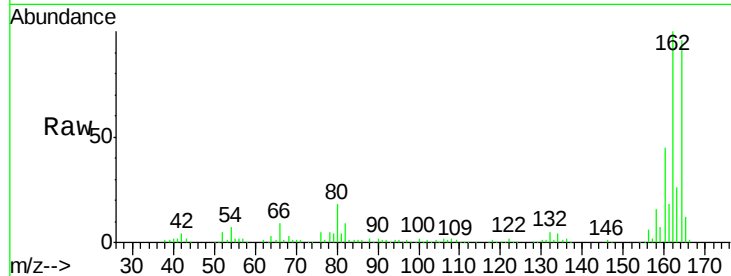
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.38 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	192123		
162	104.7	82.8	124.2	
160	47.2	36.9	55.3	

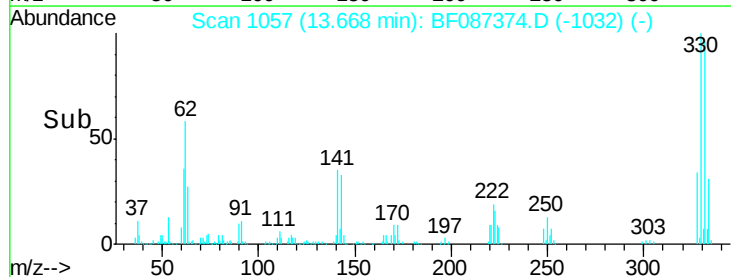
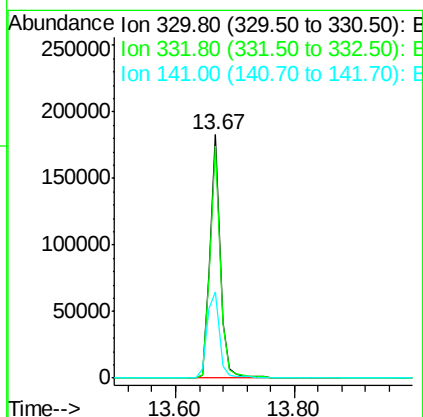
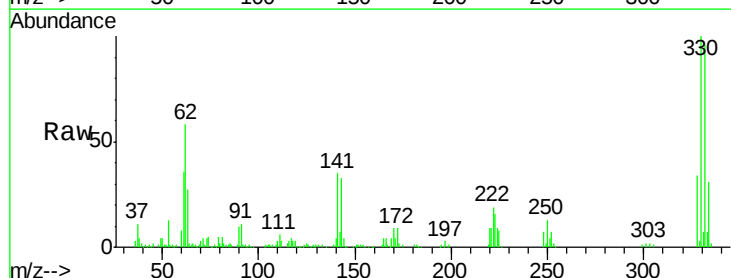
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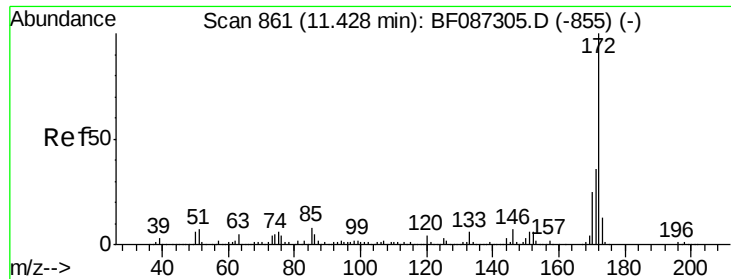
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#41
2,4,6-Tribromophenol
Concen: 120.04 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	221630		
332	96.3	79.0	118.4	
141	44.5	31.2	46.8	





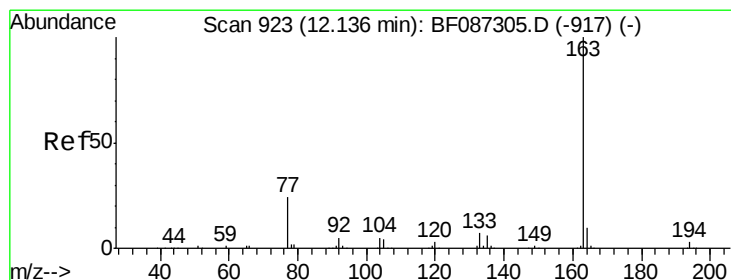
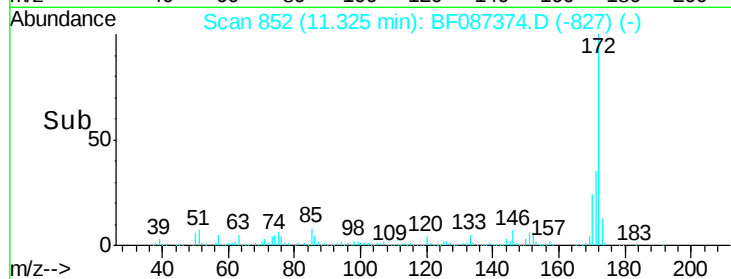
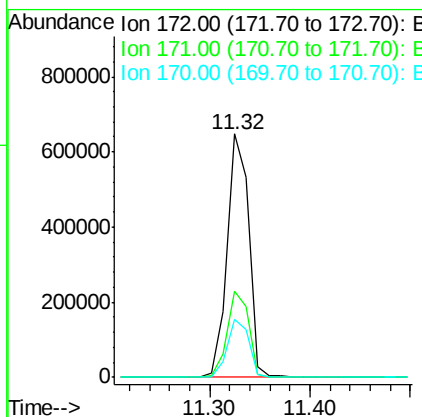
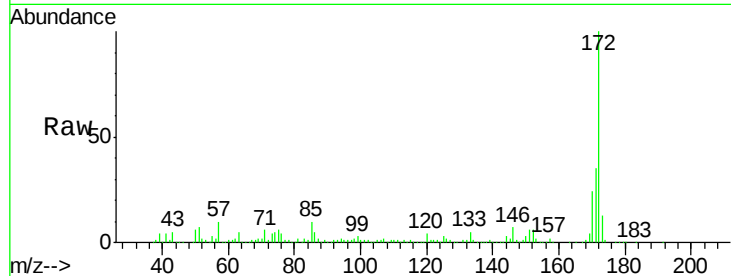
#44
2-Fluorobiphenyl
Concen: 71.06 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.8	19.8	29.8

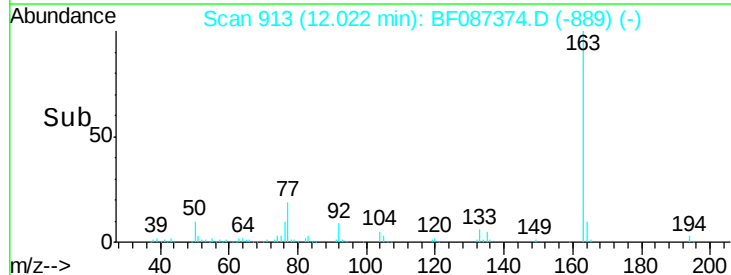
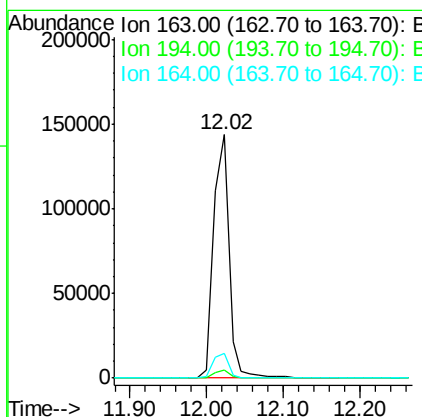
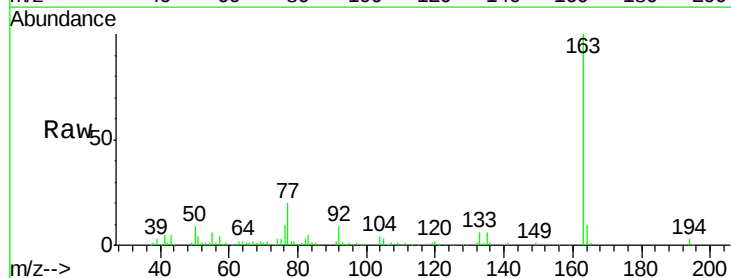
Manual Integrations
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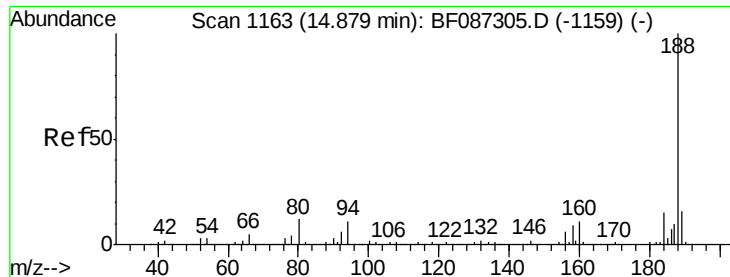
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#49
Dimethylphthalate
Concen: 13.07 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.0	8.2	12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.78 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

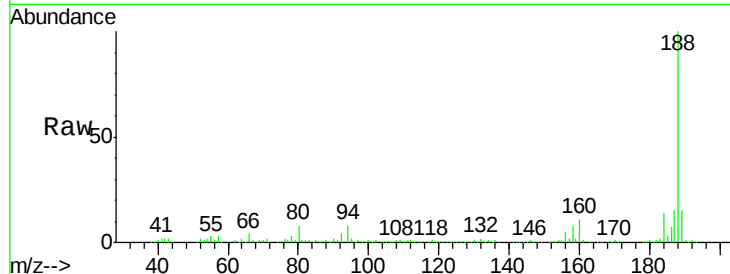
ClientSampleId :

E-3(13-15)

Tot Ion:	188	Resp:	324168
Ion Ratio	Lower	Upper	
188	100		
94	7.8	6.8	10.2
80	8.3	7.1	10.7

Manual Integrations
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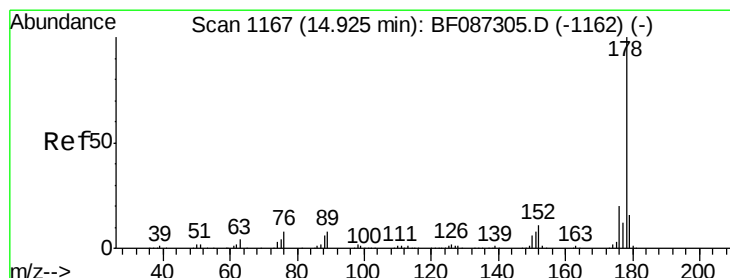
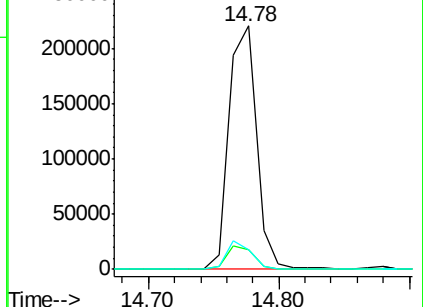
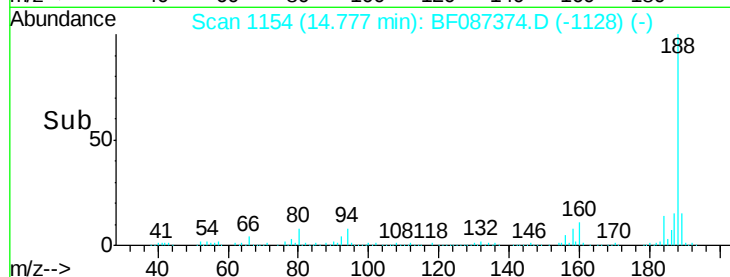
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.27 ng

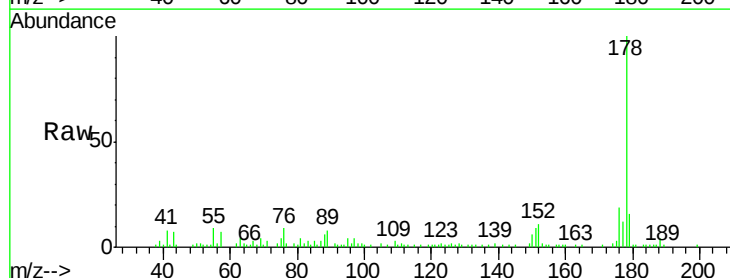
RT: 14.81 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

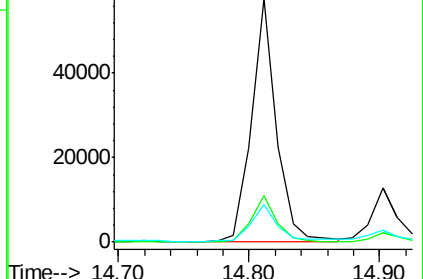
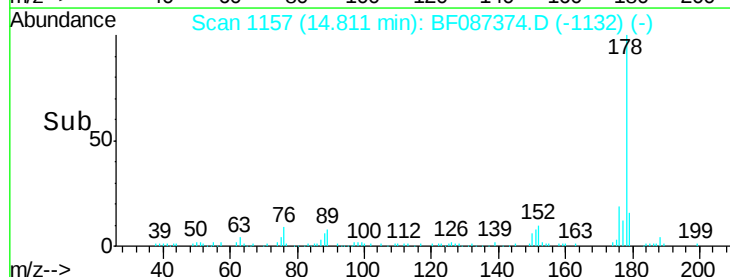
Tgt Ion:	178	Resp:	76648
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.0	24.0
179	15.6	12.6	18.8

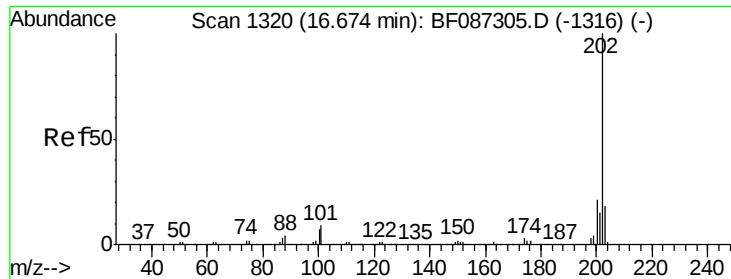


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.20 ng

RT: 16.57 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

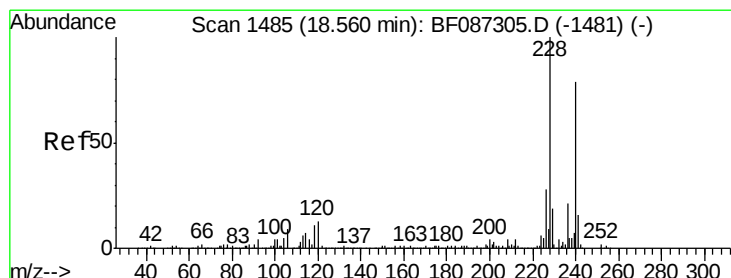
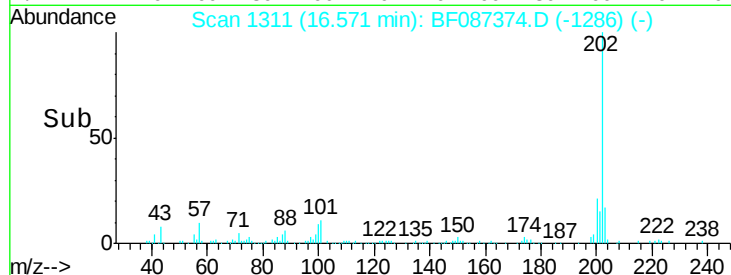
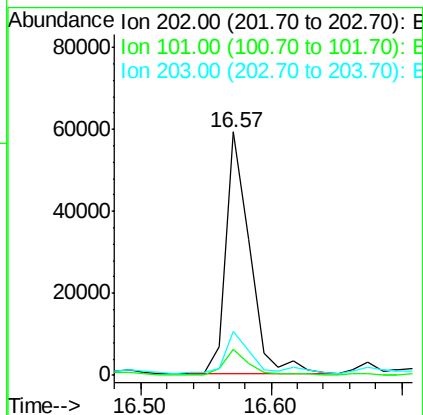
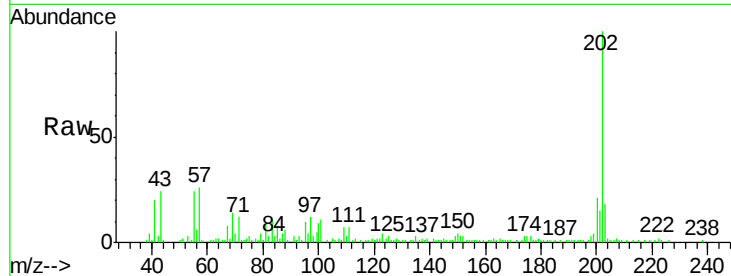
ClientSampleId :

E-3(13-15)

Tot Ion:	202	Resp:	75662
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	35.4
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

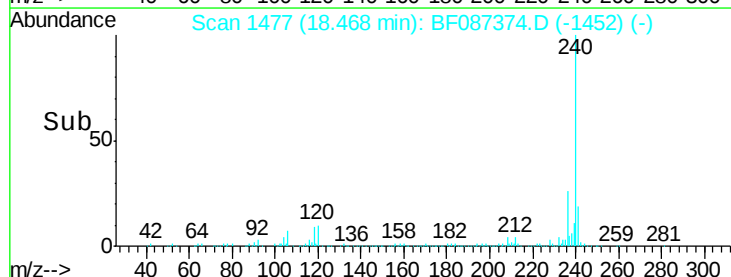
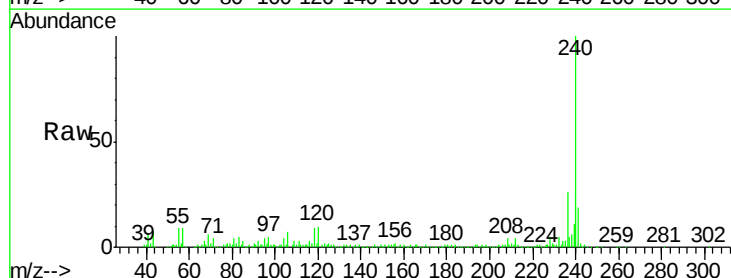
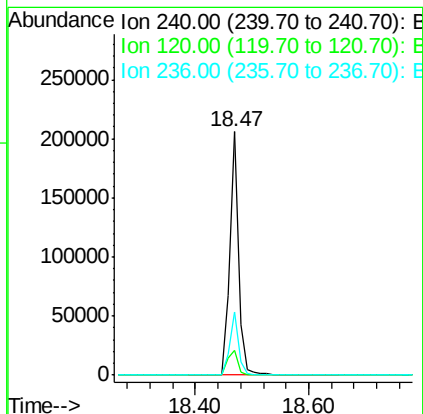
RT: 18.47 min Scan# 1477

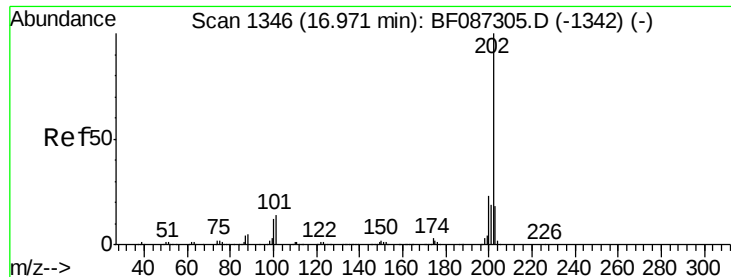
Delta R.T. -0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Tgt Ion:	240	Resp:	227713
Ion Ratio	Lower	Upper	
240	100		
120	10.2	11.2	16.8#
236	26.1	21.2	31.8





#77

Pvrene

Concen: 4.86 ng

RT: 16.88 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

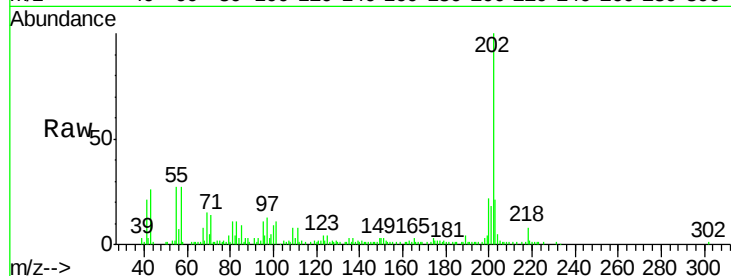
ClientSampleId :

E-3(13-15)

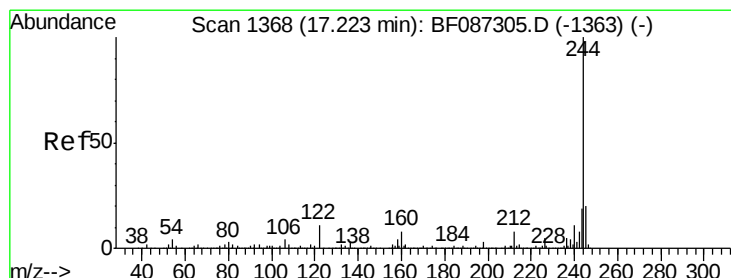
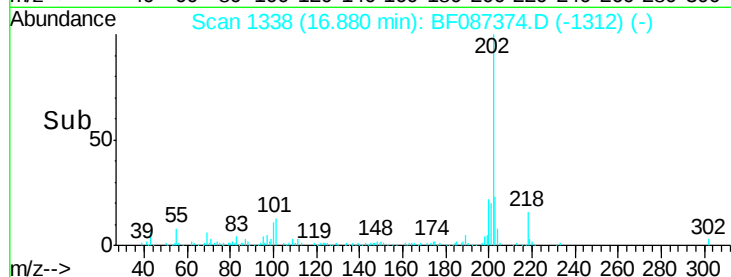
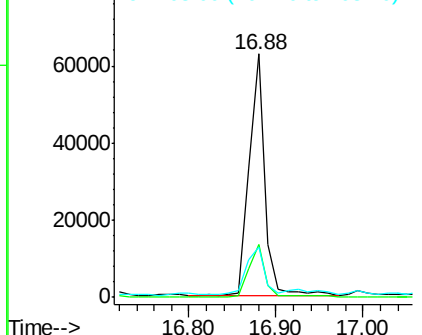
Tot Ion:	202	Resp:	79580
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.7	26.5
203	20.5	14.2	21.4

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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: 59.29 ng

RT: 17.13 min Scan# 1360

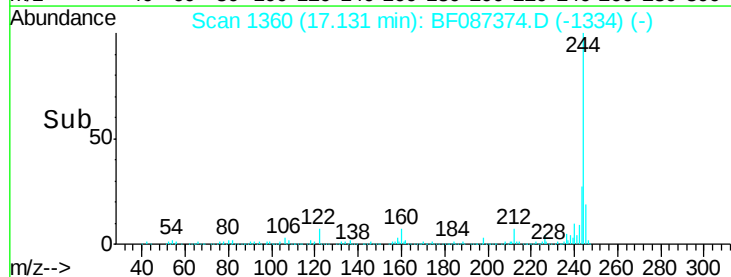
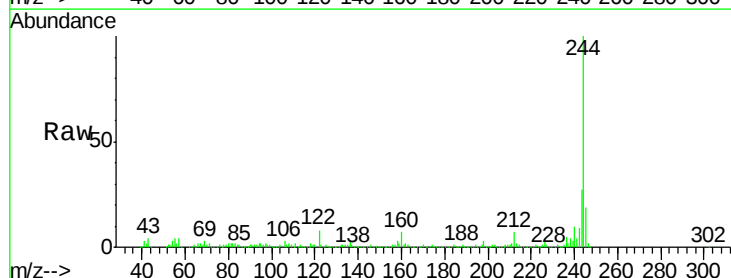
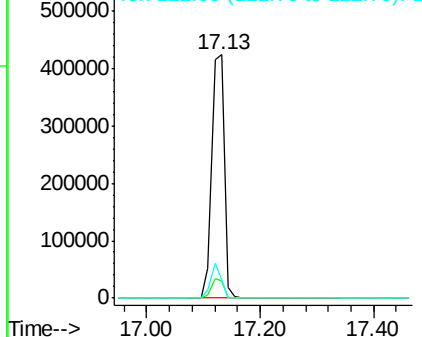
Delta R.T. 0.00 min

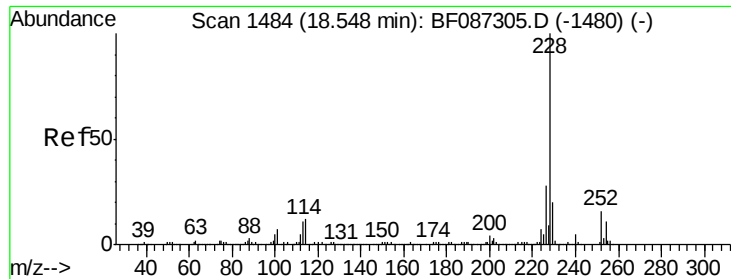
Lab File: BF087374.D

Acq: 25 May 2016 16:10

Tgt Ion:	244	Resp:	635063
Ion Ratio		Lower	Upper
244	100		
212	7.0	6.2	9.2
122	7.6	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





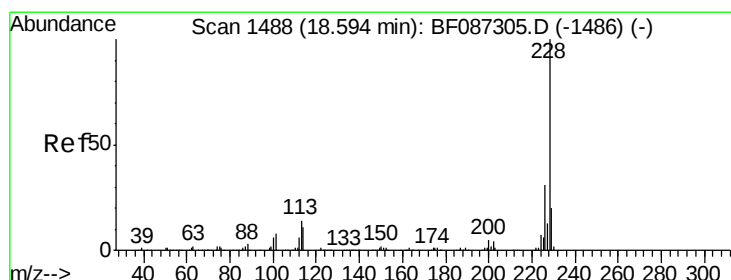
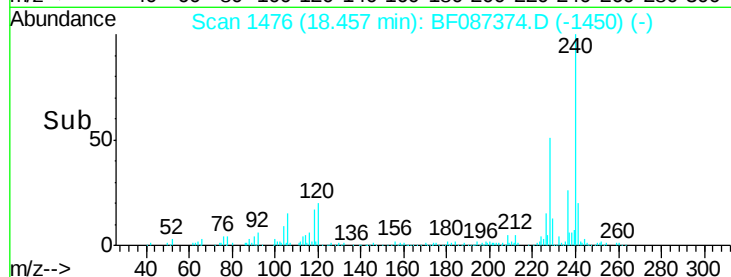
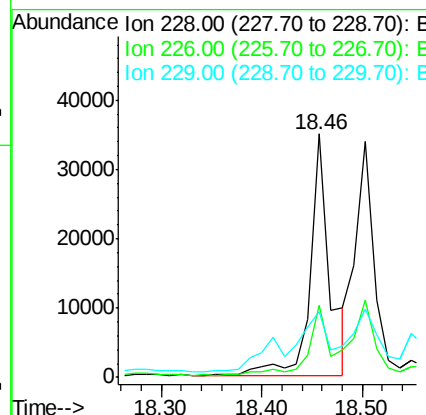
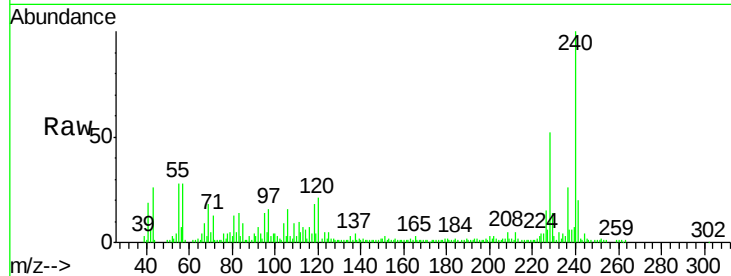
#80
Benzo(a)anthracene
Concen: 3.62 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	26.9	16.6	25.0

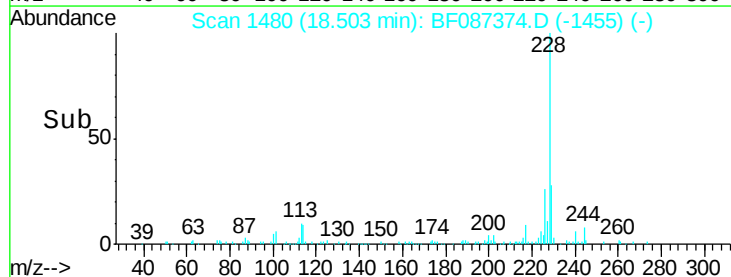
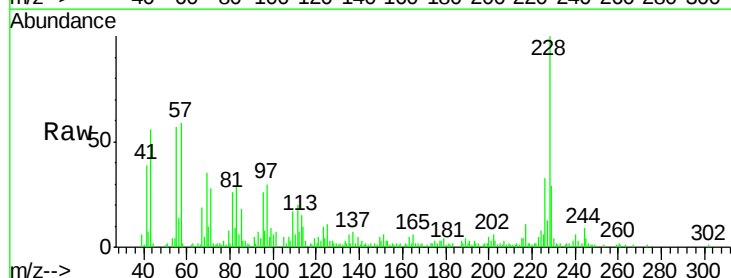
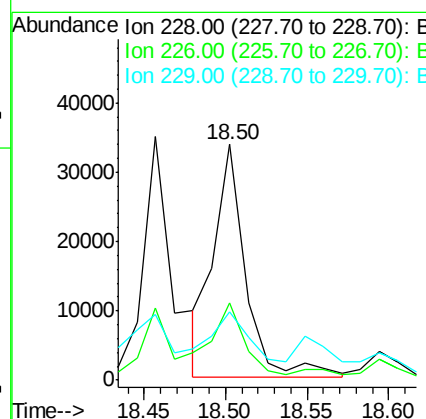
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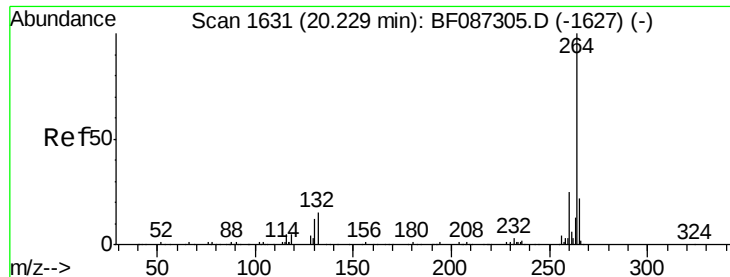
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#82
Chrysene
Concen: 3.58 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.4	36.6
229	29.1	15.8	23.8





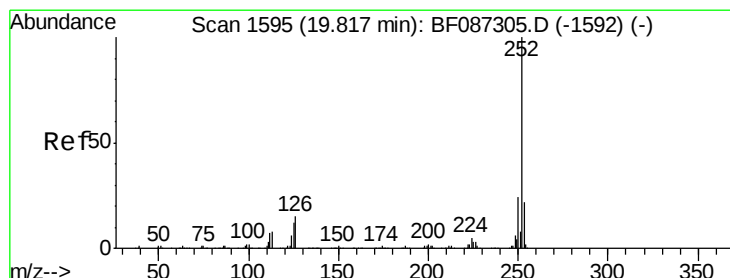
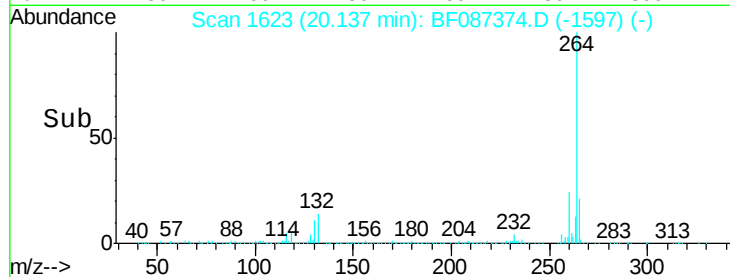
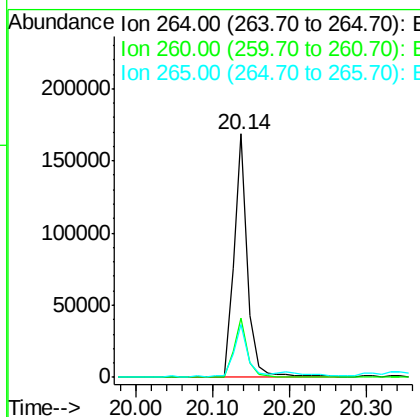
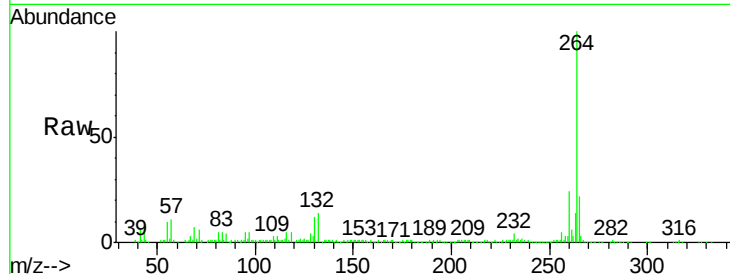
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

Tot Ion:	264	Resp:	211781
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	21.6	17.3	25.9

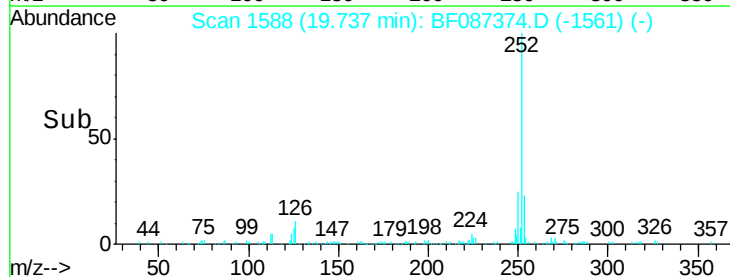
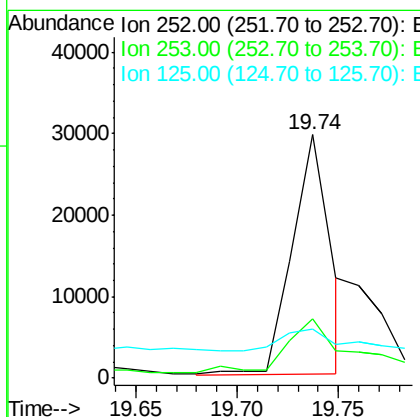
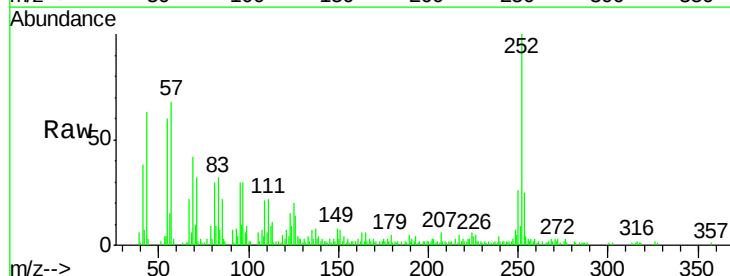
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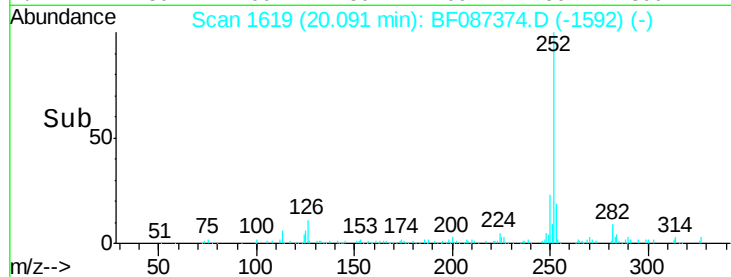
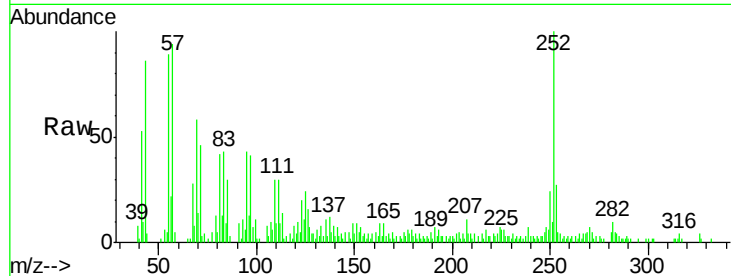
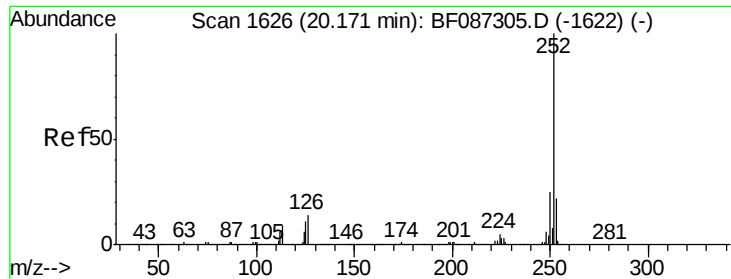
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#87
Benzo(b)fluoranthene
Concen: 2.86 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087374.D
Acq: 25 May 2016 16:10

Tgt Ion:	252	Resp:	38628
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.6
125	20.2	11.4	17.0#





#89

Benzo(a)pyrene

Concen: 2.50 ng

RT: 20.09 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BF087374.D

Acq: 25 May 2016 16:10

Instrument :

BNA_F

ClientSampleId :

E-3(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.2	25.8#
125	24.2	9.0	13.6#

Manual Integrations
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