

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088349.D
 Acq On : 24 Jun 2016 23:44
 Operator : UM/SJ
 Sample : H3598-16 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(0-4)

Manual Integrations
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Quant Time: Jun 25 05:04:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	75748m	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	315019	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	133538	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	211593	20.00	ng	-0.02
75) Chrysene-d12	13.74	240	144328	20.00	ng	-0.01
86) Perylene-d12	15.10	264	151499	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	223863	50.52	ng	-0.01
7) Phenol-d6	6.25	99	289316	53.88	ng	-0.01
23) Nitrobenzene-d5	7.15	82	197349	36.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	51538	36.55	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	362140	39.65	ng	-0.02
78) Terphenyl-d14	12.67	244	226618	35.73	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.47	152	238844	17.38	ng	99
49) Dimethylphthalate	9.35	163	44368	4.59	ng	100
70) Phenanthrene	11.12	178	187867	16.92	ng	98
71) Anthracene	11.16	178	287085	25.63	ng	99
72) Carbazole	11.34	167	29342	2.80	ng	96
74) Fluoranthene	12.31	202	1078111	92.01	ng	99
77) Pyrene	12.54	202	1200780	112.12	ng	99
80) Benzo(a)anthracene	13.73	228	923370m	112.27	ng	
82) Chrysene	13.76	228	680587m	87.96	ng	
85) Indeno(1,2,3-cd)pyrene	16.34	276	363099	50.51	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	1039504m	98.44	ng	
88) Benzo(k)fluoranthene	14.75	252	392507m	49.28	ng	
89) Benzo(a)pyrene	15.04	252	654295	76.59	ng	98
90) Dibenzo(a,h)anthracene	16.34	278	89663m	11.30	ng	
91) Benzo(g,h,i)perylene	16.71	276	306614	37.57	ng	97

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

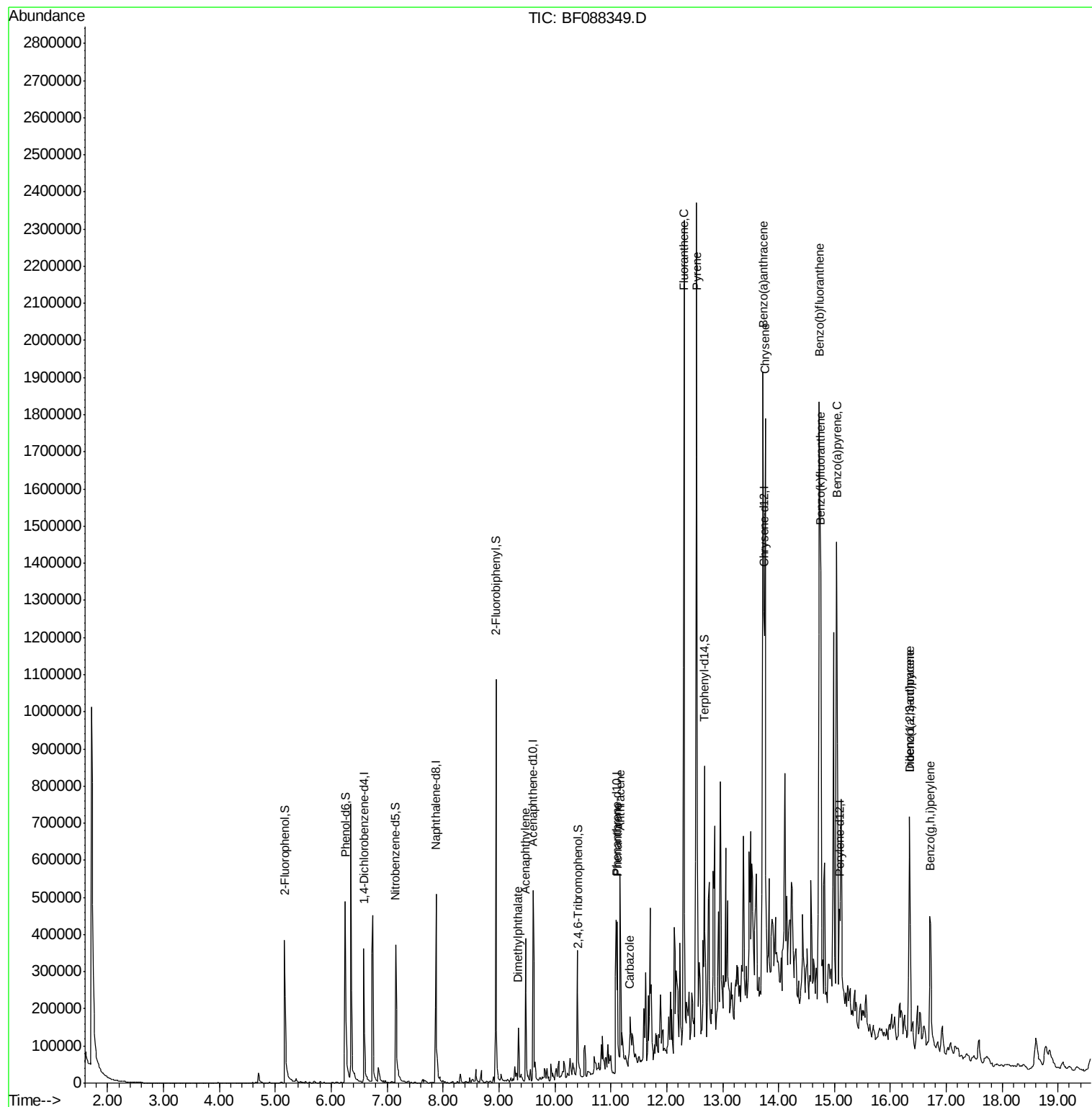
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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ALS Vial : 19 Sample Multiplier: 1

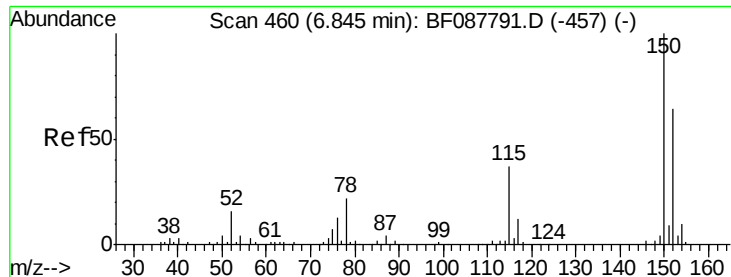
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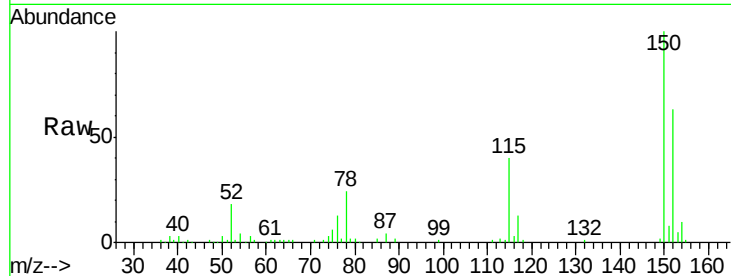
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(0-4)

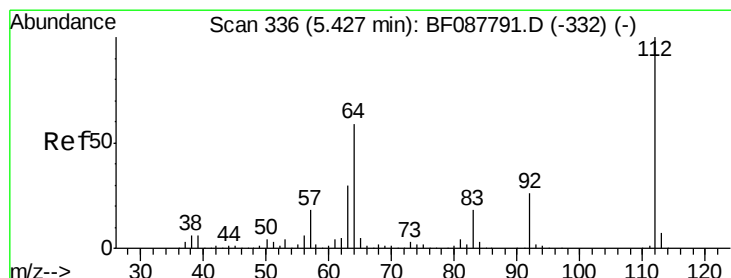
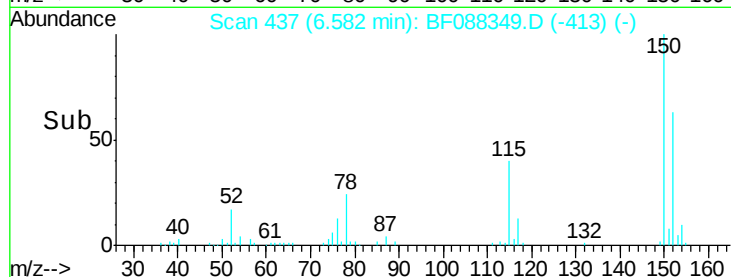
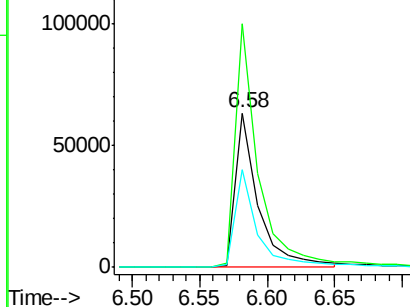
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	63.1	39.6	59.4

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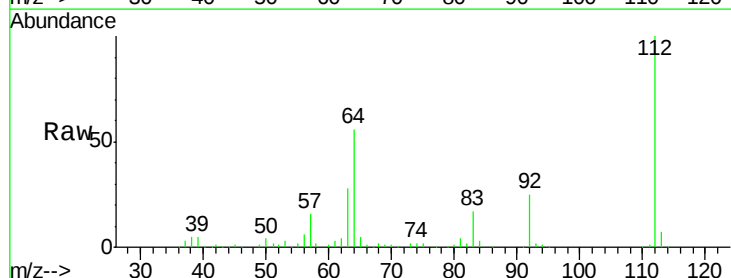


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

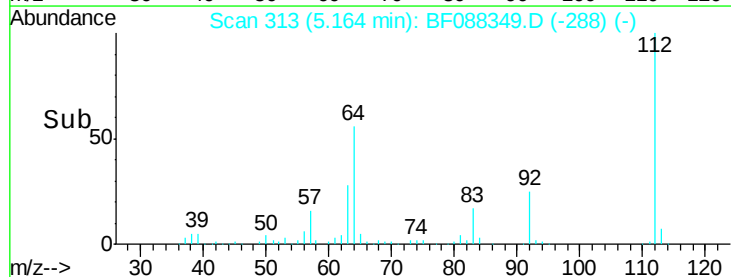
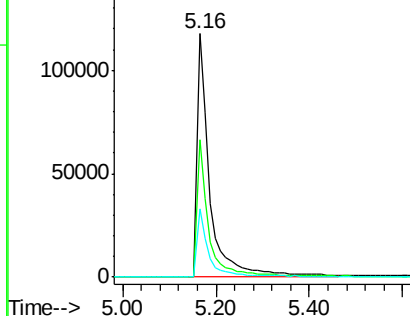


#5
 2-Fluorophenol
 Concen: 50.52 ng
 RT: 5.16 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	42.2	63.2
63	27.9	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.88 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Instrument :

BNA_F

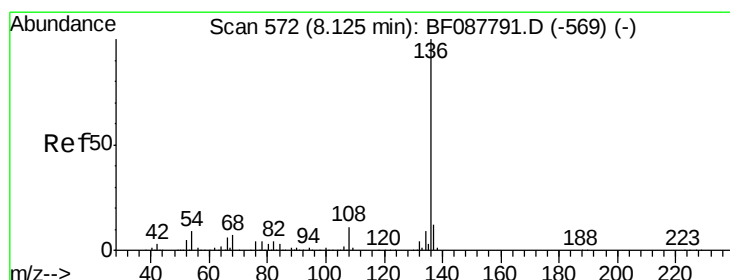
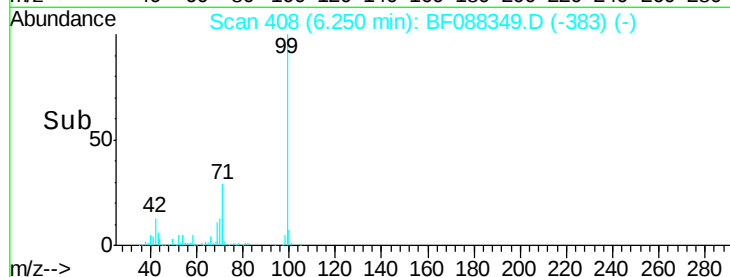
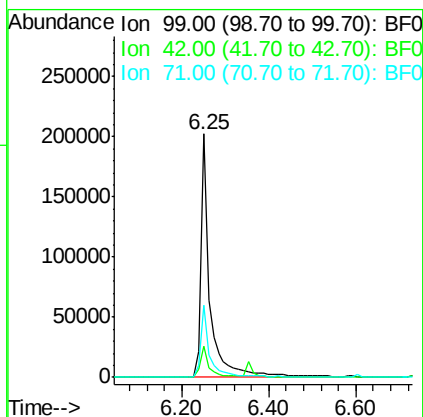
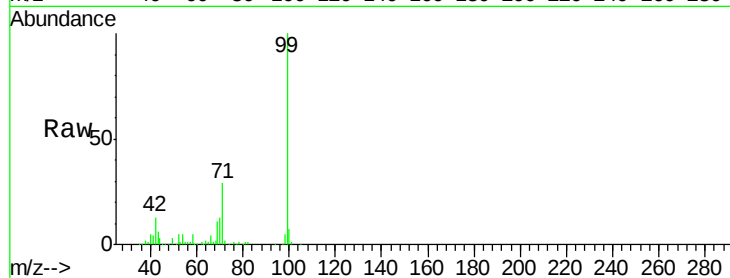
ClientSampleId :

PM-STA-1393(0-4)

Tgt Ion:	99	Resp:	289316
Ion Ratio	Lower	Upper	
99	100		
42	12.8	12.2	18.2
71	29.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

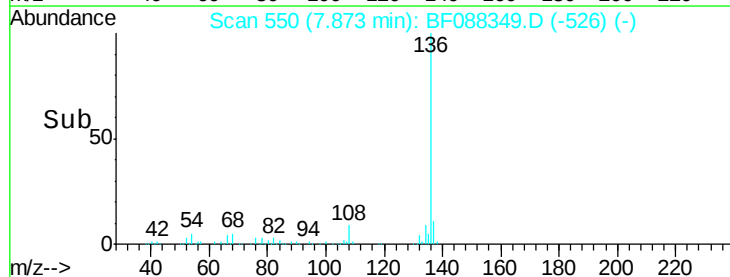
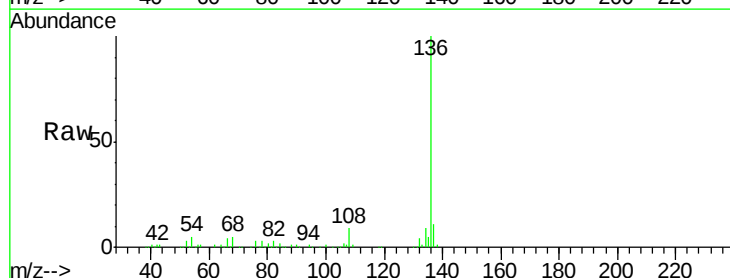
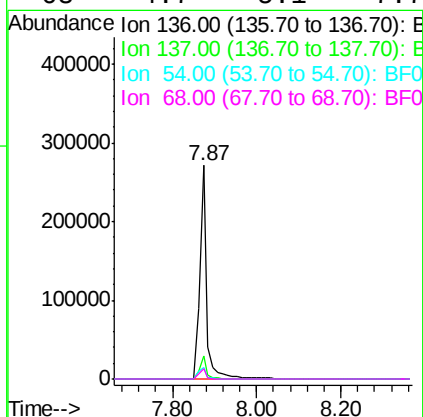
RT: 7.87 min Scan# 550

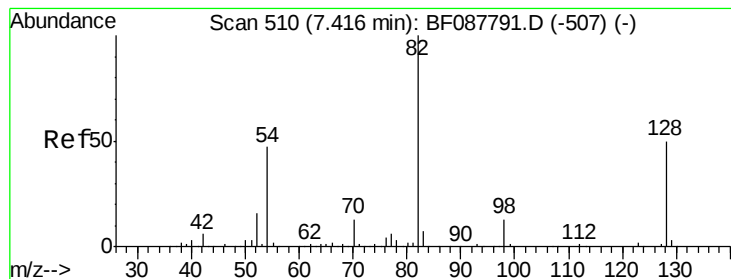
Delta R.T. -0.02 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Tgt Ion:	136	Resp:	315019
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.1	13.7
54	5.3	6.6	10.0#
68	4.7	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 36.58 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Instrument :

BNA_F

ClientSampleId :

PM-STA-1393(0-4)

Tgt Ion: 82 Resp: 197349
Ion Ratio Lower Upper

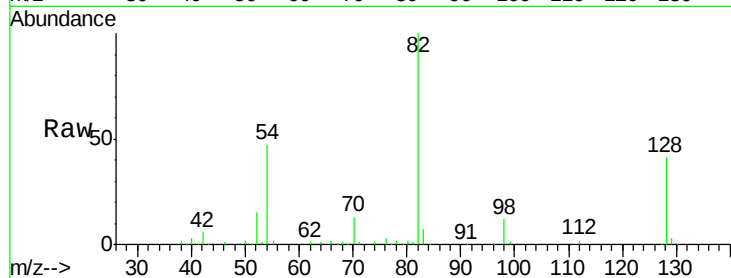
82 100

128 41.4 35.9 53.9

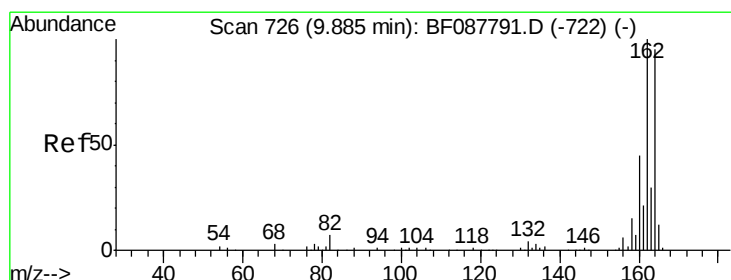
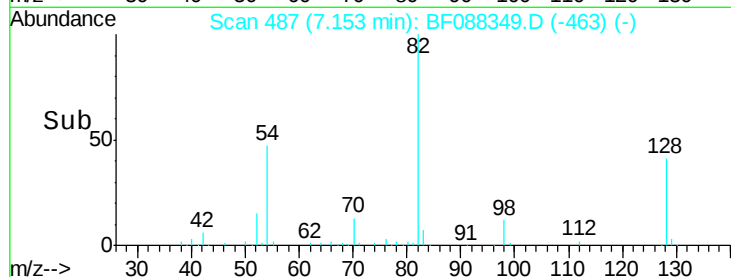
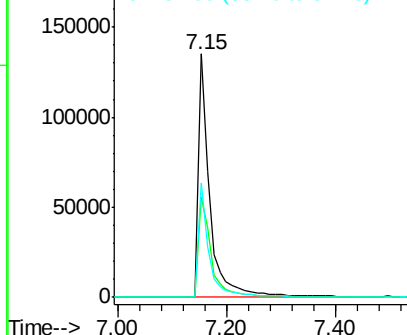
54 46.8 40.9 61.3

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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: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF088349.D

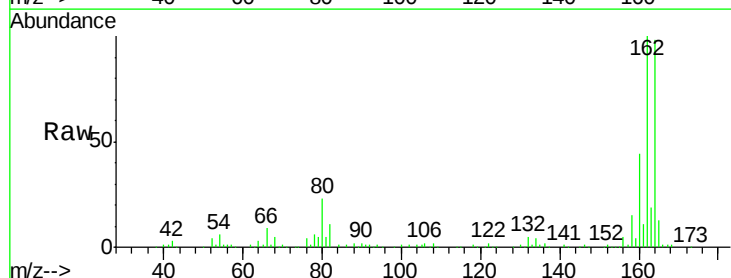
Acq: 24 Jun 2016 23:44

Tgt Ion: 164 Resp: 133538
Ion Ratio Lower Upper

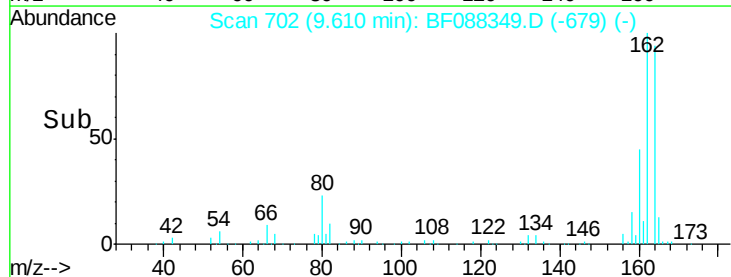
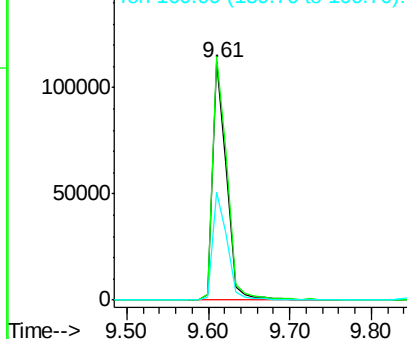
164 100

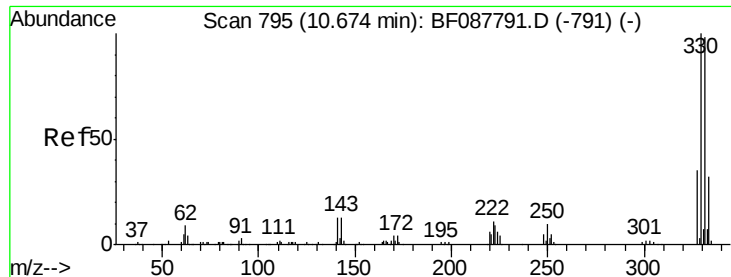
162 102.3 85.4 128.2

160 45.5 39.5 59.3



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





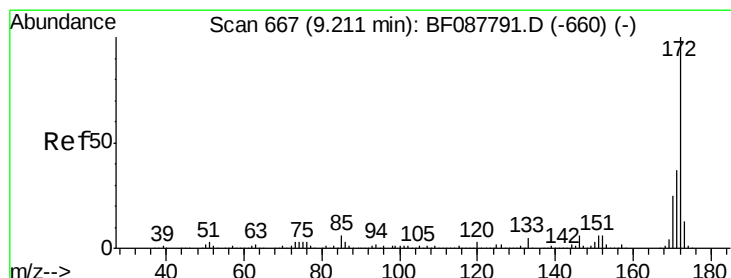
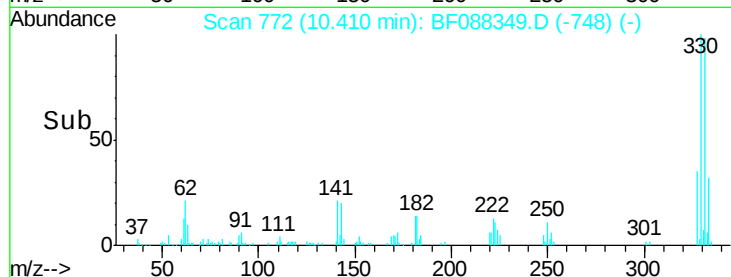
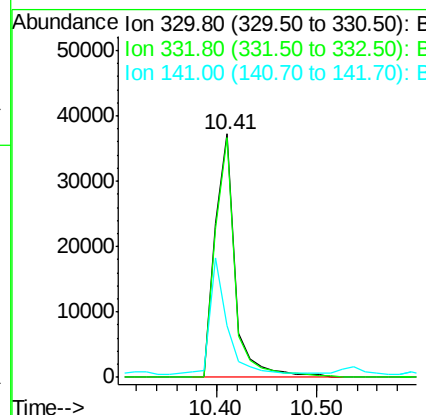
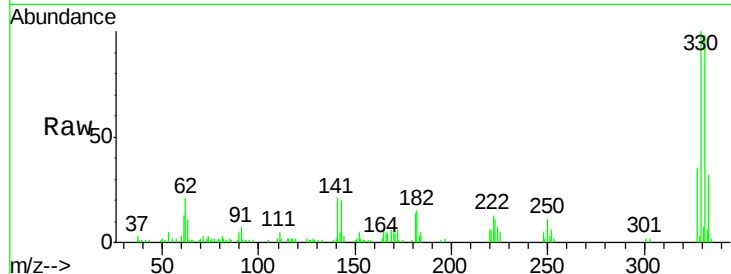
#41
 2,4,6-Tribromophenol
 Concen: 36.55 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	51538		
332	97.3	0.0	0.0	0.0
141	45.0	0.0	0.0	0.0

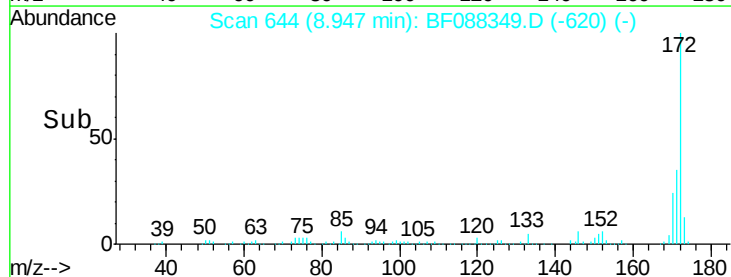
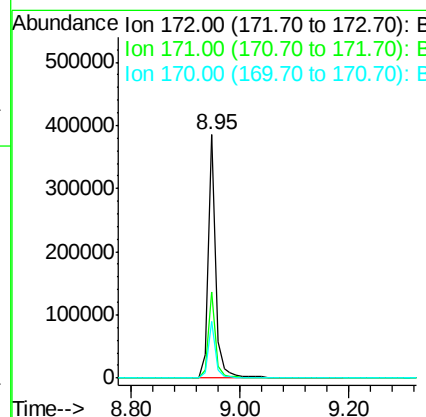
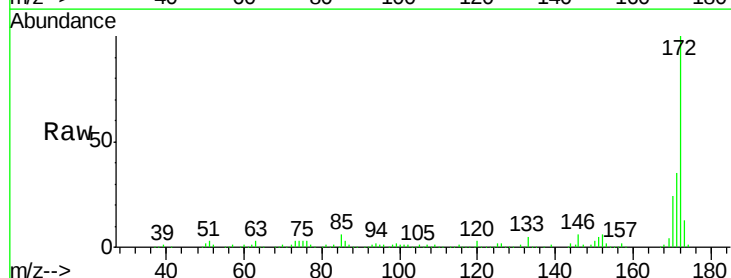
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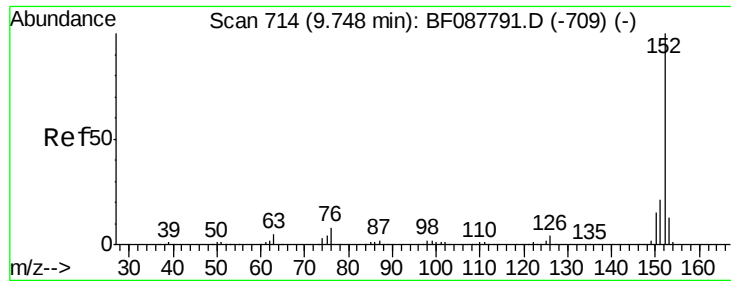
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#44
 2-Fluorobiphenyl
 Concen: 39.65 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	362140		
171	35.5	28.6	43.0	
170	23.6	19.2	28.8	





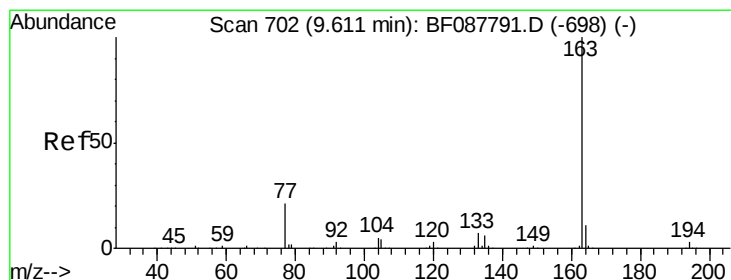
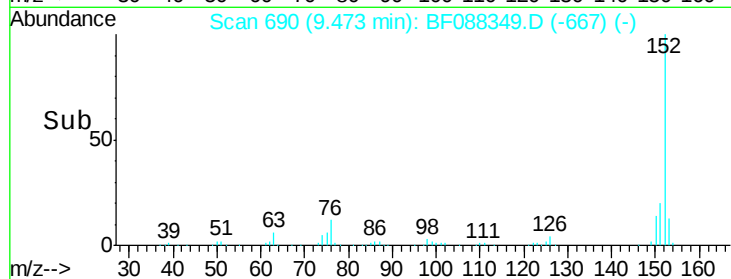
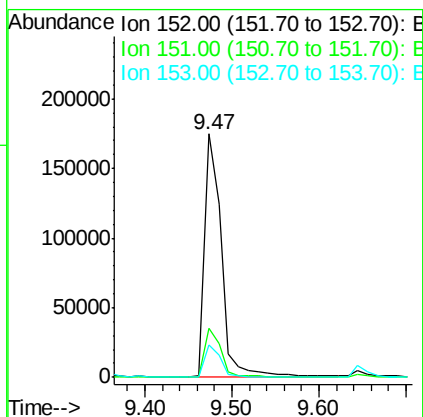
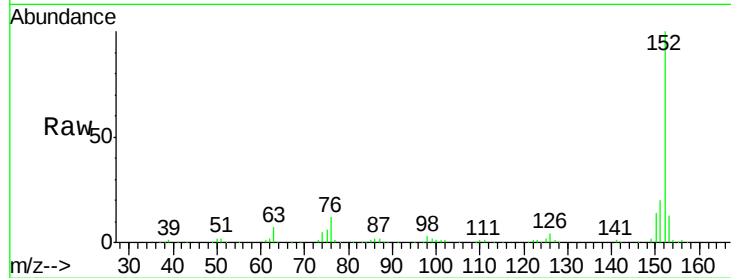
#48
Acenaphthylene
Concen: 17.38 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF088349.D
Acq: 24 Jun 2016 23:44

Instrument :
BNA_F
ClientSampleId :
PM-STA-1393(0-4)

Tgt Ion:	152	Resp:	238844
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	13.3	11.0	16.6

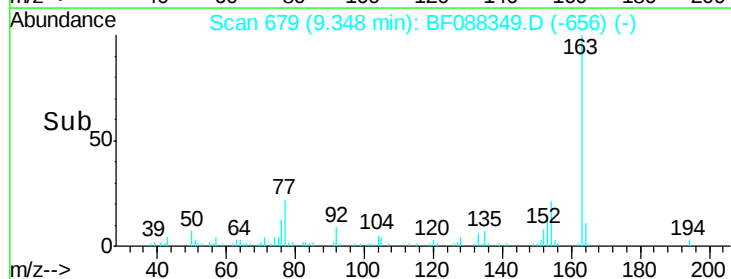
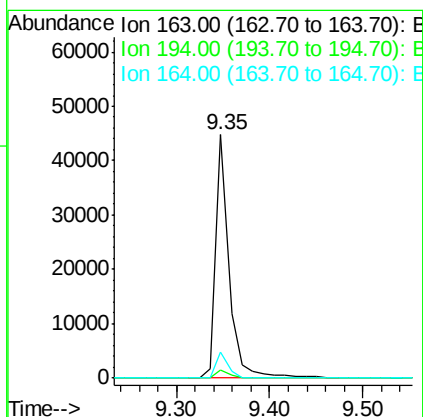
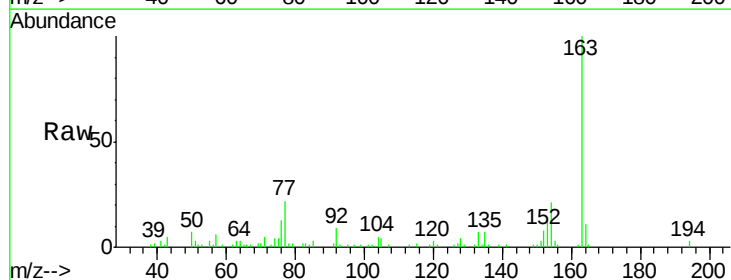
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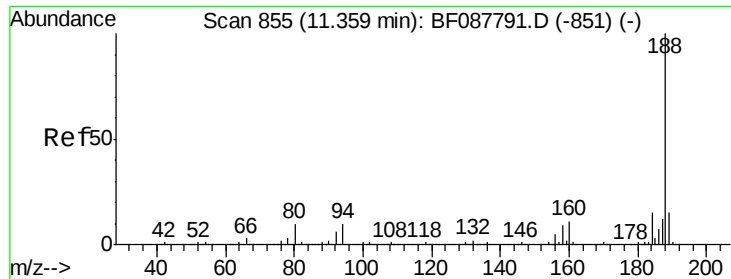
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#49
Dimethylphthalate
Concen: 4.59 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF088349.D
Acq: 24 Jun 2016 23:44

Tgt Ion:	163	Resp:	44368
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.8	4.2
164	10.5	8.3	12.5





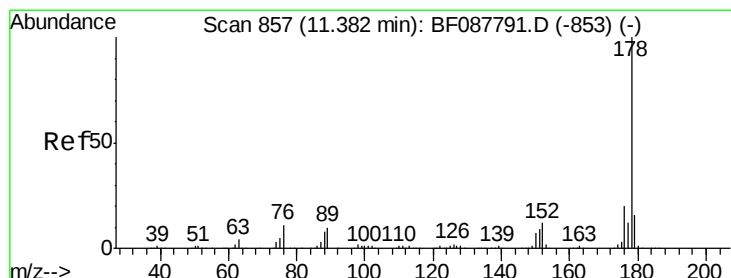
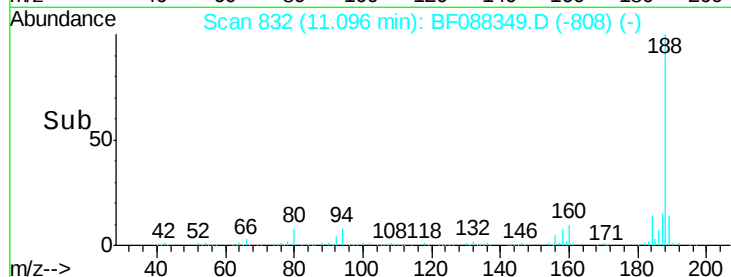
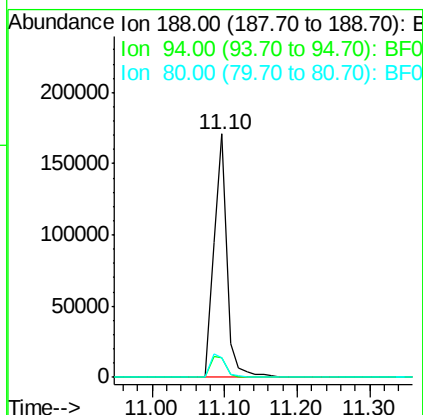
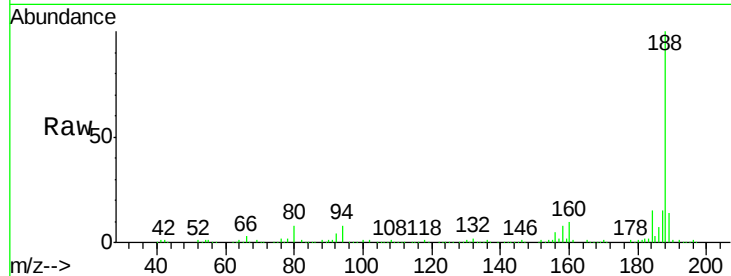
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088349.D
Acq: 24 Jun 2016 23:44

Instrument :
BNA_F
ClientSampleId :
PM-STA-1393(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	9.0	13.6#
80	8.2	10.0	15.0#

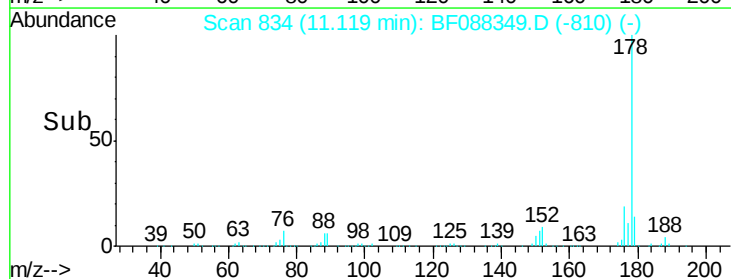
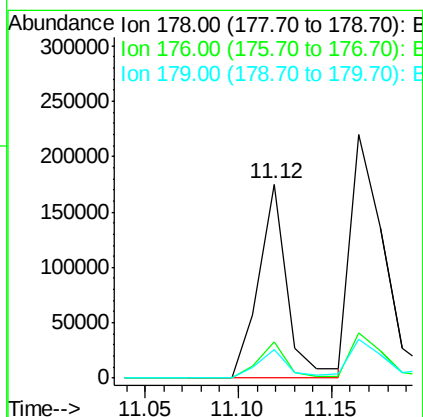
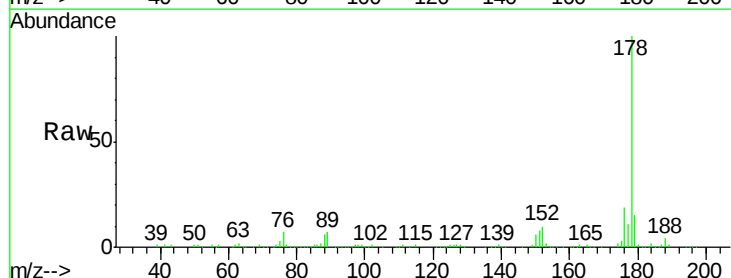
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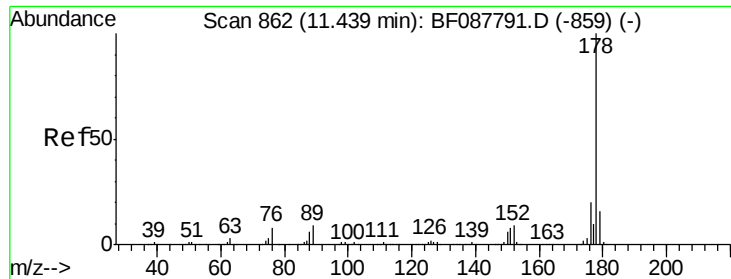
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#70
Phenanthrene
Concen: 16.92 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088349.D
Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.8	23.6
179	14.9	13.0	19.4





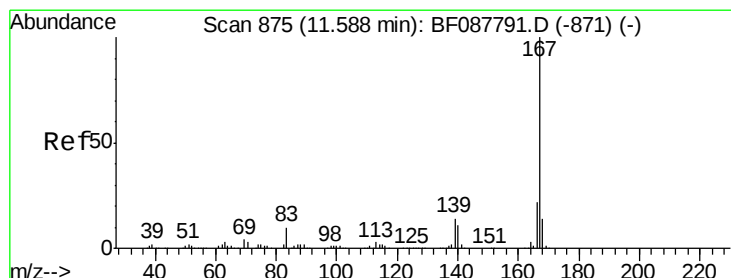
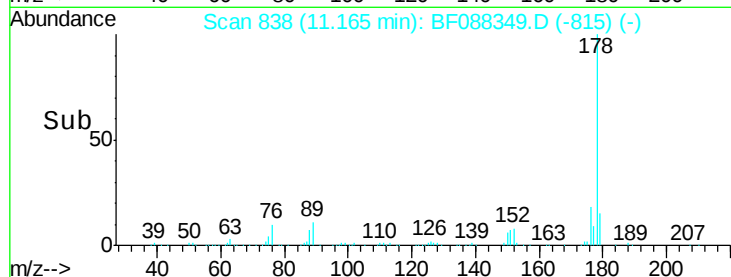
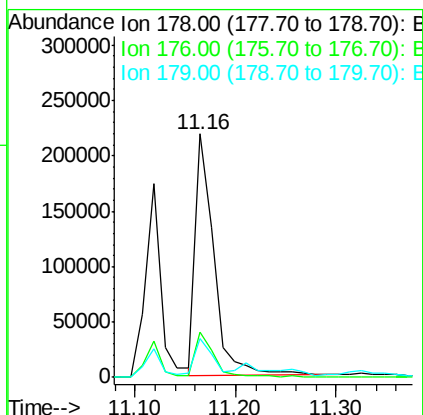
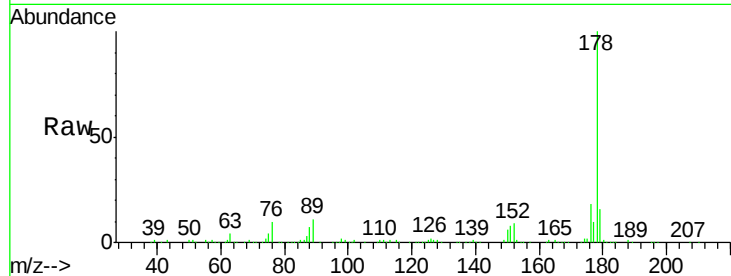
#71
 Anthracene
 Concen: 25.63 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.03 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.9	12.8	19.2

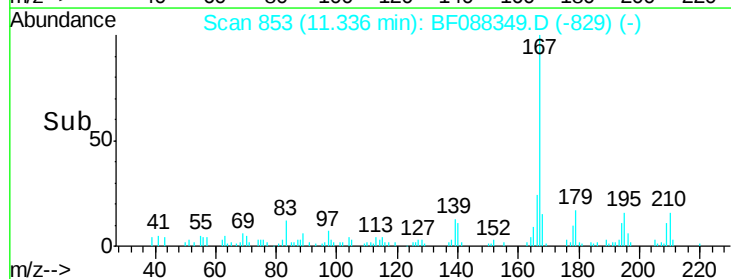
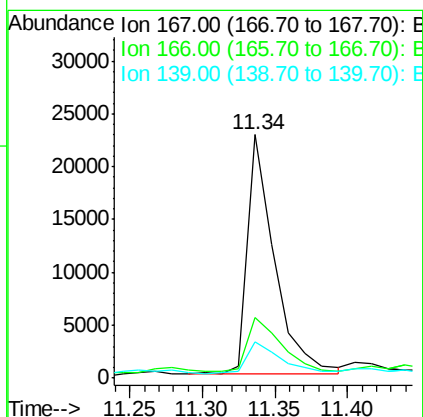
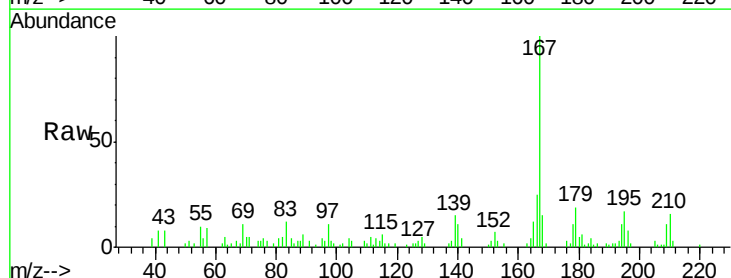
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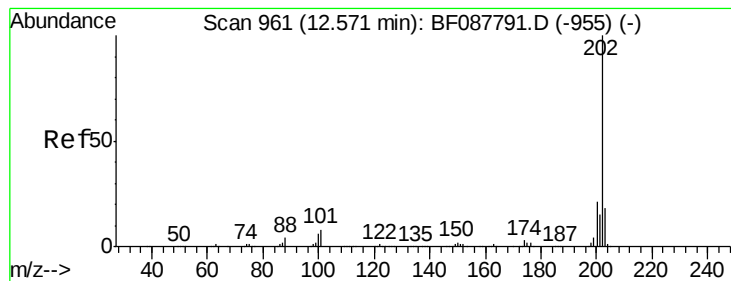
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#72
 Carbazole
 Concen: 2.80 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.1	17.8	26.6
139	14.6	11.2	16.8





#74

Fluoranthene

Concen: 92.01 ng

RT: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF088349.D

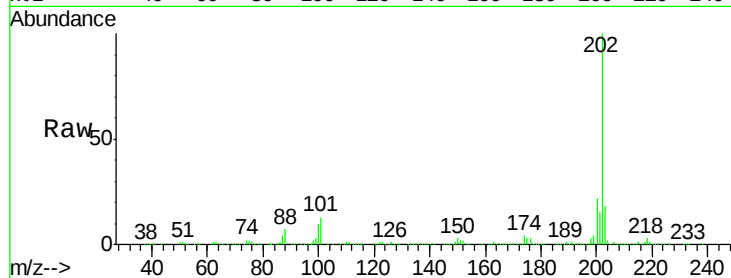
Acq: 24 Jun 2016 23:44

Instrument :

BNA_F

ClientSampleId :

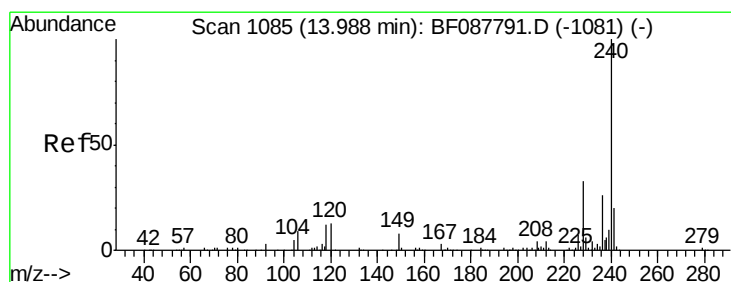
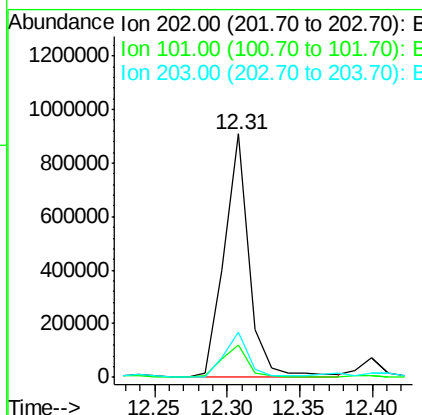
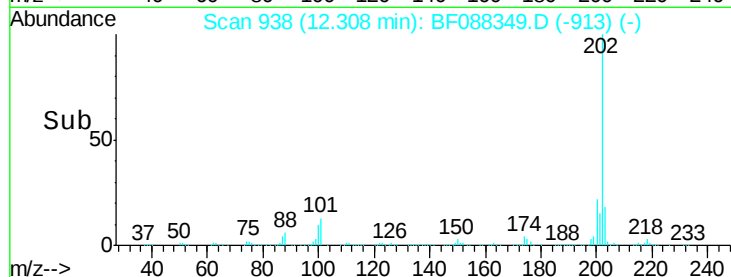
PM-STA-1393(0-4)



Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.1
203	18.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

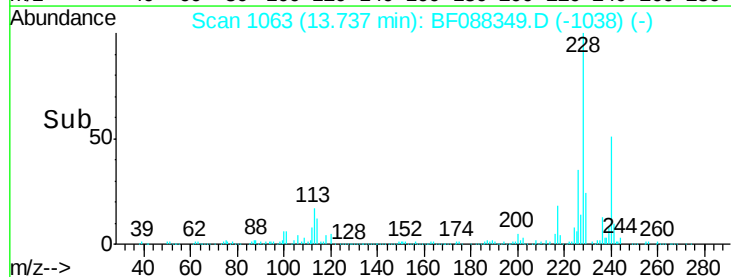
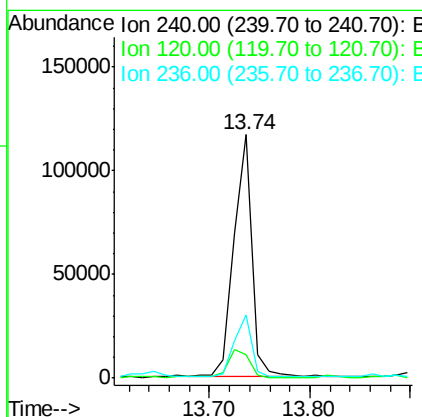
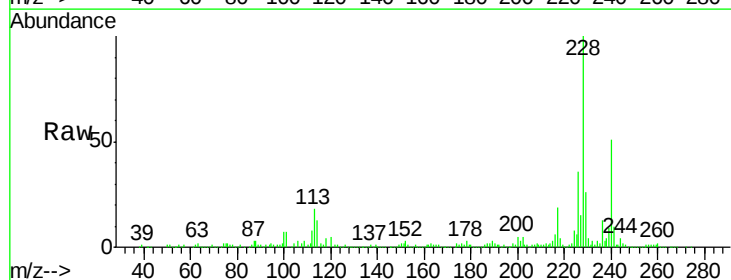
RT: 13.74 min Scan# 1063

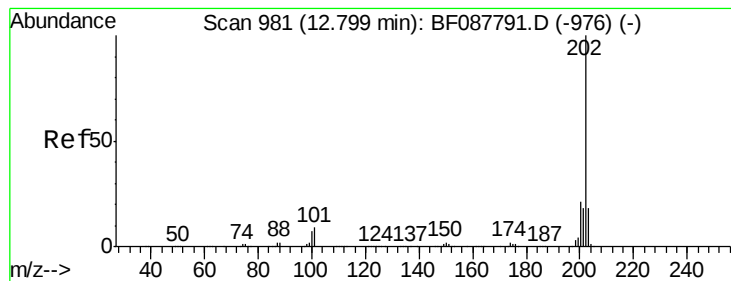
Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.8	10.2
236	25.7	20.2	30.2





#77

Pyrene

Concen: 112.12 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Instrument :

BNA_F

ClientSampleId :

PM-STA-1393(0-4)

Tgt Ion:202 Resp: 1200780

Ion Ratio Lower Upper

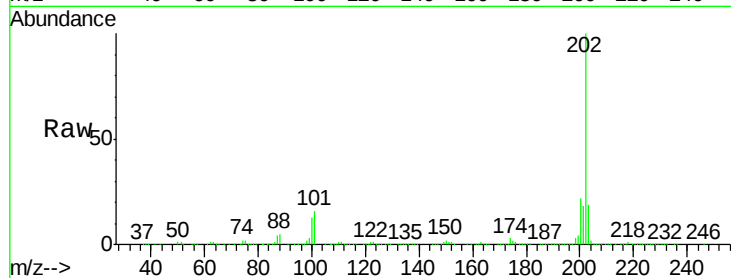
202 100

200 22.2 17.4 26.2

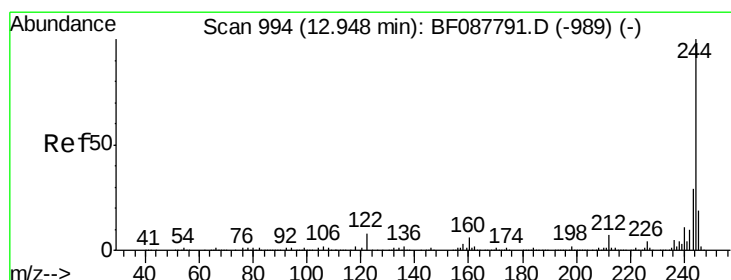
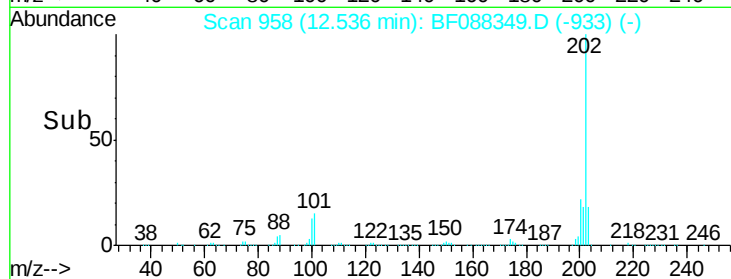
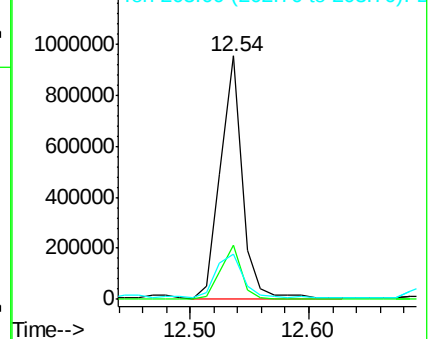
203 18.5 14.5 21.7

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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: 35.73 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

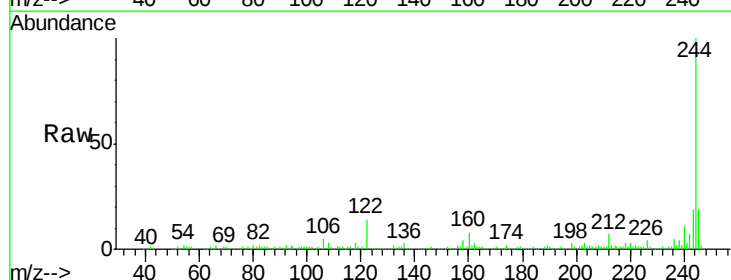
Tgt Ion:244 Resp: 226618

Ion Ratio Lower Upper

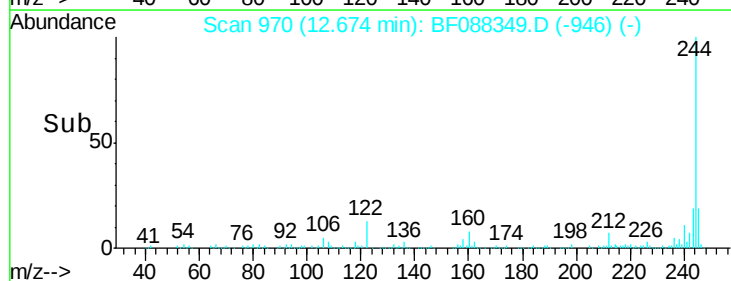
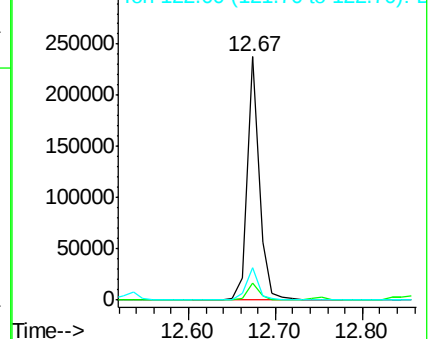
244 100

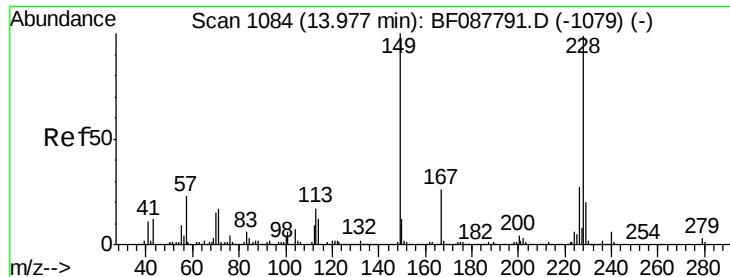
212 7.2 6.0 9.0

122 13.5 11.2 16.8



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: 112.27 ng m

RT: 13.73 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Instrument :

BNA_F

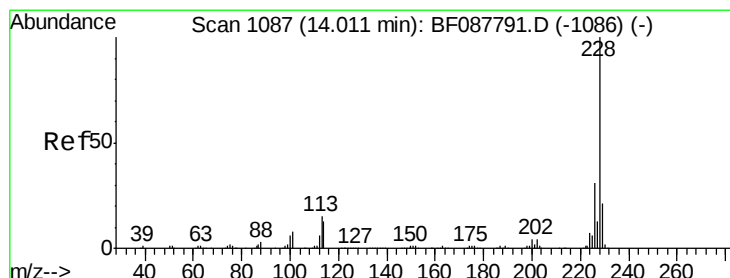
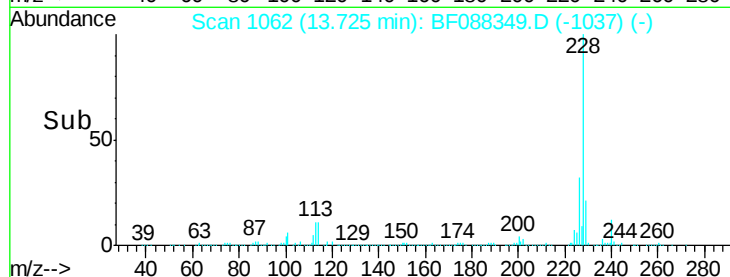
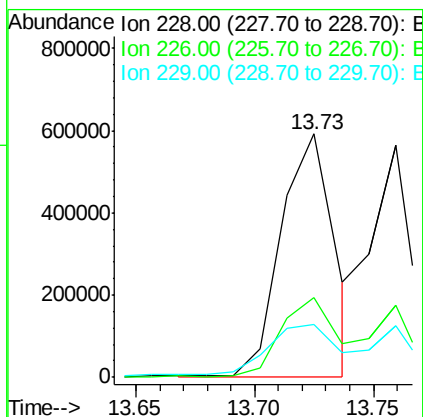
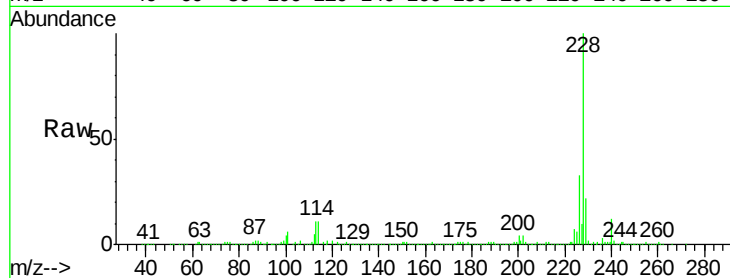
ClientSampleId :

PM-STA-1393(0-4)

Tgt Ion:	228	Resp:	923370
Ion Ratio	Lower	Upper	
228	100		
226	32.6	22.3	33.5
229	21.6	16.0	24.0

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#82

Chrysene

Concen: 87.96 ng m

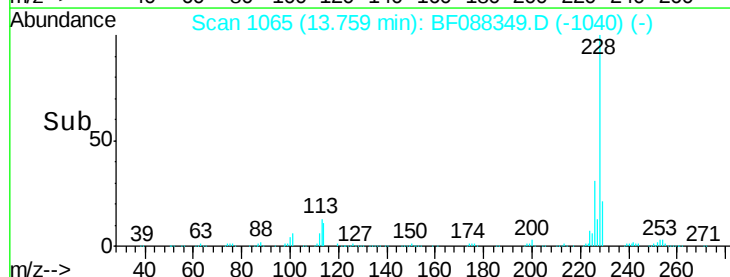
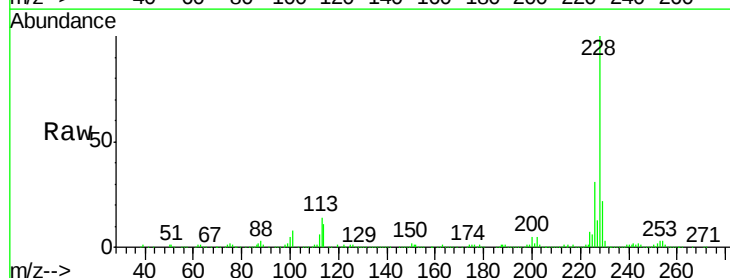
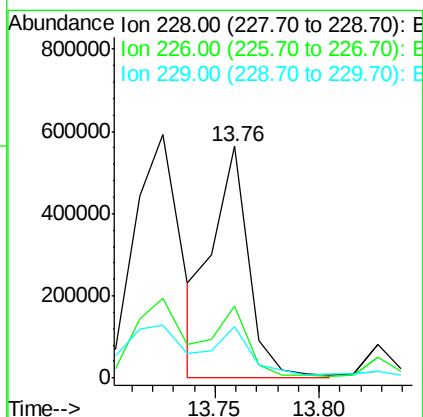
RT: 13.76 min Scan# 1065

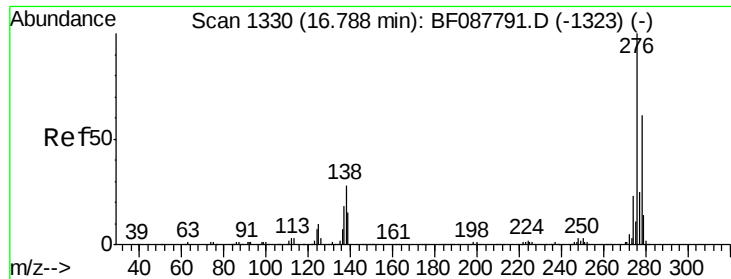
Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Tgt Ion:	228	Resp:	680587
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.4	38.2
229	22.5	16.3	24.5





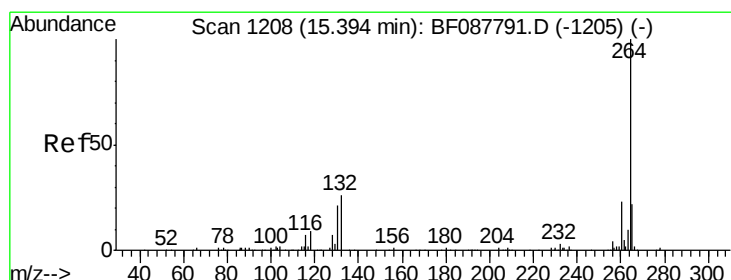
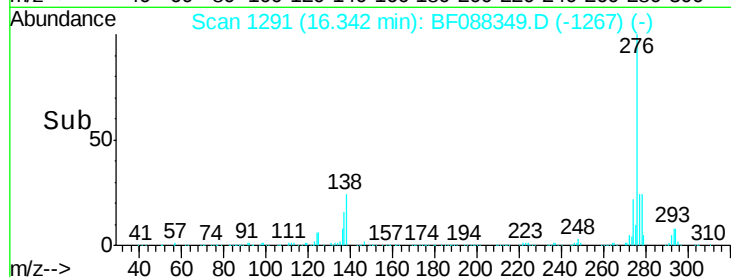
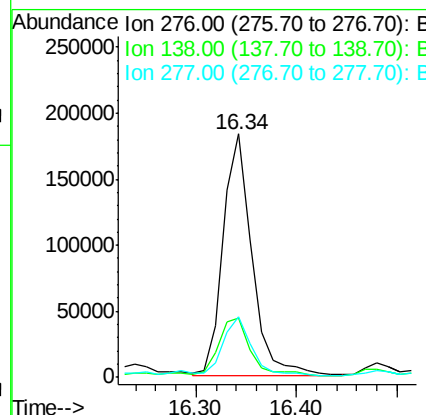
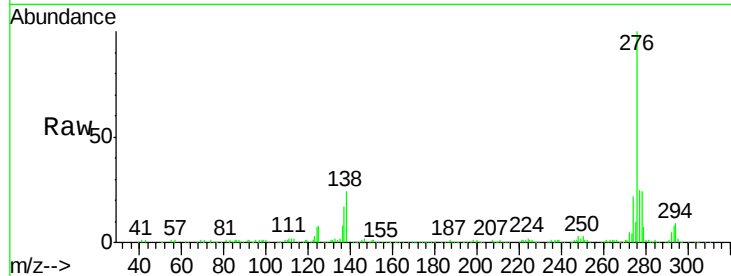
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.51 ng
 RT: 16.34 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.6	0.0	0.0#
277	24.9	0.0	0.0#

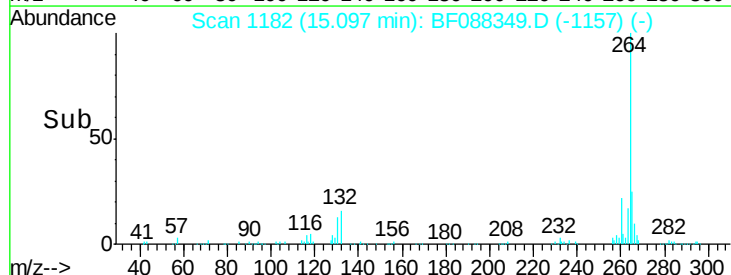
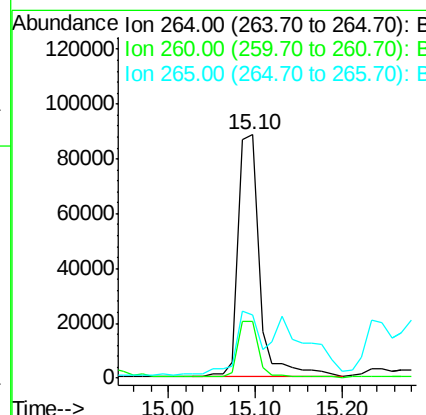
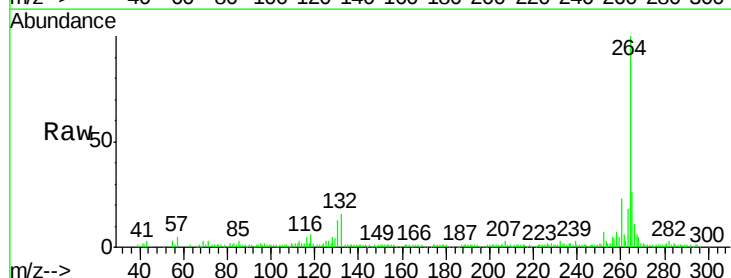
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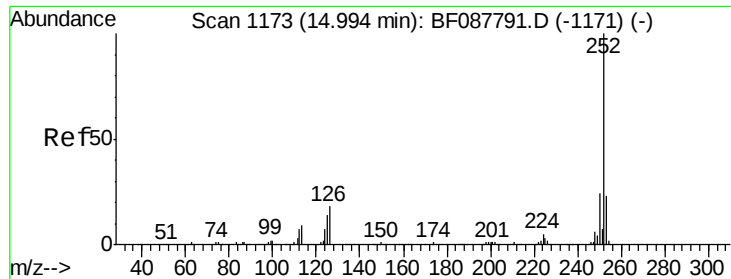
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.3	19.2	28.8
265	25.8	16.9	25.3#





#87

Benzo(b)fluoranthene

Concen: 98.44 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Instrument :

BNA_F

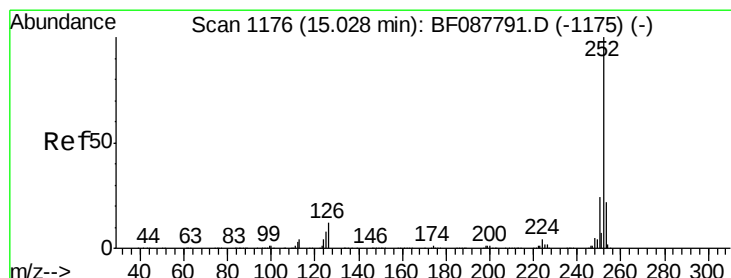
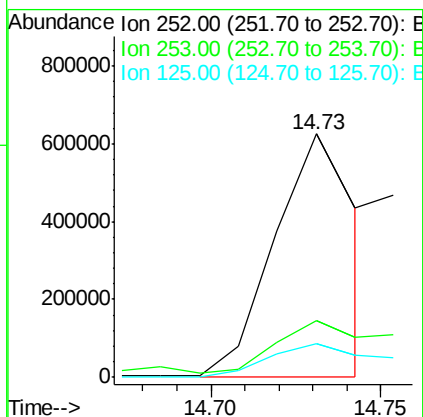
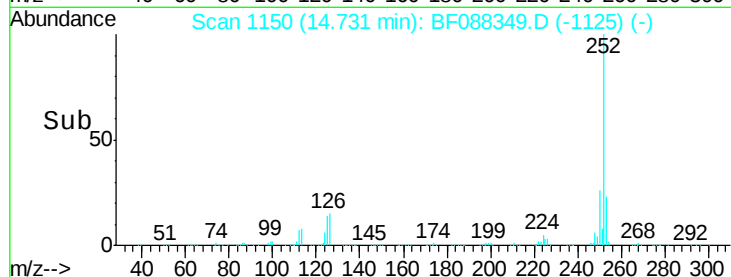
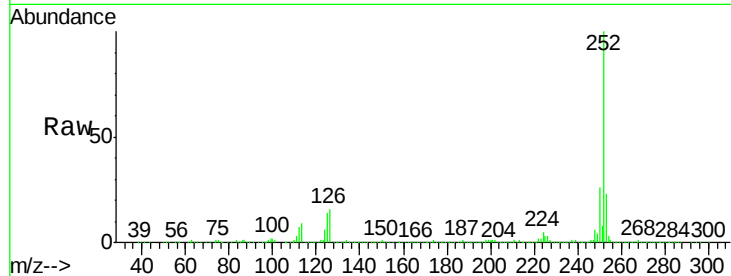
ClientSampleId :

PM-STA-1393(0-4)

Tgt Ion:	252	Resp:	1039504
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	13.8	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 49.28 ng m

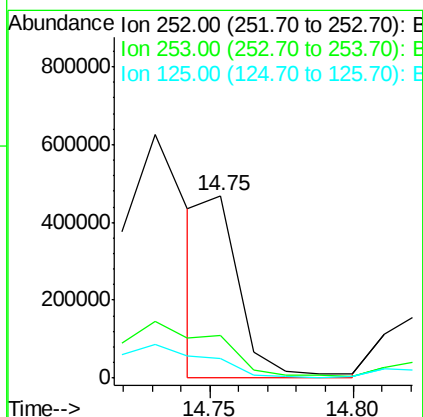
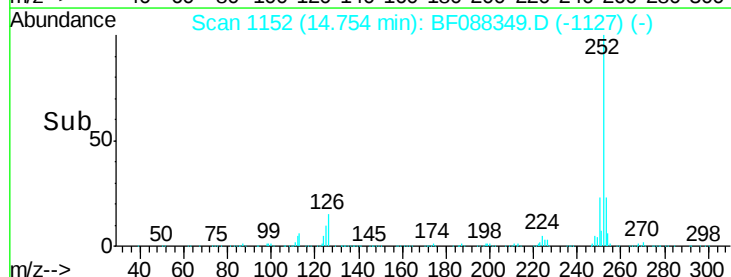
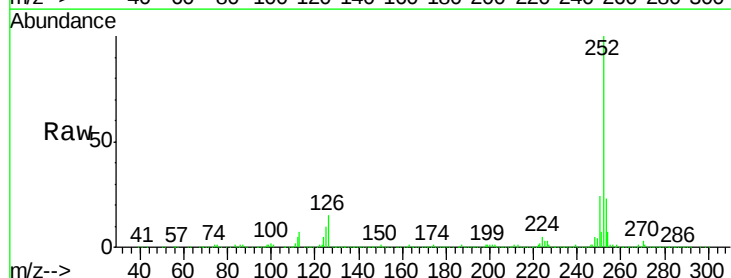
RT: 14.75 min Scan# 1152

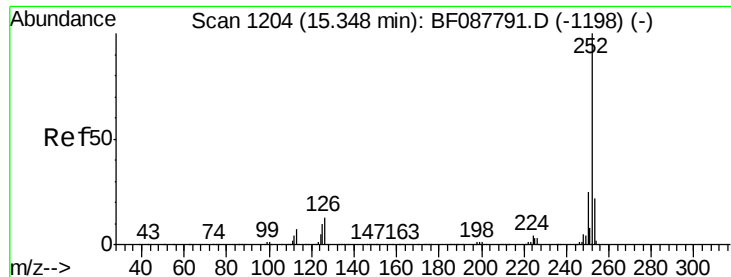
Delta R.T. -0.01 min

Lab File: BF088349.D

Acq: 24 Jun 2016 23:44

Tgt Ion:	252	Resp:	392507
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	10.5	11.2	16.8#





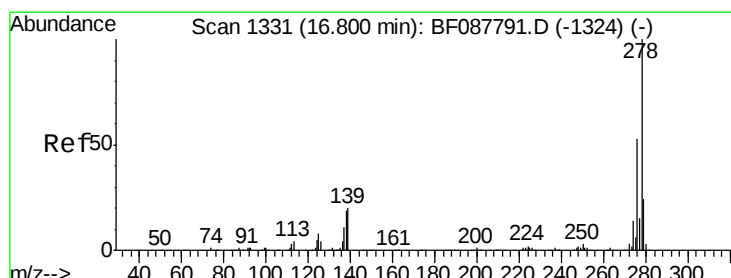
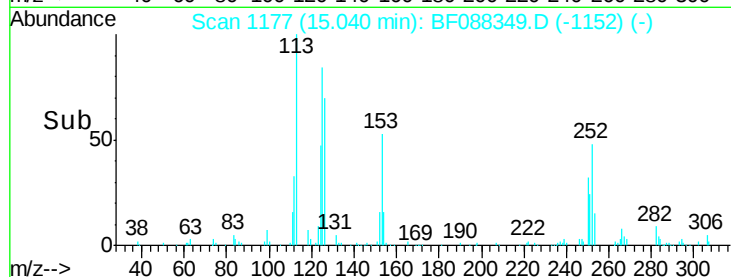
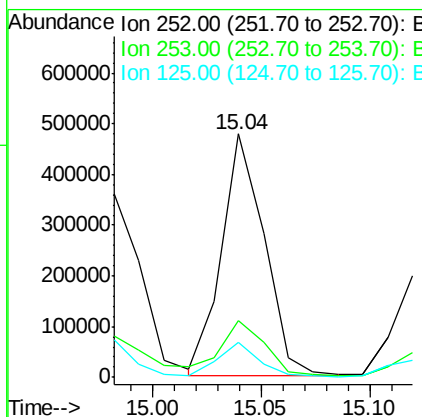
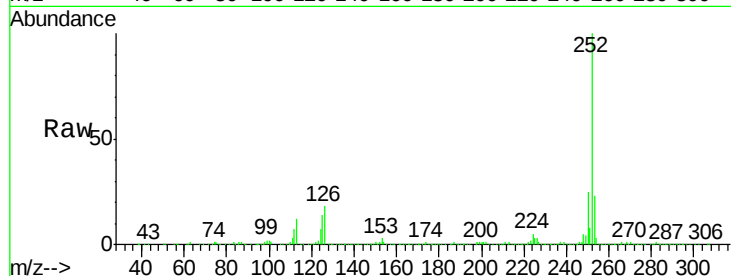
#89
Benzo(a)pyrene
Concen: 76.59 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF088349.D
Acq: 24 Jun 2016 23:44

Instrument :
BNA_F
ClientSampleId :
PM-STA-1393(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	654295		
253	23.4	17.9	26.9	
125	14.4	12.5	18.7	

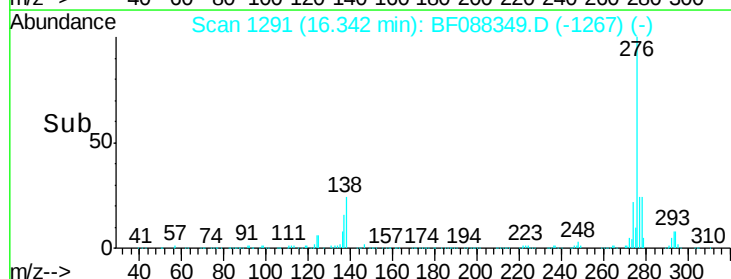
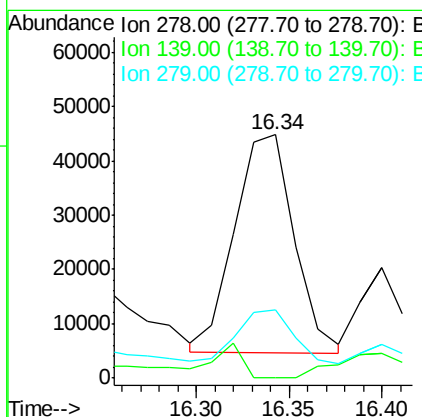
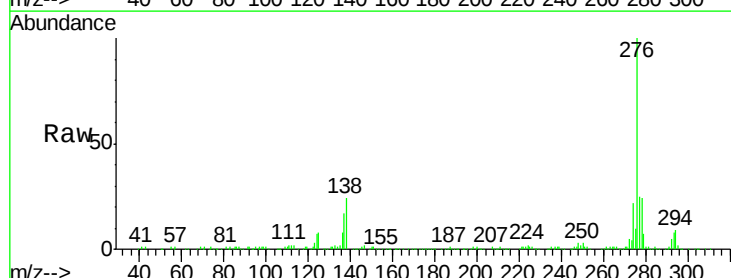
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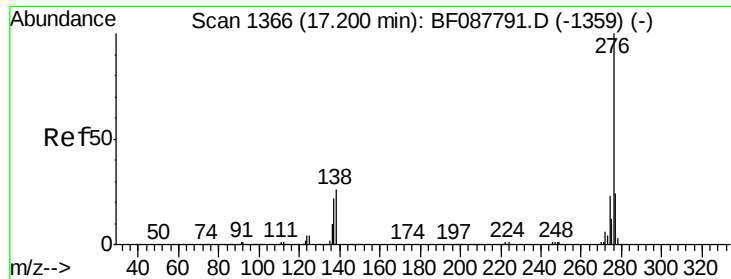
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#90
Dibenzo(a,h)anthracene
Concen: 11.30 ng m
RT: 16.34 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF088349.D
Acq: 24 Jun 2016 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	89663		
139	0.0	15.7	23.5#	
279	28.0	19.4	29.2	





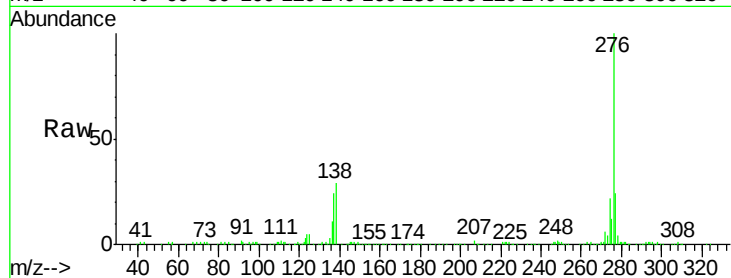
#91
 Benzo(g,h,i)perylene
 Concen: 37.57 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF088349.D
 Acq: 24 Jun 2016 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(0-4)

Tgt	Ion	276	Resp	306614
Ion	Ratio	Lower	Upper	
276	100			
277	24.1	18.9	28.3	
138	29.1	21.4	32.2	

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

