

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088428.D
 Acq On : 26 Jun 2016 19:55
 Operator : UM/SJ
 Sample : H3663-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
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Quant Time: Jun 27 18:37:57 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	6.55	152	80368	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	323994	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	147895	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	241064	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	152743	20.00	ng	-0.07
86) Perylene-d12	15.04	264	169328	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	207107	44.05	ng	-0.05
7) Phenol-d6	6.22	99	275872	48.42	ng	-0.05
23) Nitrobenzene-d5	7.12	82	168627	30.39	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	57675	36.93	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	304857	28.71	ng	-0.06
78) Terphenyl-d14	12.63	244	186427	27.77	ng	-0.07
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	50786	4.74	ng	99
51) Acenaphthene	9.61	154	74071	7.80	ng	98
54) Dibenzofuran	9.78	168	30385	2.32	ng	91
70) Phenanthrene	11.07	178	543268	42.95	ng	99
71) Anthracene	11.13	178	163607	12.82	ng	97
72) Carbazole	11.29	167	94272	7.90	ng	98
74) Fluoranthene	12.26	202	844428	63.26	ng	99
77) Pyrene	12.49	202	809182	71.39	ng	99
80) Benzo(a)anthracene	13.67	228	587857	67.54	ng	97
82) Chrysene	13.71	228	580258	70.86	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	298685	39.26	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	904641m	76.65	ng	
88) Benzo(k)fluoranthene	14.70	252	177715m	19.96	ng	
89) Benzo(a)pyrene	14.98	252	489245	51.24	ng	99
90) Dibenzo(a,h)anthracene	16.26	278	69652m	7.85	ng	
91) Benzo(g,h,i)perylene	16.63	276	267076	29.28	ng	97

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

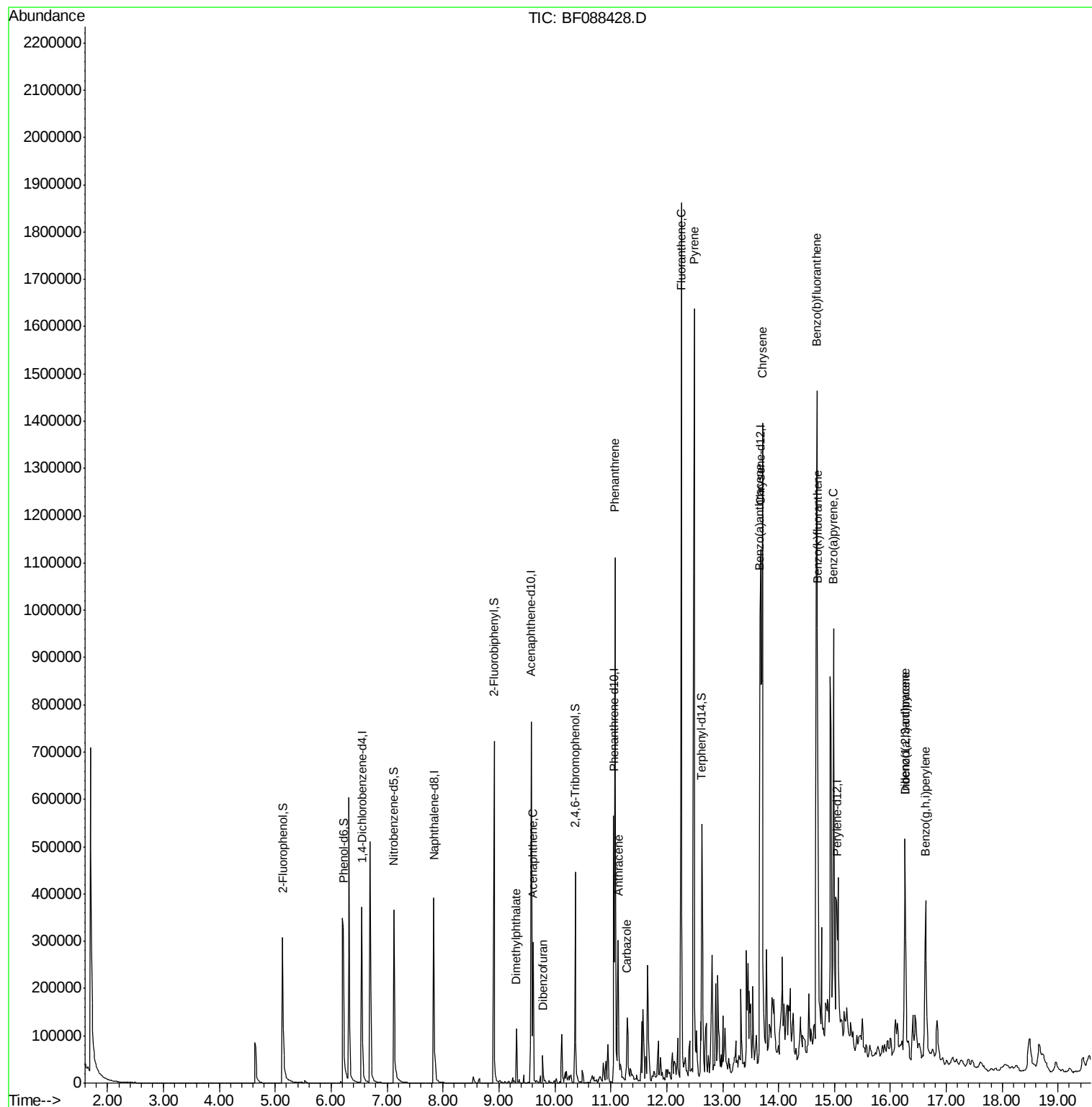
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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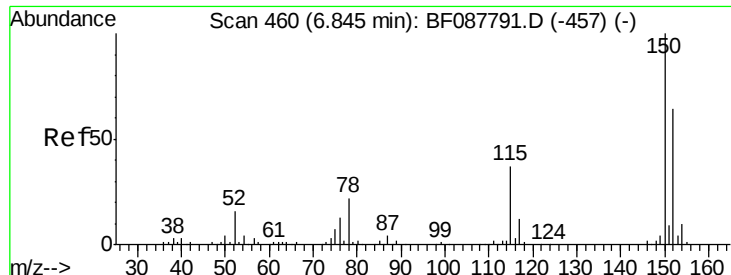
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
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#1

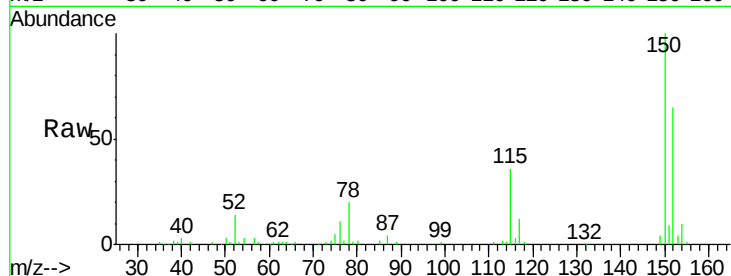
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.06 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Instrument :
 BNA_F
 ClientSampled :
 TP-8

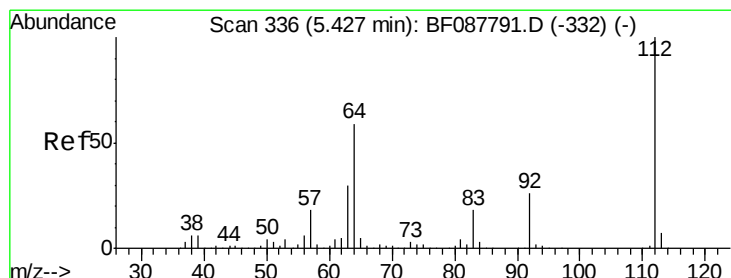
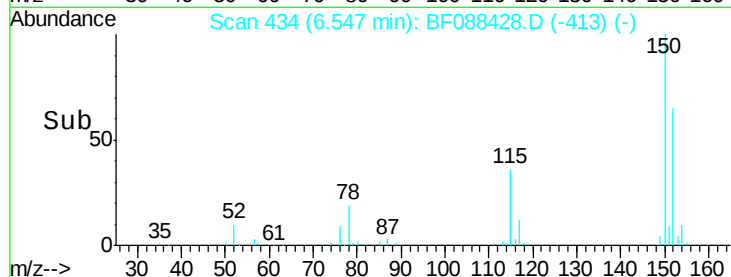
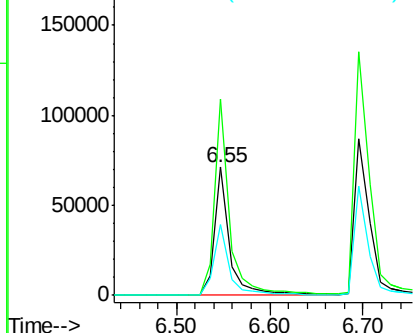
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.8	185.6
115	55.8	39.6	59.4

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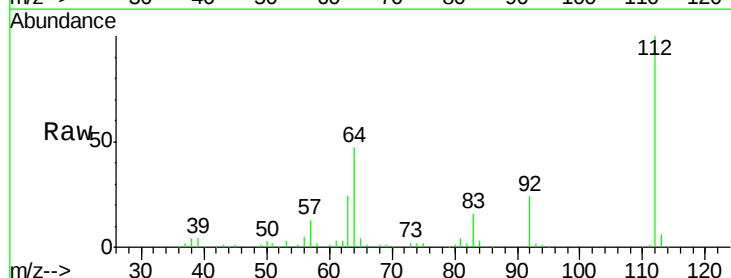
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



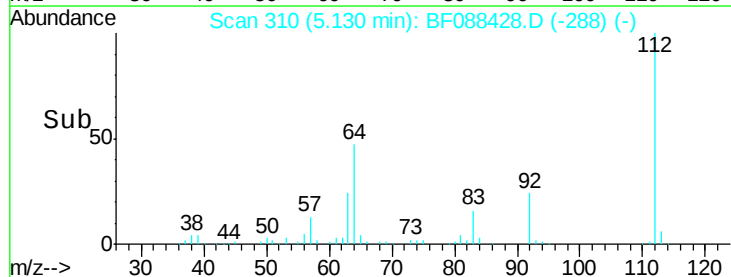
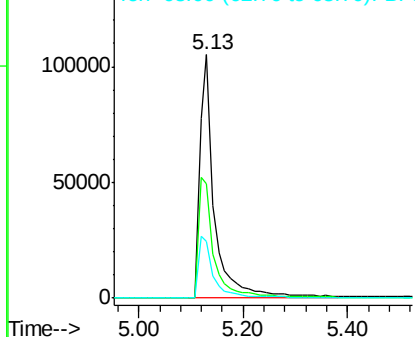
#5

2-Fluorophenol
 Concen: 44.05 ng
 RT: 5.13 min Scan# 310
 Delta R.T. -0.05 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.7	42.2	63.2
63	23.5	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: 48.42 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

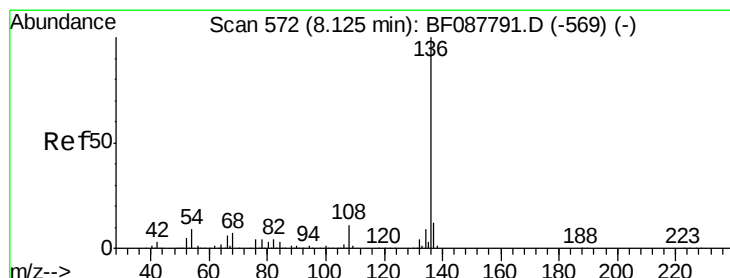
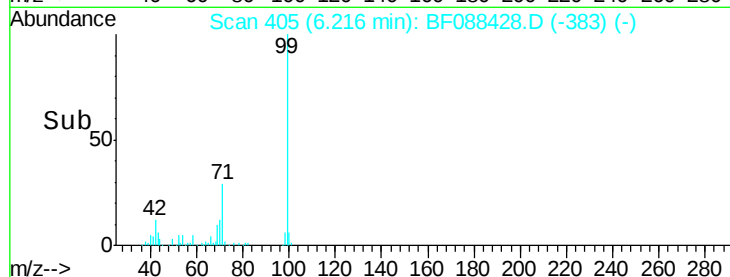
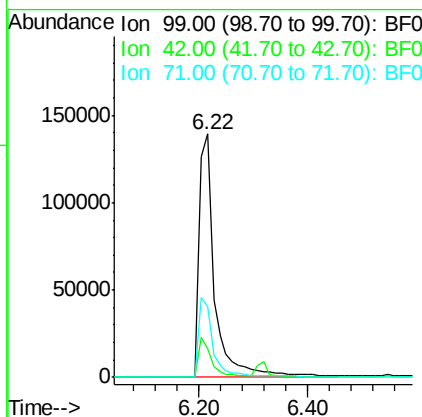
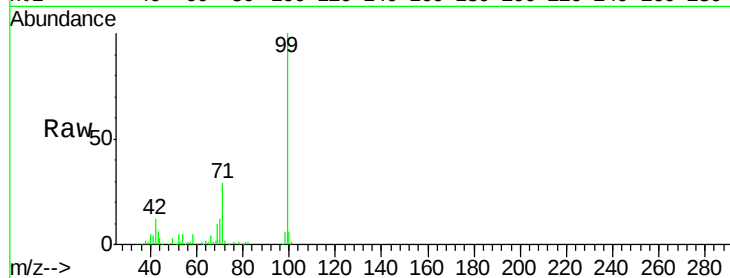
ClientSampled :

TP-8

Tot Ion:	99	Resp:	275872
Ion Ratio	Lower	Upper	
99	100		
42	11.9	12.2	18.2#
71	28.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

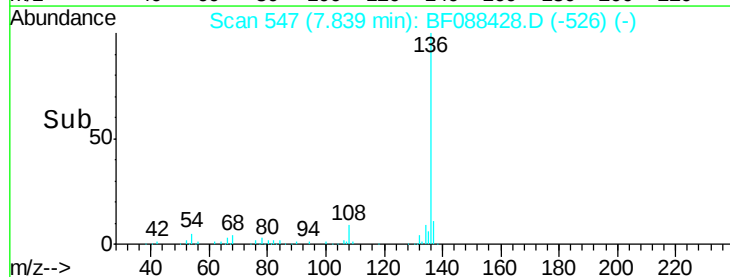
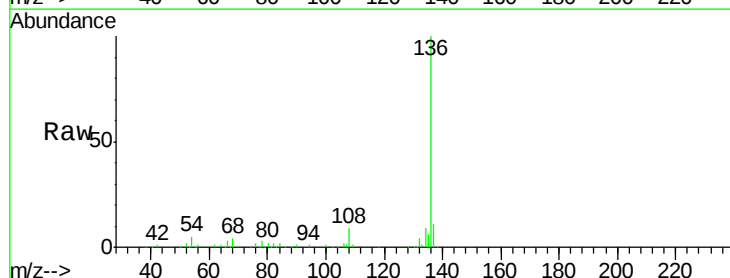
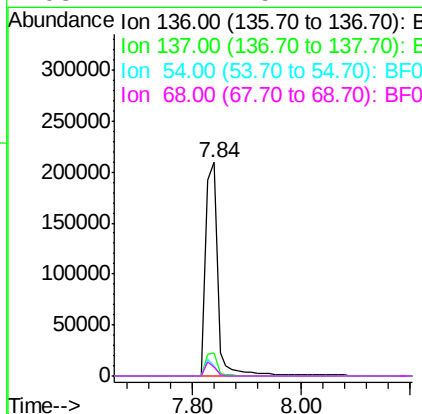
RT: 7.84 min Scan# 547

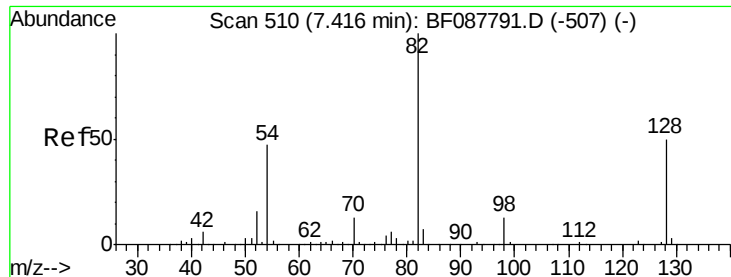
Delta R.T. -0.06 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Tgt Ion:	136	Resp:	323994
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.1	13.7
54	4.7	6.6	10.0#
68	4.2	5.1	7.7#





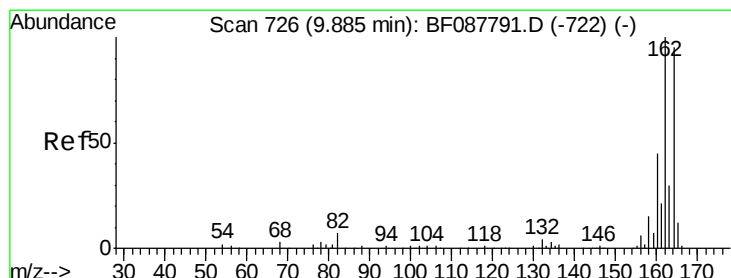
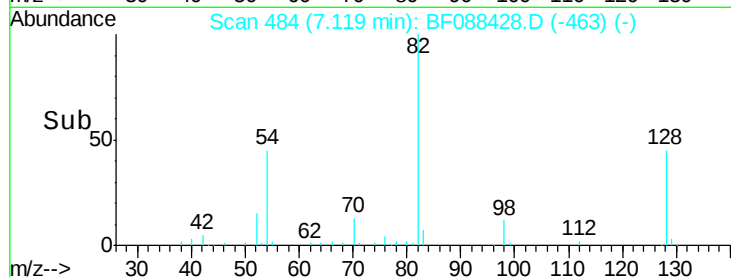
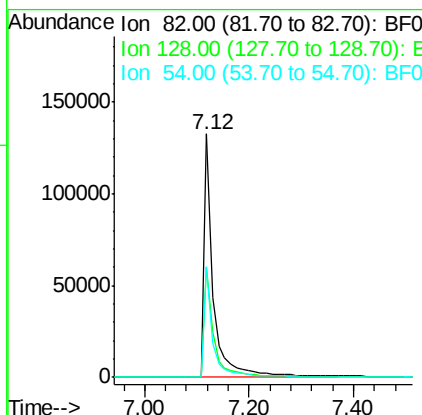
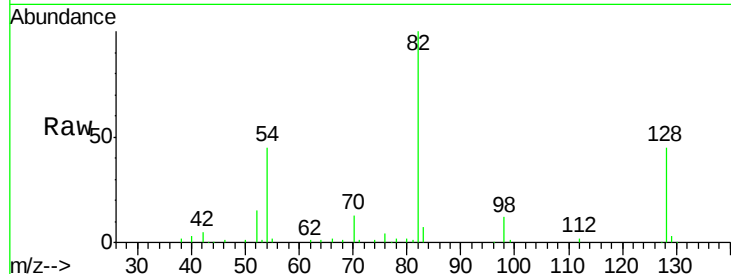
#23
 Nitrobenzene-d5
 Concen: 30.39 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.9	53.9
54	45.4	40.9	61.3

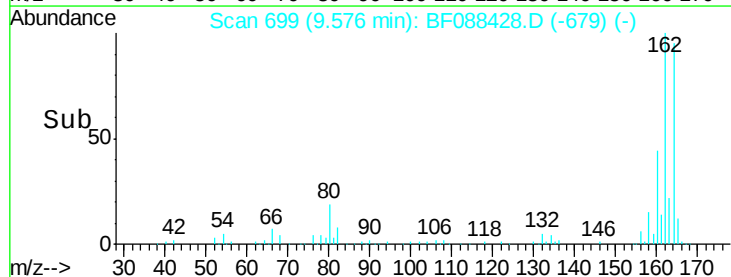
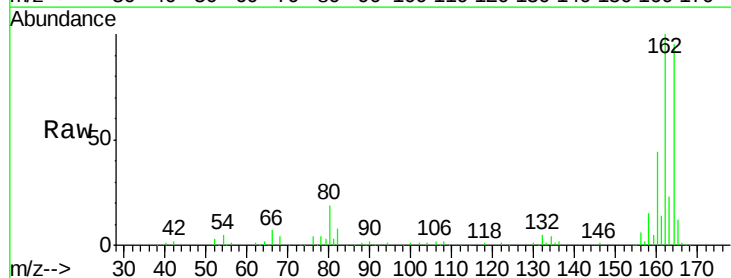
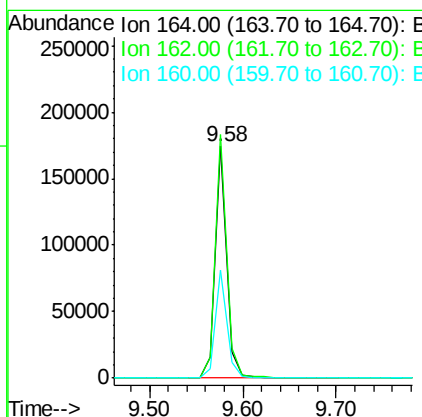
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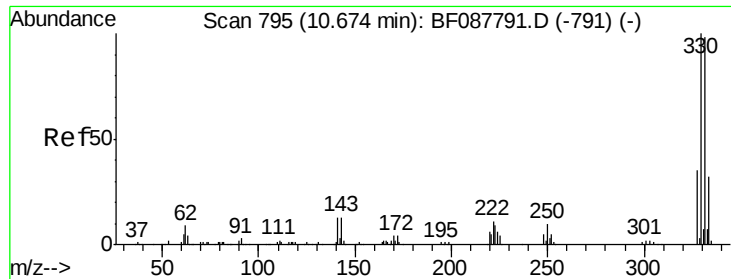
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.07 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.4	128.2
160	46.5	39.5	59.3





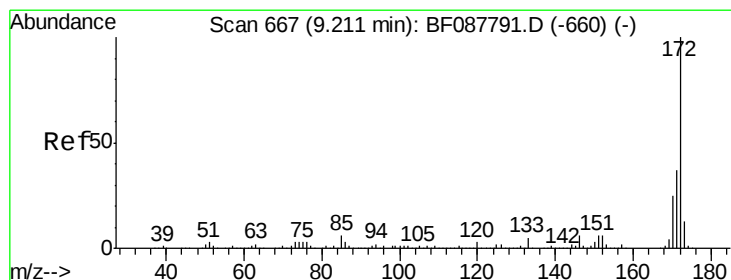
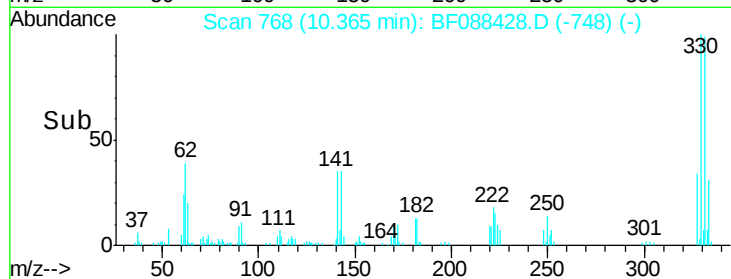
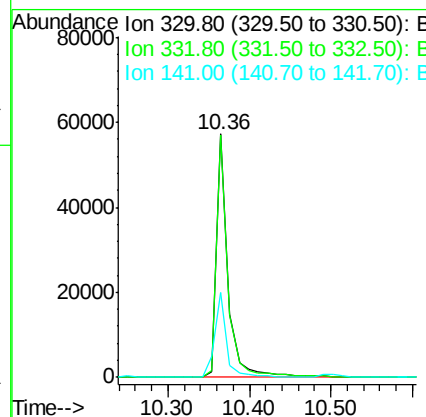
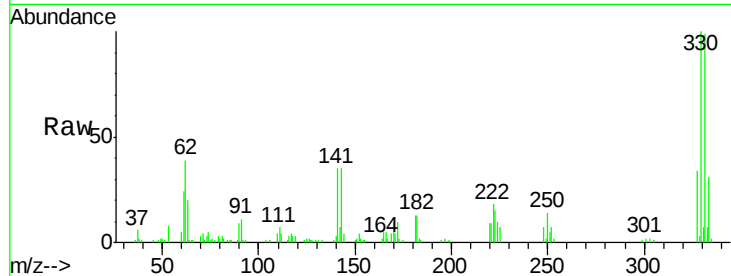
#41
 2,4,6-Tribromophenol
 Concen: 36.93 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Resp	Lower	Upper
330	100	57675		
332	98.5	0.0	0.0	0.0
141	36.3	0.0	0.0	0.0

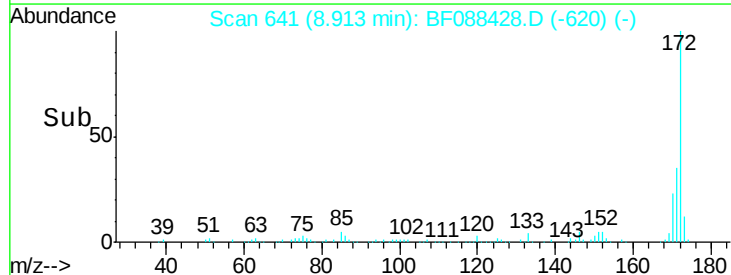
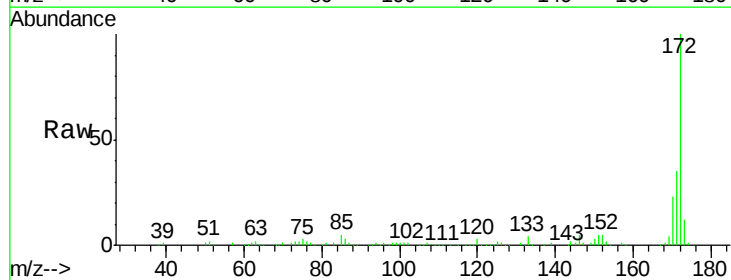
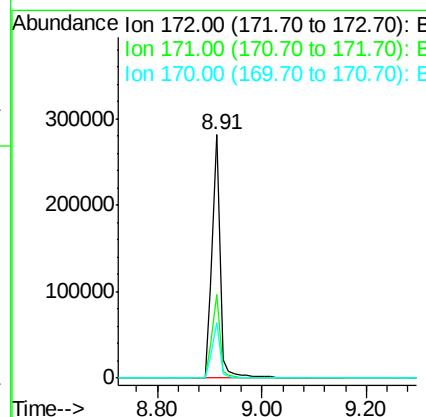
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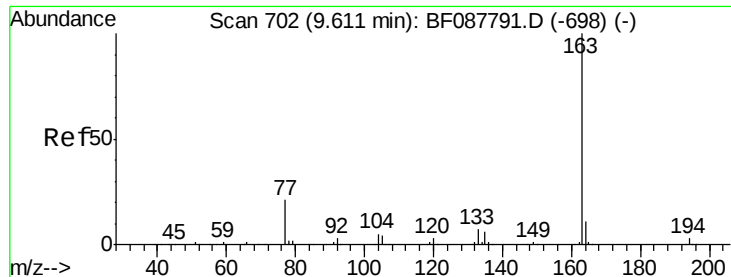
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#44
 2-Fluorobiphenyl
 Concen: 28.71 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	304857		
171	34.6	28.6	43.0	
170	22.9	19.2	28.8	





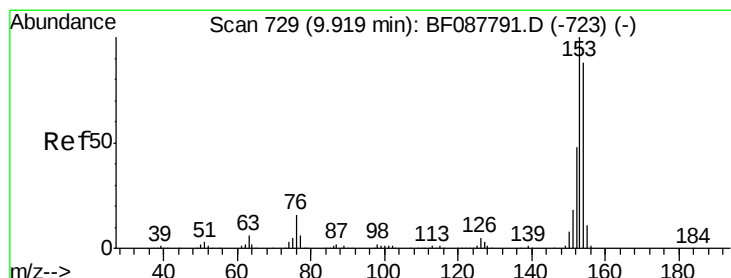
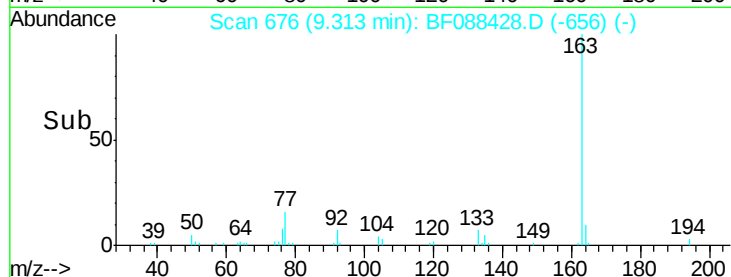
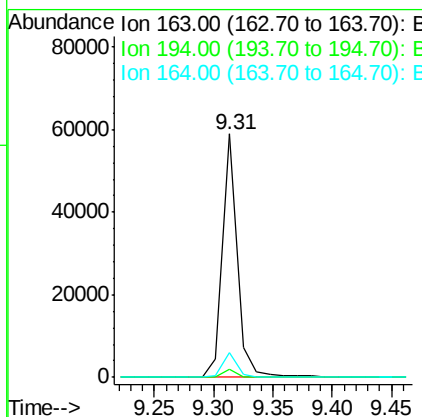
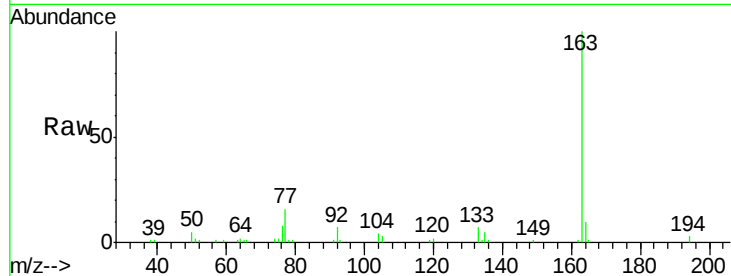
#49
Dimethylphthalate
Concen: 4.74 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.1	8.3	12.5

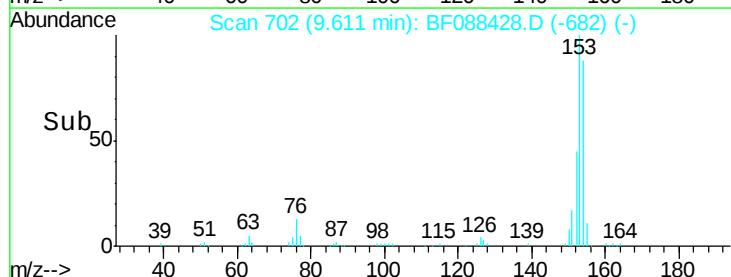
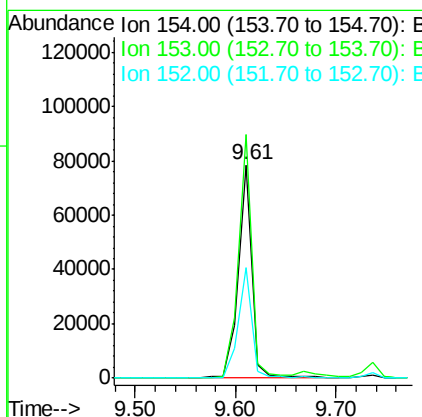
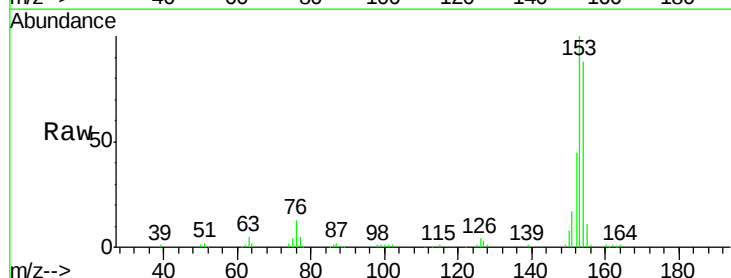
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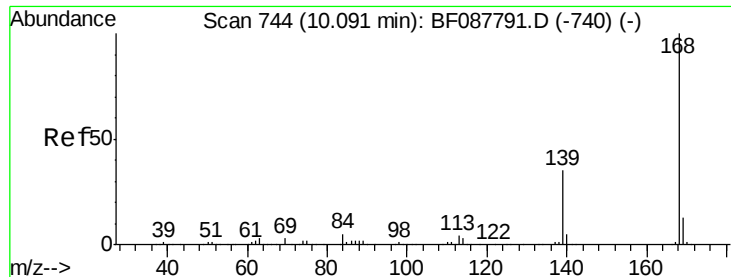
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#51
Acenaphthene
Concen: 7.80 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.5	134.3
152	51.8	42.7	64.1





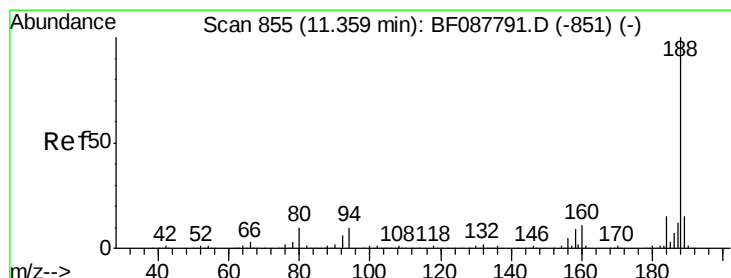
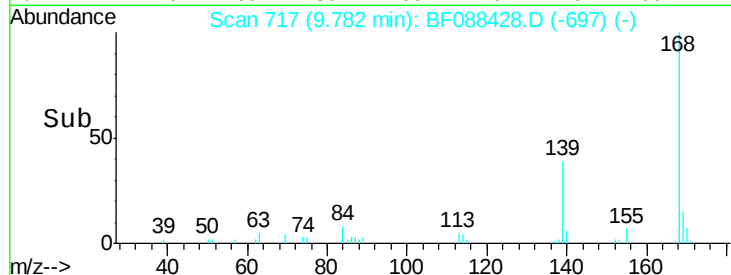
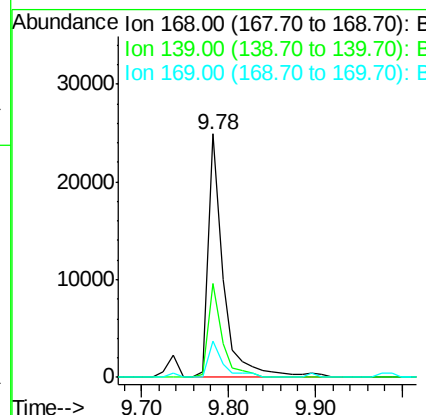
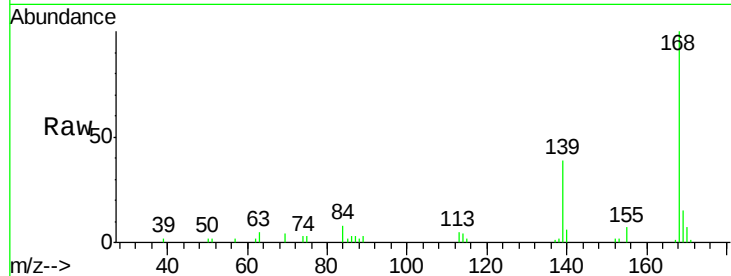
#54
Dibenzenofuran
Concen: 2.32 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	26.4	39.6
169	14.9	10.4	15.6

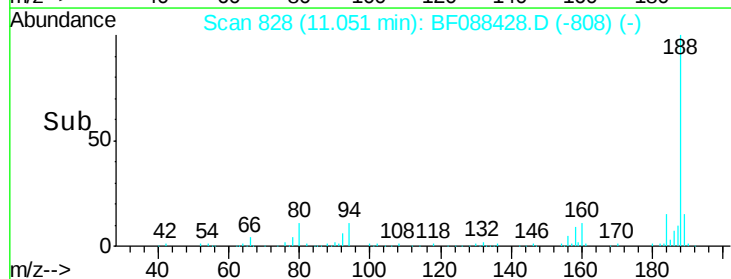
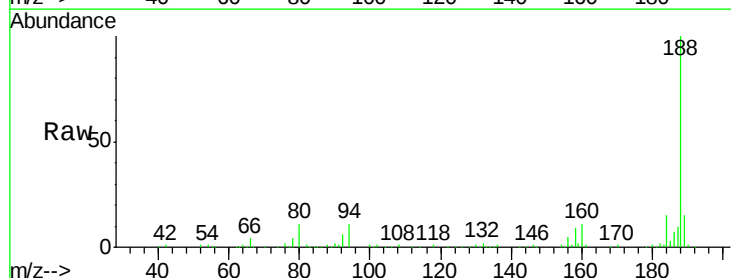
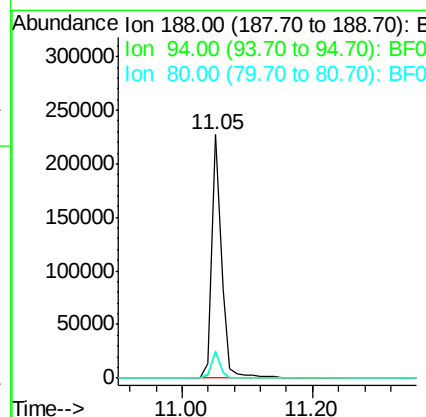
Manual Integrations
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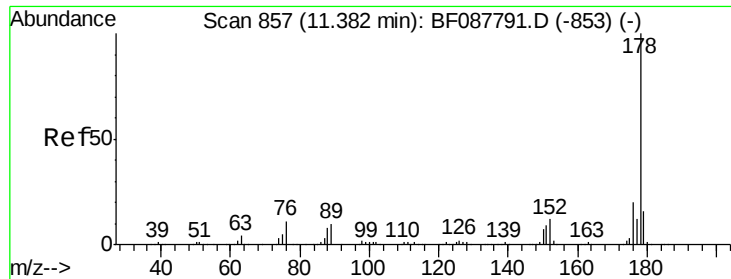
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.0	13.6
80	11.1	10.0	15.0





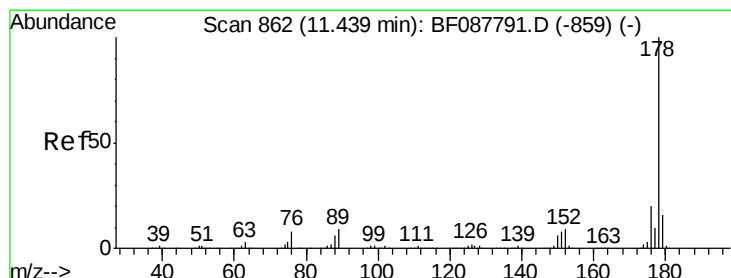
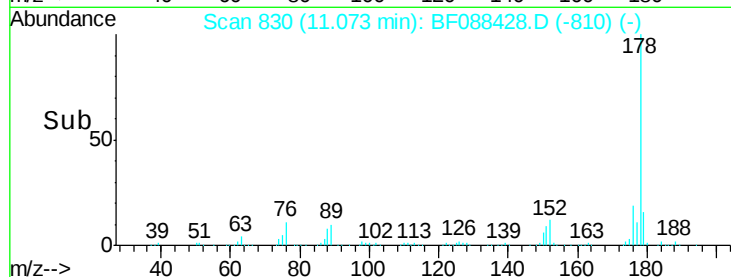
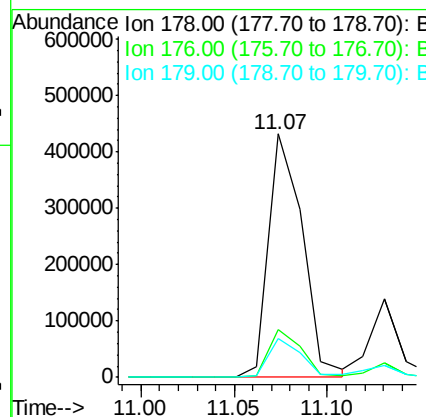
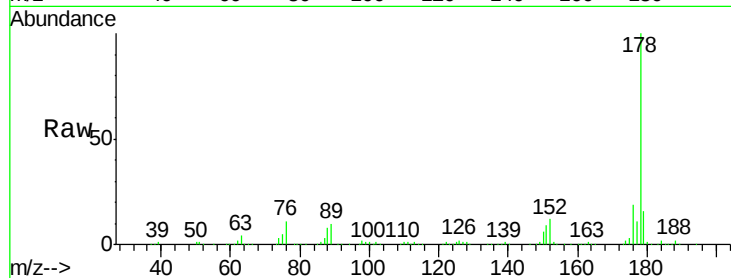
#70
Phenanthrene
Concen: 42.95 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.8	13.0	19.4

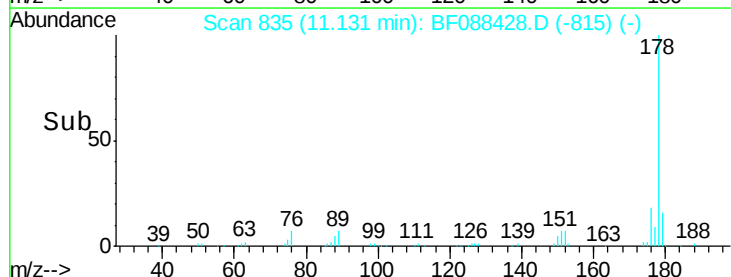
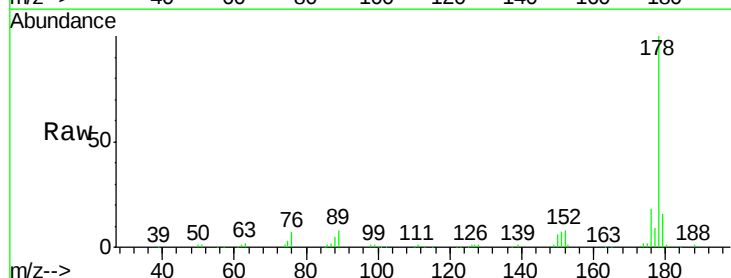
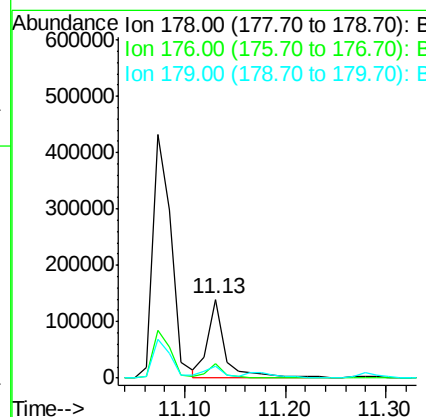
Manual Integrations
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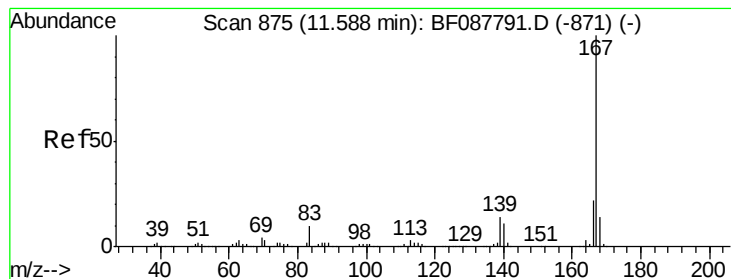
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#71
Anthracene
Concen: 12.82 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	15.5	12.8	19.2





#72

Carbazole

Concen: 7.90 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

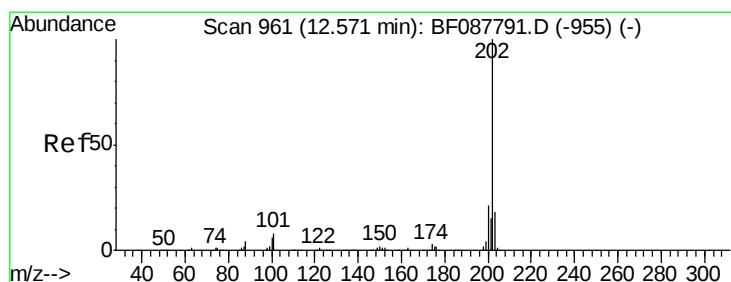
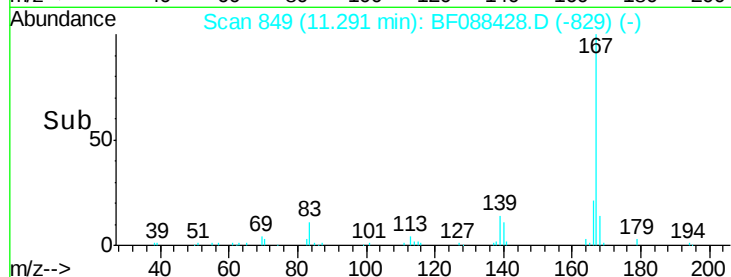
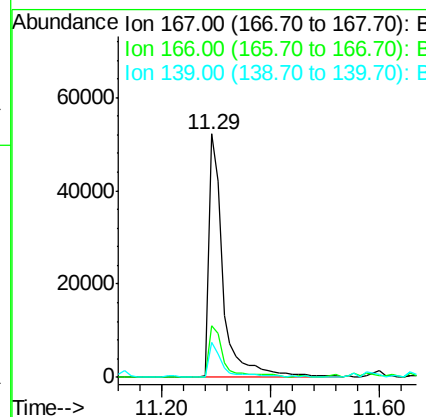
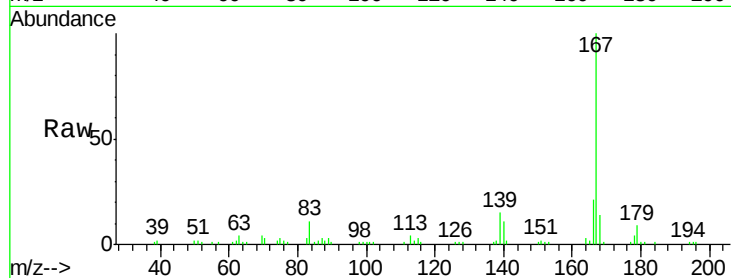
ClientSampleId :

TP-8

Tot Ion:	167	Resp:	94272
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.8	26.6
139	14.5	11.2	16.8

Manual Integrations
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#74

Fluoranthene

Concen: 63.26 ng

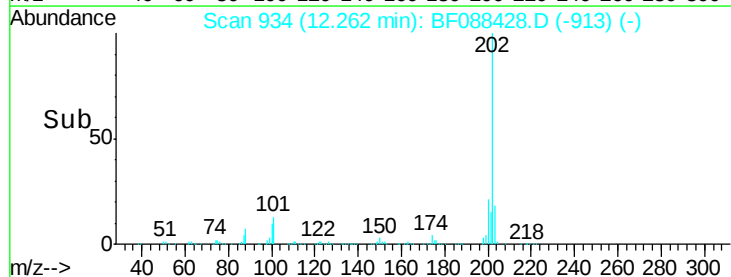
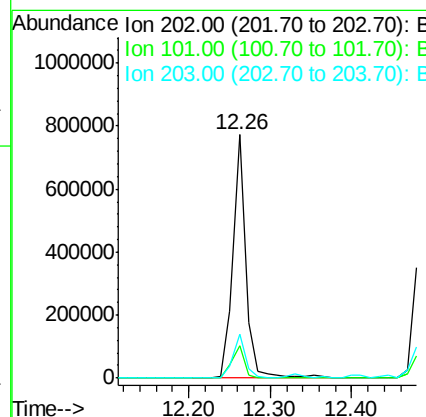
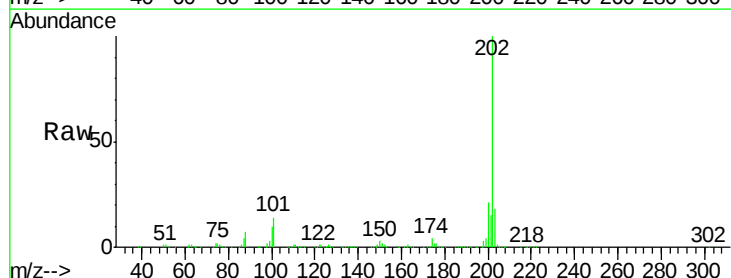
RT: 12.26 min Scan# 934

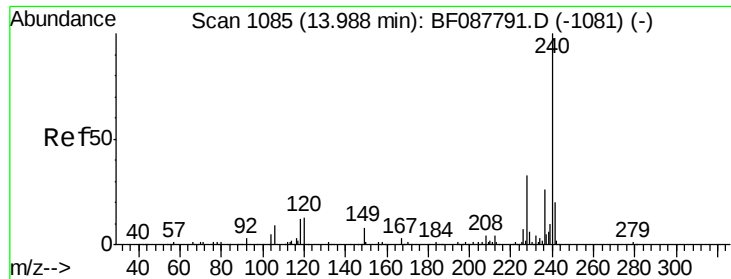
Delta R.T. -0.06 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Tgt Ion:	202	Resp:	844428
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	33.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

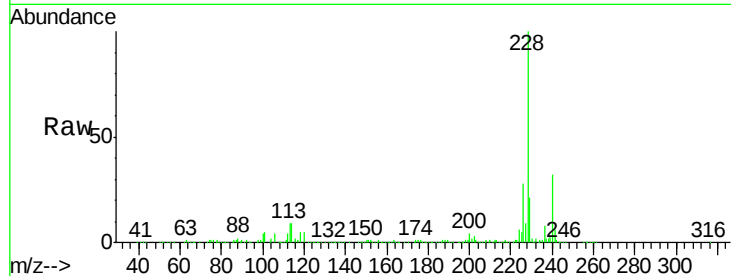
ClientSampled :

TP-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.1	6.8	10.2#
236	25.2	20.2	30.2

Manual Integrations
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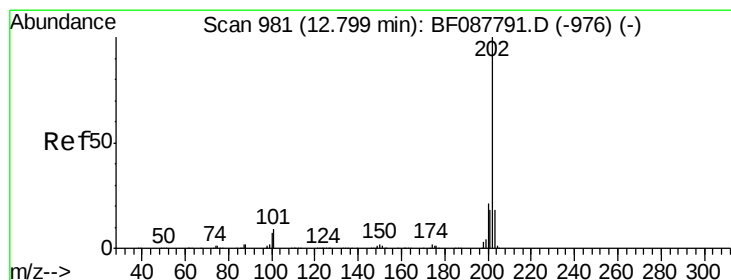
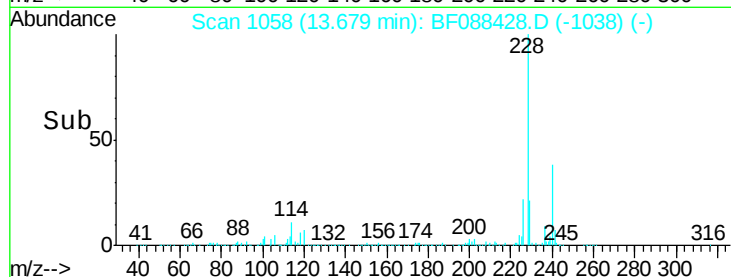
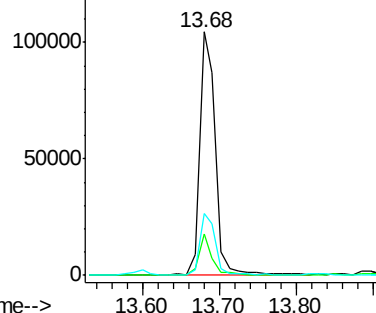
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 71.39 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088428.D

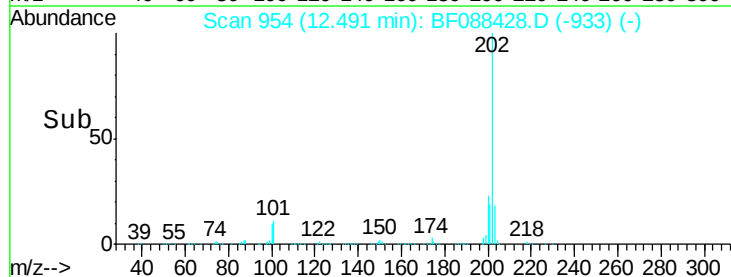
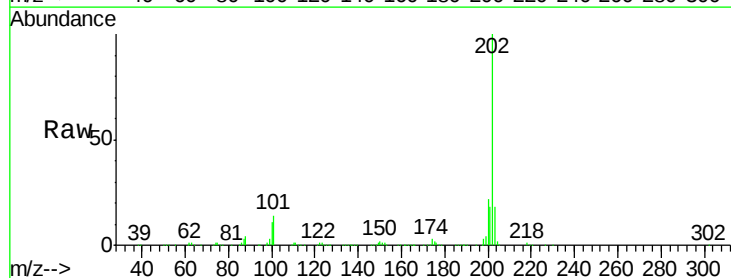
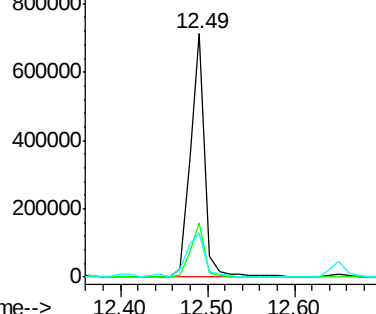
Acq: 26 Jun 2016 19:55

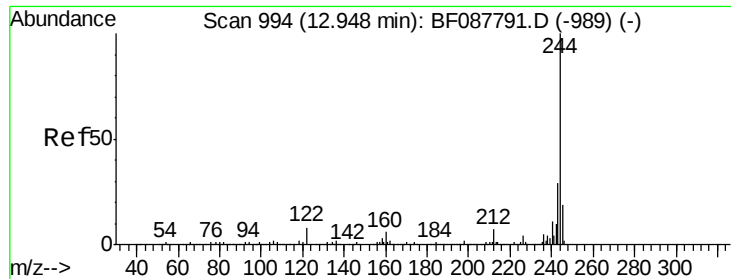
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.9	14.5	21.7

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





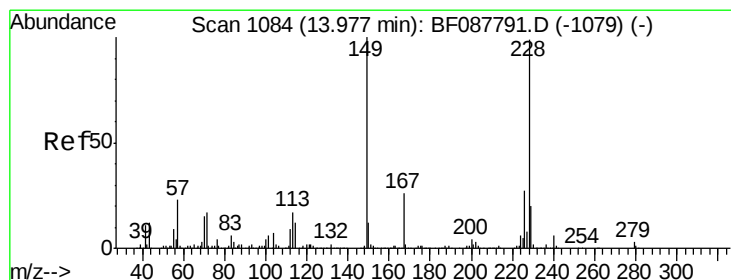
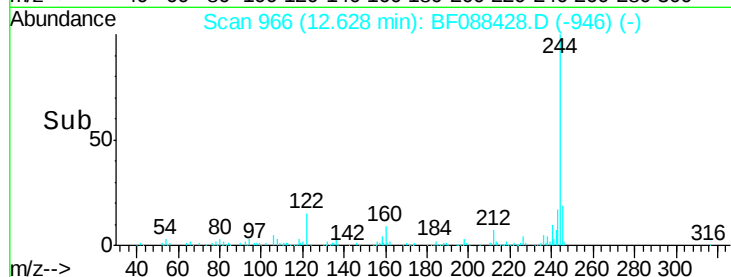
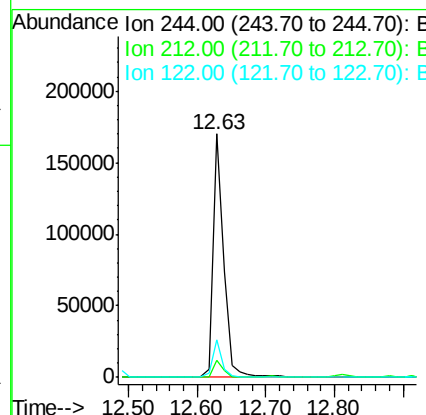
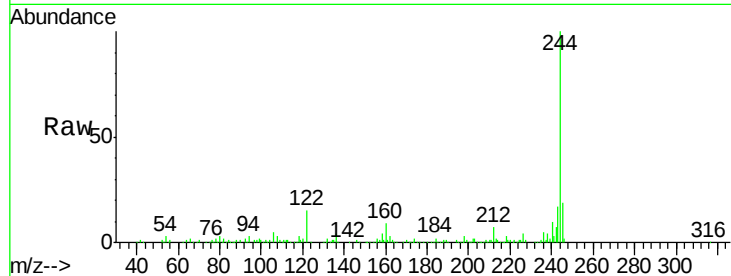
#78
 Terphenyl-d14
 Concen: 27.77 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.07 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.2	11.2	16.8

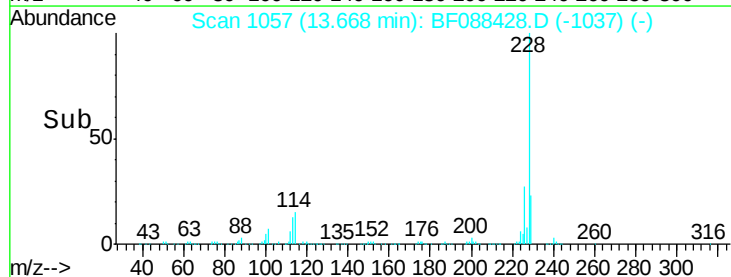
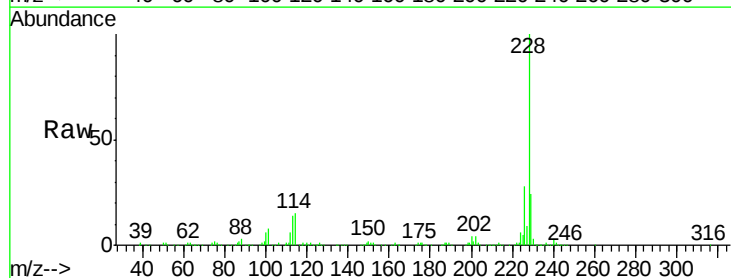
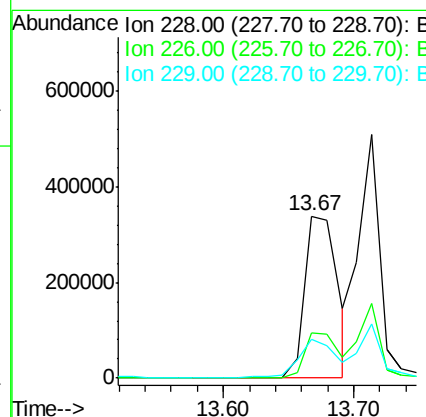
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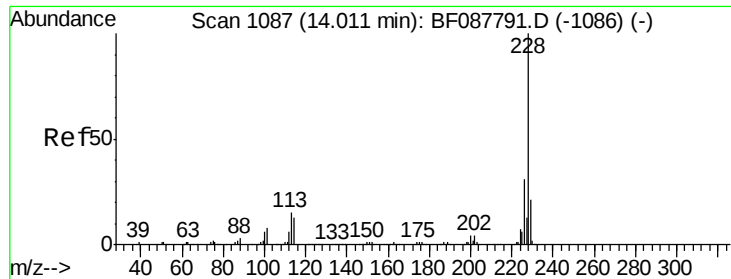
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#80
 Benzo(a)anthracene
 Concen: 67.54 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.07 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.3	33.5
229	23.7	16.0	24.0





#82

Chrysene

Concen: 70.86 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

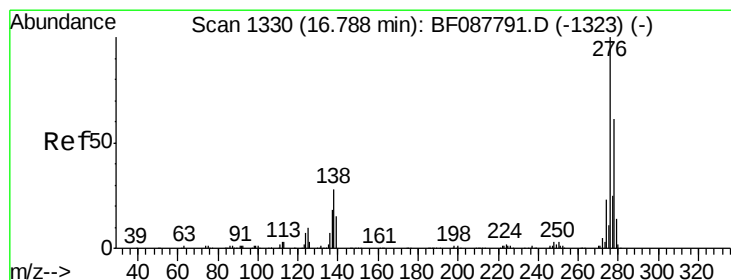
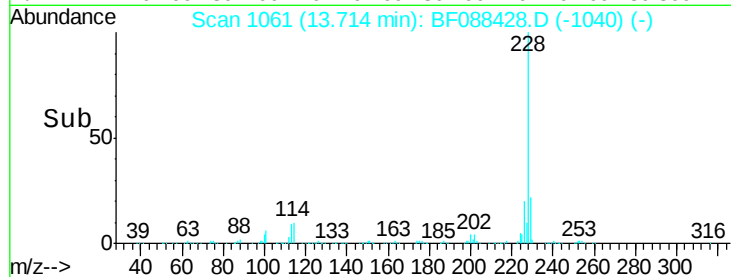
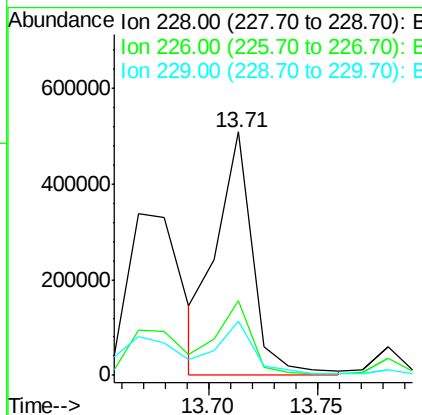
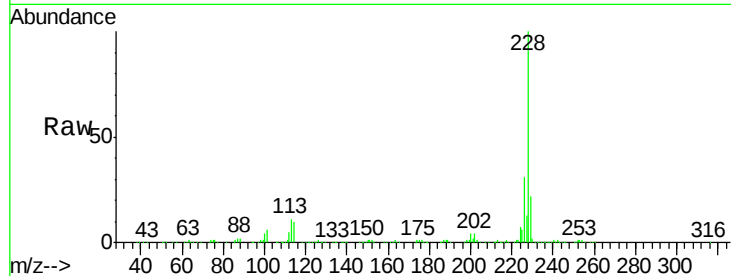
ClientSampled :

TP-8

Tot Ion:	228	Resp:	580258
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.4	38.2
229	22.4	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 39.26 ng

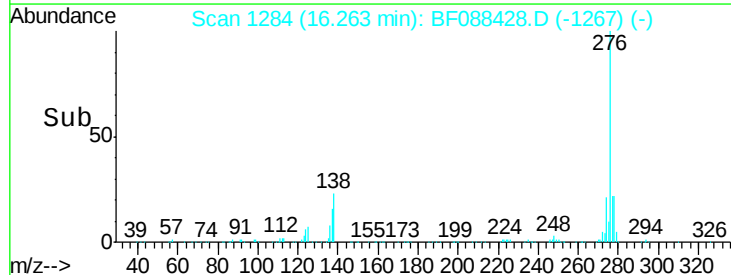
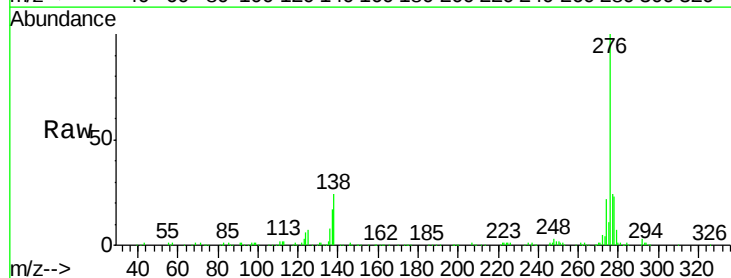
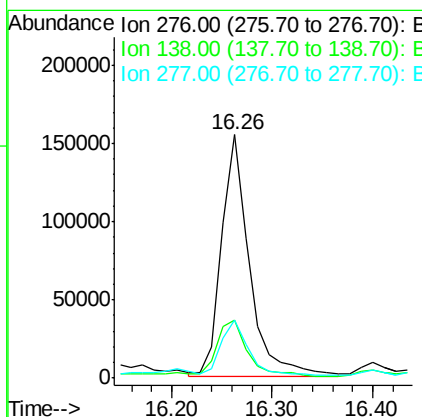
RT: 16.26 min Scan# 1284

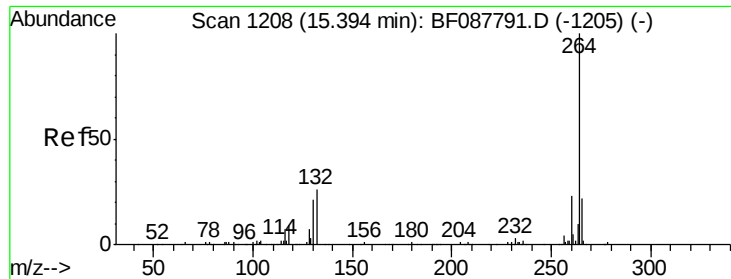
Delta R.T. -0.10 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Tgt Ion:	276	Resp:	298685
Ion Ratio	Lower	Upper	
276	100		
138	28.4	0.0	0.0#
277	22.5	0.0	0.0#





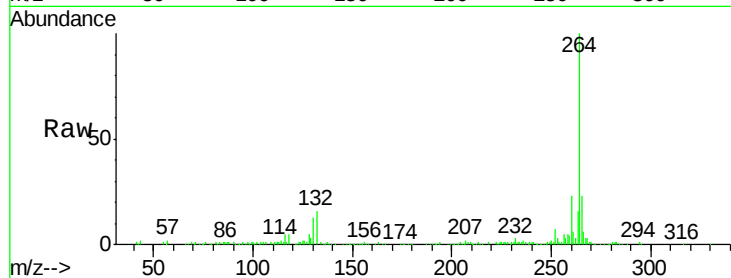
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

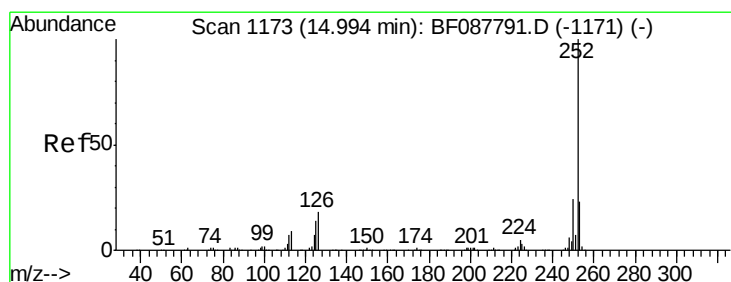
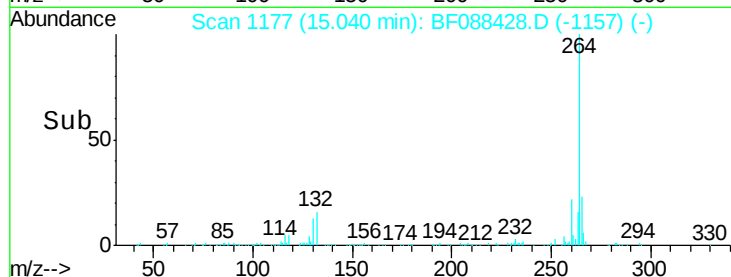
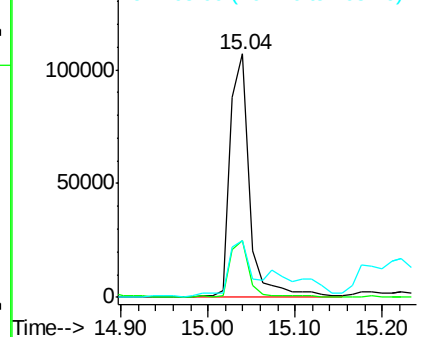
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	23.4	16.9	25.3

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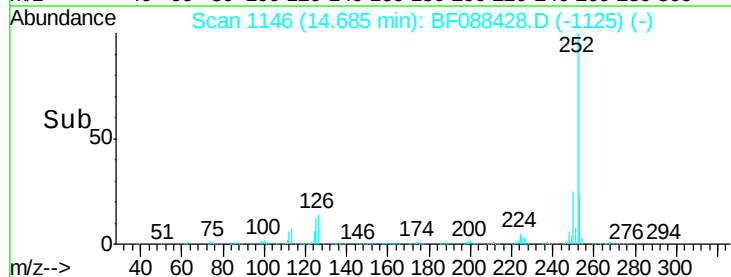
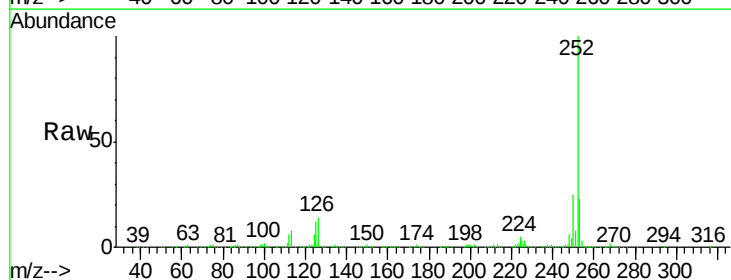
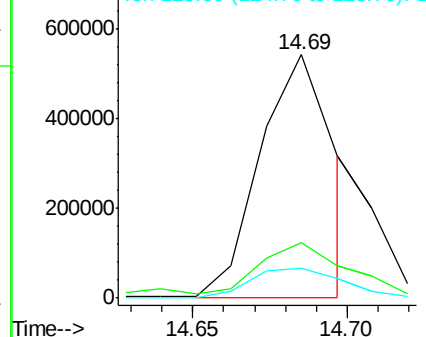
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

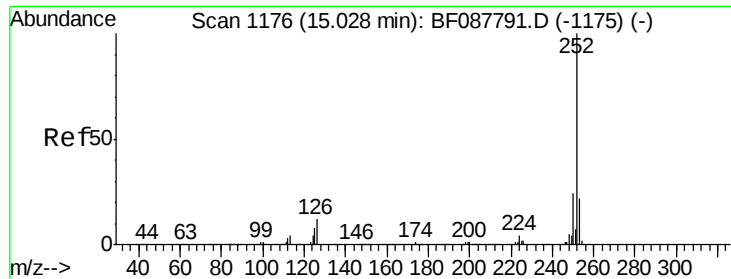


#87
Benzo(b)fluoranthene
Concen: 76.65 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	12.3	7.1	10.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





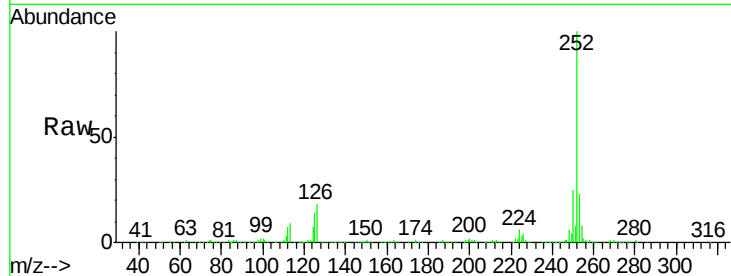
#88
Benzo(k)fluoranthene
Concen: 19.96 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

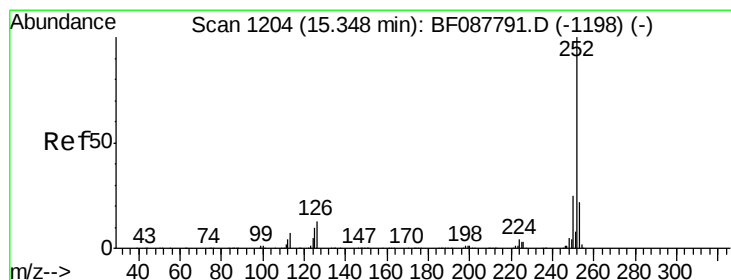
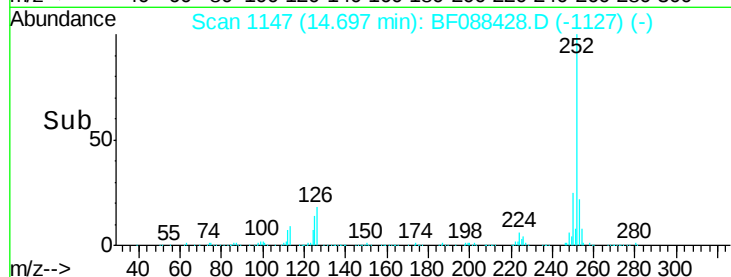
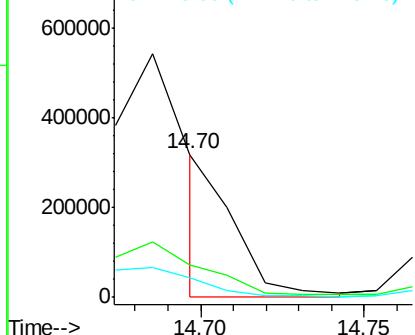
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	13.8	11.2	16.8

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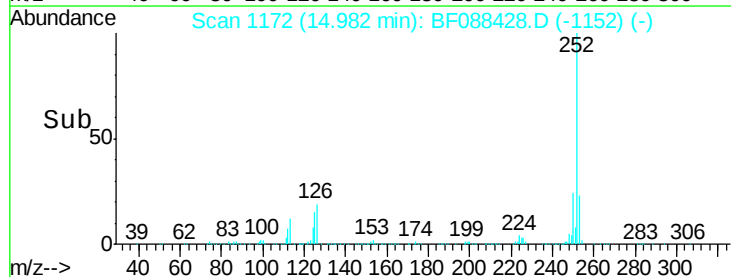
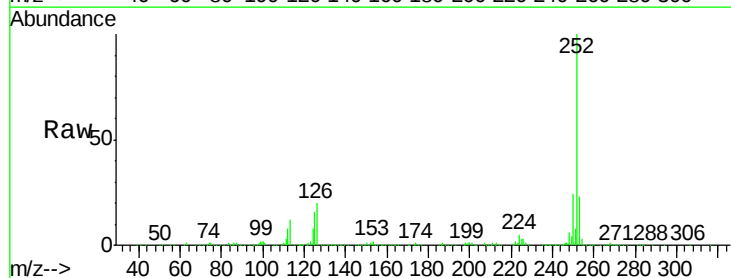
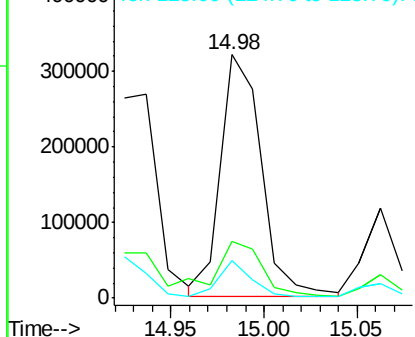
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

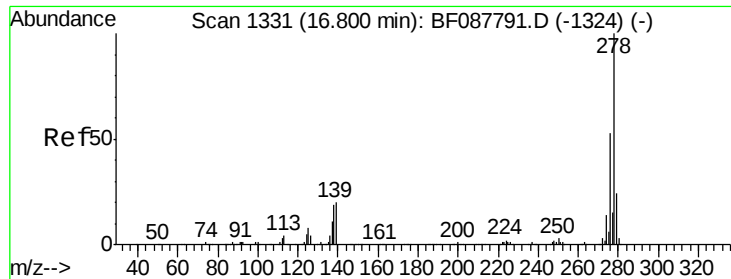


#89
Benzo(a)pyrene
Concen: 51.24 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.6	12.5	18.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





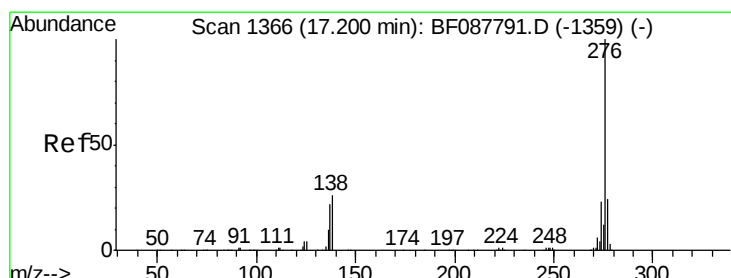
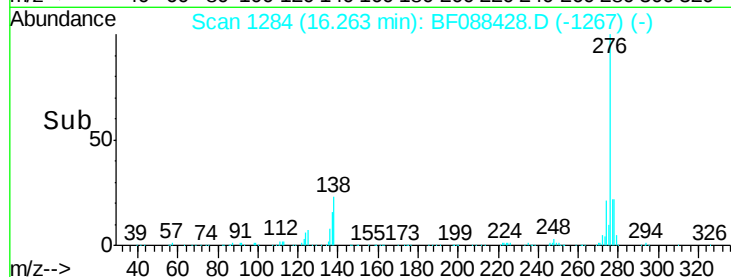
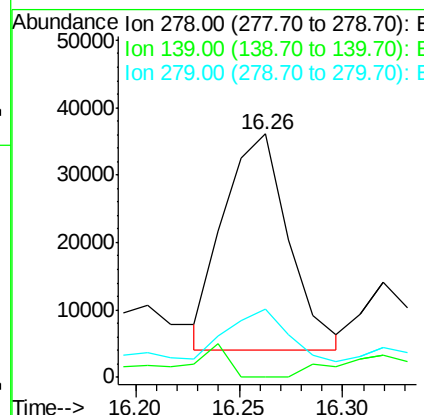
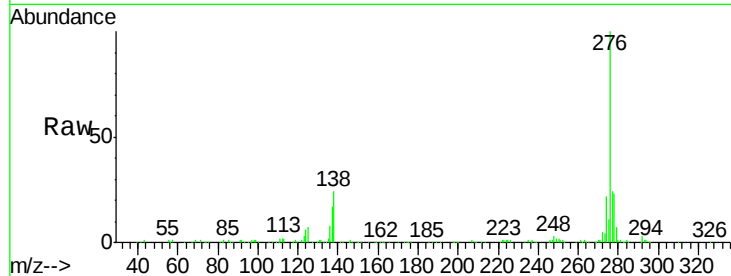
#90
Dibenzo(a,h)anthracene
Concen: 7.85 ng/mL
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	28.1	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 29.28 ng/mL
RT: 16.63 min Scan# 1316
Delta R.T. -0.11 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.9	28.3
138	26.2	21.4	32.2

