

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061516\
 Data File : BF088049.D
 Acq On : 15 Jun 2016 22:34
 Operator : UM/SJ
 Sample : H3471-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Manual Integrations
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Quant Time: Jun 16 03:59:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 16 03:20:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	114463	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	429856	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	190047	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	285279	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	233726	20.00	ng	0.00
86) Perylene-d12	15.29	264	223425	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	742944	110.96	ng	0.01
7) Phenol-d6	6.39	99	832823	102.63	ng	0.00
23) Nitrobenzene-d5	7.31	82	606361	82.37	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	156755	78.12	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	866072	70.65	ng	-0.01
78) Terphenyl-d14	12.85	244	558770	54.40	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.06	128	45393	2.13	ng	97
37) 2-Methylnaphthalene	8.74	142	32322	2.31	ng	97
49) Dimethylphthalate	9.51	163	272869	19.82	ng	99
70) Phenanthrene	11.28	178	62187	4.15	ng	99
71) Anthracene	11.34	178	30842	2.04	ng	99
74) Fluoranthene	12.47	202	214058	13.55	ng	99
77) Pyrene	12.70	202	188773	10.88	ng	98
80) Benzo(a)anthracene	13.89	228	117729m	8.84	ng	
82) Chrysene	13.92	228	129545	10.34	ng	96
85) Indeno(1,2,3-cd)pyrene	16.63	276	56717	4.87	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	190355m	12.22	ng	
88) Benzo(k)fluoranthene	14.93	252	64226m	5.47	ng	
89) Benzo(a)pyrene	15.23	252	89175	7.08	ng	97
91) Benzo(a,h,i)perylene	17.03	276	47963	3.98	ng	98

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

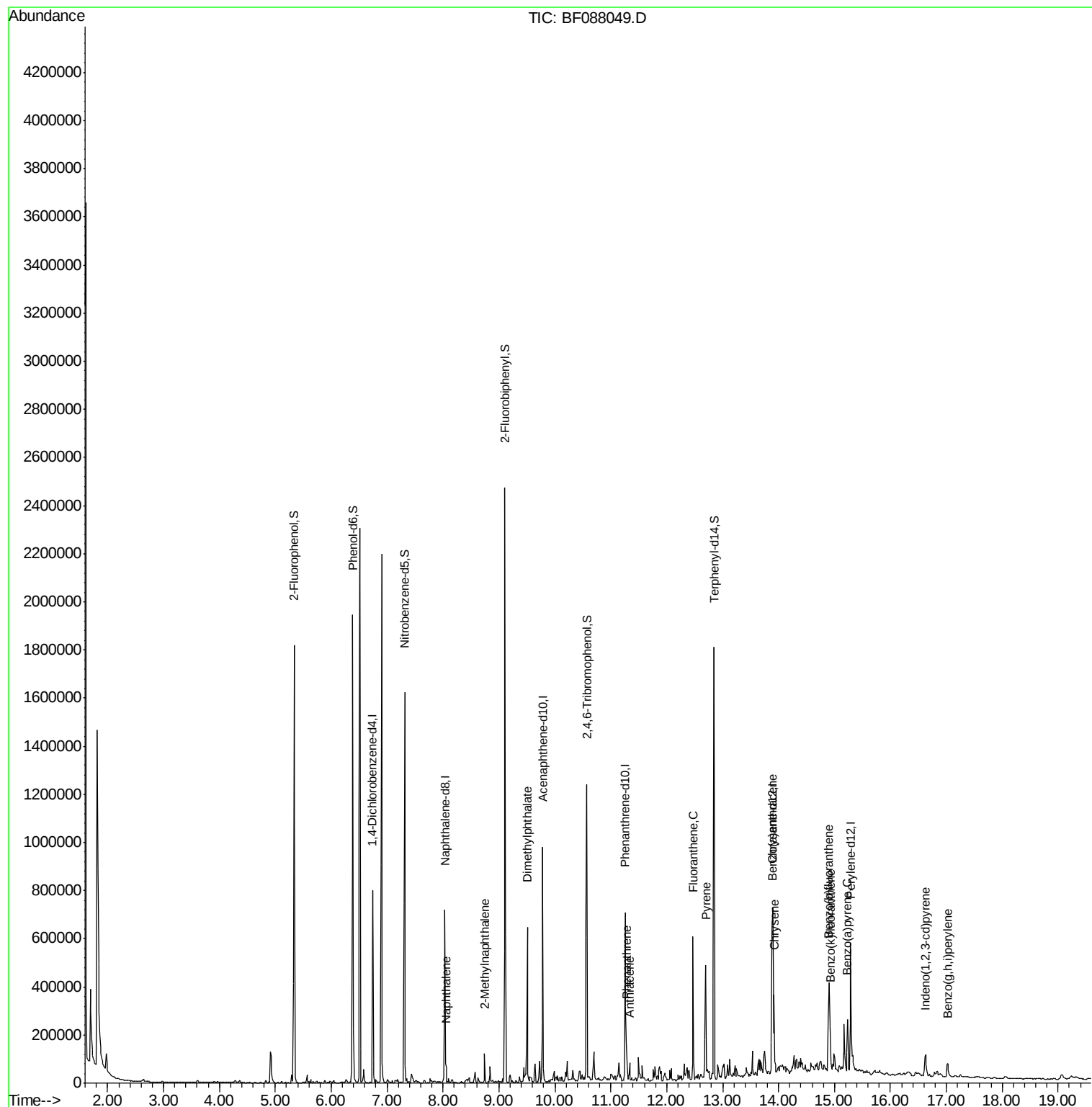
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061516\
Data File : BF088049.D
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Response via : Initial Calibration





#1

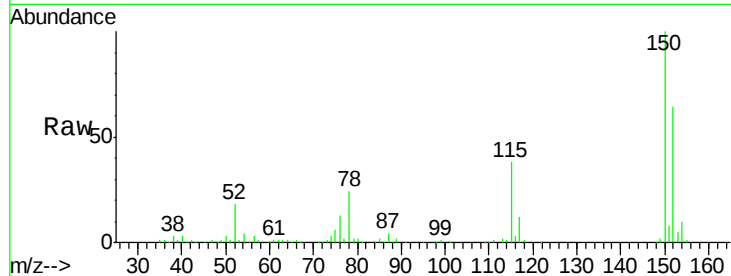
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

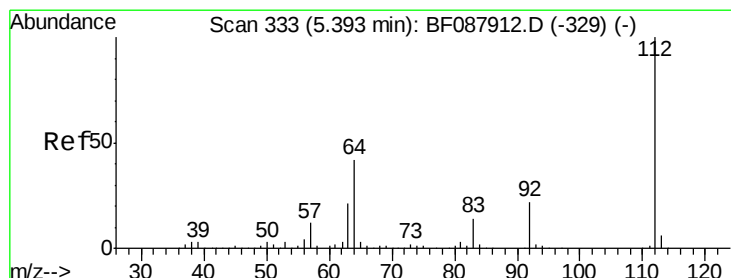
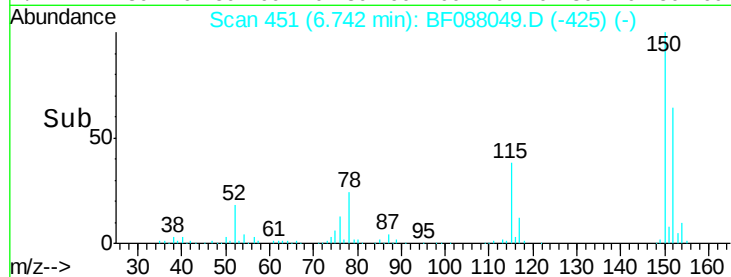
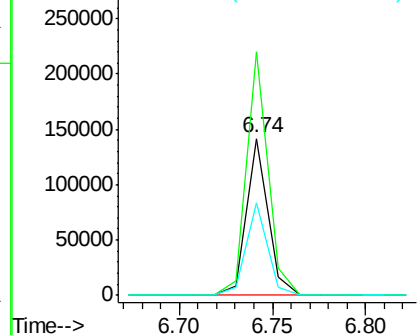
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.8	185.6
115	59.3	39.6	59.4

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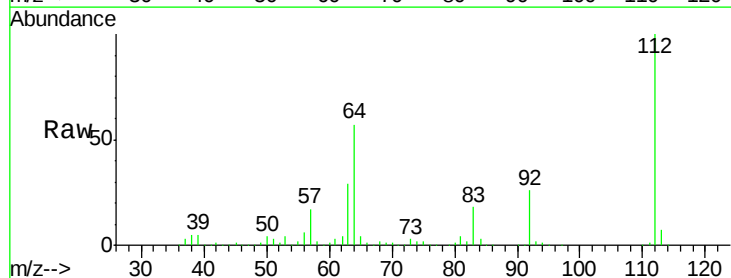
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



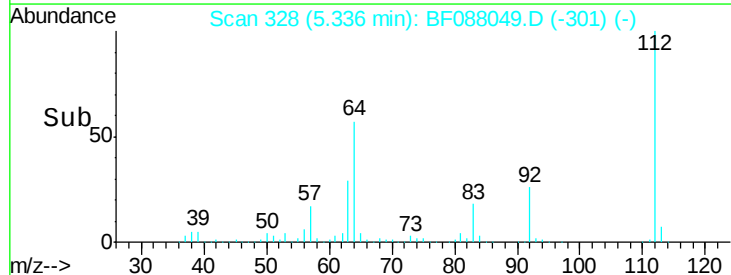
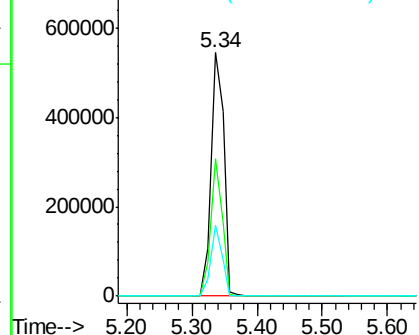
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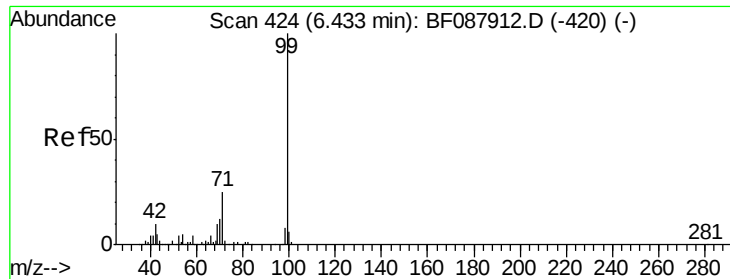
2-Fluorophenol
Concen: 110.96 ng
RT: 5.34 min Scan# 328
Delta R.T. 0.01 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	42.2	63.2
63	28.9	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: 102.63 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088049.D

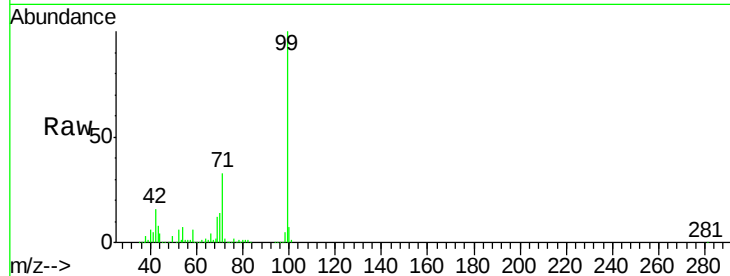
Acq: 15 Jun 2016 22:34

Instrument :

BNA_F

ClientSampleId :

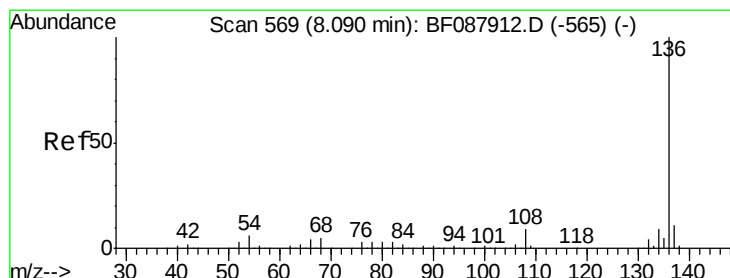
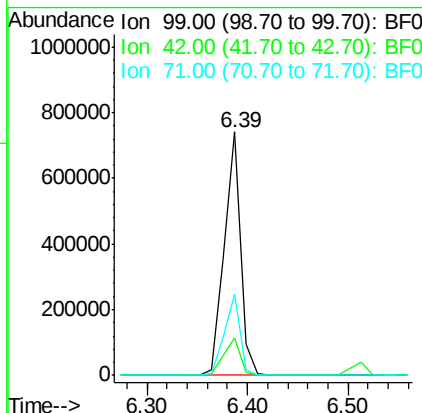
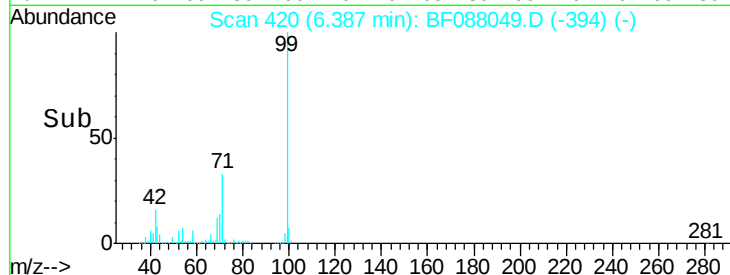
STA-1141-(0-4)



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		832823		
42	15.7	12.2	18.2		
71	33.2	23.4	35.0		

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#21

Naphthalene-d8

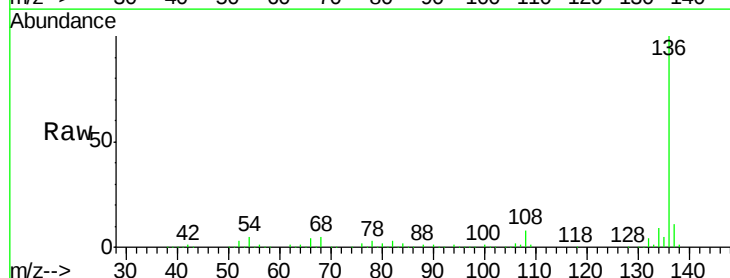
Concen: 20.00 ng

RT: 8.03 min Scan# 564

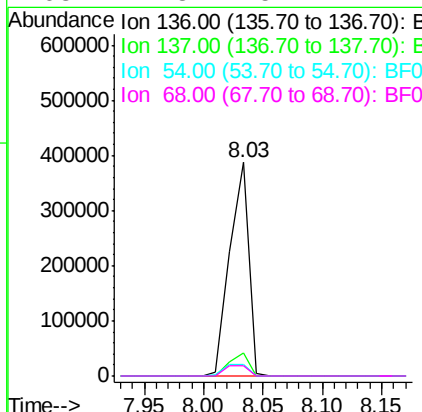
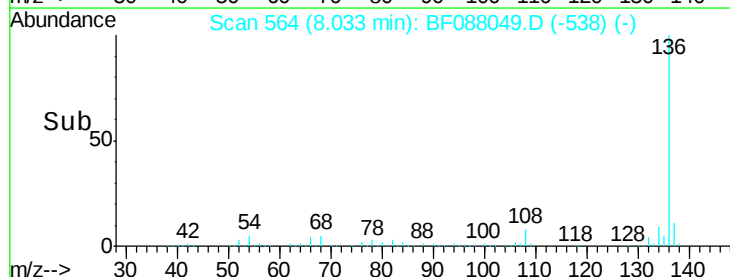
Delta R.T. -0.00 min

Lab File: BF088049.D

Acq: 15 Jun 2016 22:34



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		429856		
137	10.7	9.1	13.7		
54	5.3	6.6	10.0#		
68	4.8	5.1	7.7#		





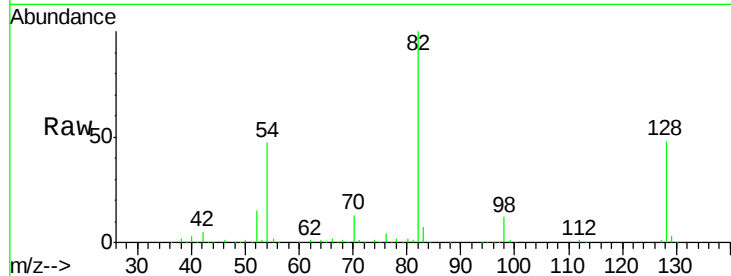
#23
Nitrobenzene-d5
Concen: 82.37 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

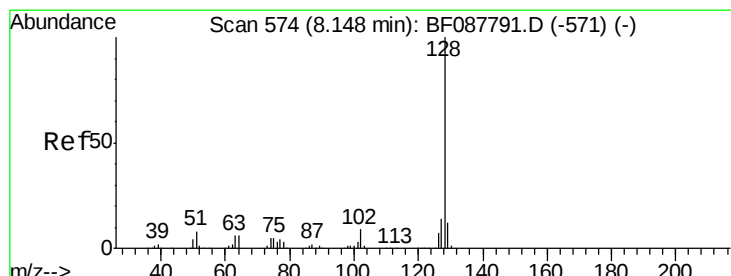
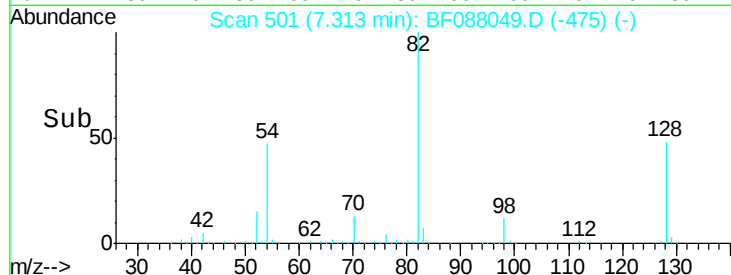
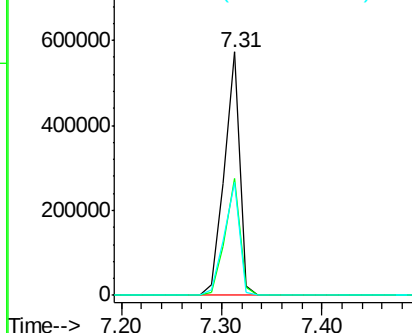
Tot Ion	Ratio	Resp	Lower	Upper
82	100	606361		
128	47.8	35.9	53.9	
54	46.5	40.9	61.3	

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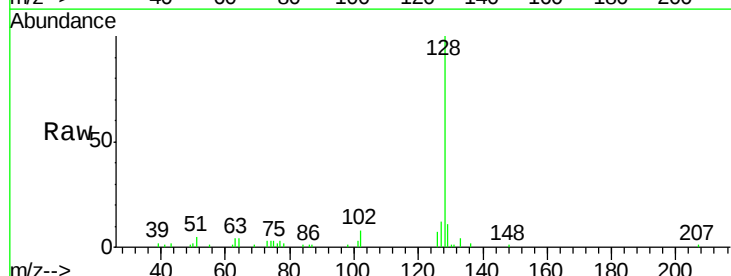


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

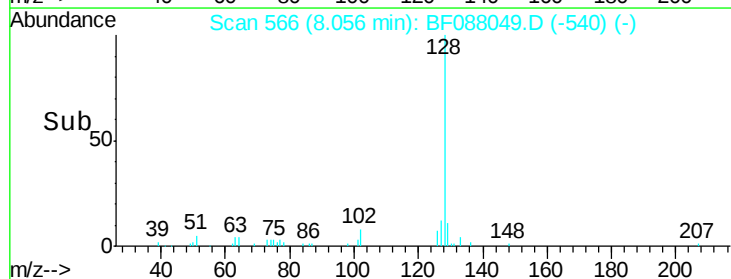
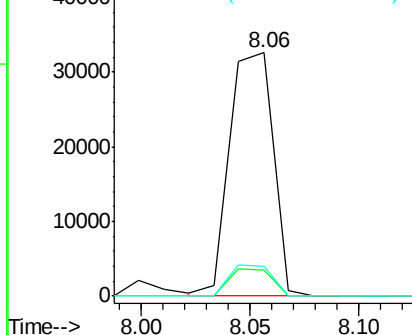


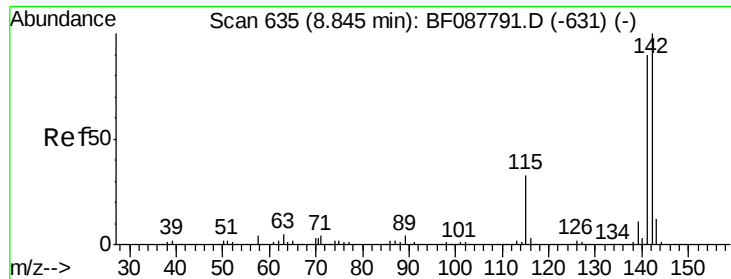
#31
Naphthalene
Concen: 2.13 ng
RT: 8.06 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	45393		
129	10.6	9.4	14.2	
127	12.0	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





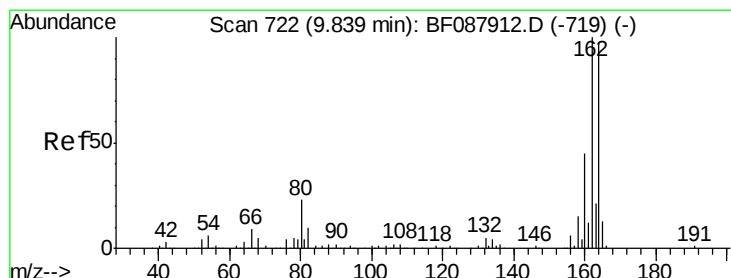
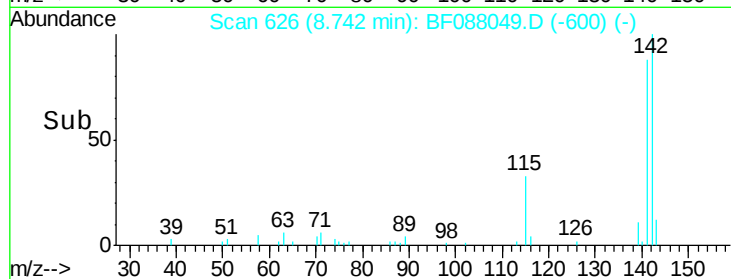
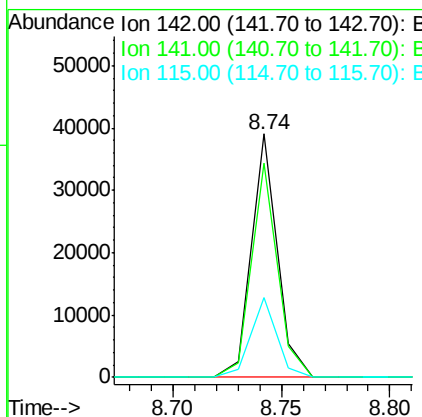
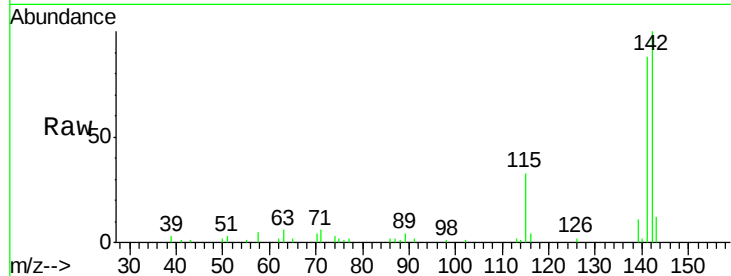
#37
2-Methylnaphthalene
Concen: 2.31 ng
RT: 8.74 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.0	106.6
115	32.7	22.6	33.8

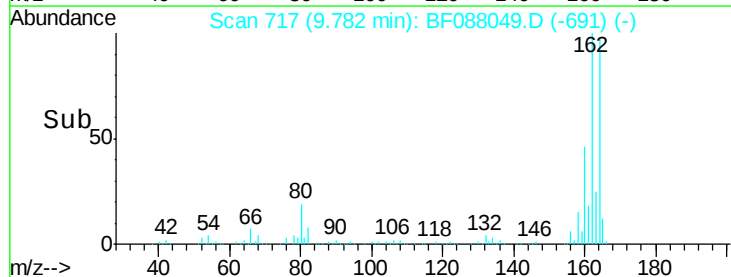
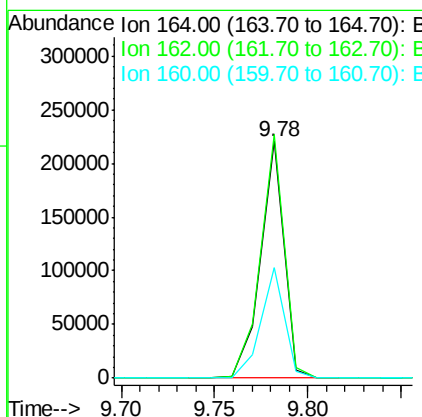
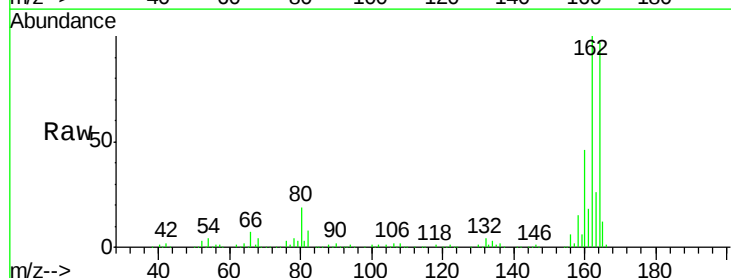
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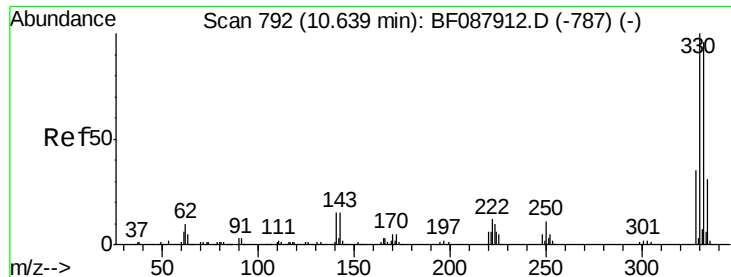
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	85.4	128.2
160	46.9	39.5	59.3





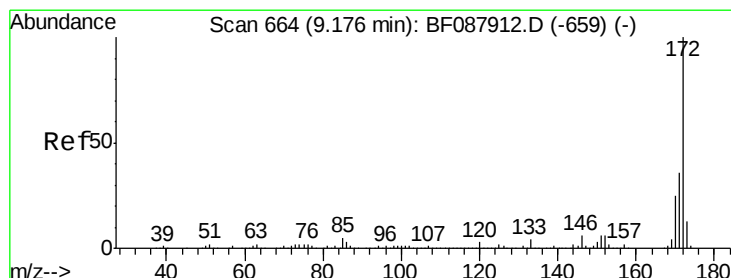
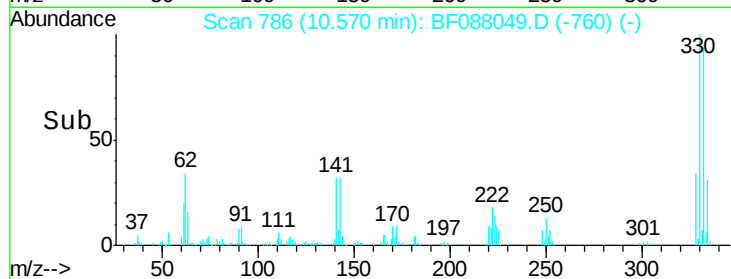
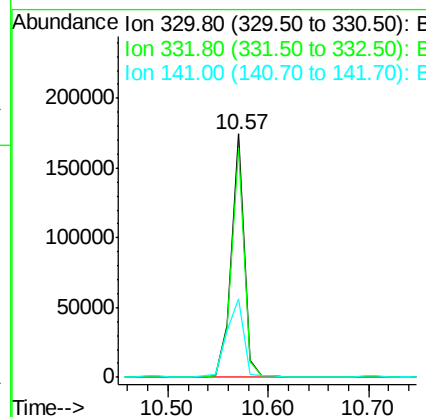
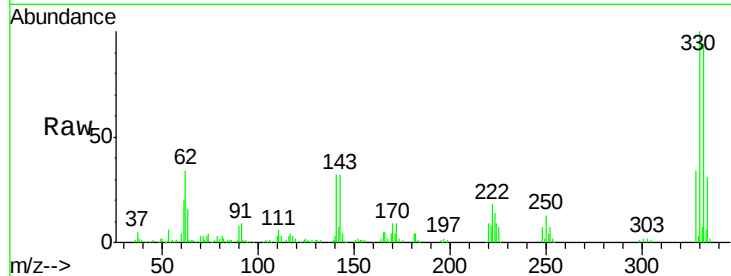
#41
 2,4,6-Tribromophenol
 Concen: 78.12 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF088049.D
 Acq: 15 Jun 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.8	0.0	0.0#
141	43.3	0.0	0.0#

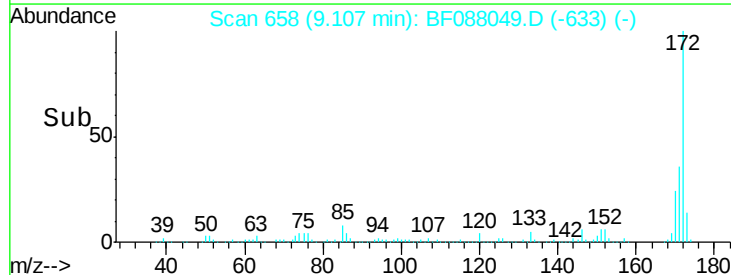
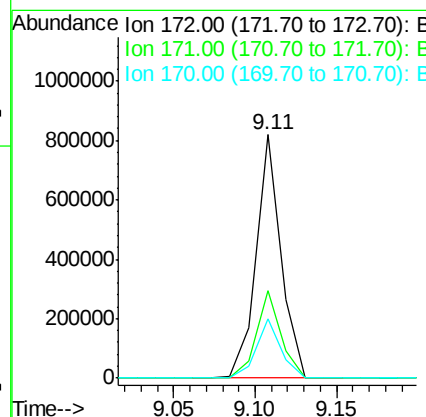
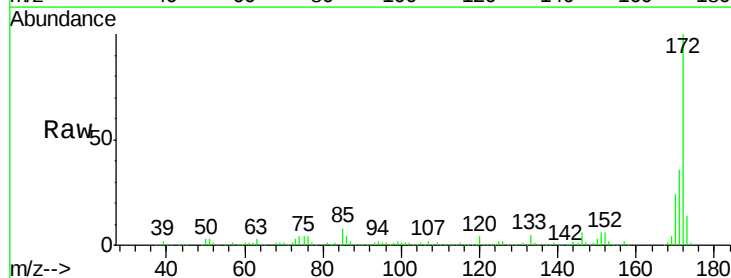
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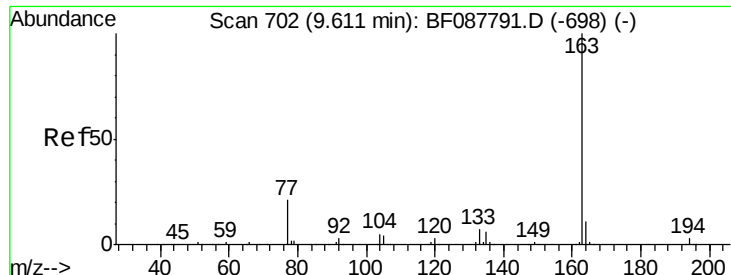
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#44
 2-Fluorobiphenyl
 Concen: 70.65 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088049.D
 Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.2	19.2	28.8





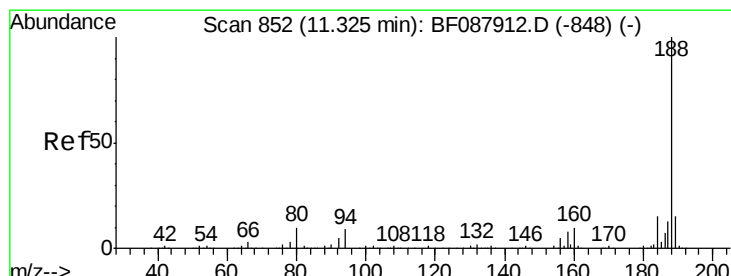
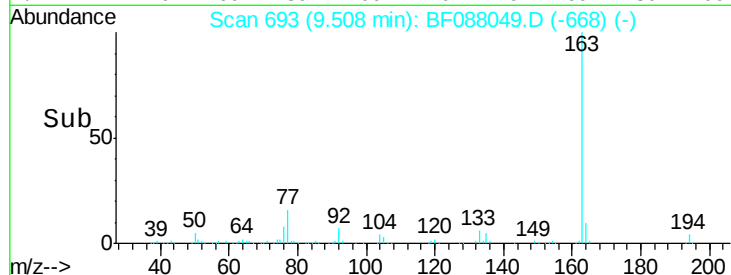
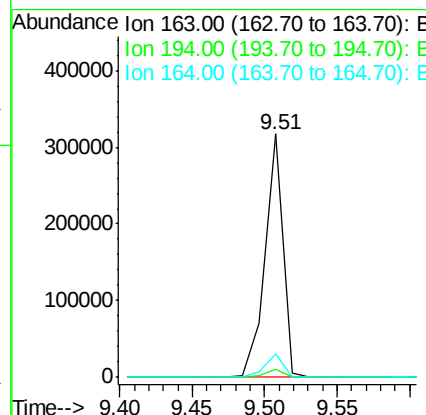
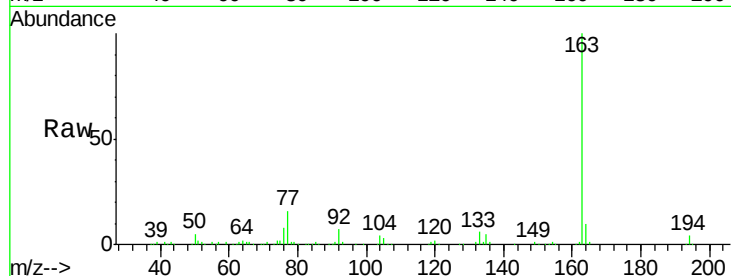
#49
Dimethylphthalate
Concen: 19.82 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	272869		
194	3.5		2.8	4.2
164	9.8		8.3	12.5

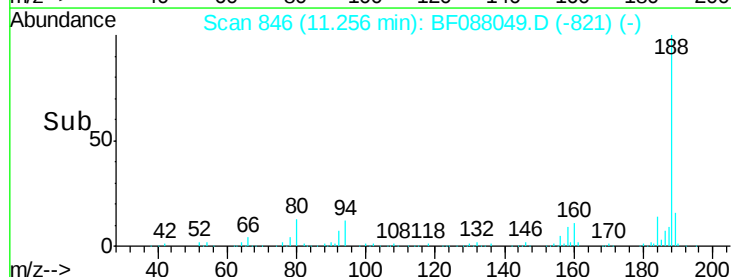
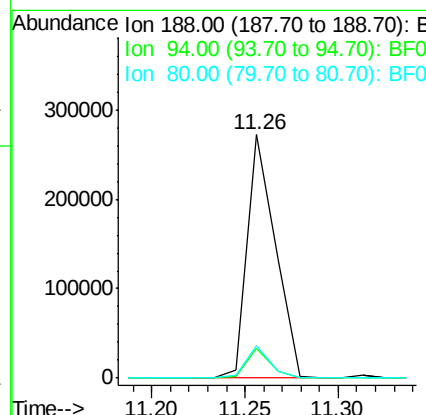
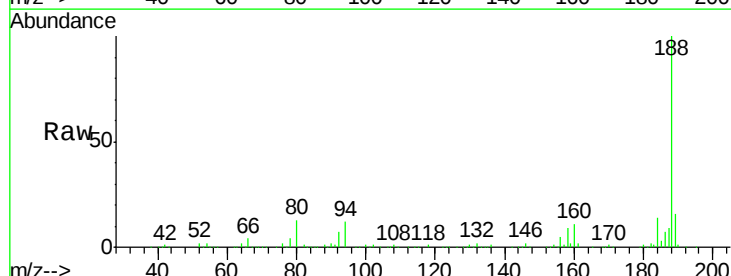
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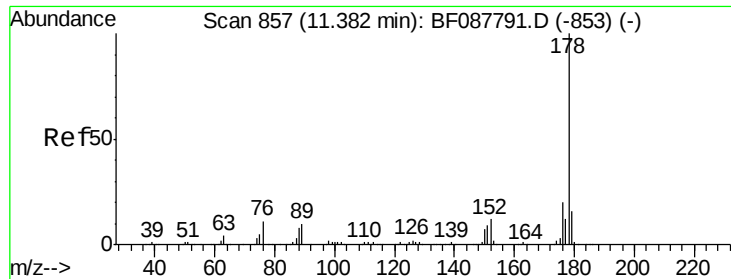
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	285279		
94	12.5		9.0	13.6
80	13.5		10.0	15.0





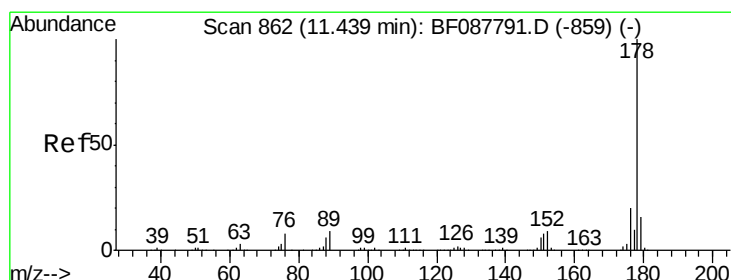
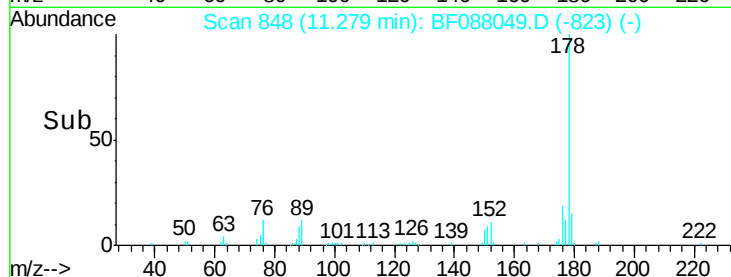
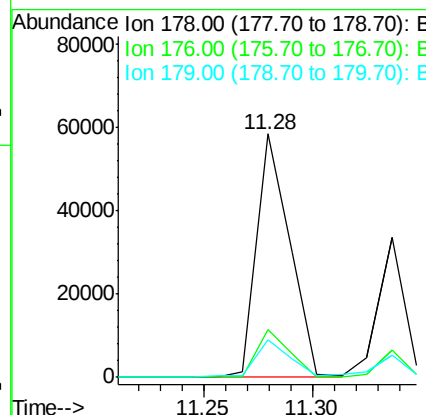
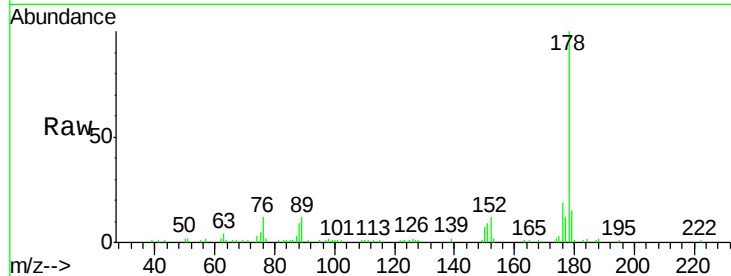
#70
Phenanthrene
Concen: 4.15 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.4	13.0	19.4

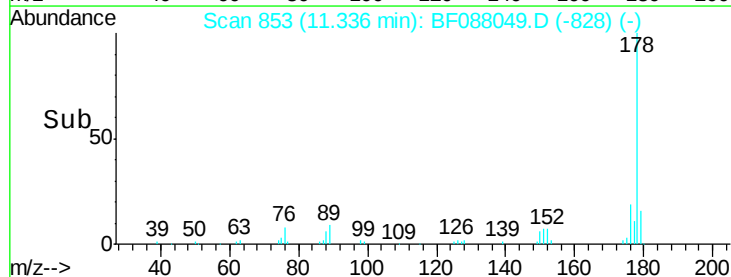
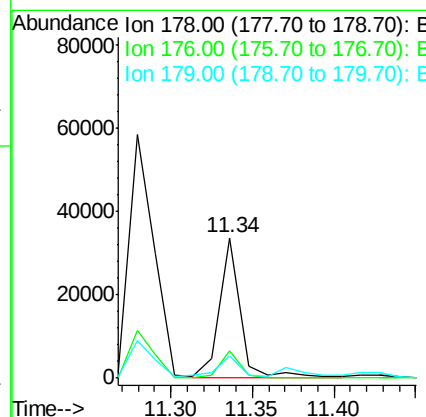
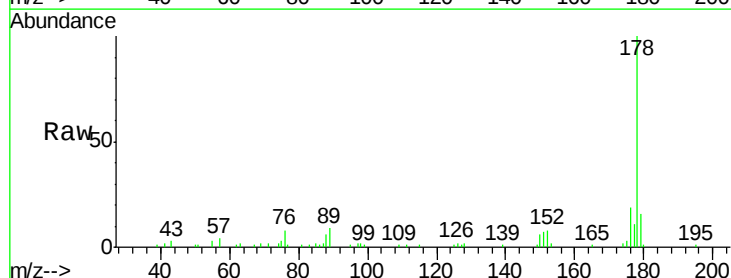
Manual Integrations
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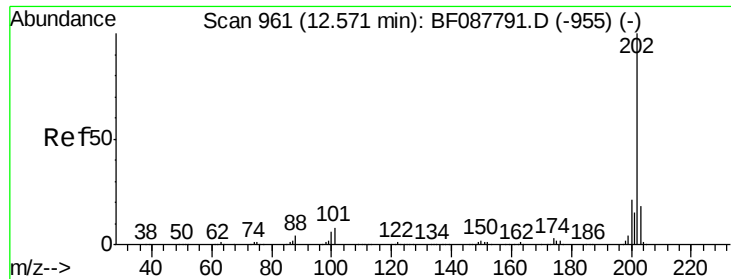
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#71
Anthracene
Concen: 2.04 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.9	12.8	19.2





#74

Fluoranthene

Concen: 13.55 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF088049.D

Acq: 15 Jun 2016 22:34

Instrument :

BNA_F

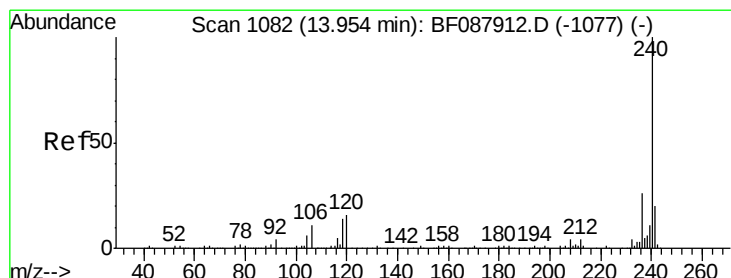
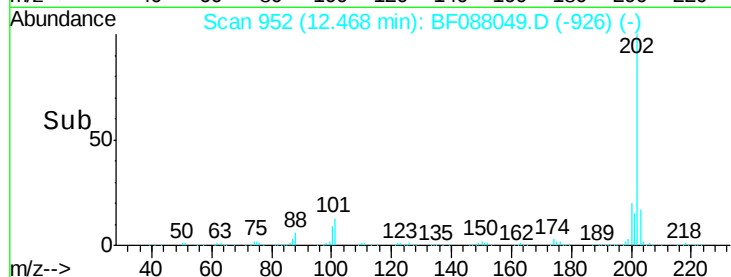
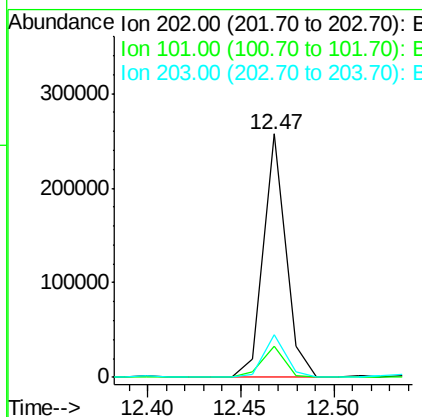
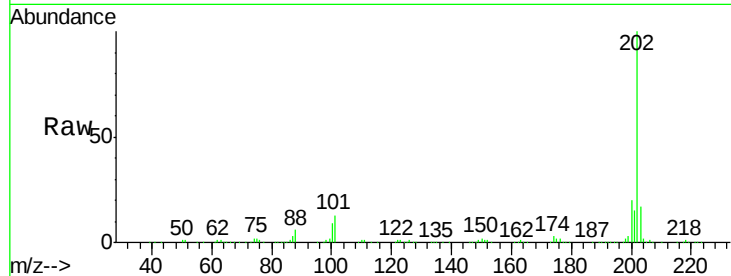
ClientSampleId :

STA-1141-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

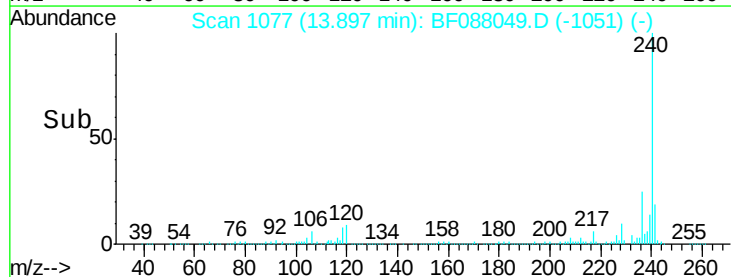
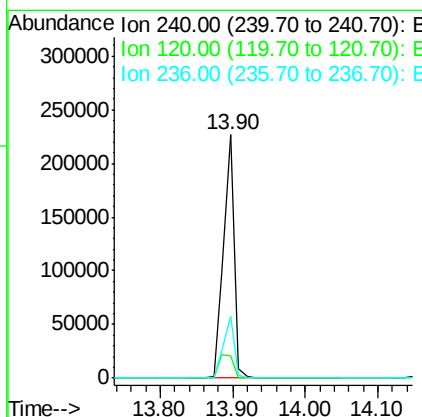
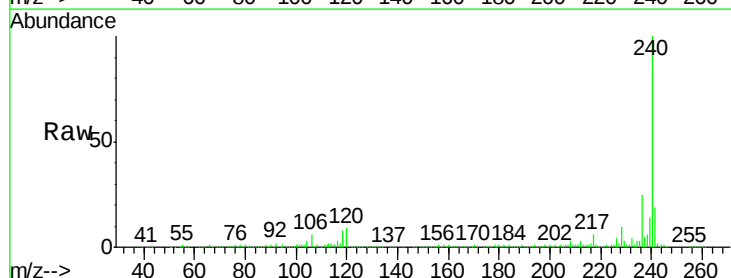
RT: 13.90 min Scan# 1077

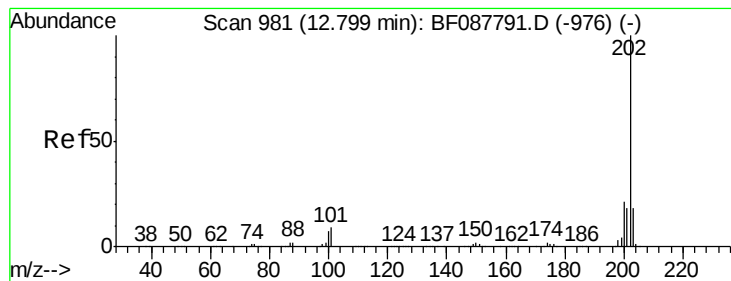
Delta R.T. -0.00 min

Lab File: BF088049.D

Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	6.8	10.2
236	25.3	20.2	30.2





#77

Pvrene

Concen: 10.88 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF088049.D

Acq: 15 Jun 2016 22:34

Instrument :

BNA_F

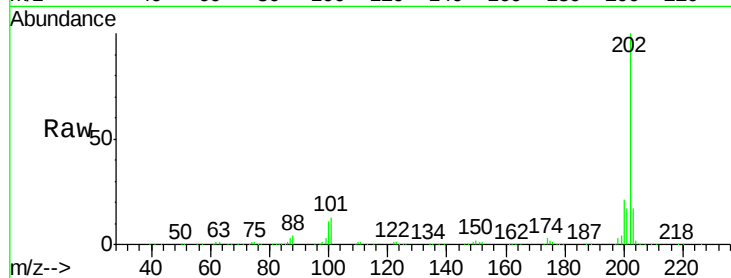
ClientSampleId :

STA-1141-(0-4)

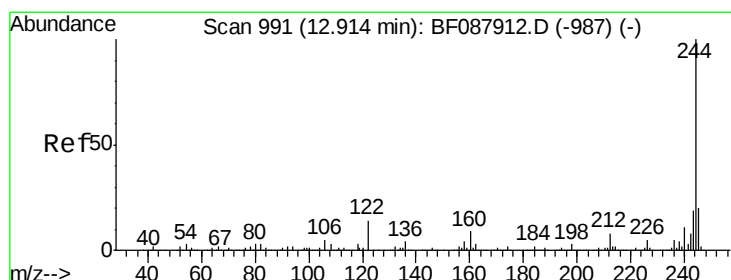
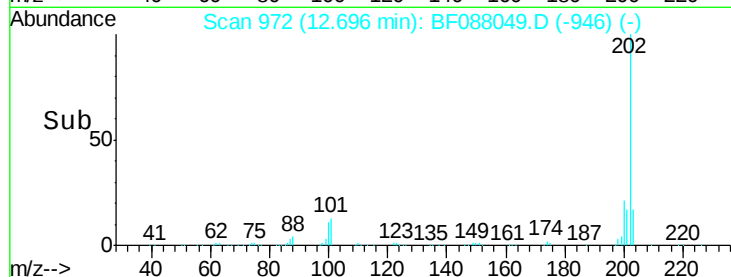
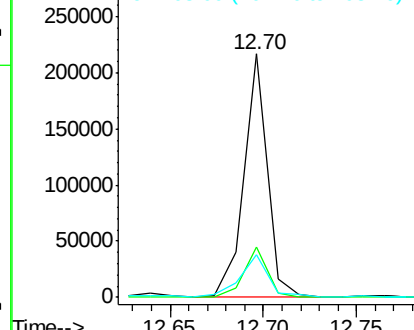
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.4	14.5	21.7

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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: 54.40 ng

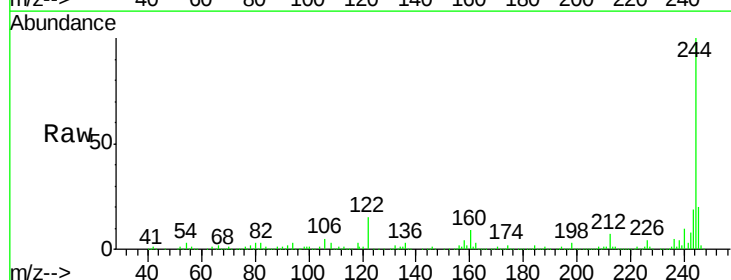
RT: 12.85 min Scan# 985

Delta R.T. -0.00 min

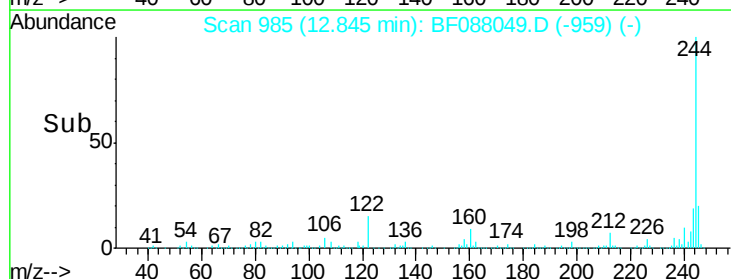
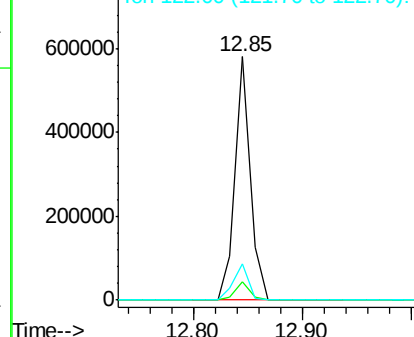
Lab File: BF088049.D

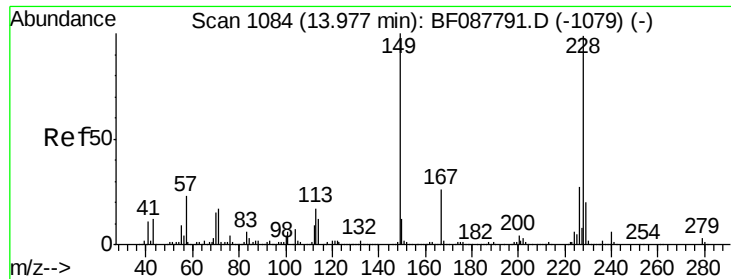
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.7	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





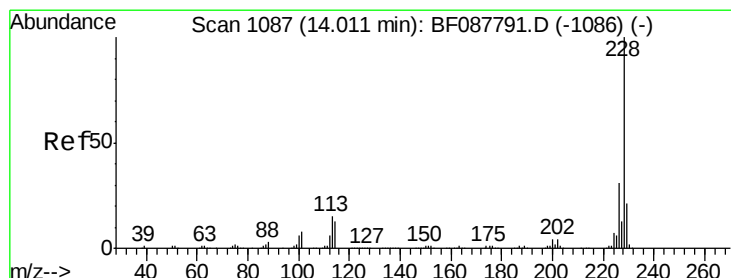
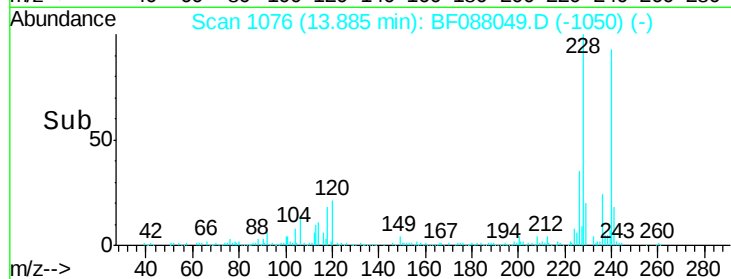
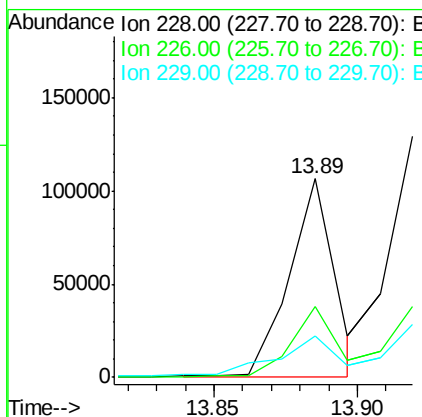
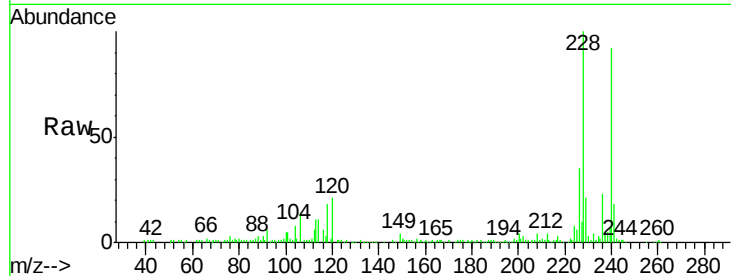
#80
Benzo(a)anthracene
Concen: 8.84 ng m
RT: 13.89 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	22.3	33.5#
229	20.9	16.0	24.0

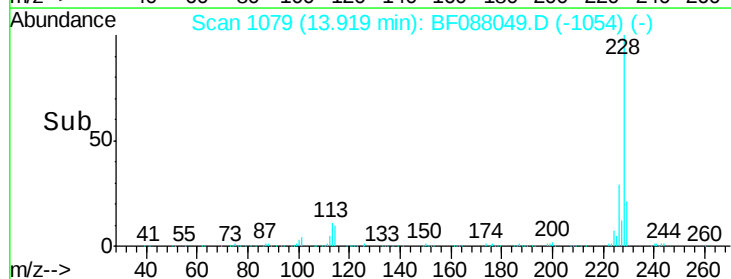
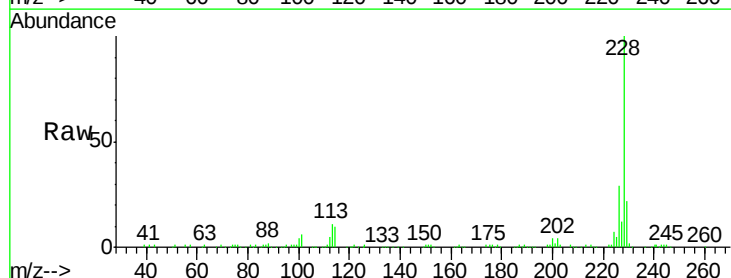
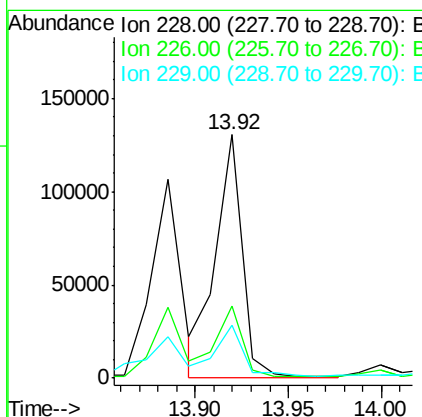
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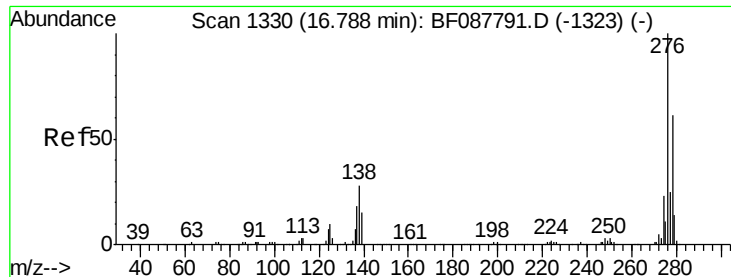
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#82
Chrysene
Concen: 10.34 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.4	38.2
229	21.8	16.3	24.5





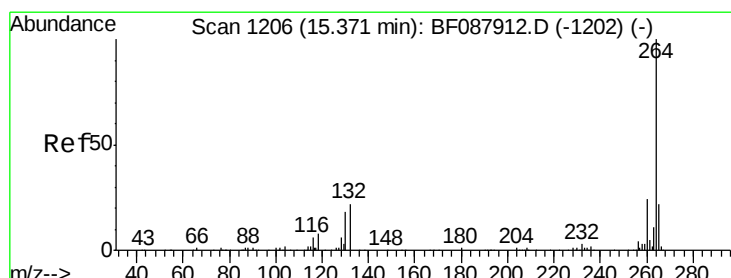
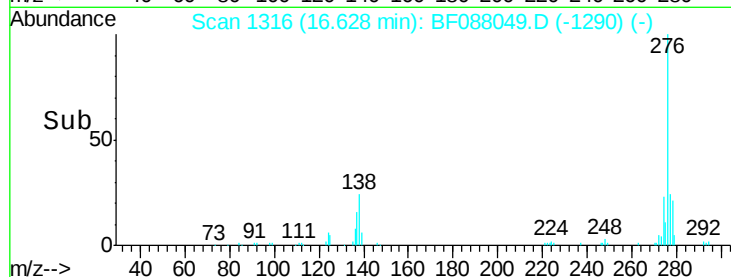
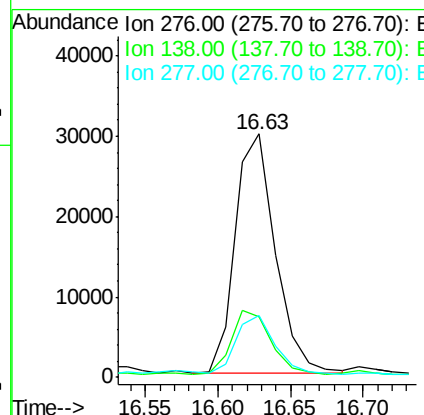
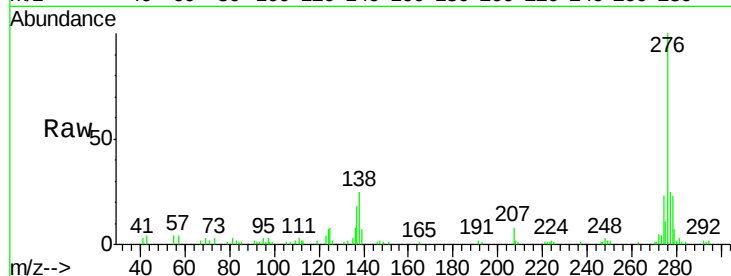
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.87 ng
 RT: 16.63 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: BF088049.D
 Acq: 15 Jun 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	0.0	0.0#
277	26.5	0.0	0.0#

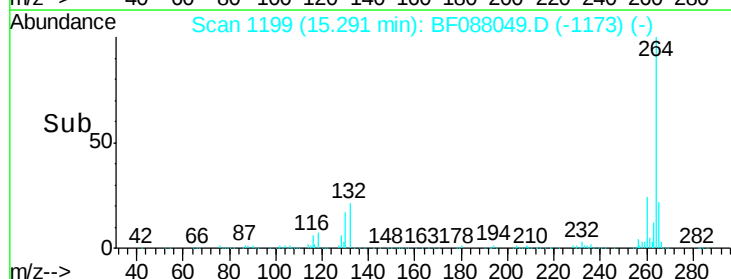
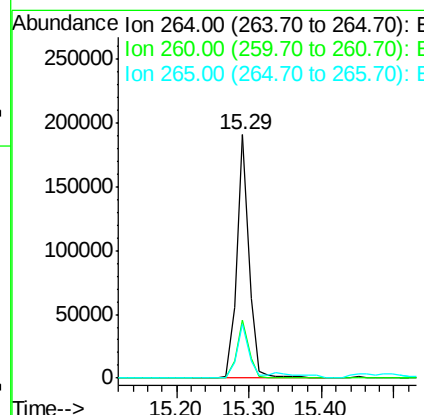
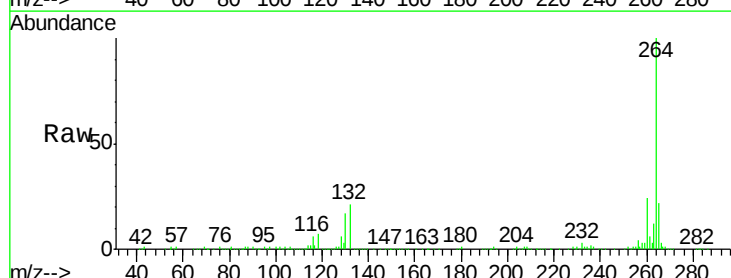
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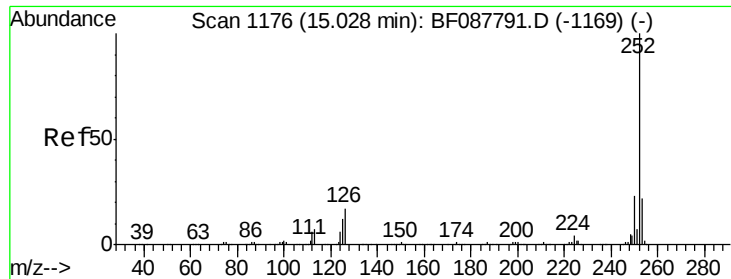
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF088049.D
 Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 12.22 ng m

RT: 14.90 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF088049.D

Acq: 15 Jun 2016 22:34

Instrument :

BNA_F

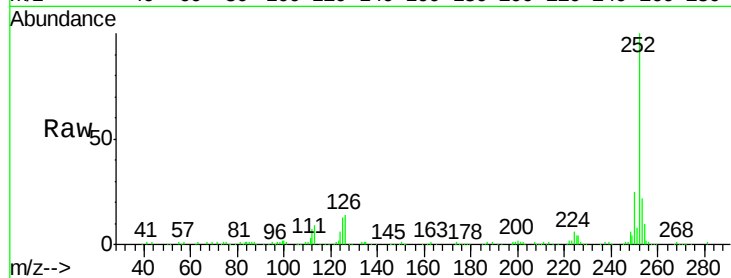
ClientSampleId :

STA-1141-(0-4)

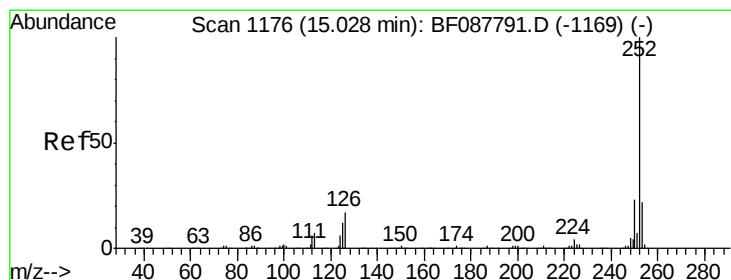
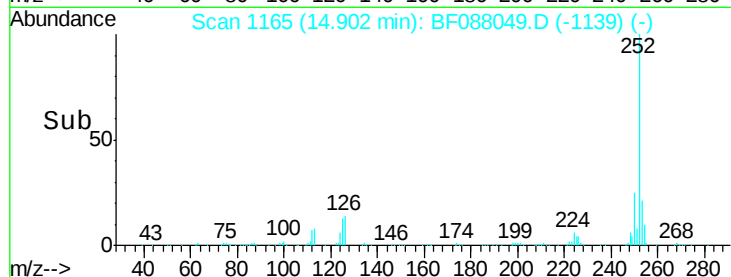
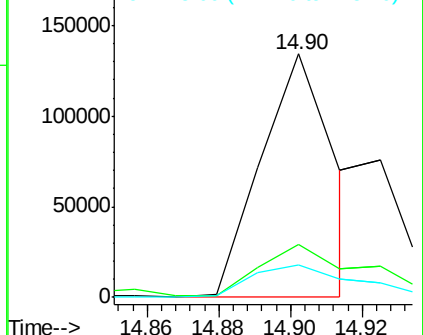
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	13.3	7.1	10.7

Manual Integrations
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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



#88

Benzo(k)fluoranthene

Concen: 5.47 ng m

RT: 14.93 min Scan# 1167

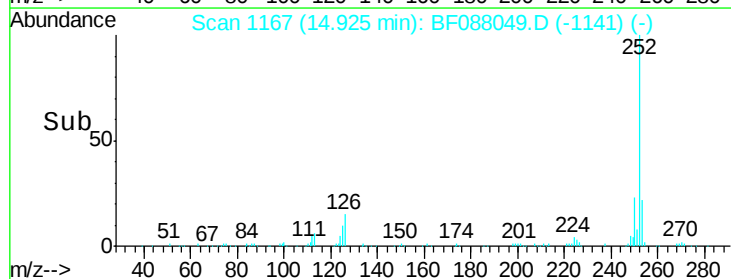
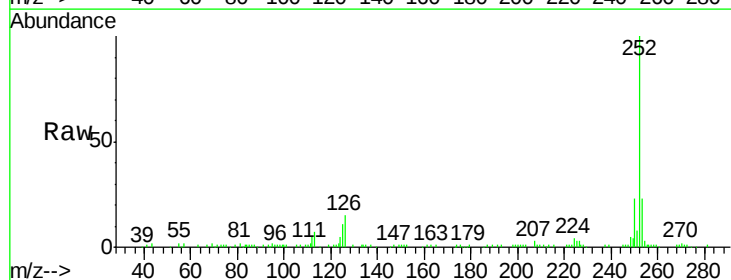
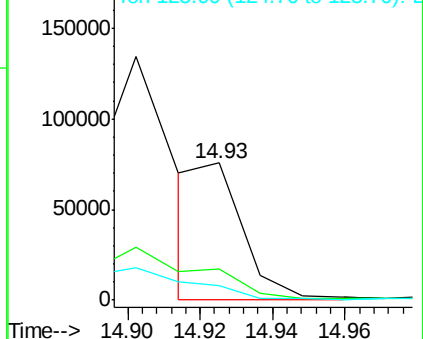
Delta R.T. -0.00 min

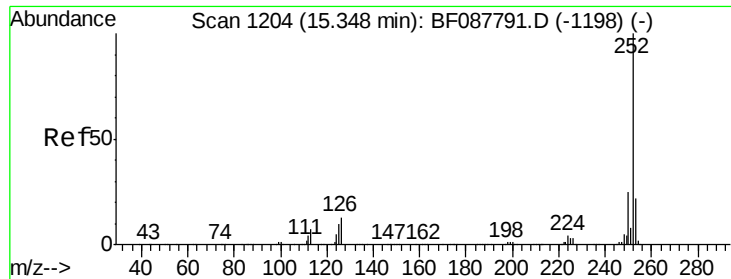
Lab File: BF088049.D

Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.0	11.2	16.8

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





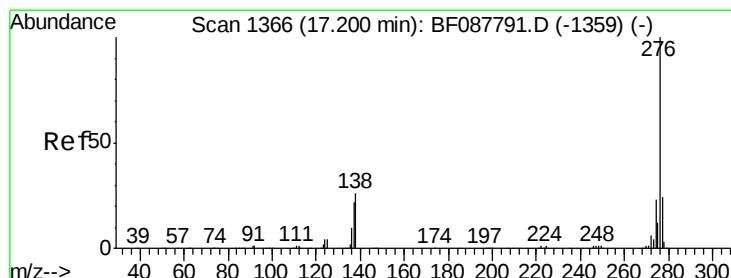
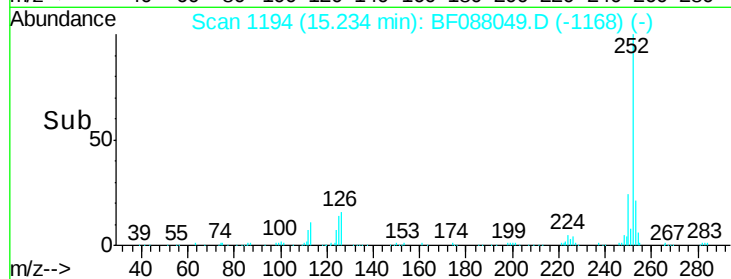
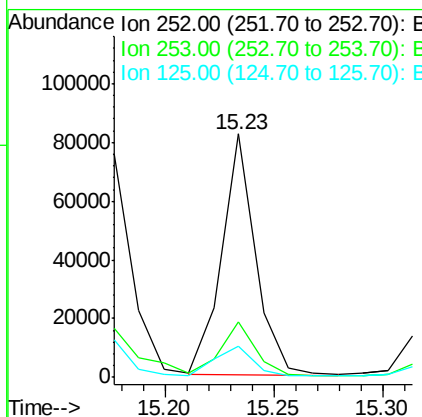
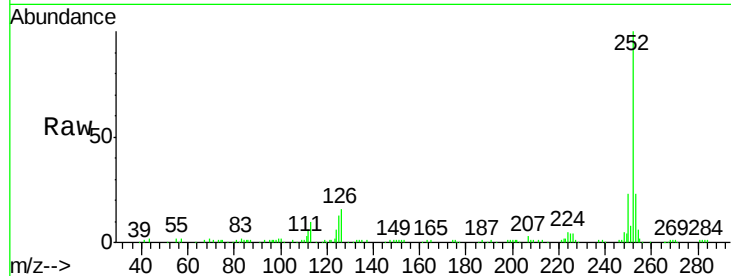
#89
Benzo(a)pyrene
Concen: 7.08 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.8	12.5	18.7

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#91
Benzo(g,h,i)perylene
Concen: 3.98 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF088049.D
Acq: 15 Jun 2016 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	25.6	21.4	32.2

