

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087886.D
 Acq On : 10 Jun 2016 20:48
 Operator : UM/SJ
 Sample : H3395-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)

Manual Integrations
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 6/13/2016 7:11:26 PM

Quant Time: Jun 11 02:26:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120480m	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	465545	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	181564	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	288778	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	222526	20.00	ng	-0.02
86) Perylene-d12	15.37	264	205459	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	509987	72.36	ng	-0.02
7) Phenol-d6	6.44	99	635683	74.43	ng	-0.03
23) Nitrobenzene-d5	7.37	82	350334	43.94	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	91745	47.86	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	554759	45.42	ng	-0.03
78) Terphenyl-d14	12.91	244	359111	36.72	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	331386	17.73	ng	98
49) Dimethylphthalate	9.56	163	82524	6.27	ng	99
70) Phenanthrene	11.35	178	294191	19.41	ng	99
71) Anthracene	11.41	178	301890	19.75	ng	97
72) Carbazole	11.55	167	89441	6.25	ng	98
74) Fluoranthene	12.54	202	1200853	75.09	ng	97
77) Pyrene	12.77	202	1202695	72.83	ng	99
80) Benzo(a)anthracene	13.95	228	848692	66.93	ng	# 90
82) Chrysene	13.99	228	766394m	64.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	333135	30.06	ng	# 100
87) Benzo(b)fluoranthene	14.98	252	1174866m	82.04	ng	
88) Benzo(k)fluoranthene	15.01	252	324893m	30.08	ng	
89) Benzo(a)pyrene	15.31	252	578703	49.95	ng	98
90) Dibenzo(a,h)anthracene	16.74	278	90911	8.45	ng	97
91) Benzo(a,h,i)perylene	17.14	276	272995	24.66	ng	98

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

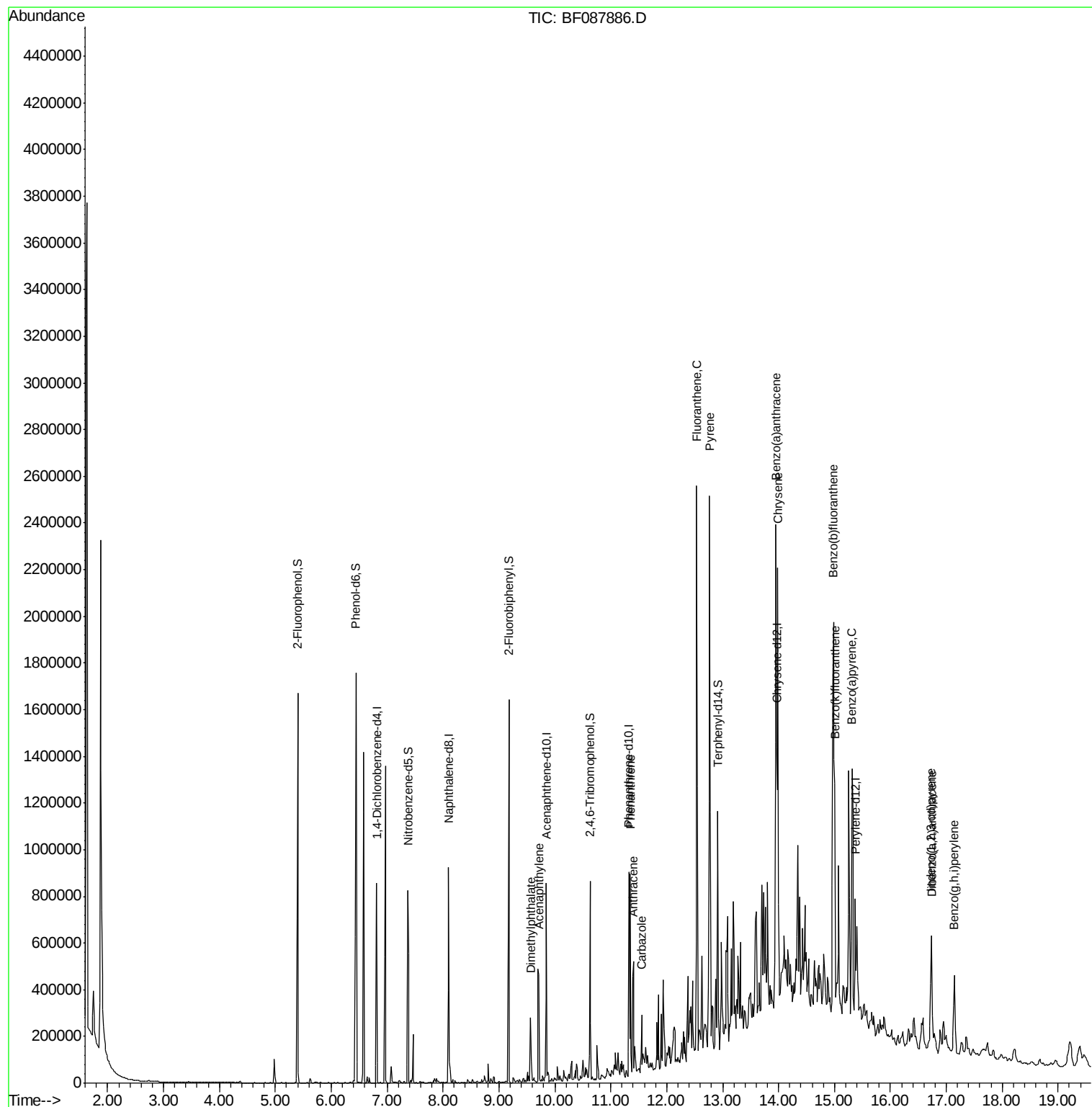
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
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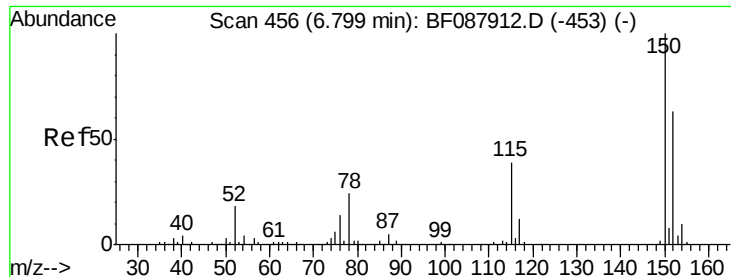
Instrument :
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STA-942-PLATFORM(0-4)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
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#1

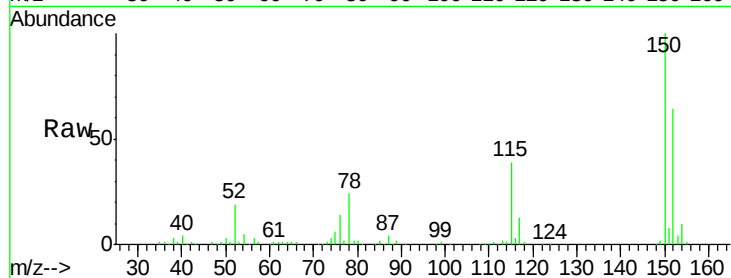
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.8	185.6
115	61.4	39.6	59.4

Manual Integrations
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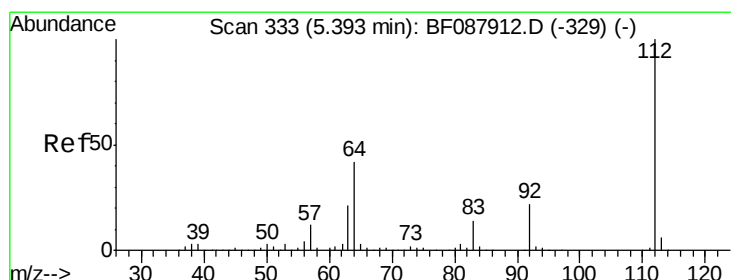
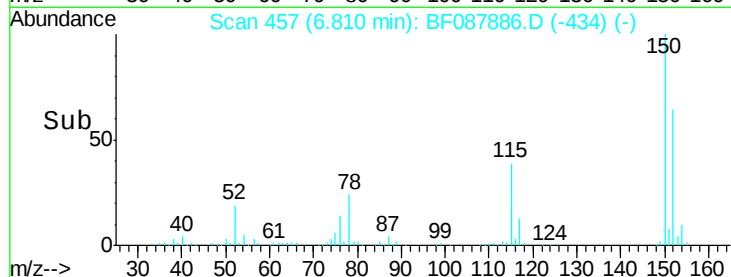
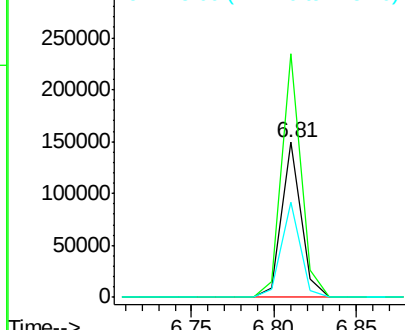


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

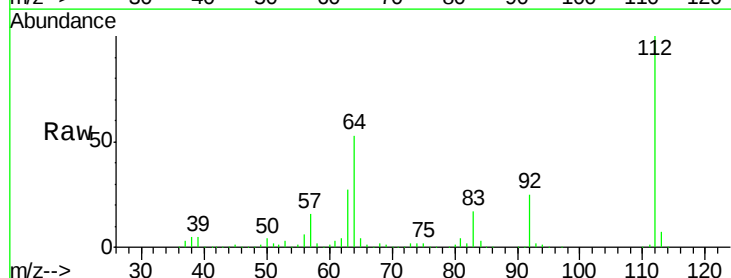
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.36 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.2	63.2
63	27.4	21.8	32.8

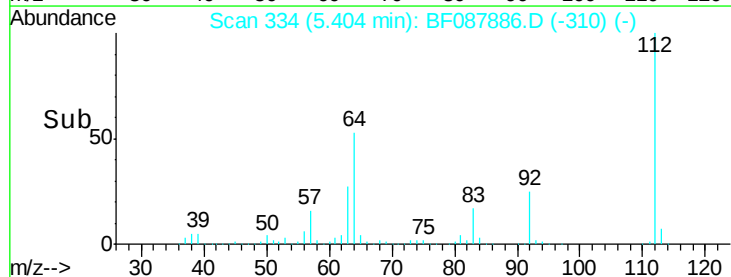
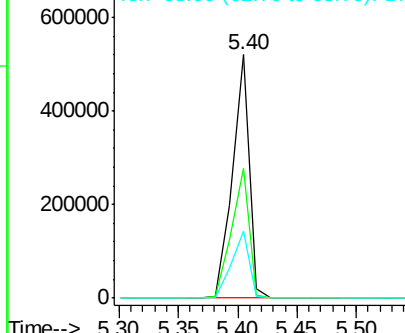


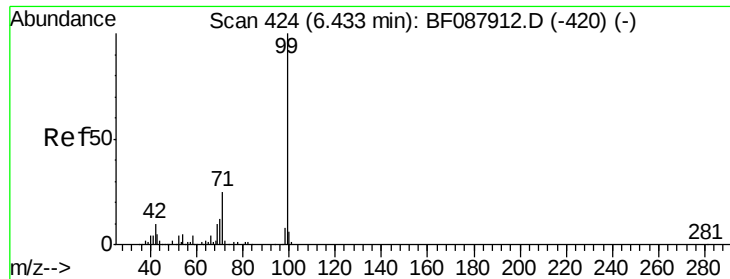
Abundance

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: 74.43 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Instrument :

BNA_F

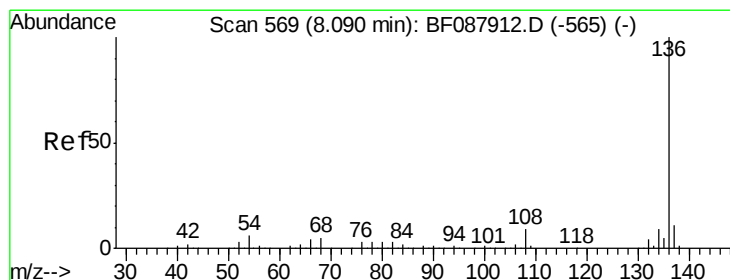
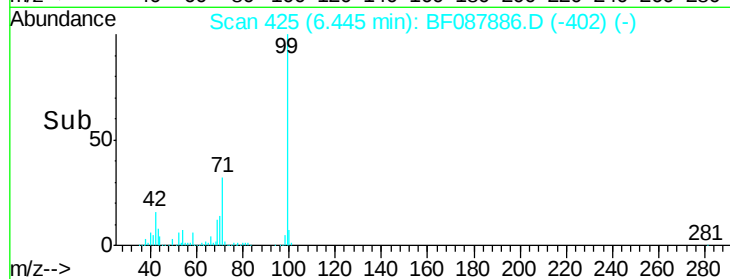
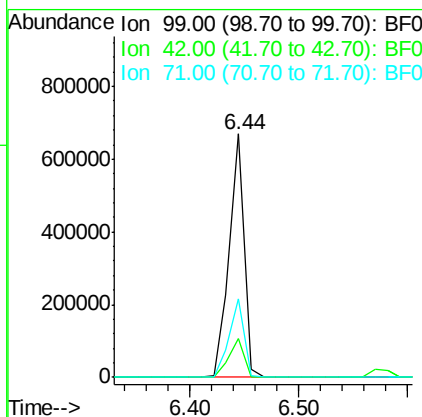
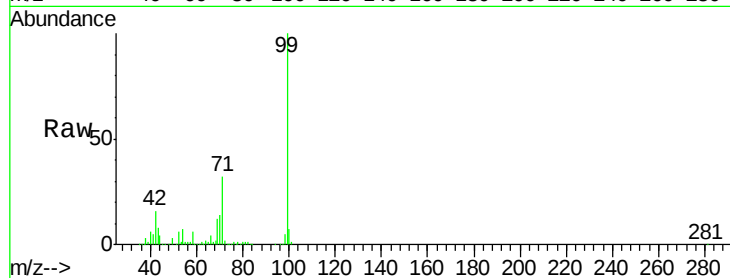
ClientSampleId :

STA-942-PLATFORM(0-4)

Tot Ion:	99	Resp:	635683
Ion Ratio	Lower	Upper	
99	100		
42	16.2	12.2	18.2
71	32.3	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

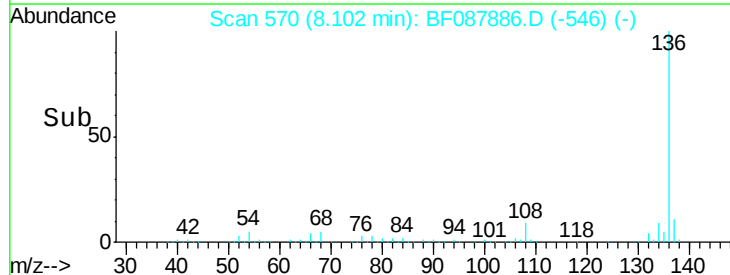
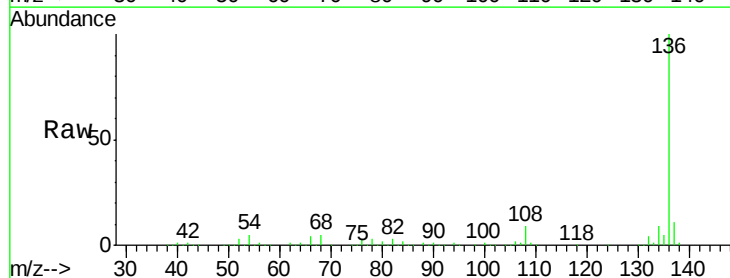
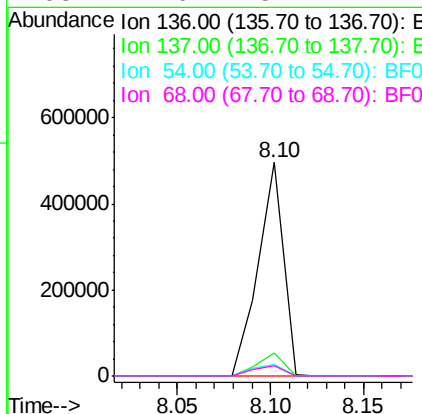
RT: 8.10 min Scan# 570

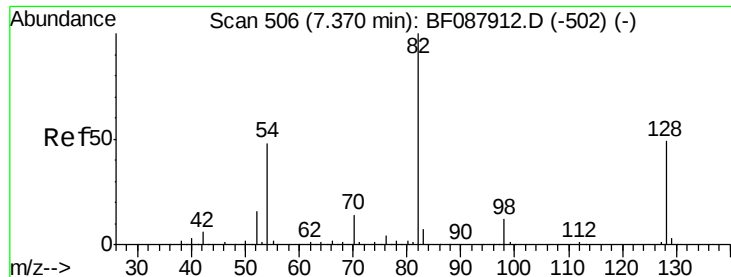
Delta R.T. -0.02 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Tgt Ion:	136	Resp:	465545
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.4	6.6	10.0#
68	4.6	5.1	7.7#





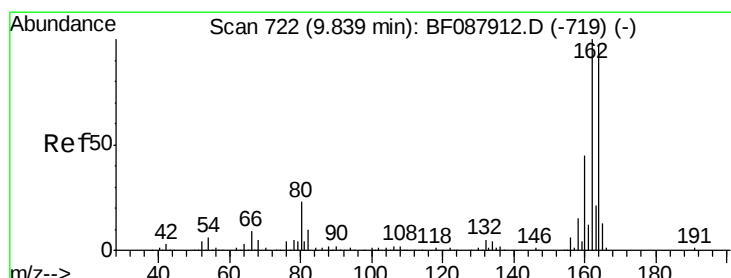
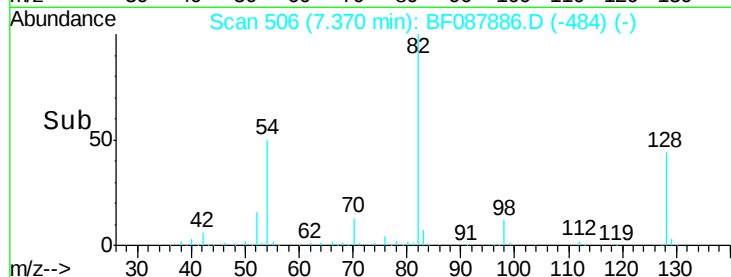
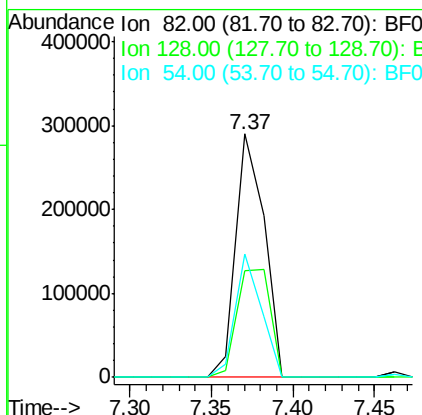
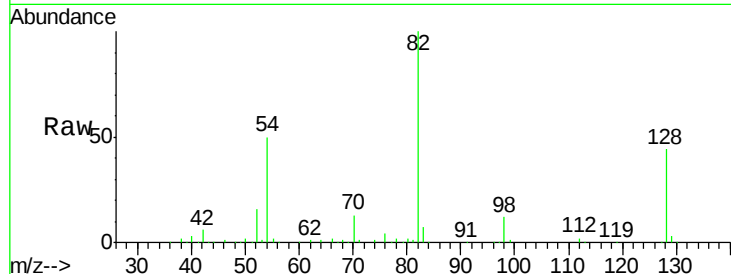
#23
Nitrobenzene-d5
Concen: 43.94 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)

Tot Ion:	82	Resp:	350334
Ion Ratio	Lower	Upper	
82	100		
128	43.6	35.9	53.9
54	50.4	40.9	61.3

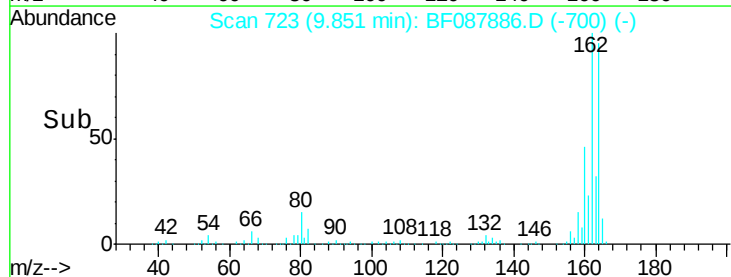
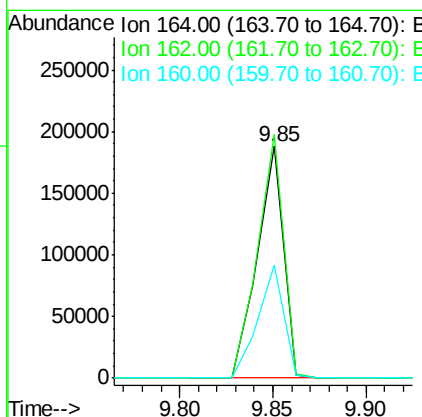
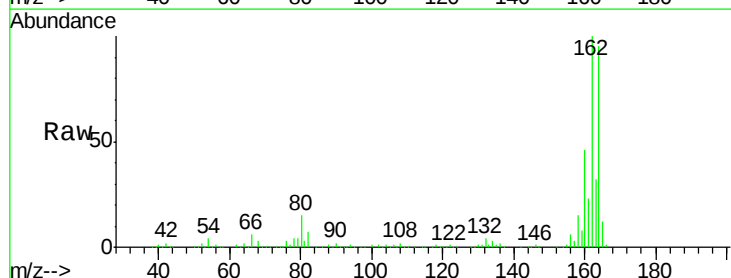
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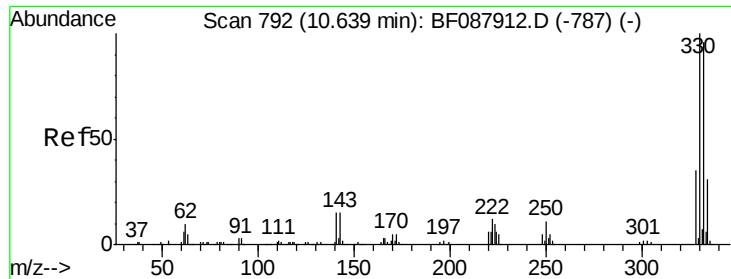
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Tgt Ion:	164	Resp:	181564
Ion Ratio	Lower	Upper	
164	100		
162	105.2	85.4	128.2
160	48.7	39.5	59.3





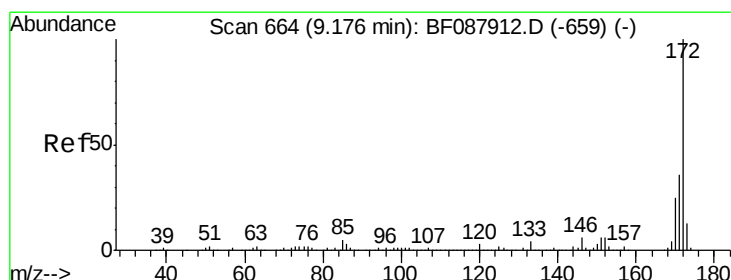
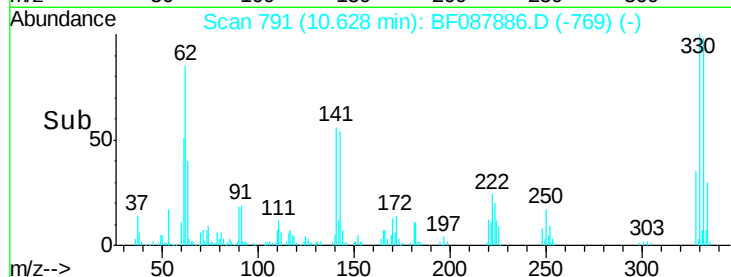
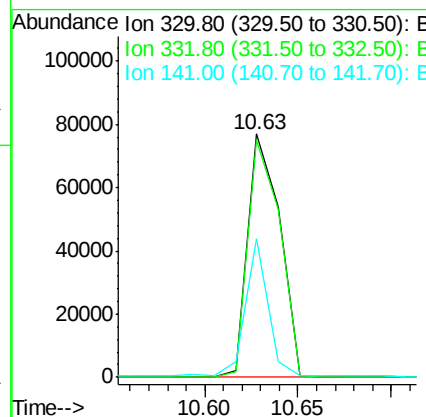
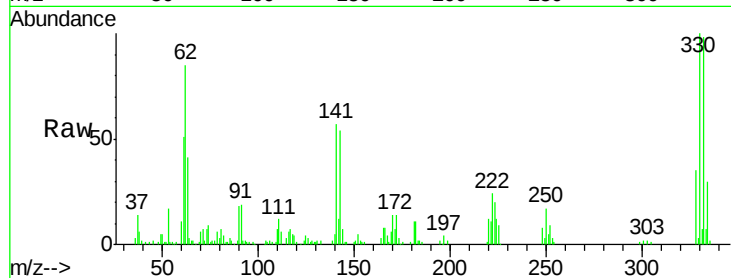
#41
 2,4,6-Tribromophenol
 Concen: 47.86 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087886.D
 Acq: 10 Jun 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	91745		
332	98.0	0.0	0.0	0.0
141	43.8	0.0	0.0	0.0

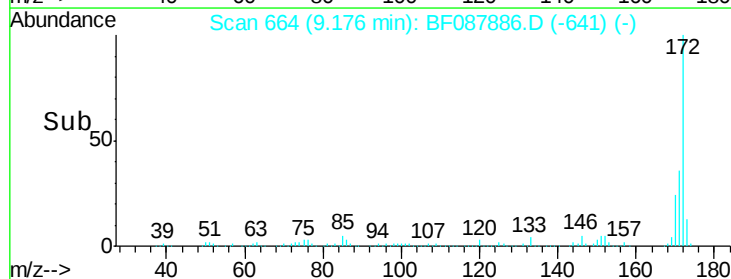
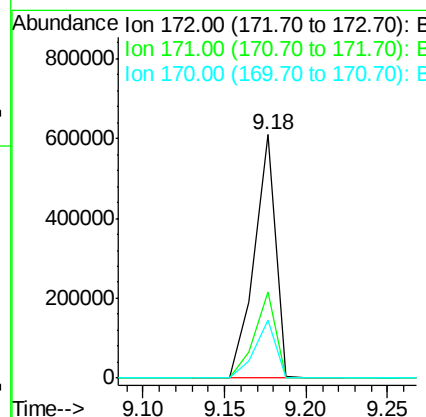
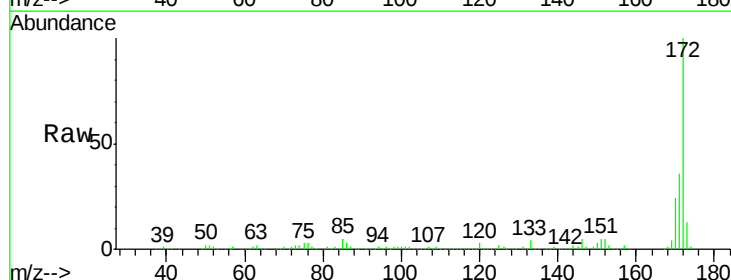
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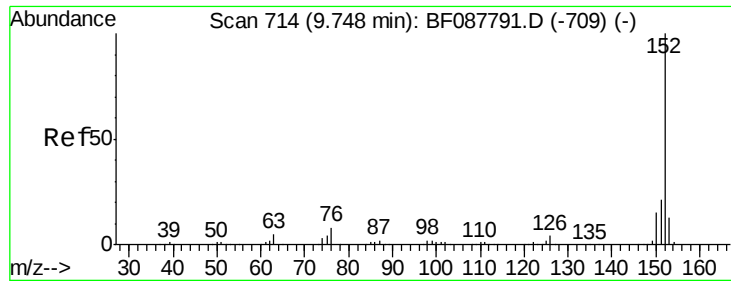
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#44
 2-Fluorobiphenyl
 Concen: 45.42 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087886.D
 Acq: 10 Jun 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	554759		
171	35.6	28.6	43.0	
170	24.0	19.2	28.8	





#48

Acenaphthylene

Concen: 17.73 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF087886.D

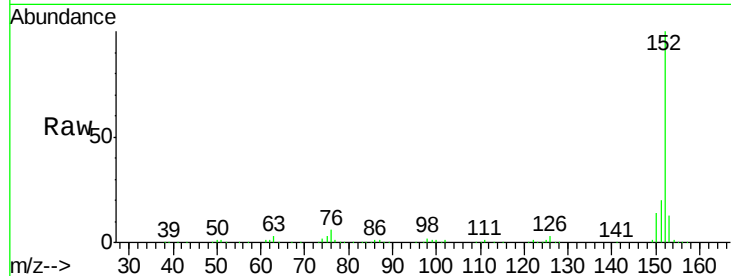
Acq: 10 Jun 2016 20:48

Instrument :

BNA_F

ClientSampleId :

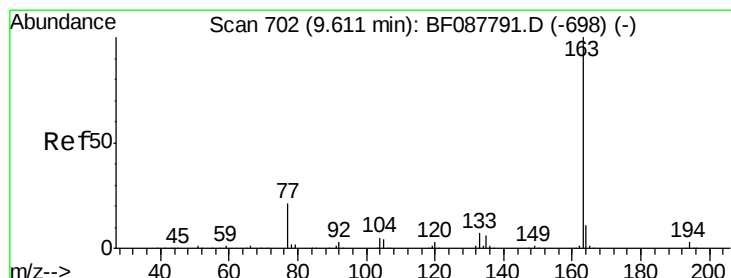
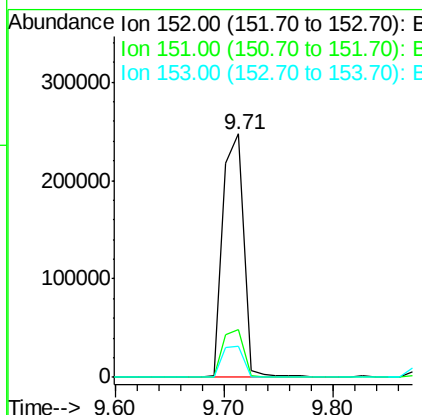
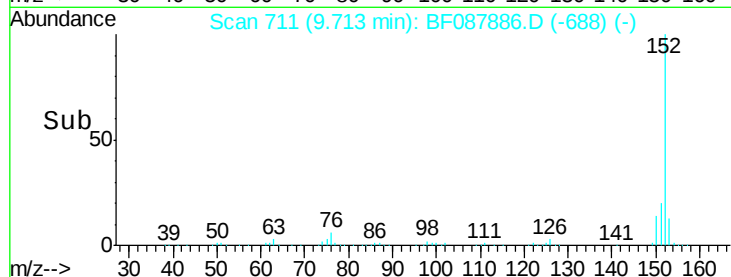
STA-942-PLATFORM(0-4)



Tot Ion:	152	Resp:	331386
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.2	24.4
153	12.7	11.0	16.6

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#49

Dimethylphthalate

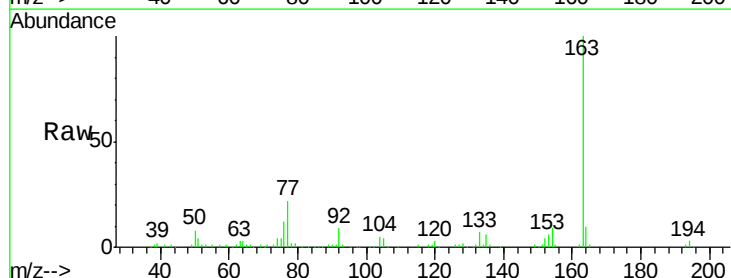
Concen: 6.27 ng

RT: 9.56 min Scan# 698

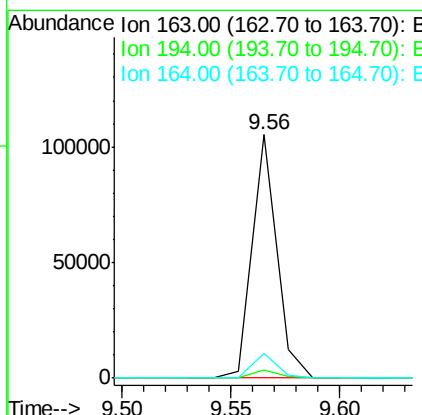
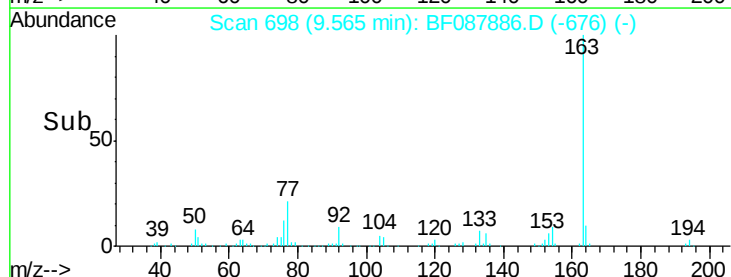
Delta R.T. -0.05 min

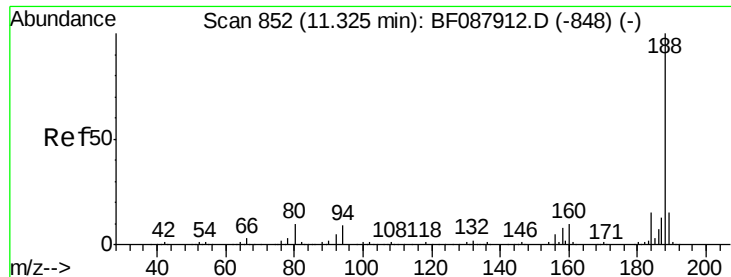
Lab File: BF087886.D

Acq: 10 Jun 2016 20:48



Tgt Ion:	163	Resp:	82524
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	10.2	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Instrument :

BNA_F

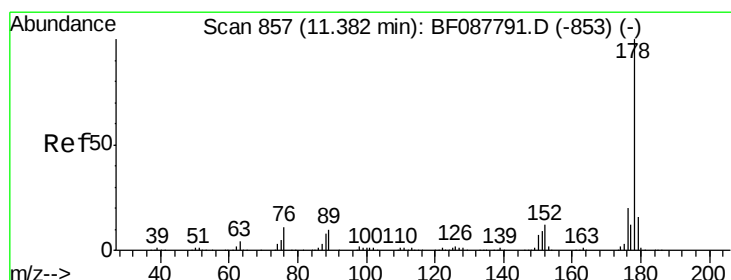
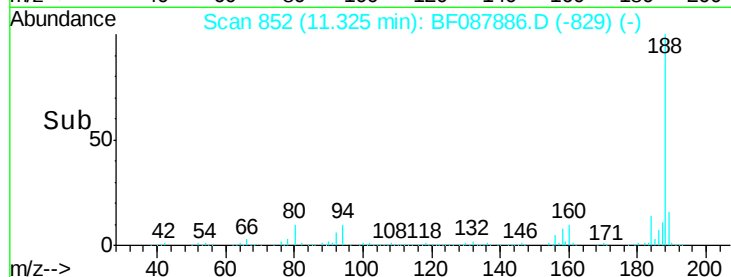
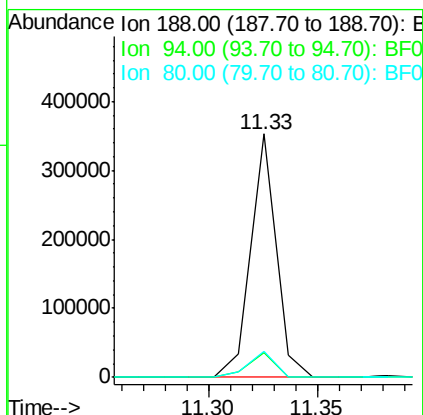
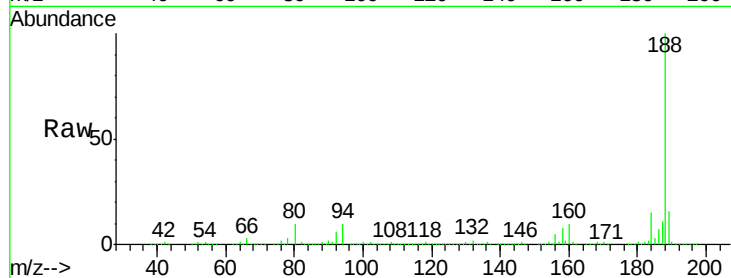
ClientSampleId :

STA-942-PLATFORM(0-4)

Tot Ion:	188	Resp:	288778
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.0	13.6
80	10.4	10.0	15.0

Manual Integrations
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#70

Phenanthrene

Concen: 19.41 ng

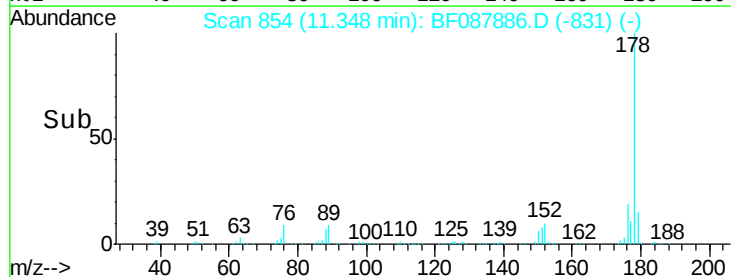
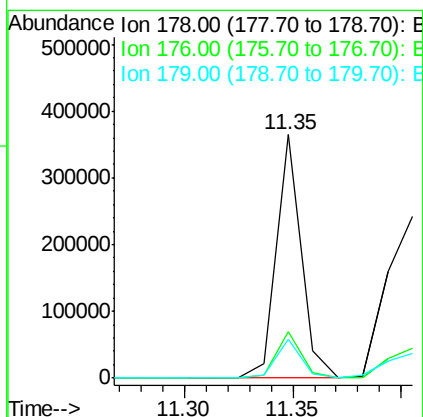
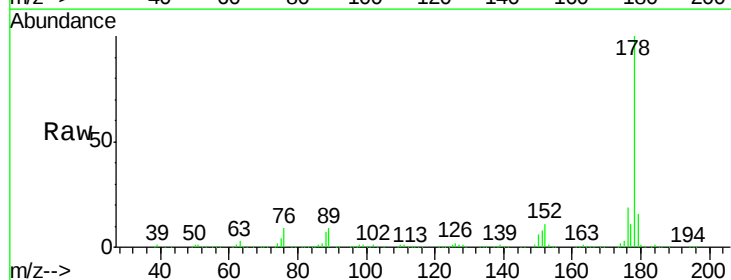
RT: 11.35 min Scan# 854

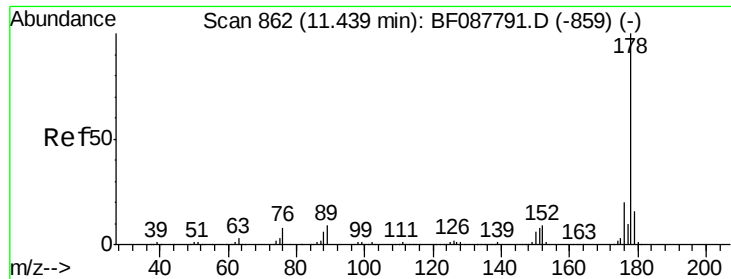
Delta R.T. -0.03 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Tgt Ion:	178	Resp:	294191
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.6
179	15.9	13.0	19.4





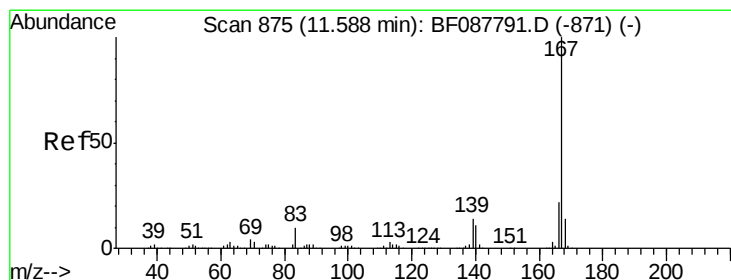
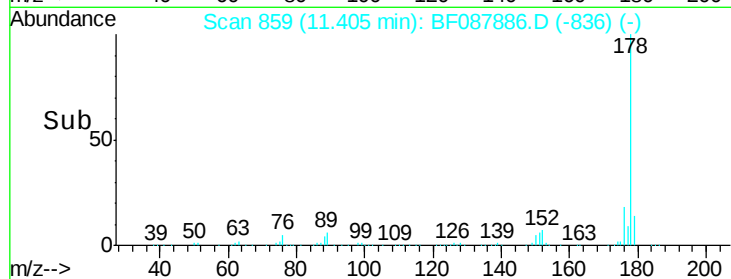
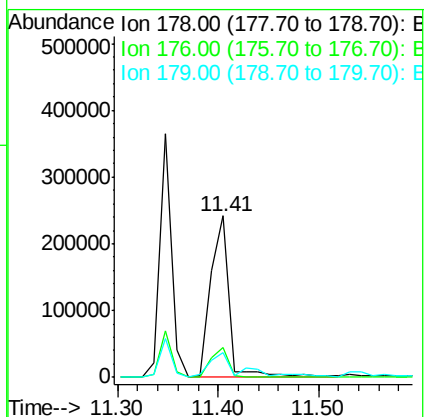
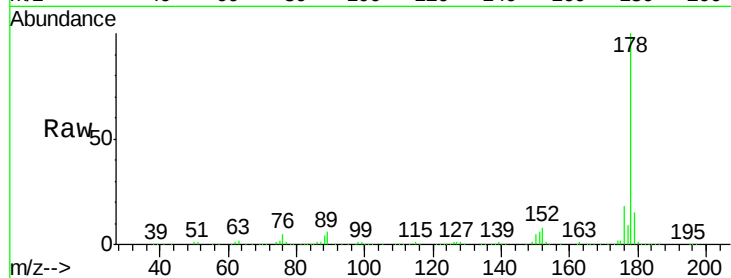
#71
 Anthracene
 Concen: 19.75 ng
 RT: 11.41 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: BF087886.D
 Acq: 10 Jun 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.0	12.8	19.2

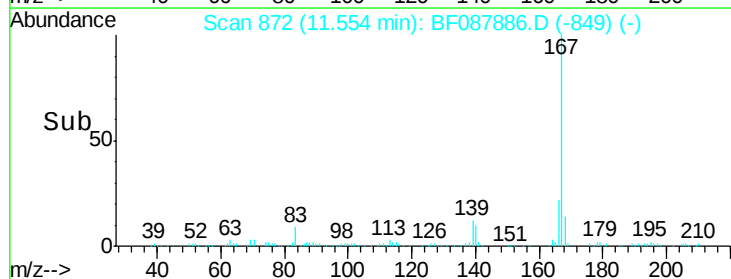
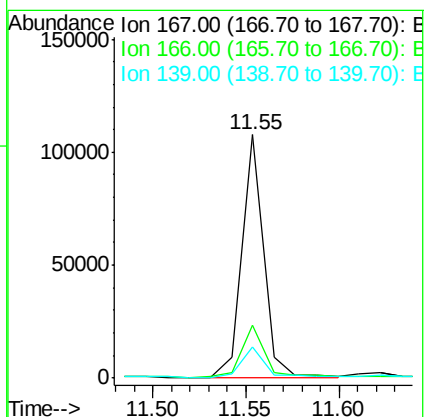
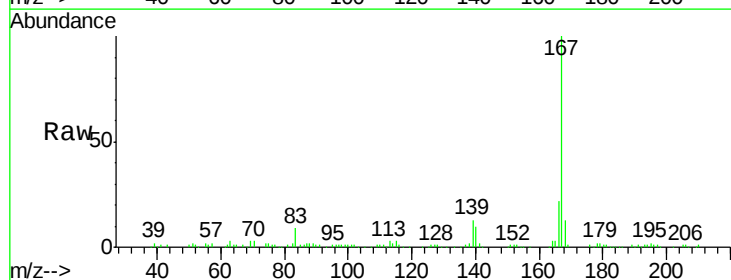
Manual Integrations
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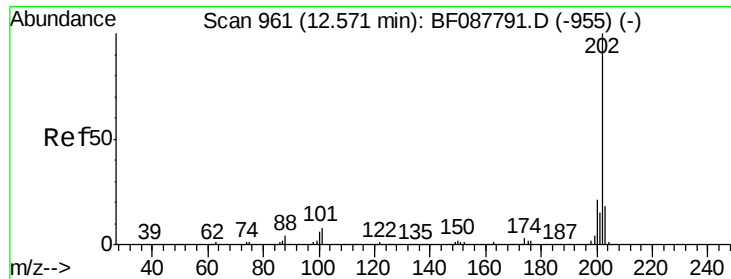
SOHIL
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#72
 Carbazole
 Concen: 6.25 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF087886.D
 Acq: 10 Jun 2016 20:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	12.7	11.2	16.8





#74

Fluoranthene

Concen: 75.09 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Instrument :

BNA_F

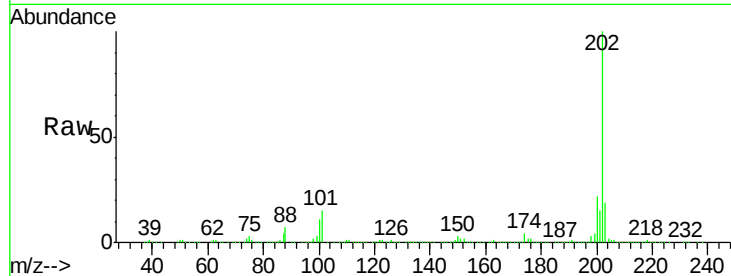
ClientSampleId :

STA-942-PLATFORM(0-4)

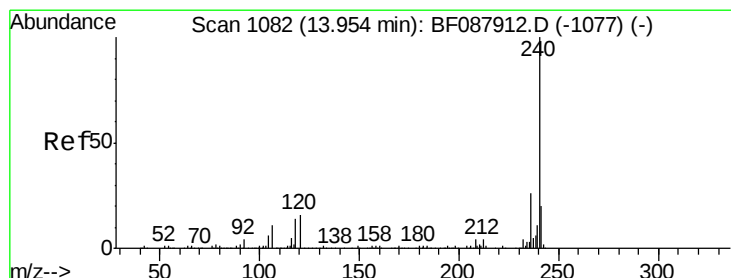
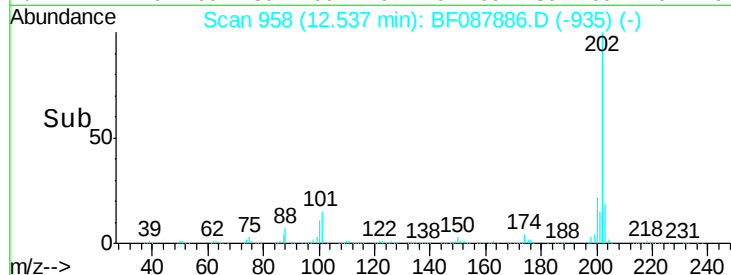
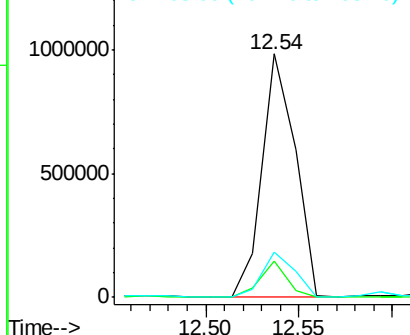
Tot Ion:	202	Resp:	1200853
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	33.1
203	18.7	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.00 ng

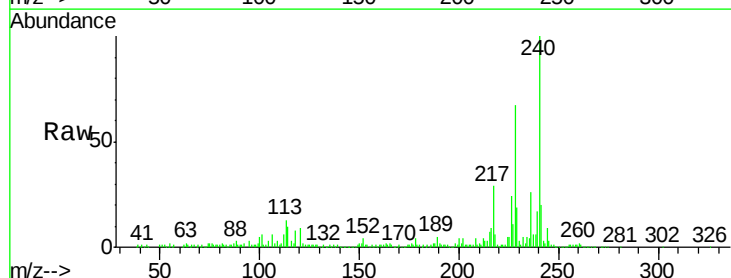
RT: 13.97 min Scan# 1083

Delta R.T. -0.02 min

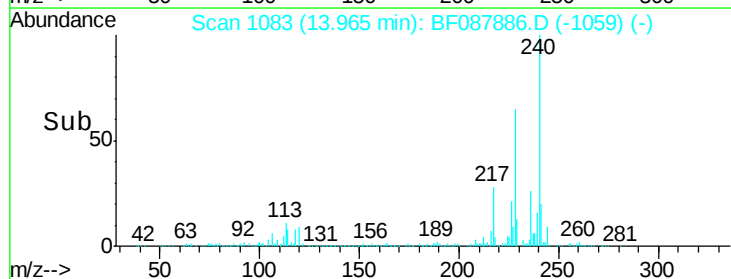
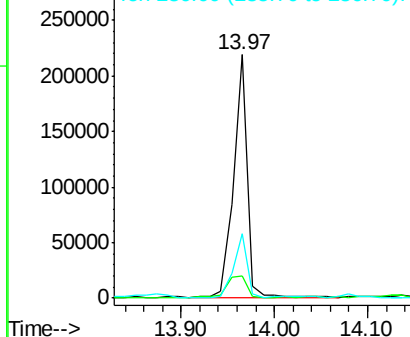
Lab File: BF087886.D

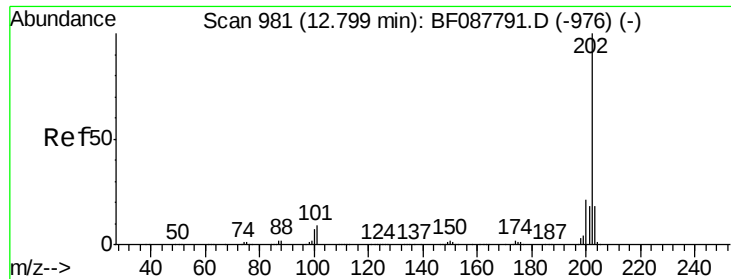
Acq: 10 Jun 2016 20:48

Tgt Ion:	240	Resp:	222526
Ion Ratio	Lower	Upper	
240	100		
120	9.1	6.8	10.2
236	26.3	20.2	30.2



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

Pvrene

Concen: 72.83 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Instrument :

BNA_F

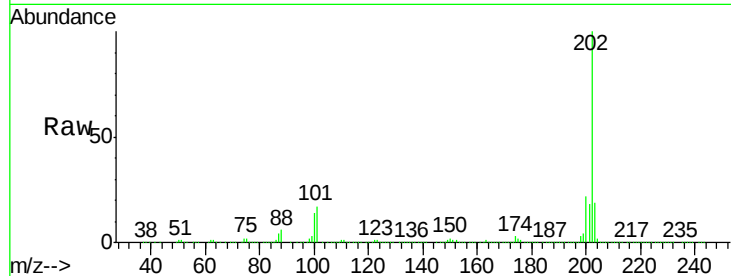
ClientSampleId :

STA-942-PLATFORM(0-4)

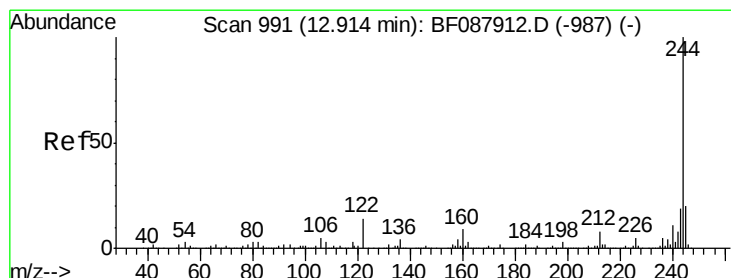
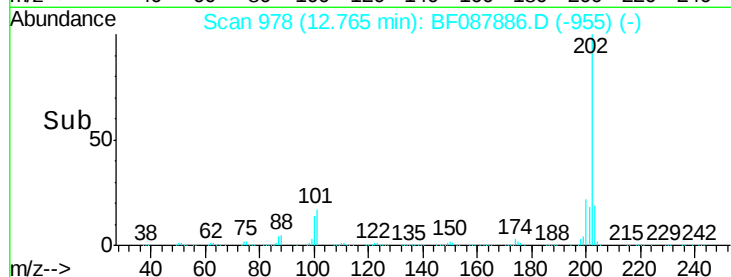
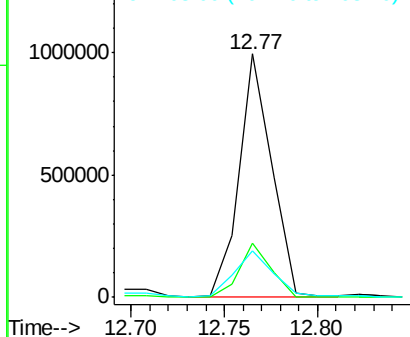
Tot Ion:	202	Resp:	1202695
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.4	26.2
203	19.0	14.5	21.7

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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: 36.72 ng

RT: 12.91 min Scan# 991

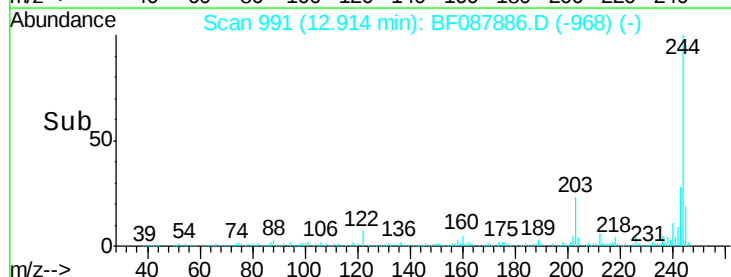
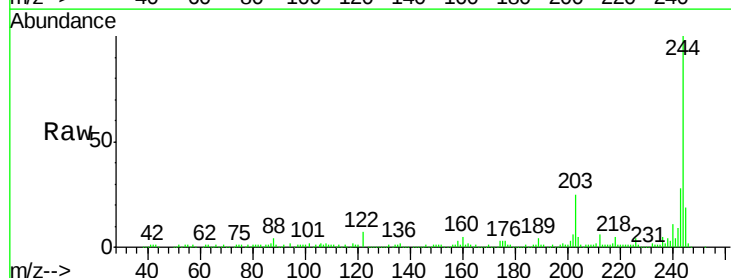
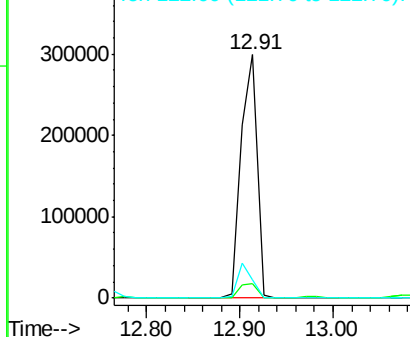
Delta R.T. -0.03 min

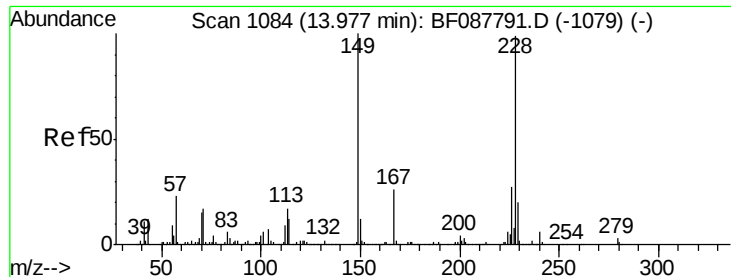
Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Tgt Ion:	244	Resp:	359111
Ion Ratio		Lower	Upper
244	100		
212	6.0	6.0	9.0
122	7.3	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





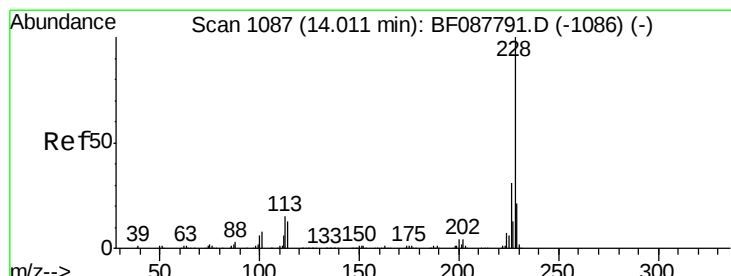
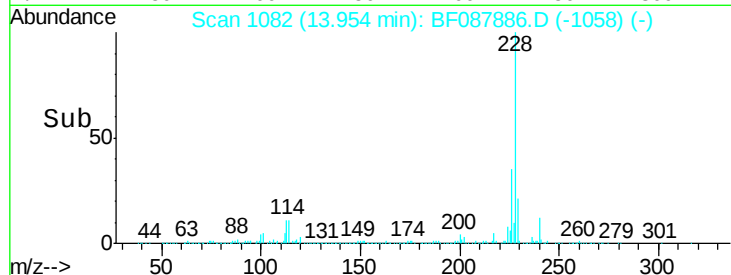
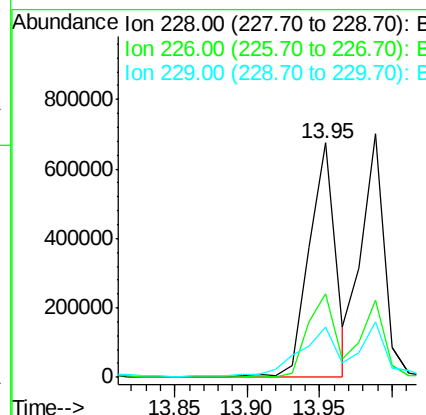
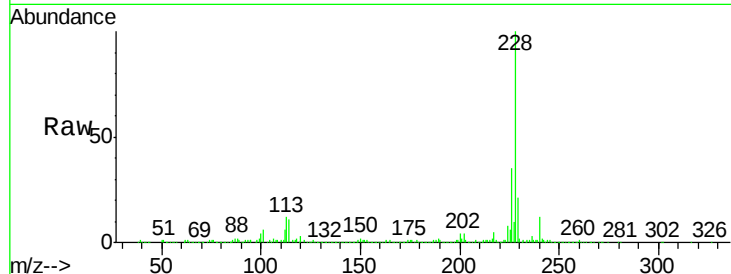
#80
Benzo(a)anthracene
Concen: 66.93 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	22.3	33.5#
229	21.4	16.0	24.0

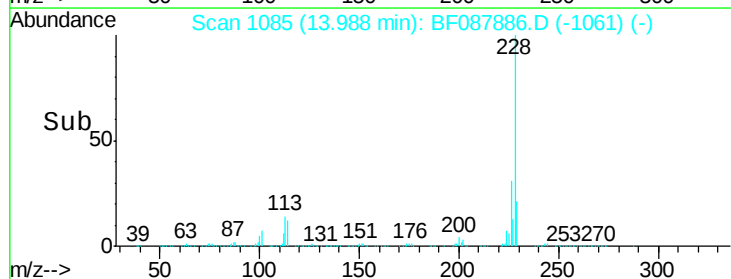
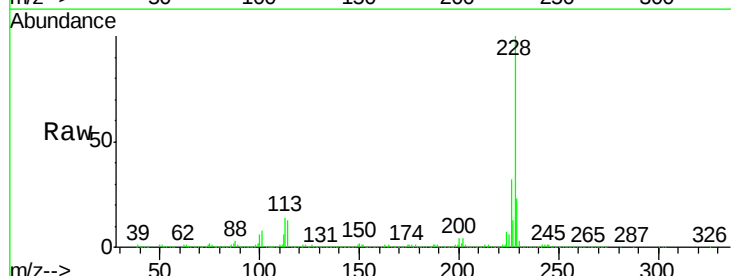
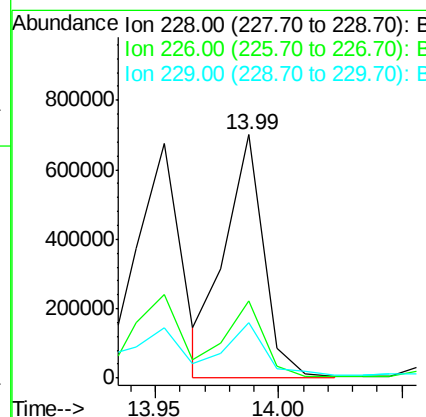
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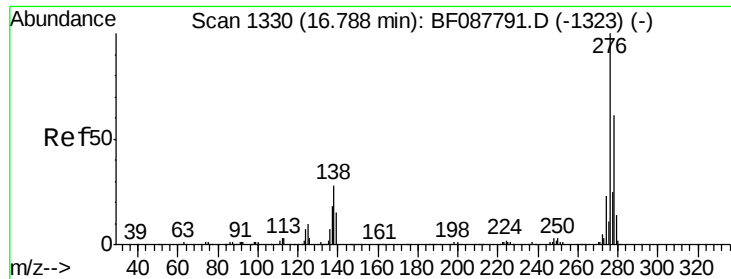
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#82
Chrysene
Concen: 64.24 ng m
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.2
229	22.7	16.3	24.5





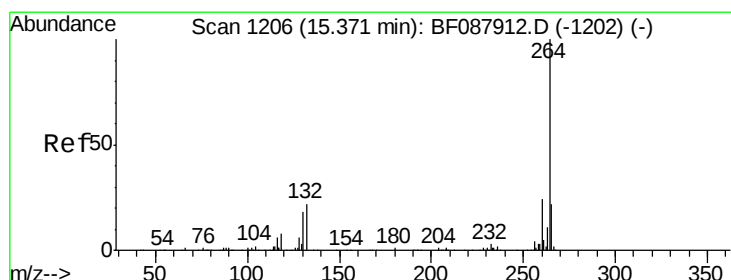
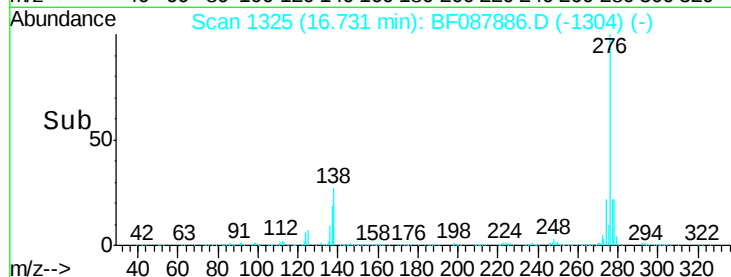
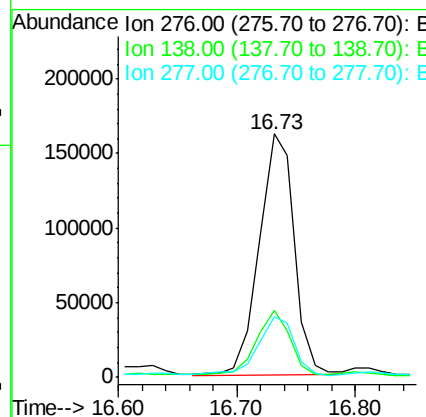
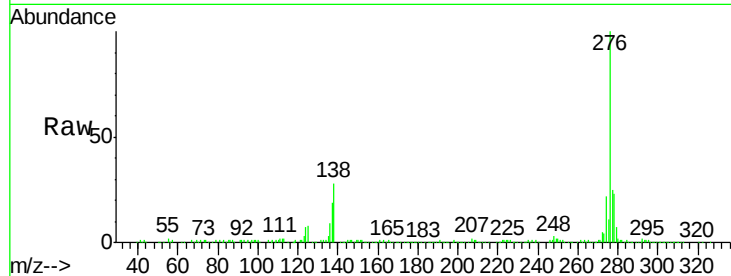
#85
Indeno(1,2,3-cd)pyrene
Concen: 30.06 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.2	0.0	0.0#
277	25.4	0.0	0.0#

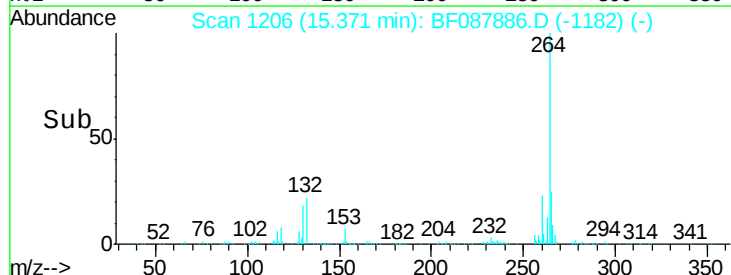
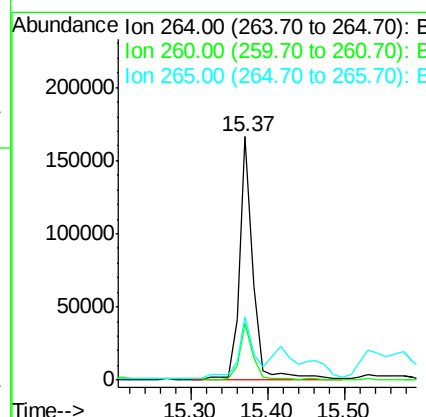
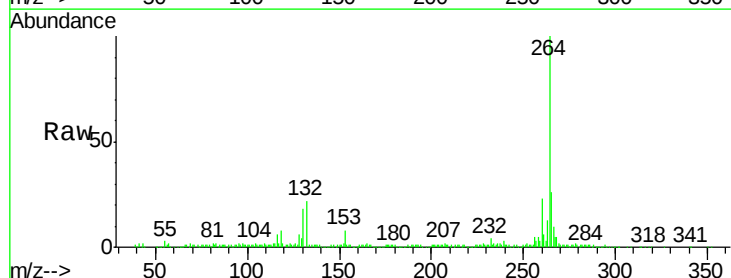
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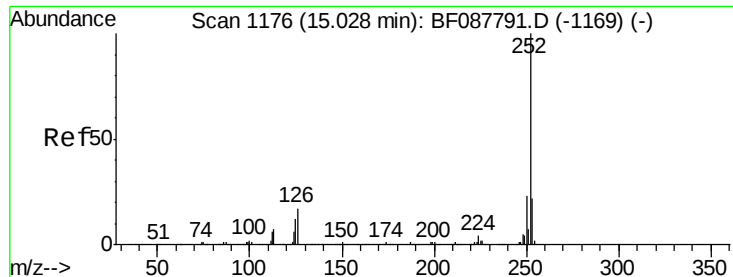
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.2	28.8
265	25.8	16.9	25.3#





#87

Benzo(b)fluoranthene

Concen: 82.04 ng m

RT: 14.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

Instrument :

BNA_F

ClientSampleId :

STA-942-PLATFORM(0-4)

Tot Ion:252 Resp: 1174866

Ion Ratio Lower Upper

252 100

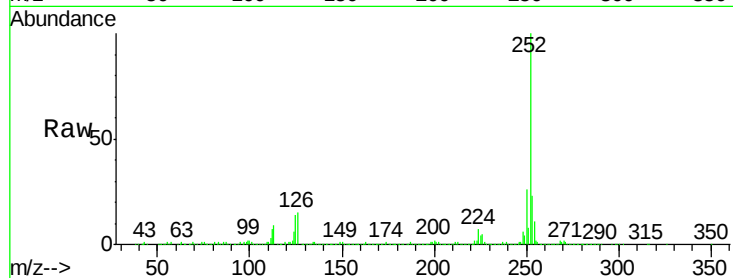
253 23.1 17.4 26.2

125 13.6 7.1 10.7#

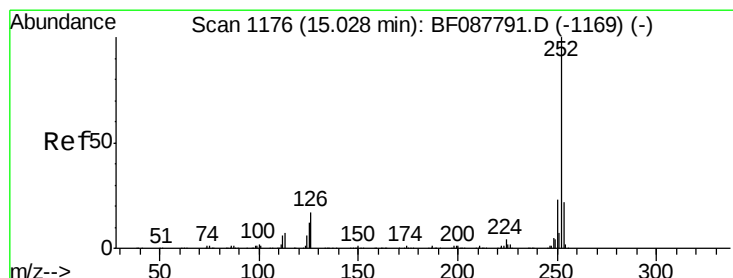
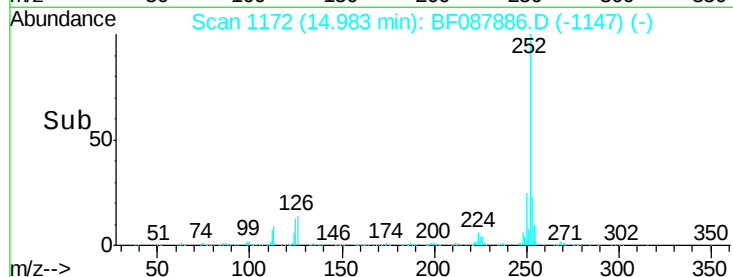
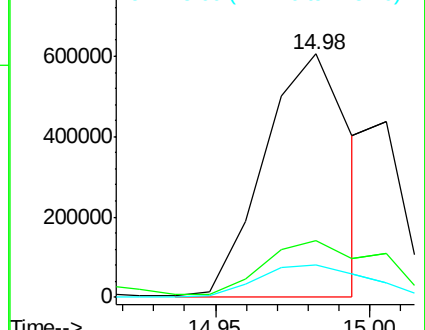
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 30.08 ng m

RT: 15.01 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF087886.D

Acq: 10 Jun 2016 20:48

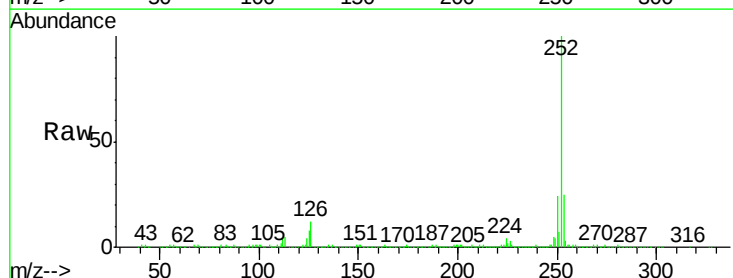
Tgt Ion:252 Resp: 324893

Ion Ratio Lower Upper

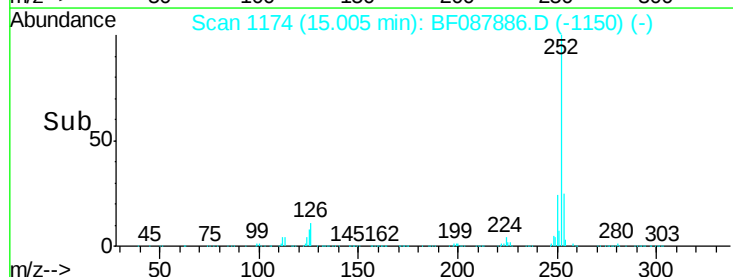
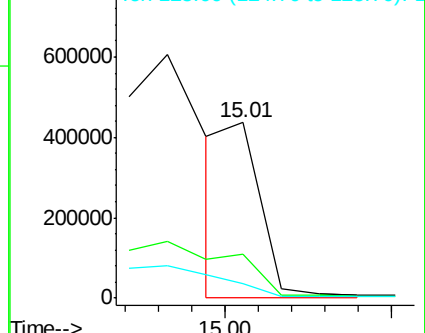
252 100

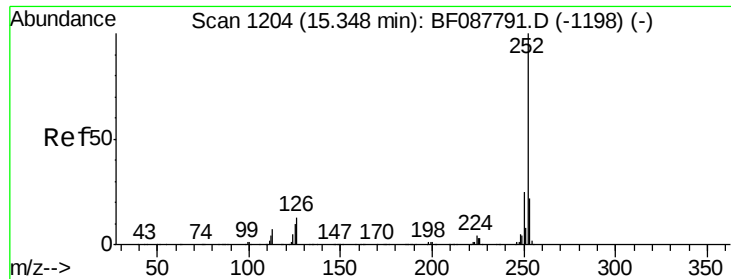
253 25.0 18.0 27.0

125 8.1 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





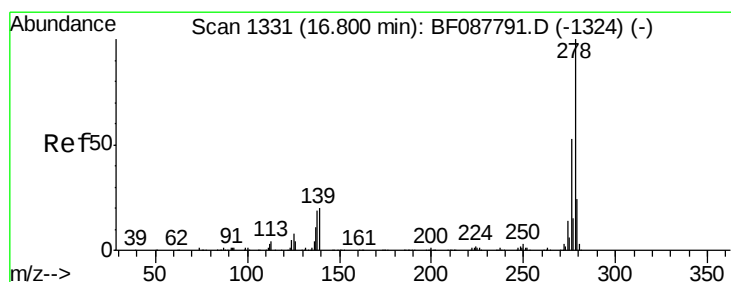
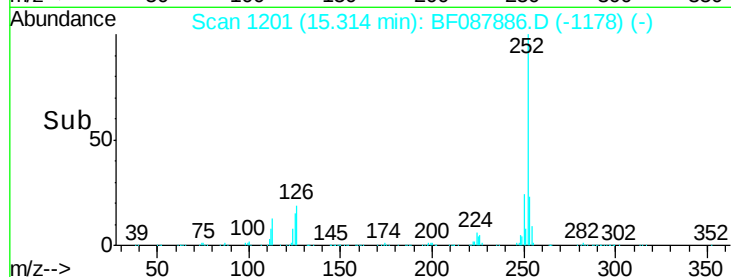
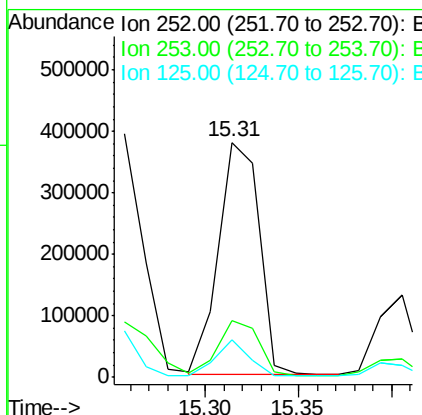
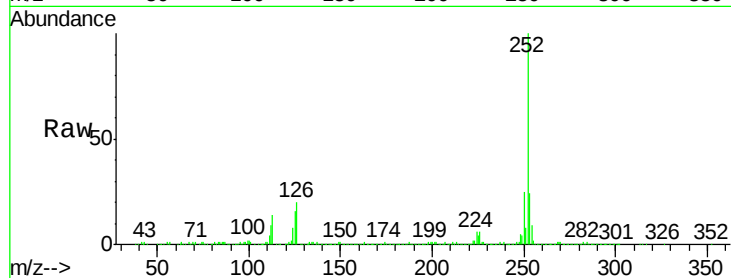
#89
Benzo(a)pyrene
Concen: 49.95 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.7	12.5	18.7

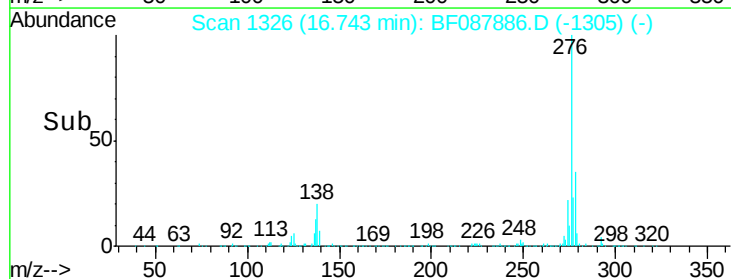
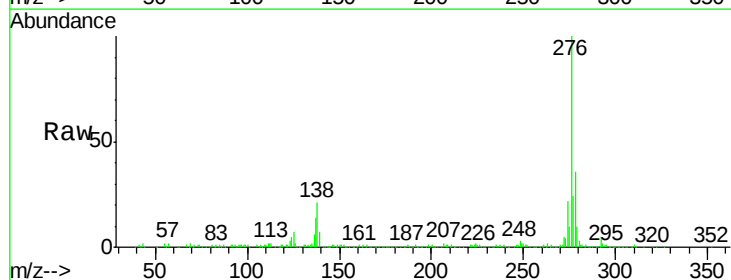
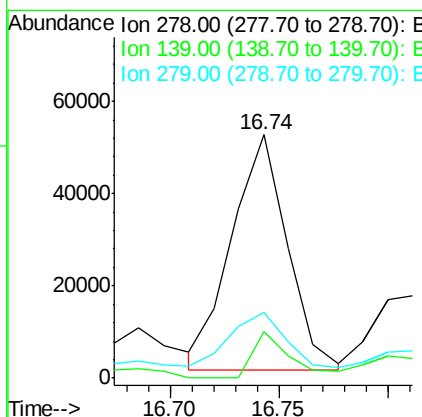
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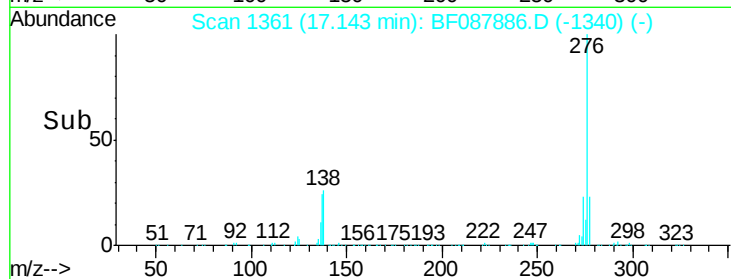
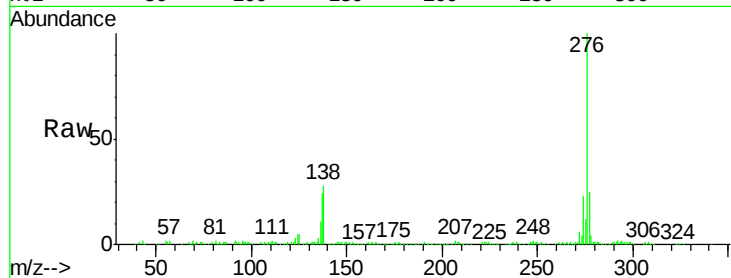
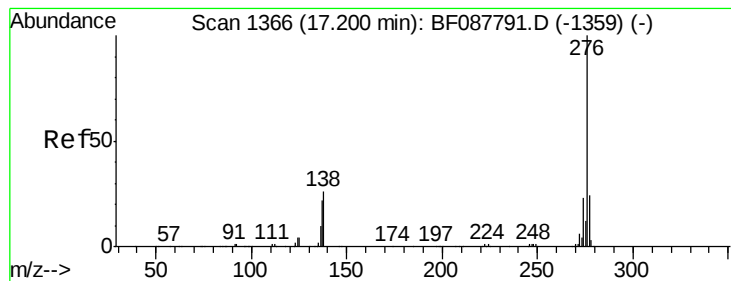
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#90
Dibenzo(a,h)anthracene
Concen: 8.45 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.06 min
Lab File: BF087886.D
Acq: 10 Jun 2016 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.7	23.5
279	27.1	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 24.66 ng
 RT: 17.14 min Scan# 1361
 Delta R.T. -0.06 min
 Lab File: BF087886.D
 Acq: 10 Jun 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.6	18.9	28.3
138	28.0	21.4	32.2

Manual Integrations
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