

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
 Data File : BF082270.D
 Acq On : 13 Oct 2015 22:53
 Operator : UM/IZ
 Sample : G4005-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-3

Manual Integrations
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 10/14/2015 3:51:22 PM

Quant Time: Oct 14 05:52:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 01:15:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	68689	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	278746	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	139663	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	277603	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	237929	20.00	ng	-0.10
86) Perylene-d12	15.56	264	208075	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	402076	118.14	ng	0.00
7) Phenol-d6	6.46	99	539641	121.84	ng	-0.01
23) Nitrobenzene-d5	7.39	82	335309	80.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	146770	112.06	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	635660	75.48	ng	-0.01
78) Terphenyl-d14	12.96	244	665949	74.17	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	140766	14.31	ng	99
70) Phenanthrene	11.38	178	190329	13.99	ng	98
71) Anthracene	11.44	178	46496	3.32	ng	97
74) Fluoranthene	12.57	202	286014	19.57	ng	97
77) Pyrene	12.80	202	261258	18.50	ng	97
80) Benzo(a)anthracene	14.02	228	138627	11.20	ng	97
82) Chrysene	14.07	228	119742	9.18	ng	99
85) Indeno(1,2,3-cd)pyrene	16.98	276	50560m	4.88	ng	
87) Benzo(b)fluoranthene	15.13	252	109420m	8.64	ng	
88) Benzo(k)fluoranthene	15.14	252	58298m	5.48	ng	
89) Benzo(a)pyrene	15.50	252	90617	8.33	ng	# 97
91) Benzo(a,h,i)perylene	17.41	276	51633	5.96	ng	96

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

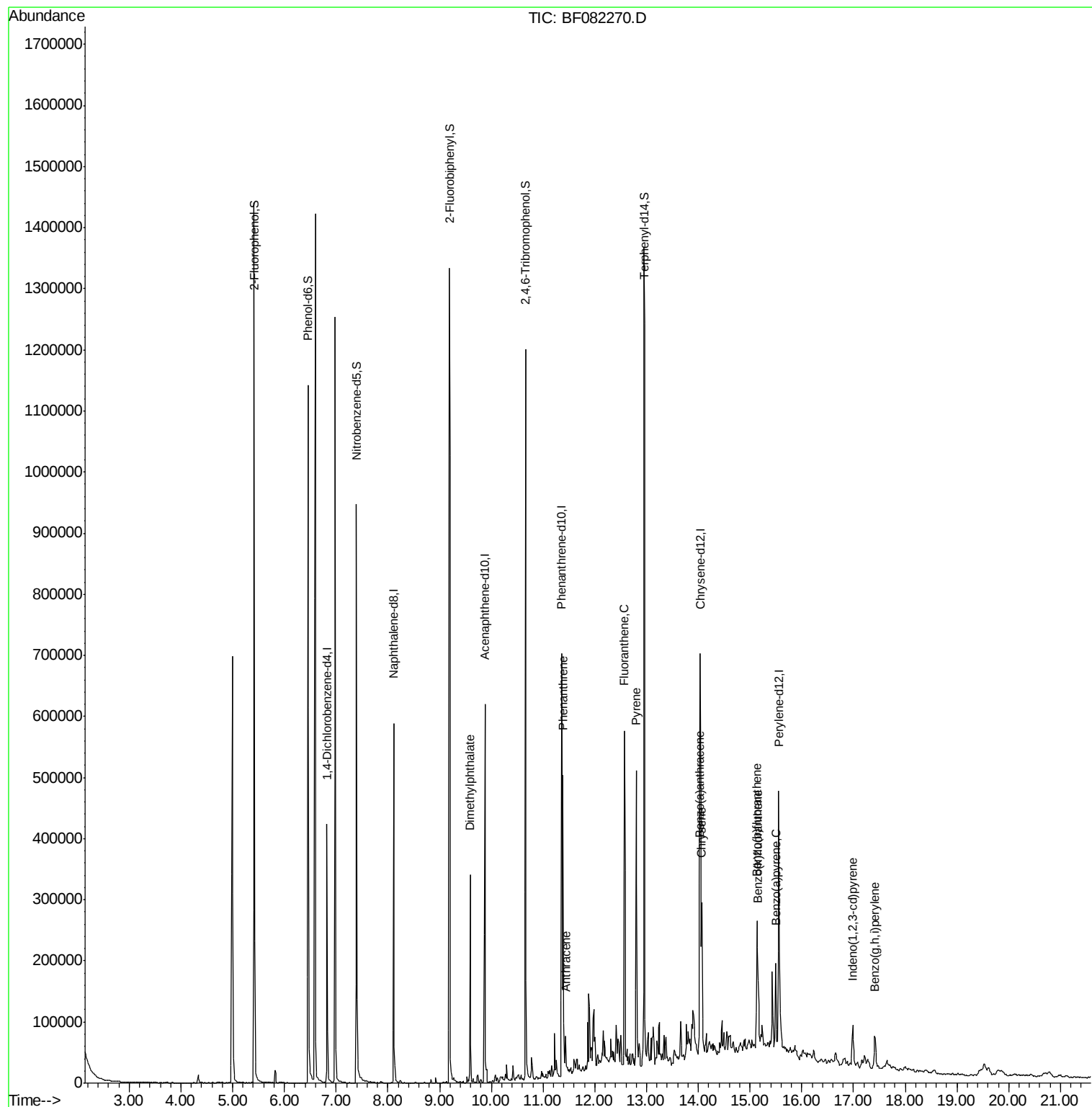
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
Data File : BF082270.D
Acq On : 13 Oct 2015 22:53
Operator : UM/IZ
Sample : G4005-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

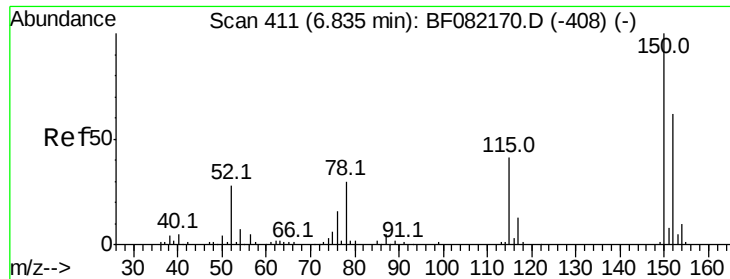
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Oct 14 05:52:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 14 01:15:23 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

Tot Ion:152 Resp: 68689

Ion Ratio Lower Upper

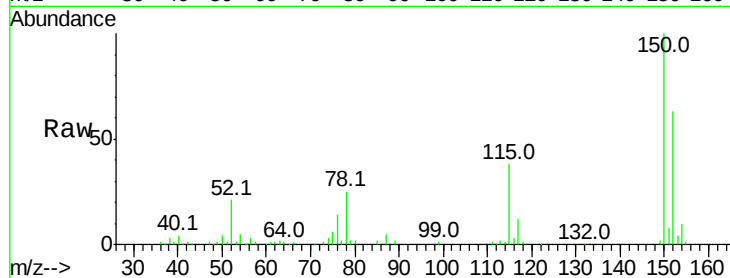
152 100

150 158.2 129.0 193.4

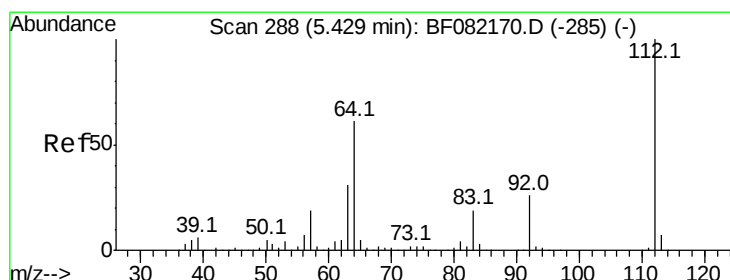
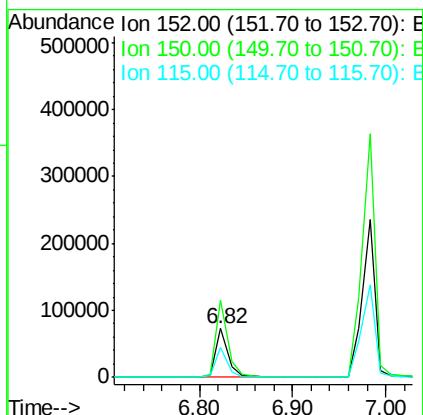
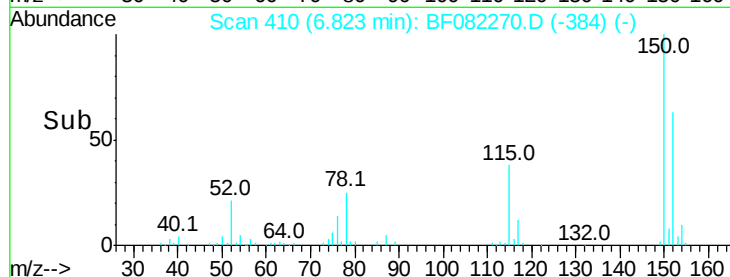
115 60.6 52.1 78.1

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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: 118.14 ng

RT: 5.42 min Scan# 287

Delta R.T. -0.00 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

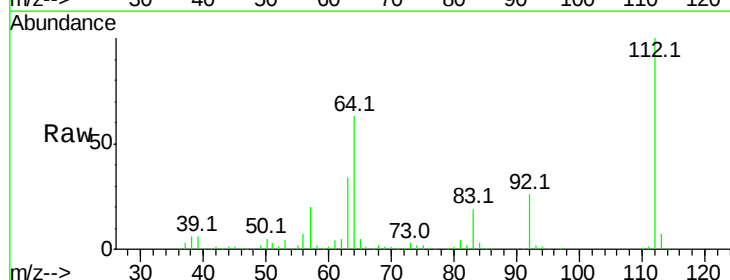
Tgt Ion:112 Resp: 402076

Ion Ratio Lower Upper

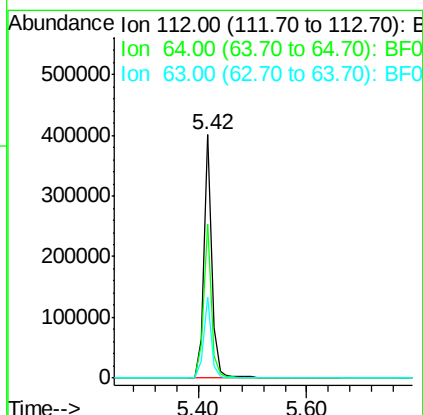
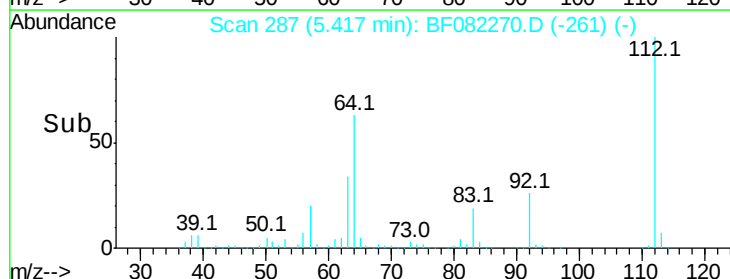
112 100

64 63.3 48.6 73.0

63 33.6 25.1 37.7



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: 121.84 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

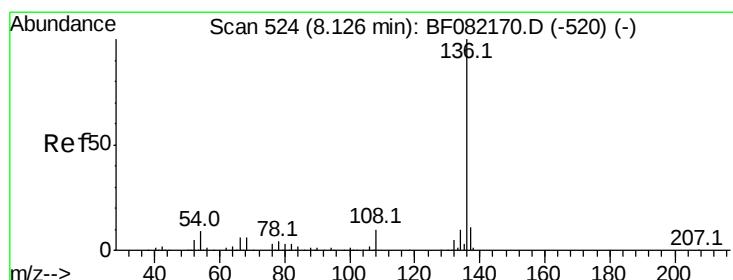
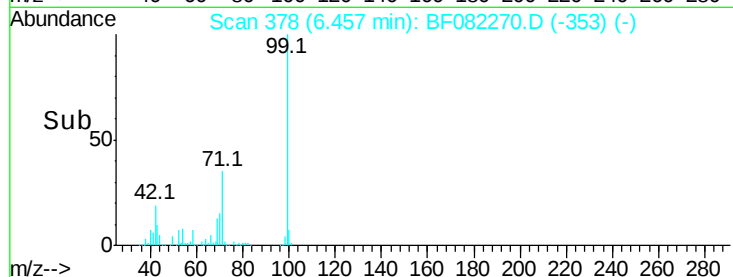
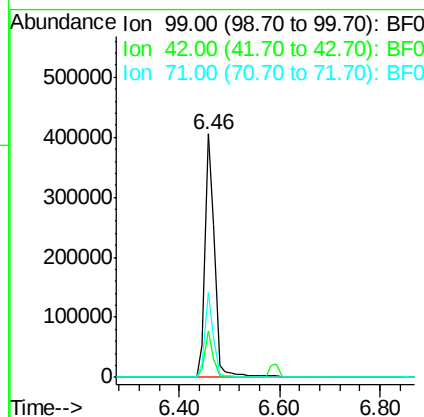
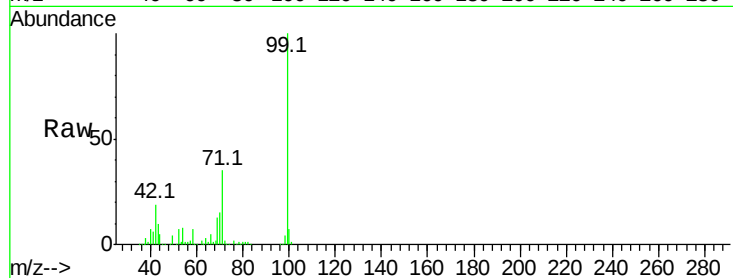
ClientSampleId :

UST-3

Tot Ion:	99	Resp:	539641
Ion Ratio	Lower	Upper	
99	100		
42	19.2	13.2	19.8
71	34.8	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

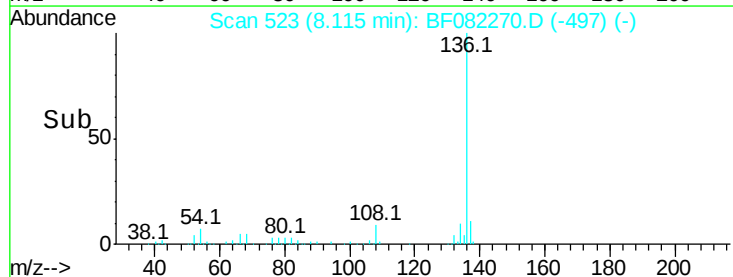
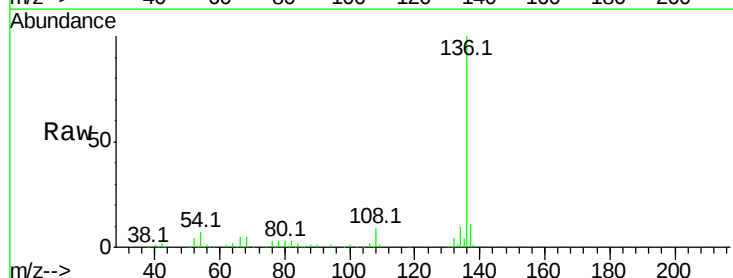
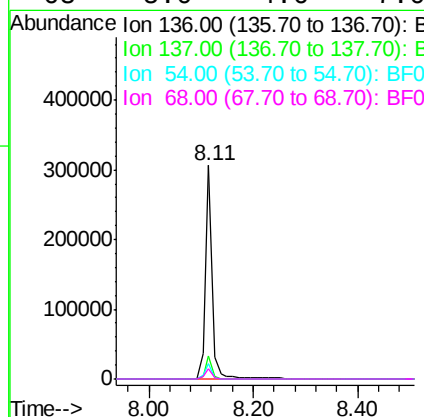
RT: 8.11 min Scan# 523

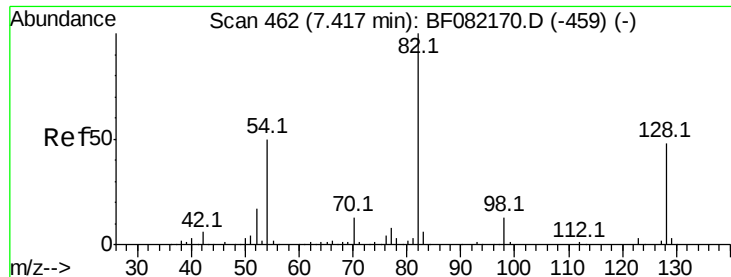
Delta R.T. -0.00 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Tgt Ion:	136	Resp:	278746
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	7.5	7.5	11.3#
68	5.0	4.6	7.0





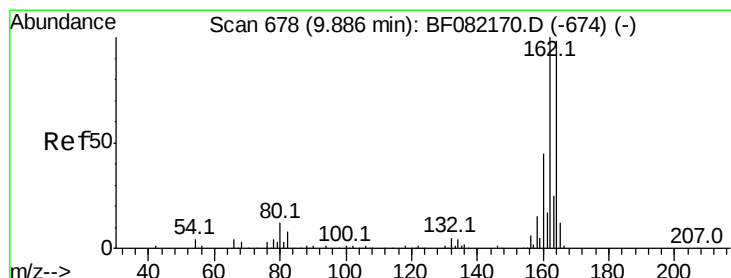
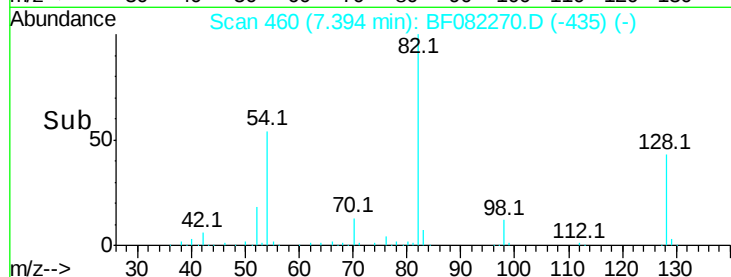
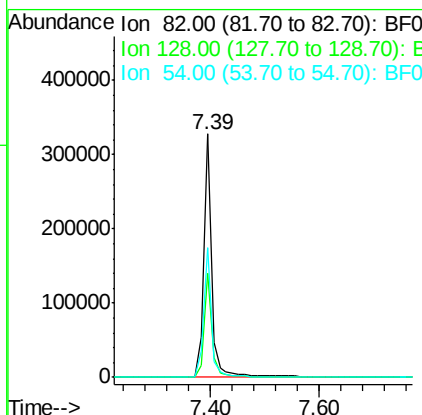
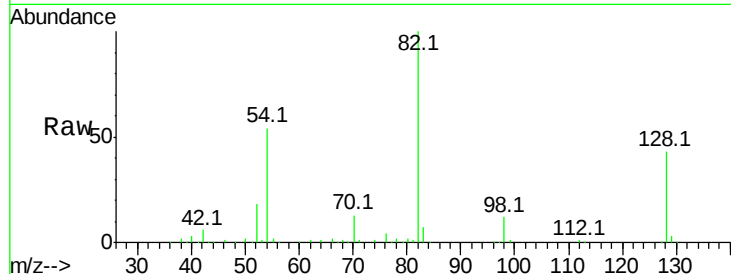
#23
 Nitrobenzene-d5
 Concen: 80.78 ng
 RT: 7.39 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF082270.D
 Acq: 13 Oct 2015 22:53

Instrument :
 BNA_F
 ClientSampleId :
 UST-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.7	38.7	58.1	
54	53.5	40.1	60.1	

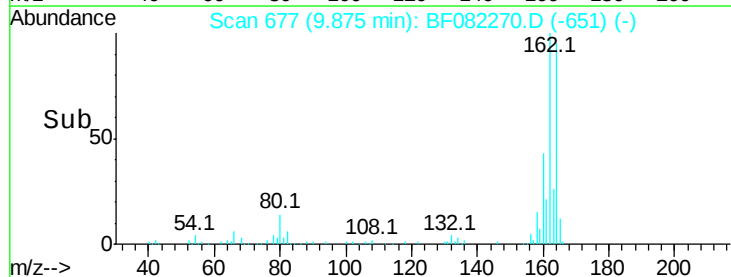
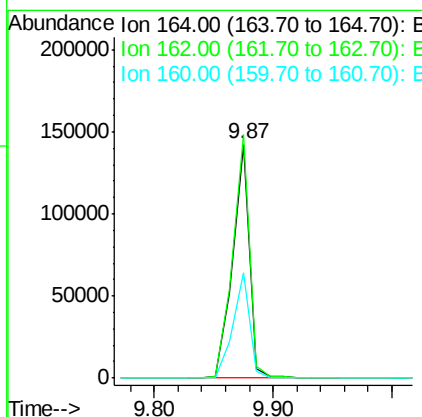
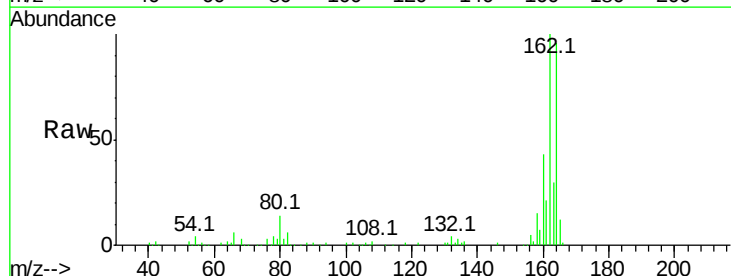
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: BF082270.D
 Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	81.6	122.4	
160	45.2	36.4	54.6	





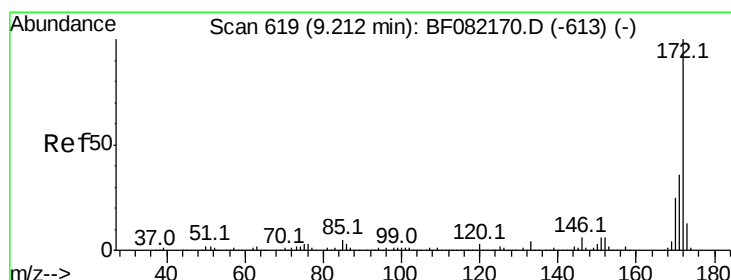
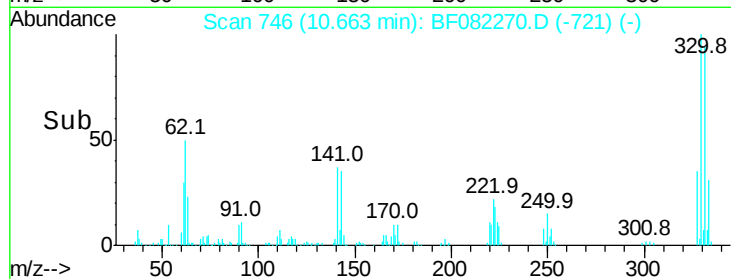
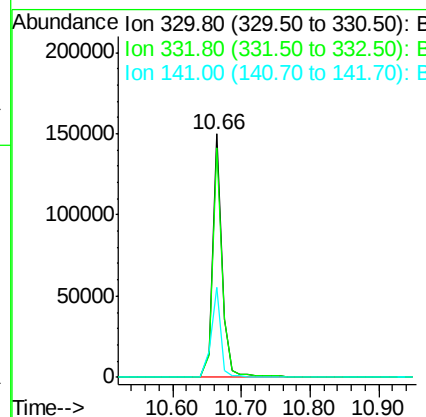
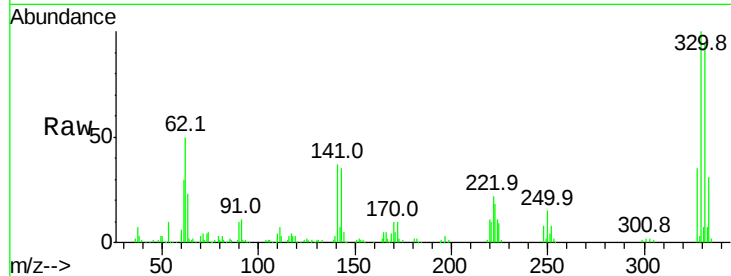
#41
 2,4,6-Tribromophenol
 Concen: 112.06 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082270.D
 Acq: 13 Oct 2015 22:53

Instrument :
 BNA_F
 ClientSampleId :
 UST-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	146770		
332	95.2	77.1	115.7	
141	37.6	29.8	44.8	

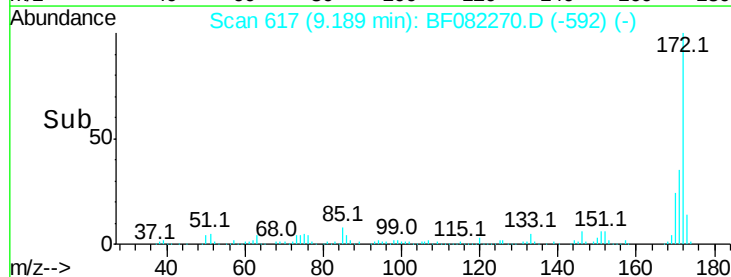
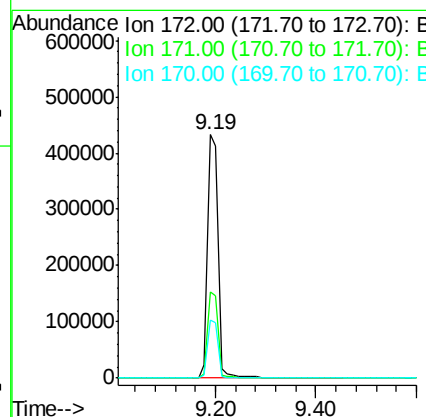
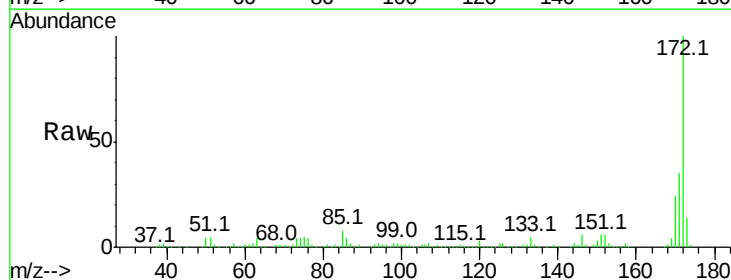
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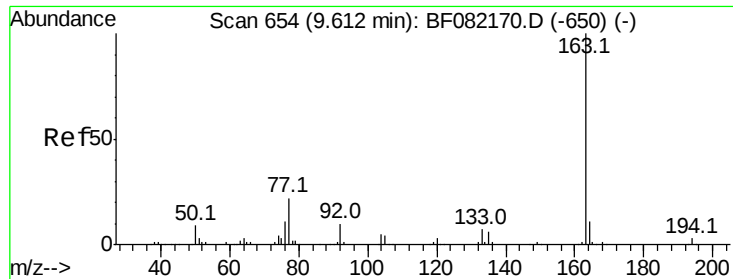
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#44
 2-Fluorobiphenyl
 Concen: 75.48 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082270.D
 Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	635660		
171	35.4	28.6	42.8	
170	23.9	19.7	29.5	





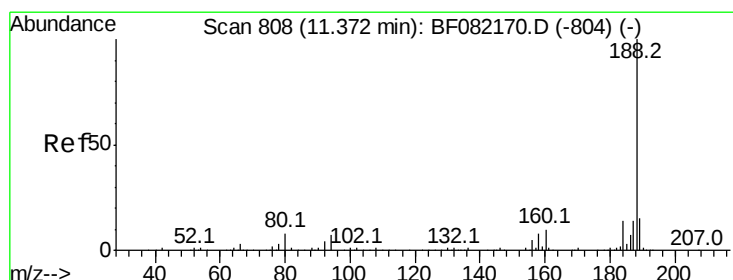
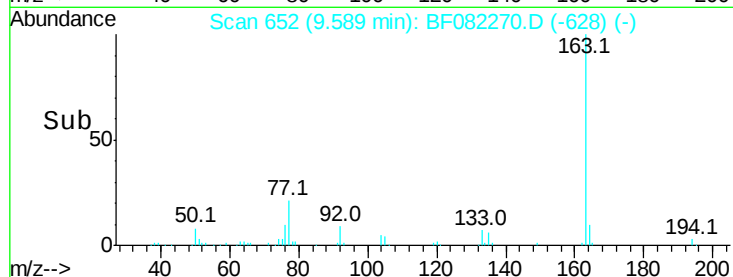
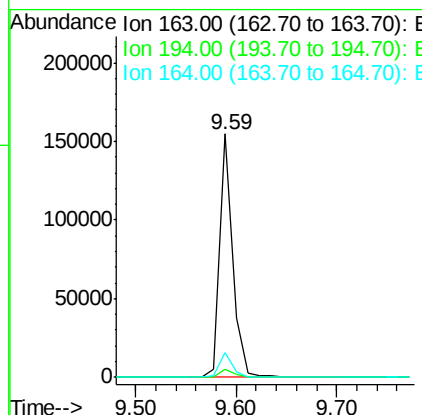
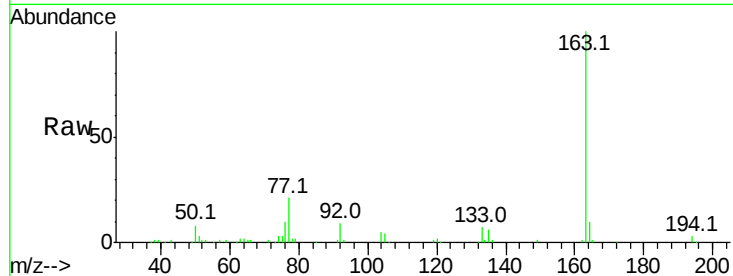
#49
Dimethylphthalate
Concen: 14.31 ng
RT: 9.59 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Instrument :
BNA_F
ClientSampleId :
UST-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	10.4	8.5	12.7	

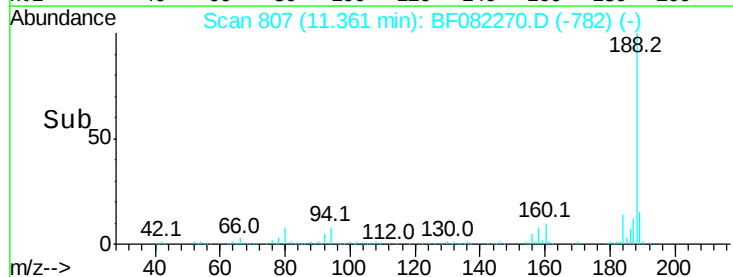
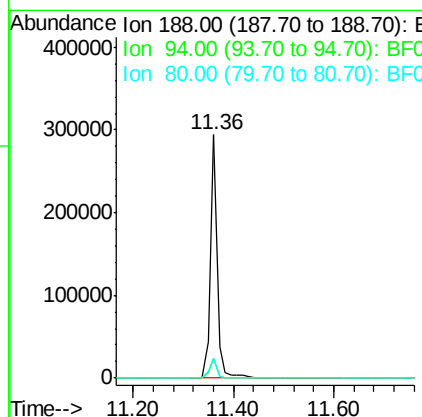
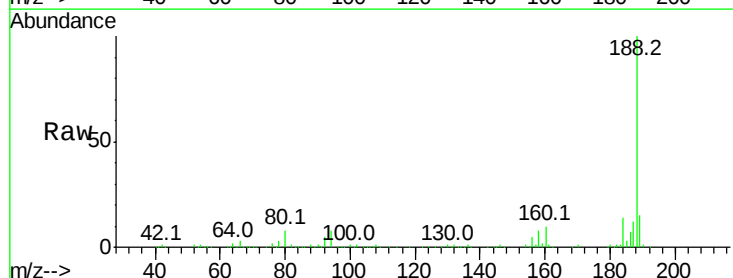
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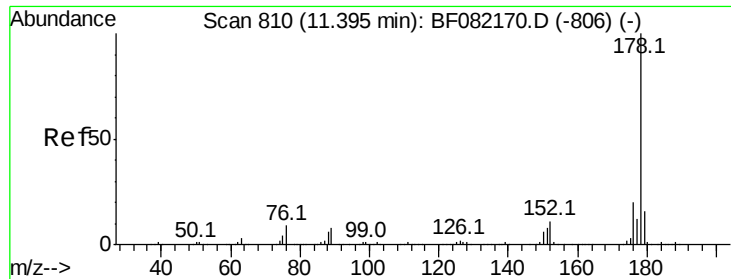
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.0	5.8	8.6	
80	8.2	6.4	9.6	





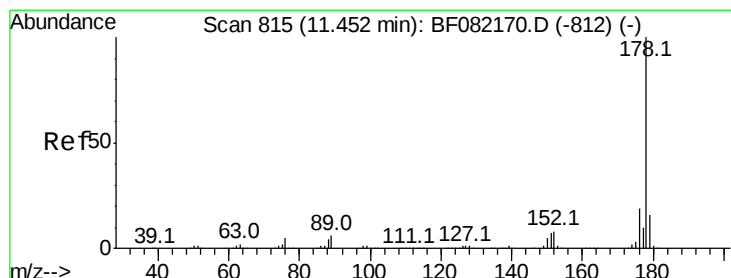
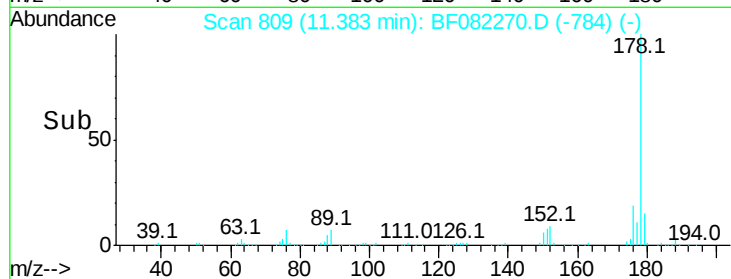
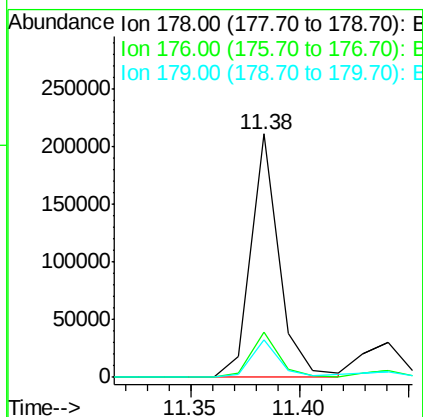
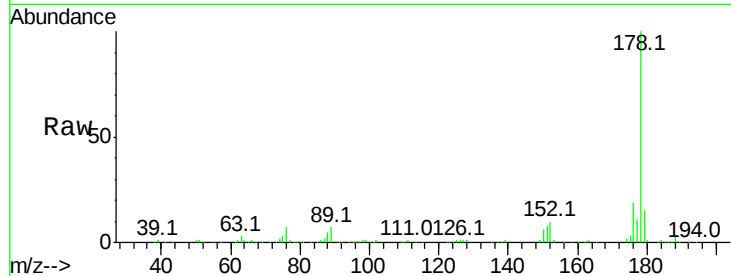
#70
Phenanthrene
Concen: 13.99 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Instrument :
BNA_F
ClientSampleId :
UST-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	15.3	12.6	19.0

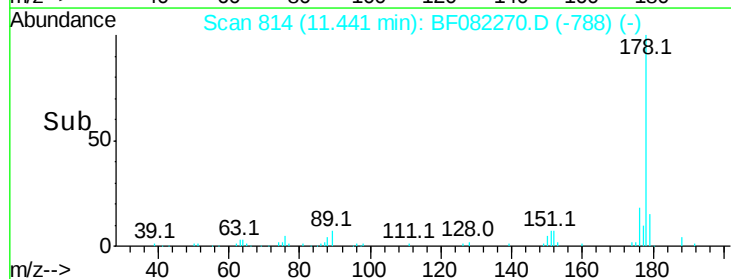
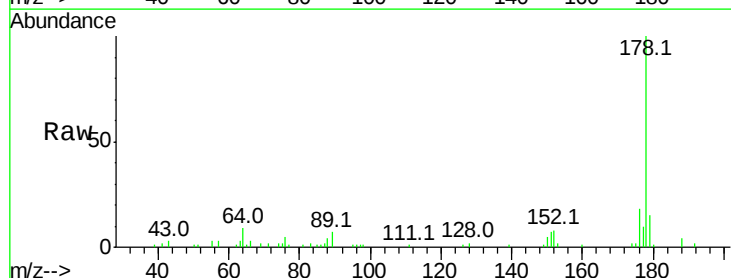
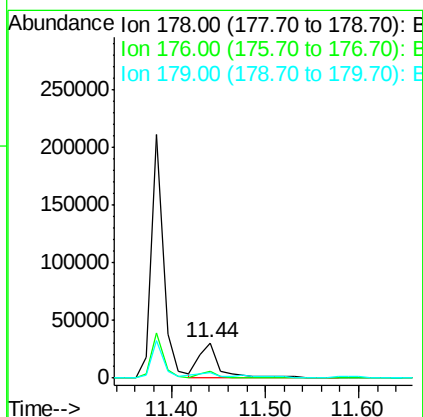
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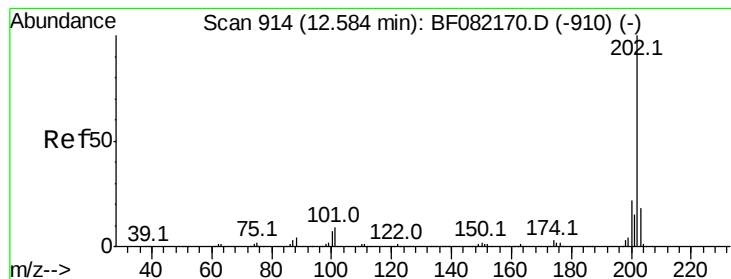
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#71
Anthracene
Concen: 3.32 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.0
179	15.0	12.5	18.7





#74

Fluoranthene

Concen: 19.57 ng

RT: 12.57 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

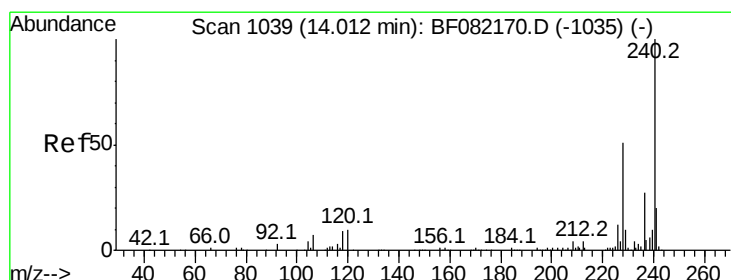
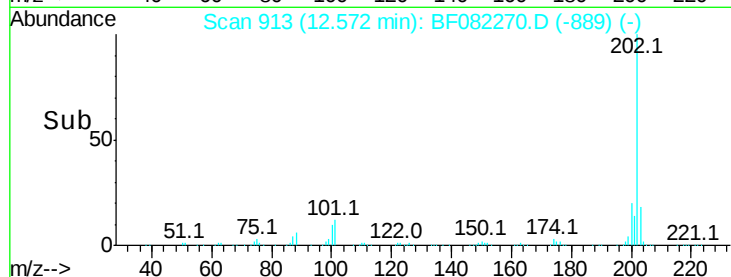
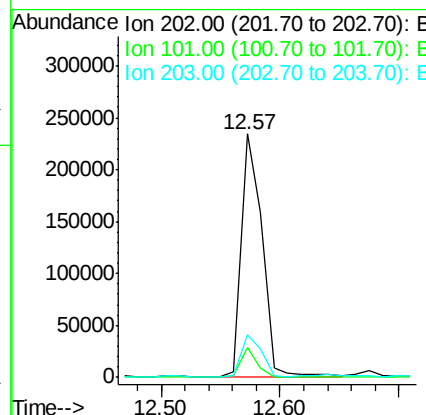
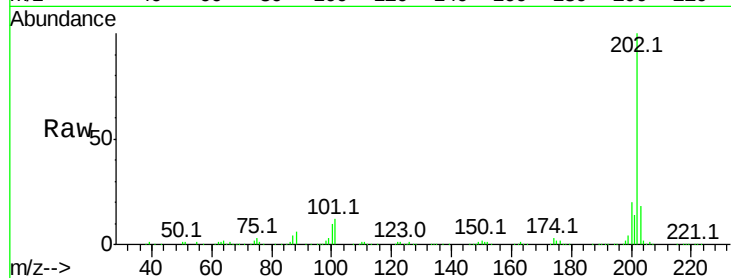
ClientSampleId :

UST-3

Tot Ion:	202	Resp:	286014
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	29.3
203	17.7	0.0	37.8

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

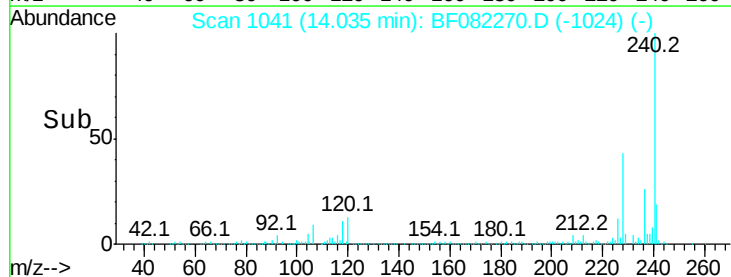
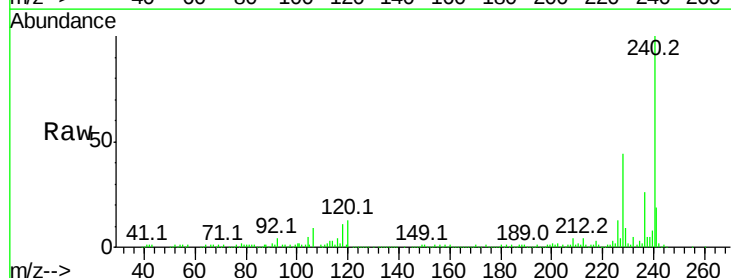
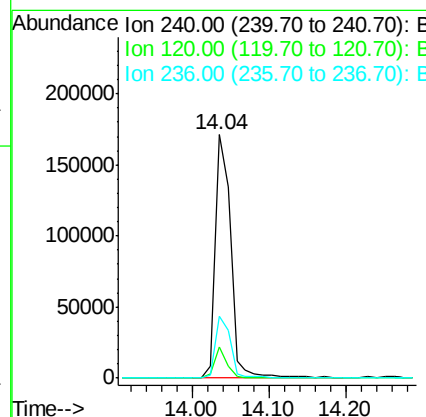
RT: 14.04 min Scan# 1041

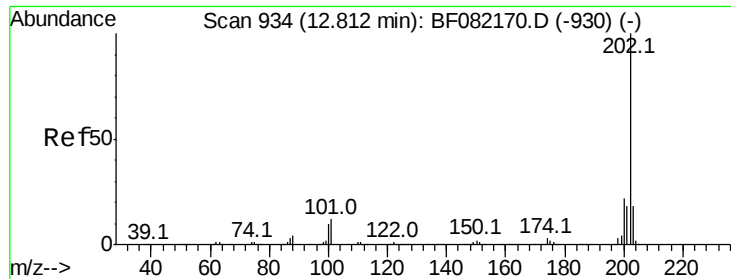
Delta R.T. -0.10 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Tgt Ion:	240	Resp:	237929
Ion Ratio	Lower	Upper	
240	100		
120	12.9	8.1	12.1#
236	25.5	21.3	31.9





#77

Pvrene

Concen: 18.50 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.03 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

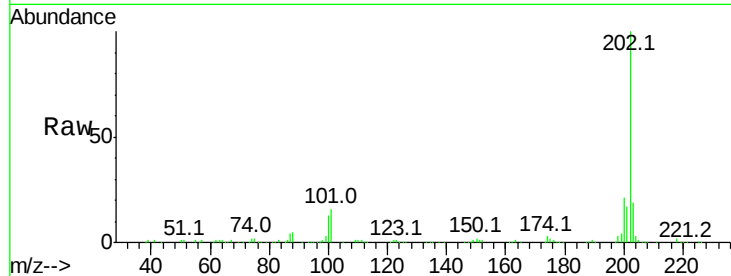
ClientSampleId :

UST-3

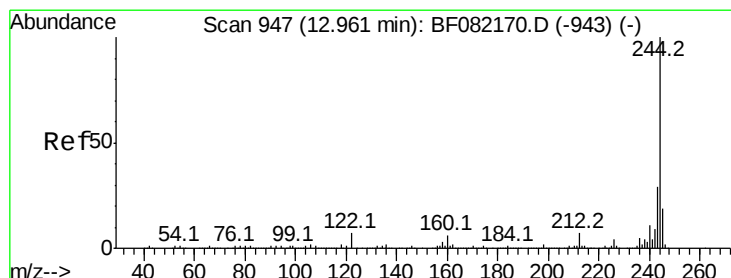
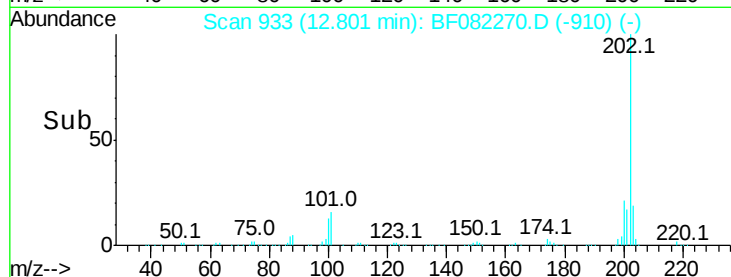
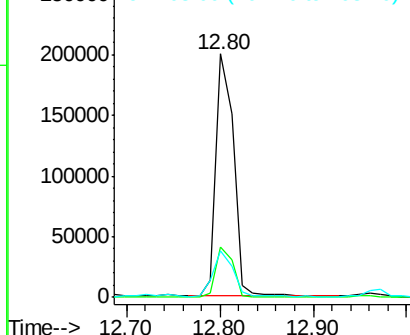
Tot Ion:	202	Resp:	261258
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.9	26.9
203	19.4	14.5	21.7

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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: 74.17 ng

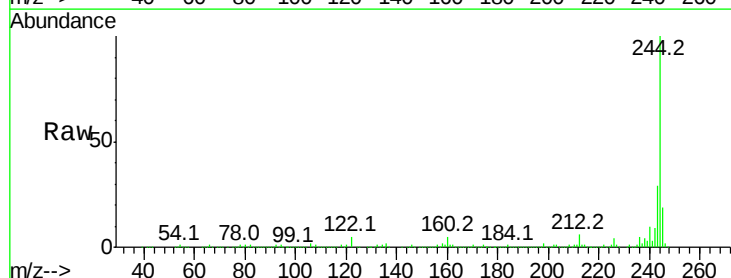
RT: 12.96 min Scan# 947

Delta R.T. -0.02 min

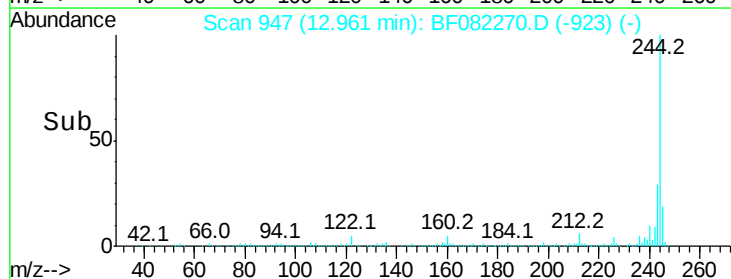
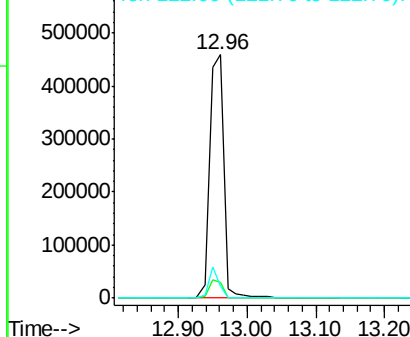
Lab File: BF082270.D

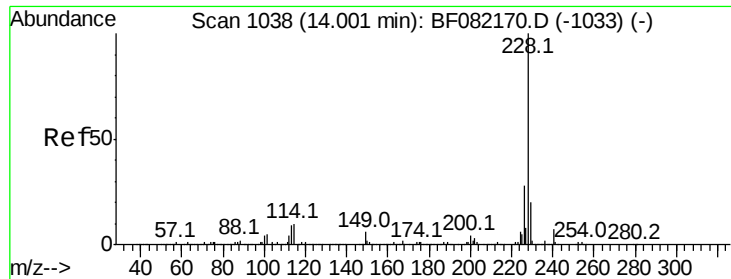
Acq: 13 Oct 2015 22:53

Tgt Ion:	244	Resp:	665949
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.8	8.6
122	5.0	5.9	8.9#



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





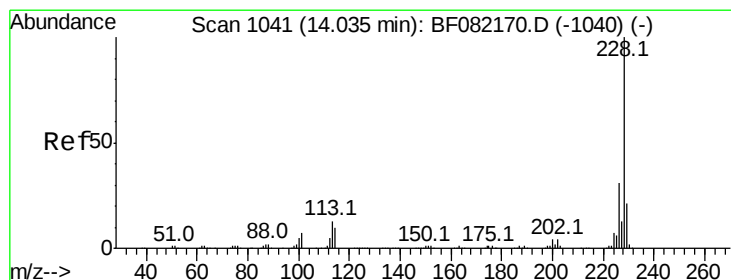
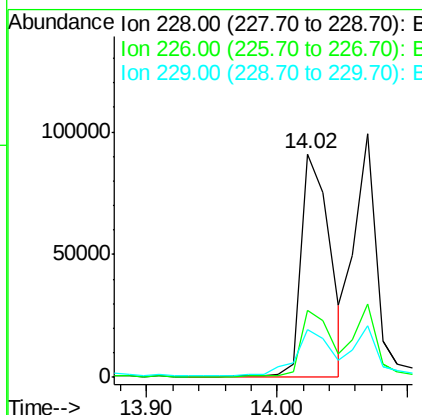
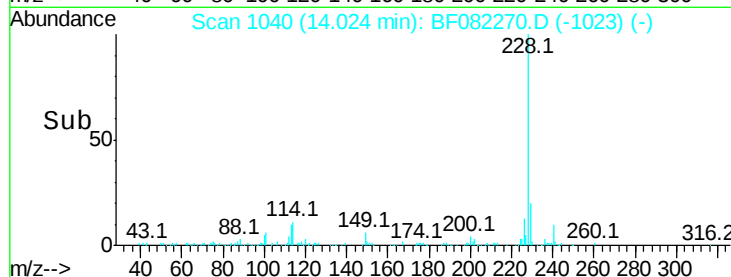
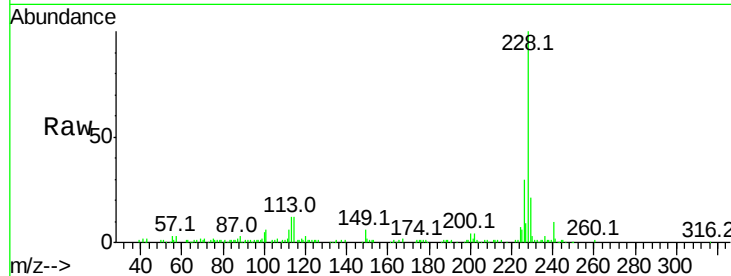
#80
Benzo(a)anthracene
Concen: 11.20 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.10 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Instrument :
BNA_F
ClientSampleId :
UST-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	21.2	16.2	24.2

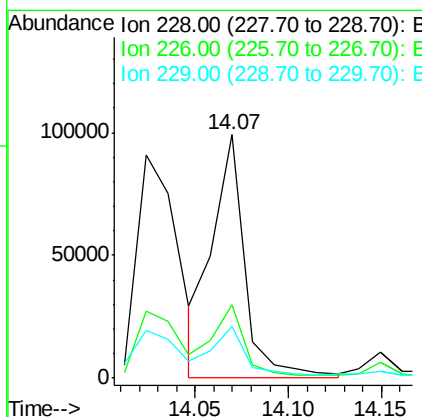
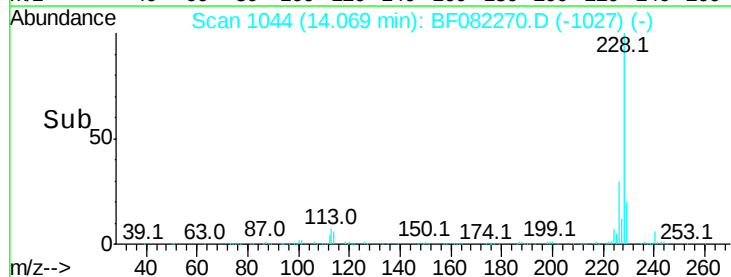
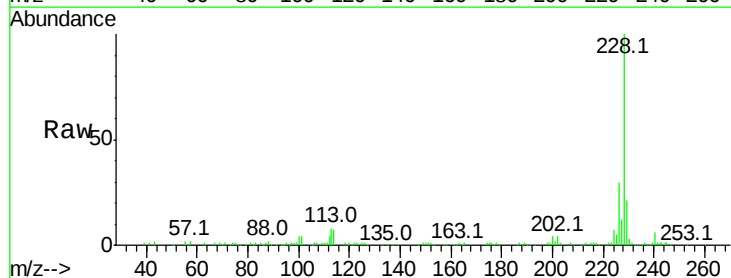
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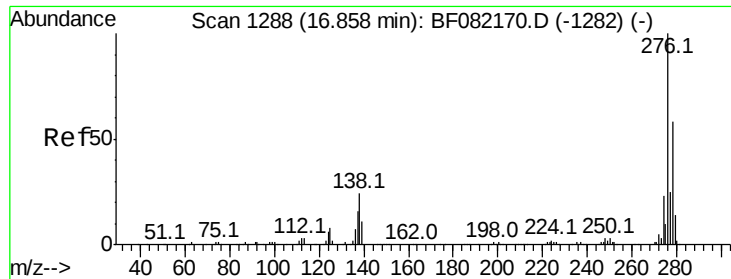
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#82
Chrysene
Concen: 9.18 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.10 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	21.3	16.3	24.5





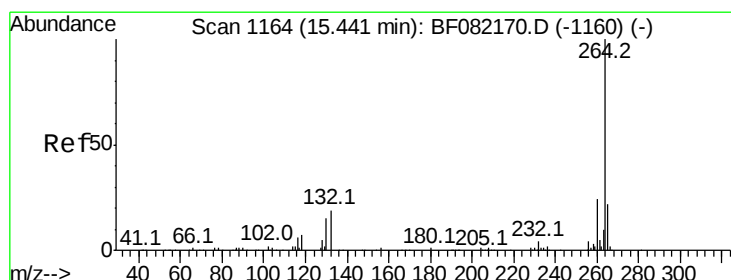
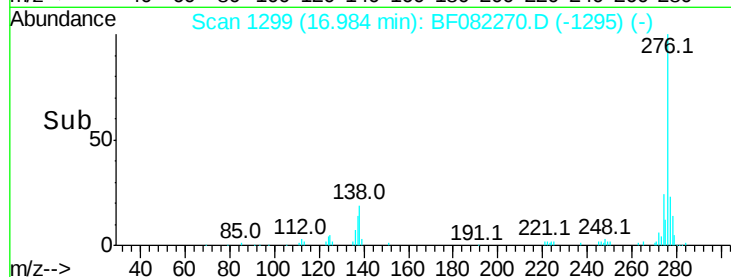
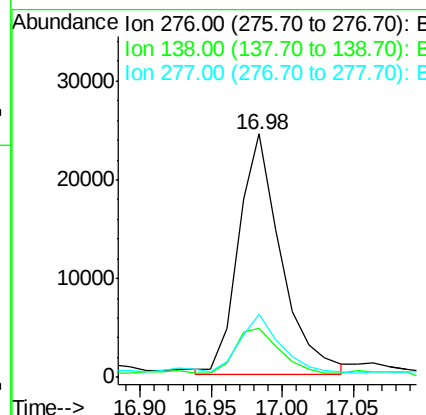
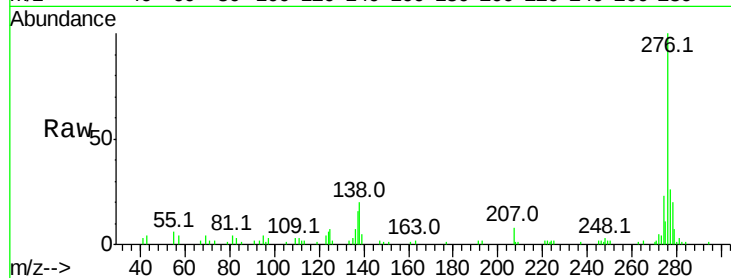
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.88 ng/mL
RT: 16.98 min Scan# 1299
Delta R.T. -0.25 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Instrument :
BNA_F
ClientSampleId :
UST-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.1	19.7	29.5#
277	2.1	20.1	30.1#

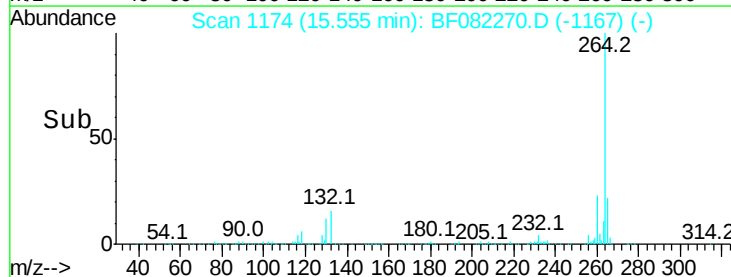
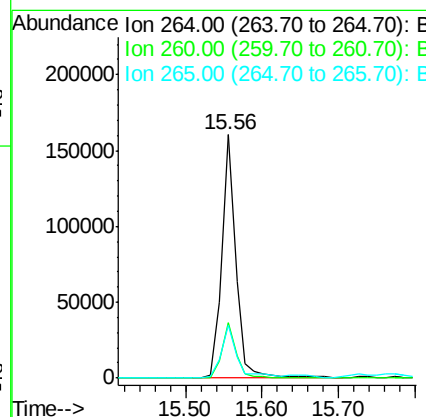
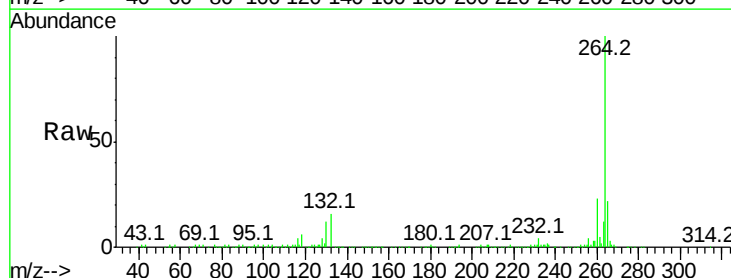
Manual Integrations
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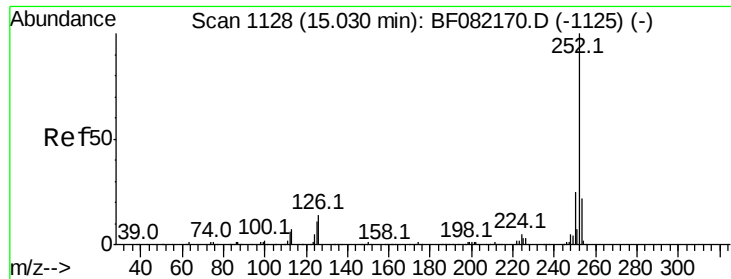
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1174
Delta R.T. -0.22 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.6
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 8.64 ng m

RT: 15.13 min Scan# 1137

Delta R.T. -0.21 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

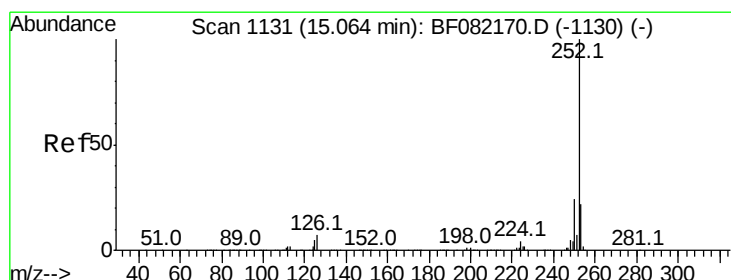
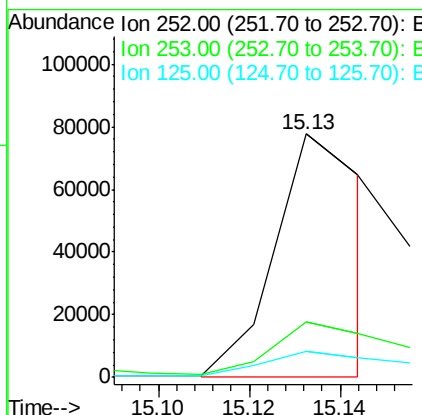
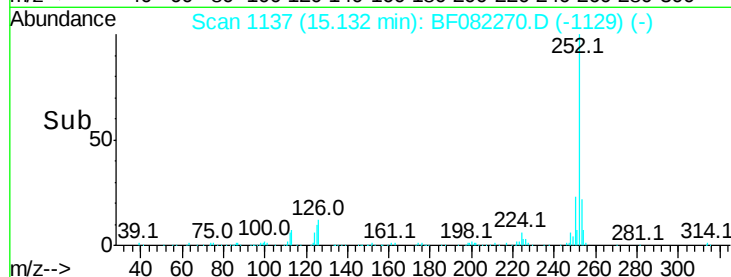
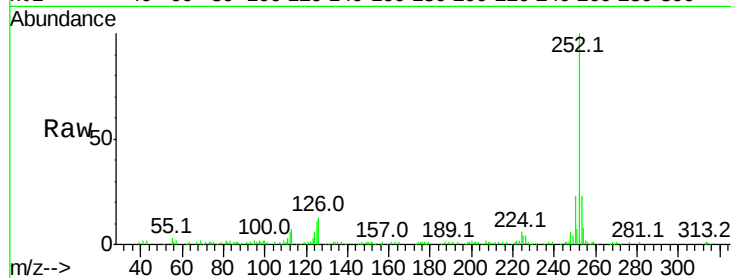
ClientSampleId :

UST-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.7	8.6	12.8

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#88

Benzo(k)fluoranthene

Concen: 5.48 ng m

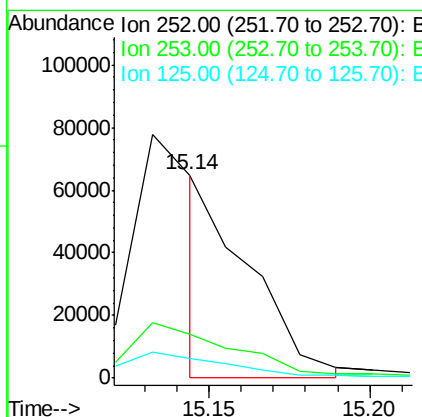
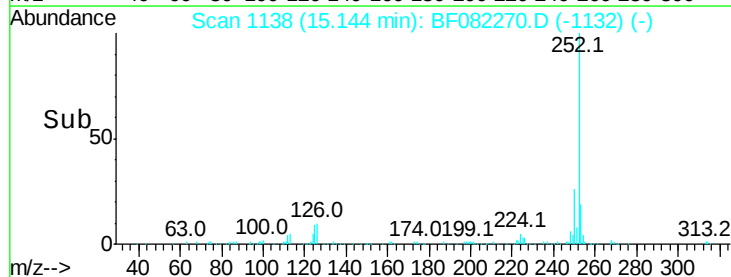
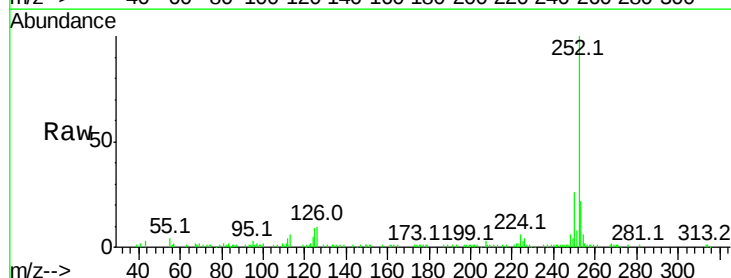
RT: 15.14 min Scan# 1138

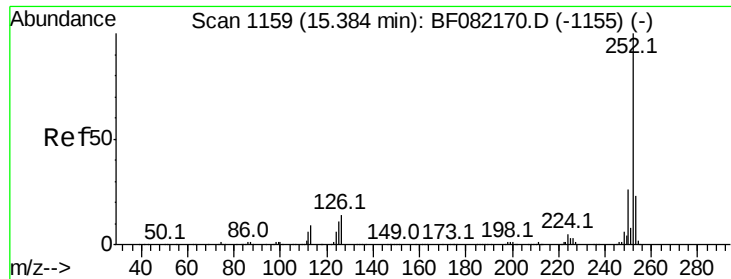
Delta R.T. -0.23 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.5	6.7	10.1





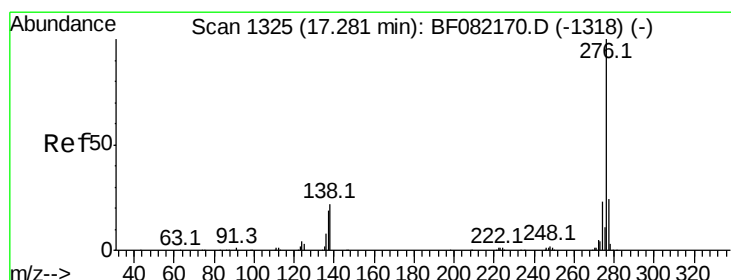
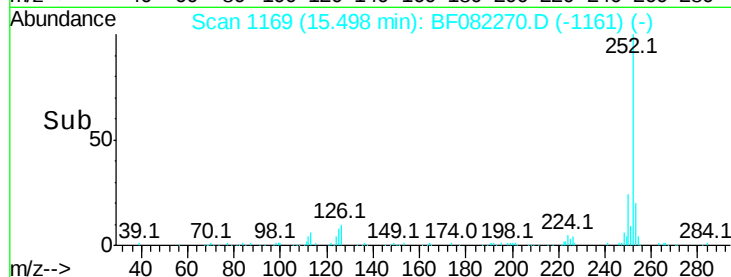
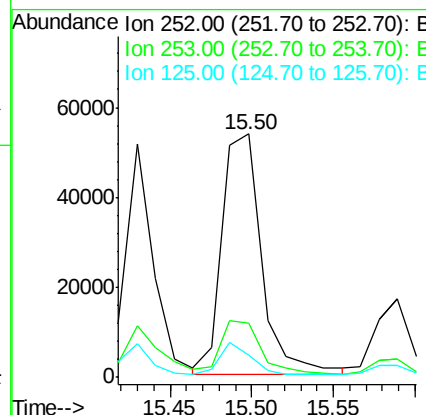
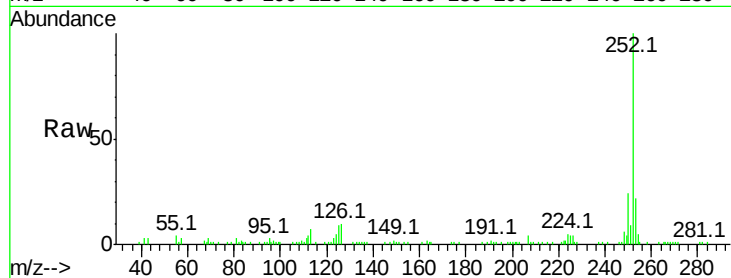
#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.21 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Instrument :
BNA_F
ClientSampleId :
UST-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	8.9	8.9	13.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.96 ng
RT: 17.41 min Scan# 1336
Delta R.T. -0.26 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	25.1	17.4	26.2

