

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083260.D
 Acq On : 25 Nov 2015 2:34
 Operator : UM/IZ
 Sample : G4436-05RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Manual Integrations
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Mmdadoda
 11/25/2015 12:54:49 PM

Quant Time: Nov 25 05:43:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	189628	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	762493	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	375924	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	678092	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	480225	20.00	ng	-0.06
86) Perylene-d12	15.11	264	458702	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1567682	124.99	ng	-0.07
7) Phenol-d6	6.28	99	2374357	146.31	ng	-0.06
23) Nitrobenzene-d5	7.18	82	1540584	92.32	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	414320	107.73	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	1912648	70.95	ng	-0.05
78) Terphenyl-d14	12.71	244	1310186	64.25	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	587645	20.30	ng	98
70) Phenanthrene	11.14	178	515964	13.21	ng	99
71) Anthracene	11.20	178	101763	2.55	ng	97
74) Fluoranthene	12.33	202	900741	22.53	ng	96
77) Pyrene	12.55	202	682028	20.79	ng	99
80) Benzo(a)anthracene	13.74	228	309655m	10.43	ng	
82) Chrysene	13.77	228	315068m	11.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.34	276	181104	7.23	ng	96
87) Benzo(b)fluoranthene	14.74	252	412874m	13.17	ng	
88) Benzo(k)fluoranthene	14.75	252	116362m	4.98	ng	
89) Benzo(a)pyrene	15.05	252	236650	9.15	ng	# 97
91) Benzo(g,h,i)perylene	16.71	276	152229	6.63	ng	96

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

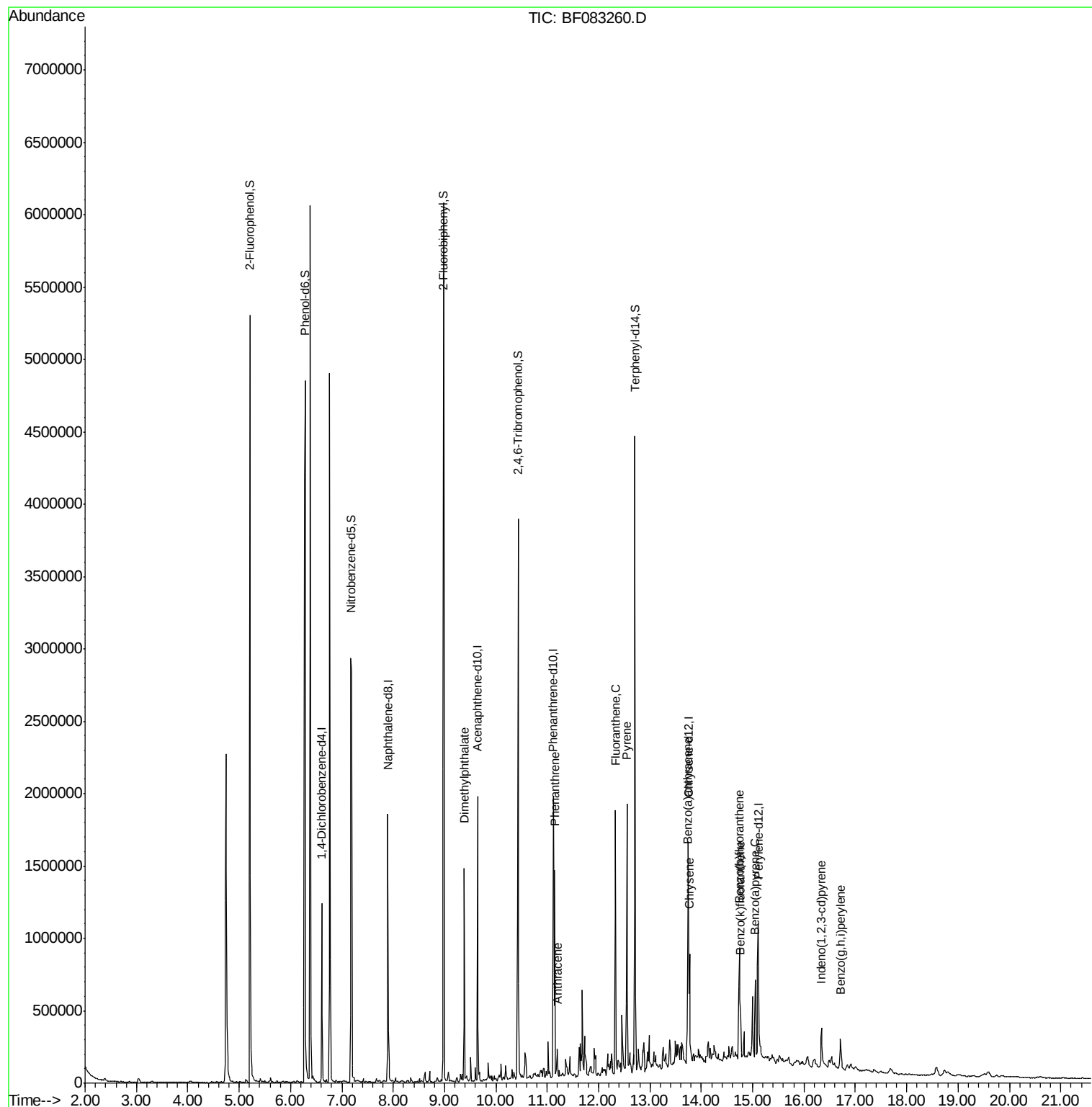
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
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Quant Time: Nov 25 05:43:01 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

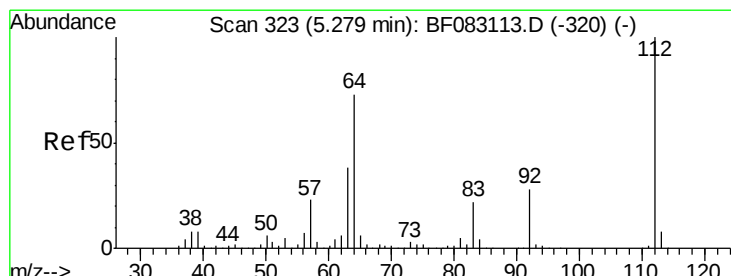
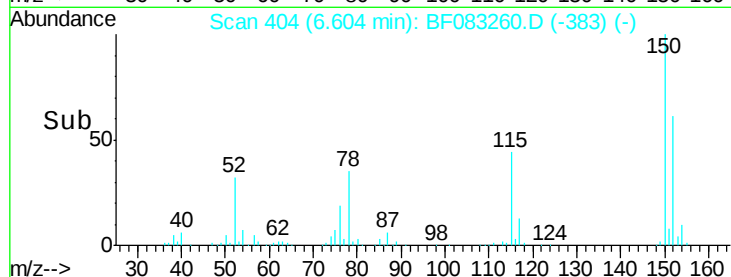
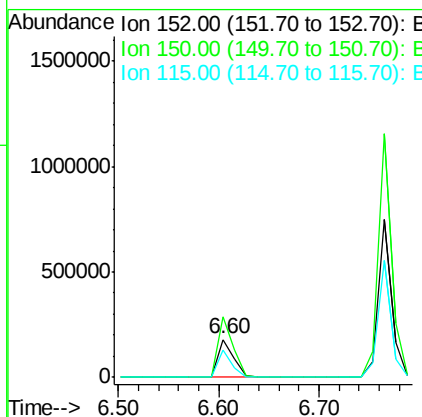
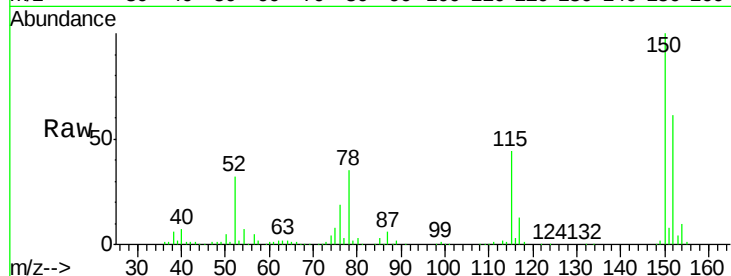
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	189628		
150	163.0	125.8	188.8	
115	72.0	46.9	70.3#	



#5

2-Fluorophenol

Concen: 124.99 ng

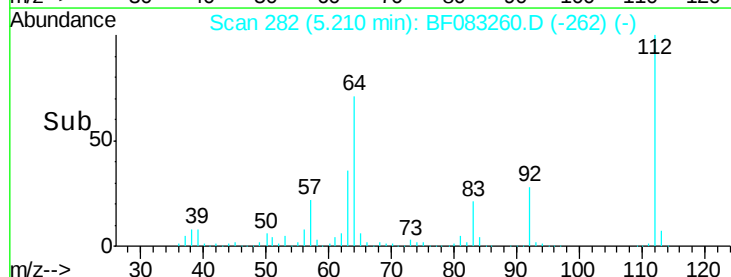
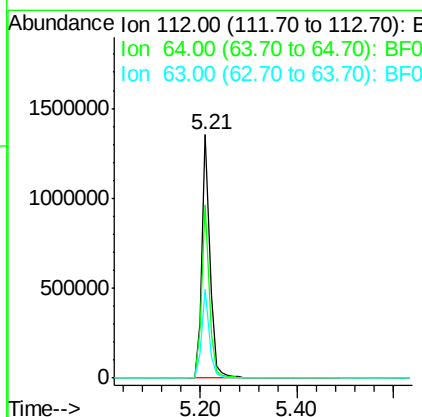
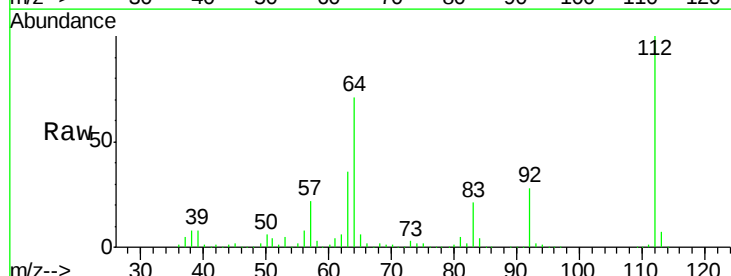
RT: 5.21 min Scan# 282

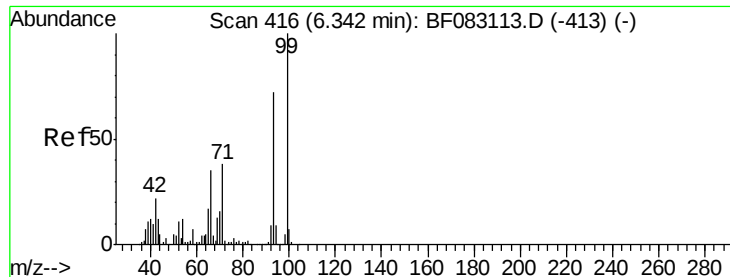
Delta R.T. -0.07 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1567682		
64	71.4	58.4	87.6	
63	36.3	30.0	45.0	





#7

Phenol-d6

Concen: 146.31 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083260.D

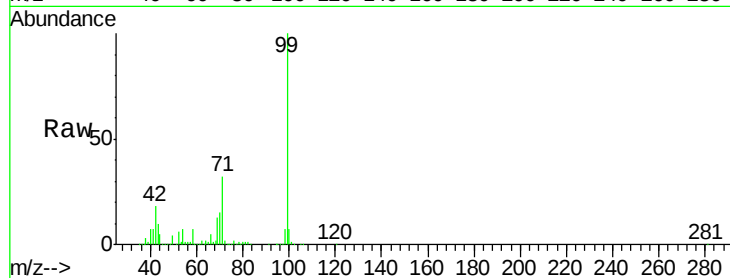
Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE



Tgt Ion: 99 Resp: 2374357

Ion Ratio Lower Upper

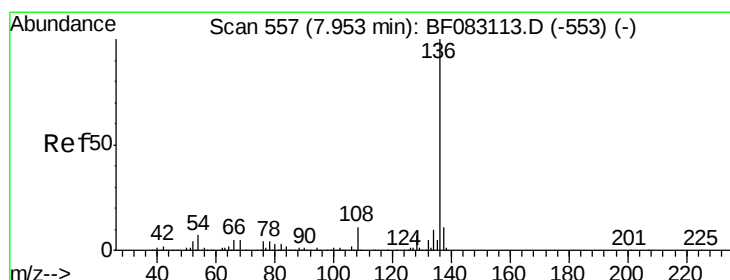
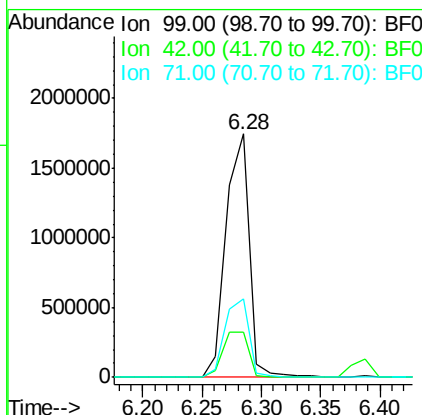
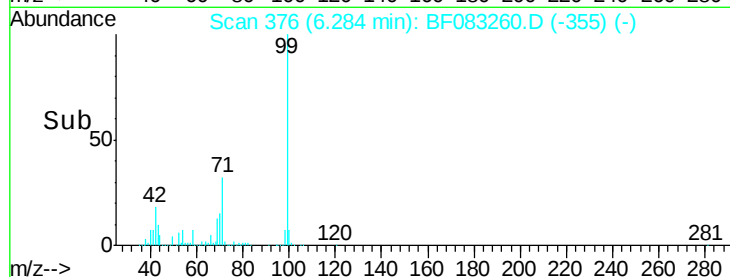
99 100

42 18.3 17.7 26.5

71 32.1 30.2 45.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Tgt Ion: 136 Resp: 762493

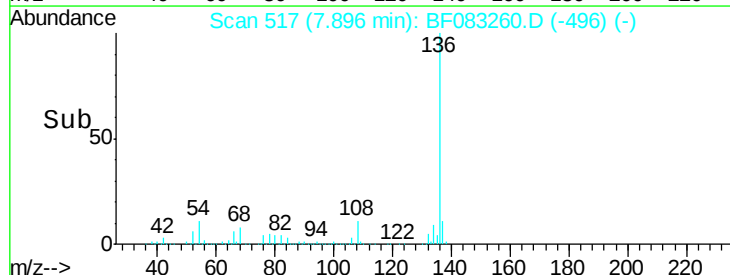
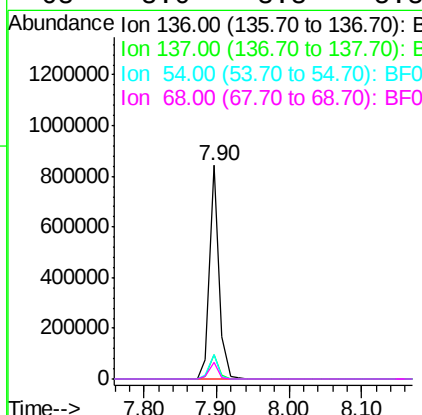
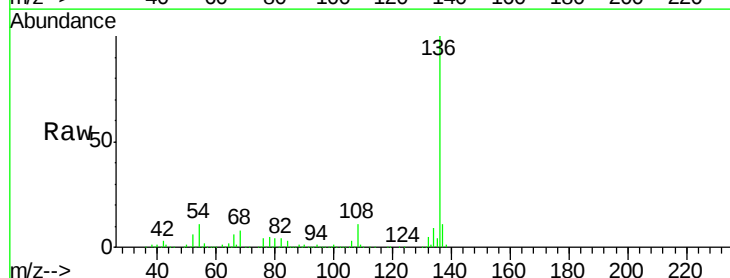
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.3 5.8 8.6#

68 8.0 3.8 5.8#





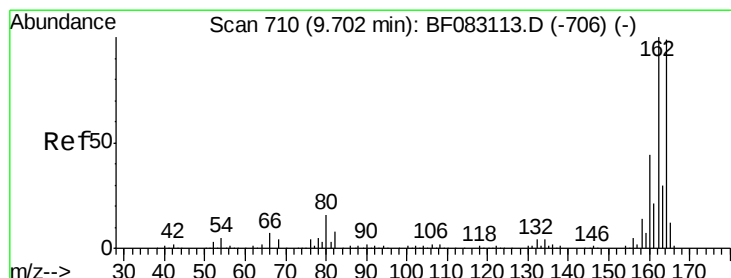
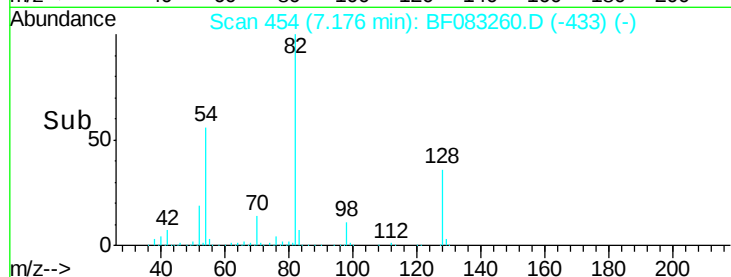
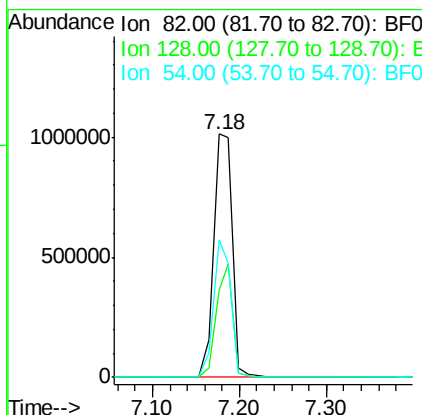
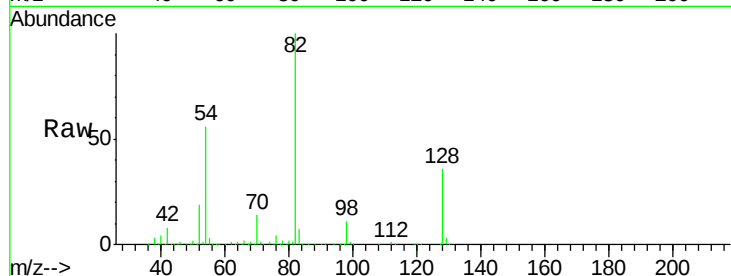
#23
 Nitrobenzene-d5
 Concen: 92.32 ng
 RT: 7.18 min Scan# 454
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Tgt Ion: 82 Resp: 1540584
 Ion Ratio Lower Upper
 82 100
 128 36.1 28.5 42.7
 54 56.5 44.6 67.0

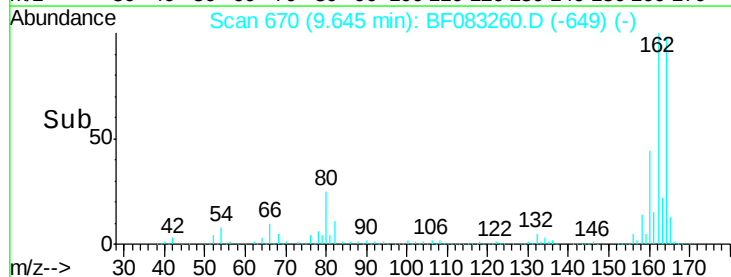
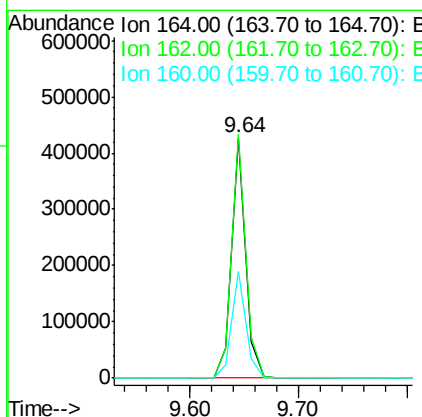
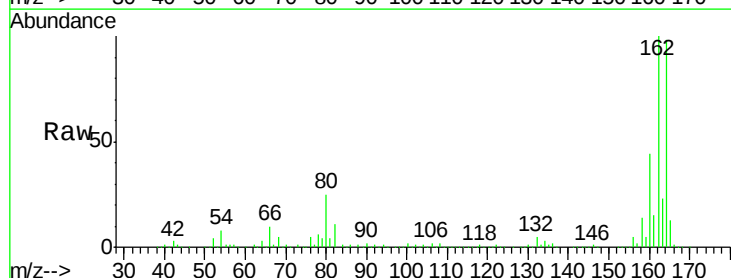
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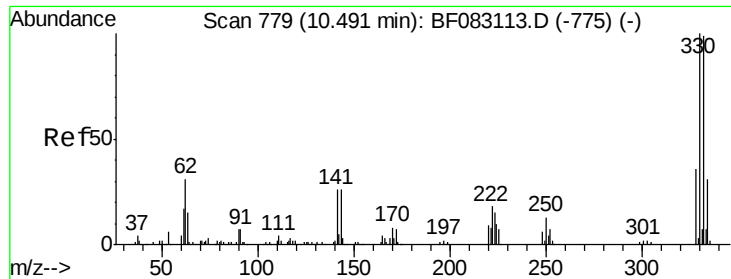
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion: 164 Resp: 375924
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.2 121.8
 160 44.5 35.6 53.4





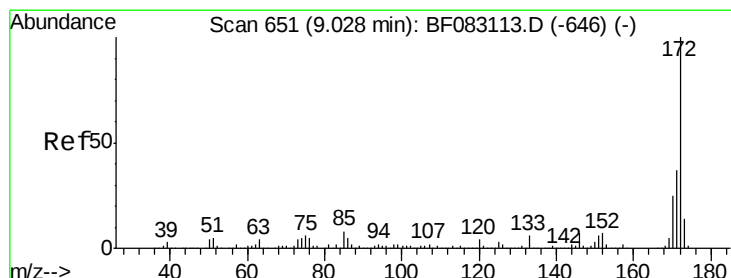
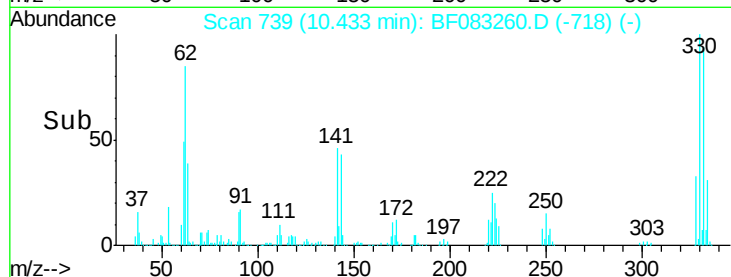
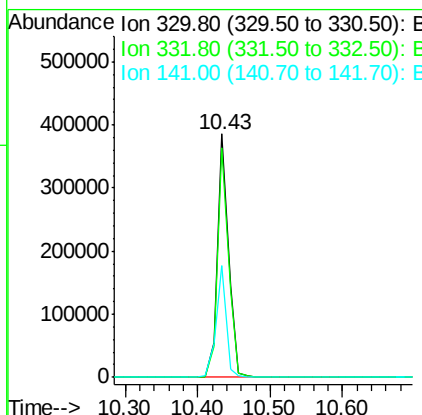
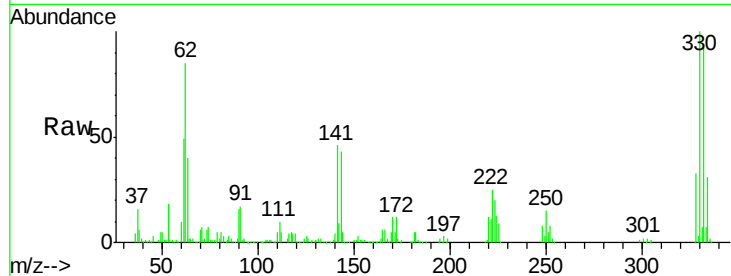
#41
 2,4,6-Tribromophenol
 Concen: 107.73 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.7	116.5
141	41.7	29.7	44.5

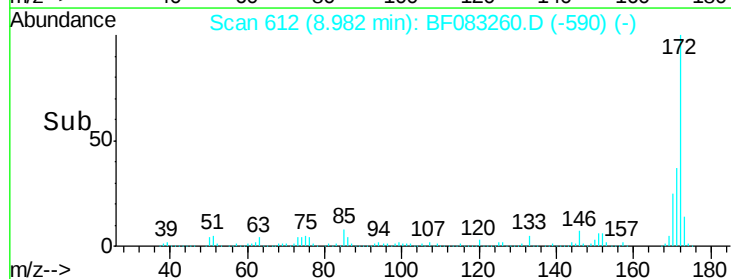
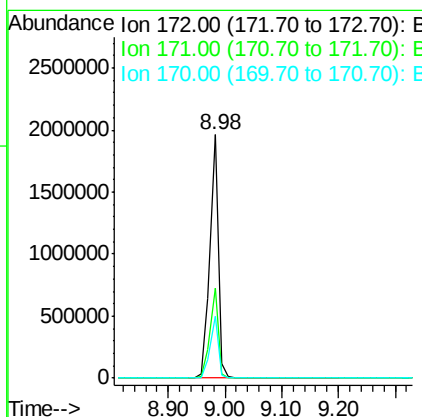
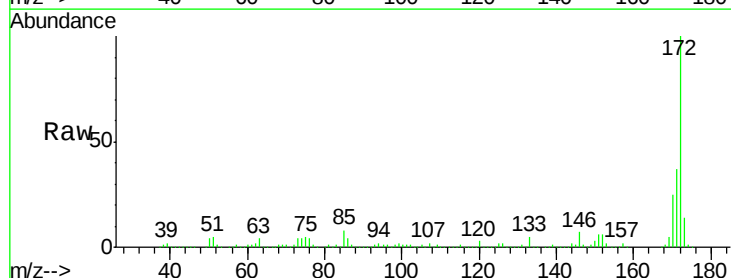
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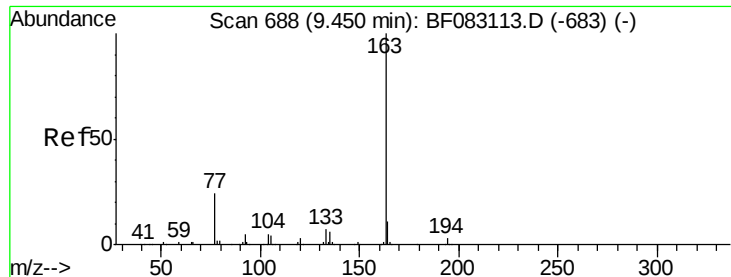
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#44
 2-Fluorobiphenyl
 Concen: 70.95 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.5	44.3
170	25.3	19.9	29.9





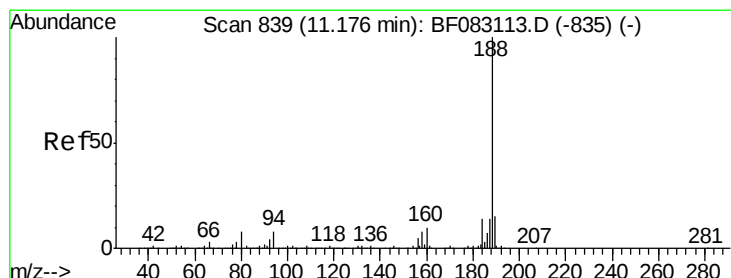
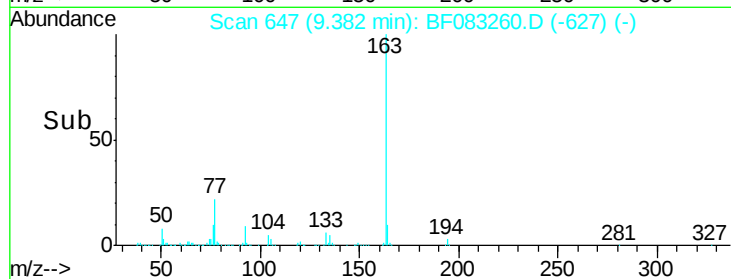
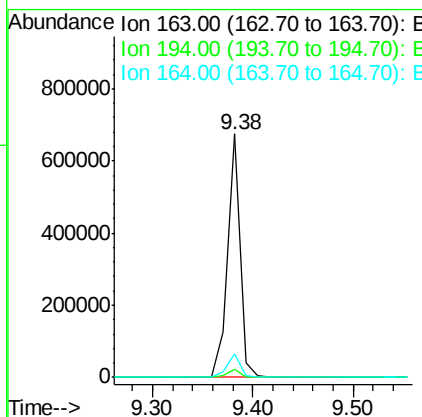
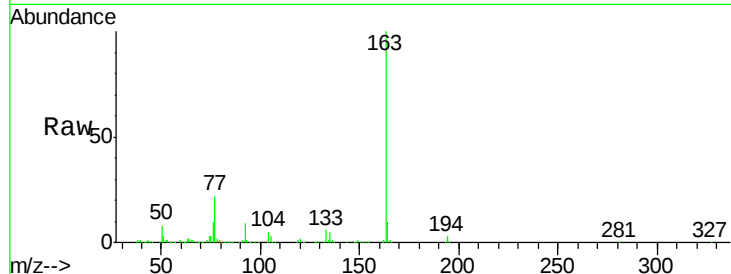
#49
Dimethylphthalate
Concen: 20.30 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :
SS-1579RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	587645		
194	3.5	2.6	4.0	
164	9.8	8.6	12.8	

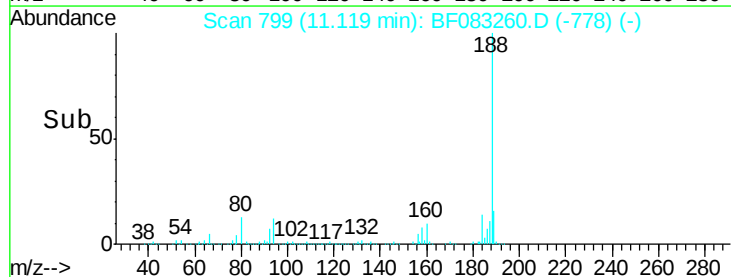
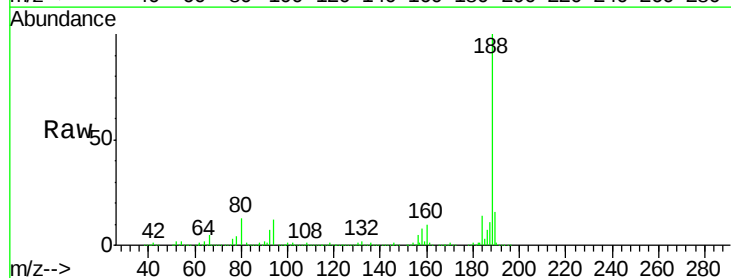
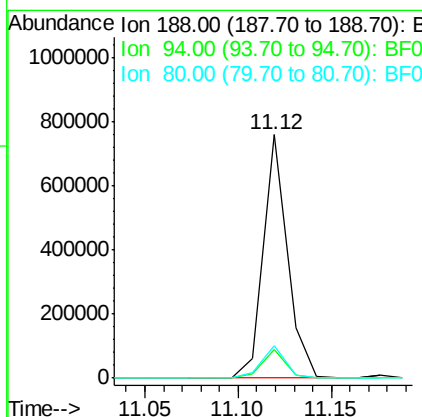
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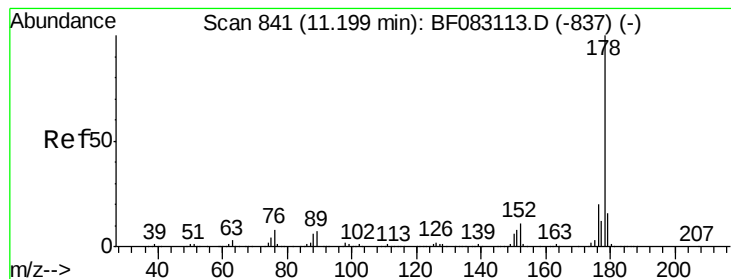
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	678092		
94	11.5	6.0	9.0#	
80	13.3	6.7	10.1#	





#70

Phenanthrene

Concen: 13.21 ng

RT: 11.14 min Scan# 801

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

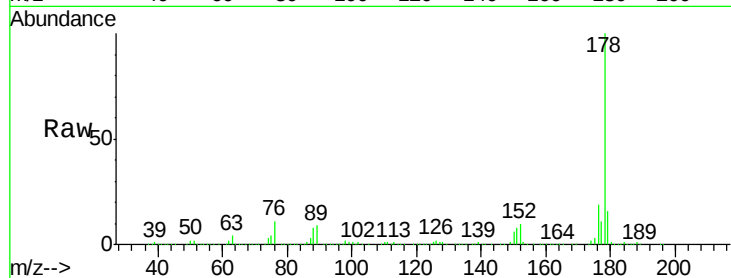
ClientSampleId :

SS-1579RE

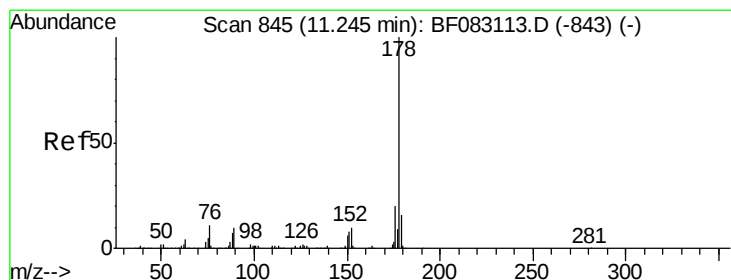
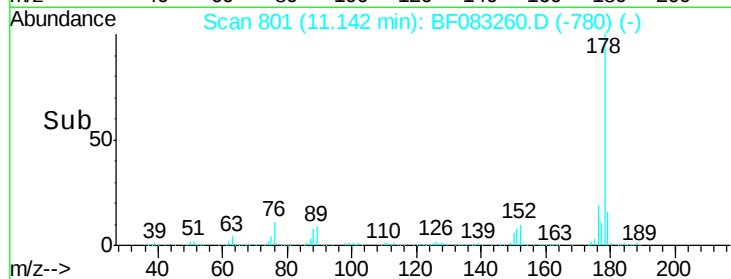
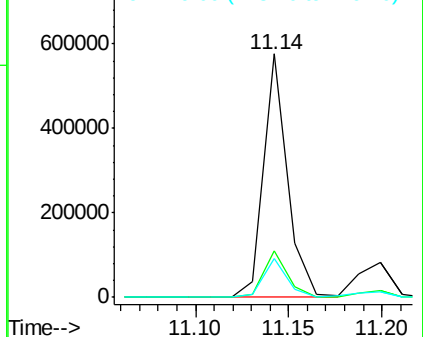
Tgt Ion:	178	Resp:	515964
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.2	24.2
179	15.9	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.55 ng

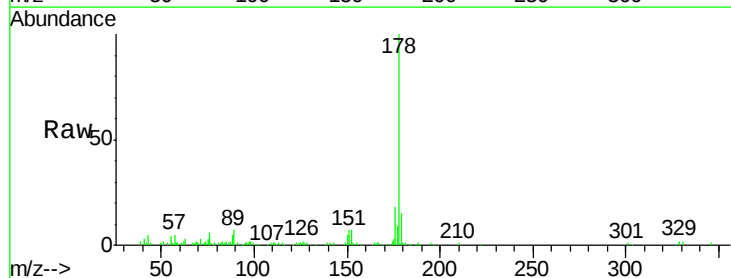
RT: 11.20 min Scan# 806

Delta R.T. -0.05 min

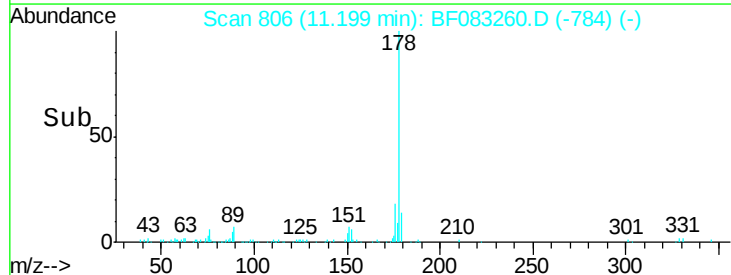
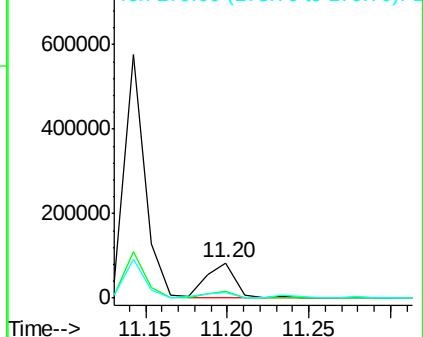
Lab File: BF083260.D

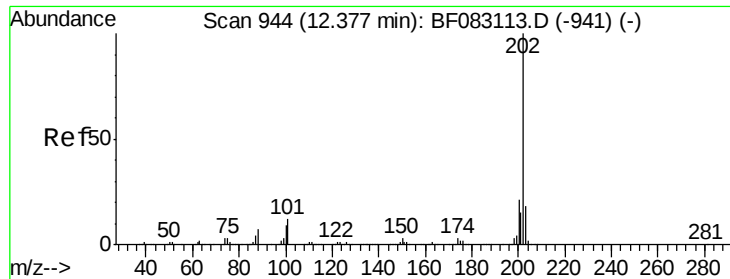
Acq: 25 Nov 2015 2:34

Tgt Ion:	178	Resp:	101763
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.6	23.4
179	14.8	13.2	19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.53 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

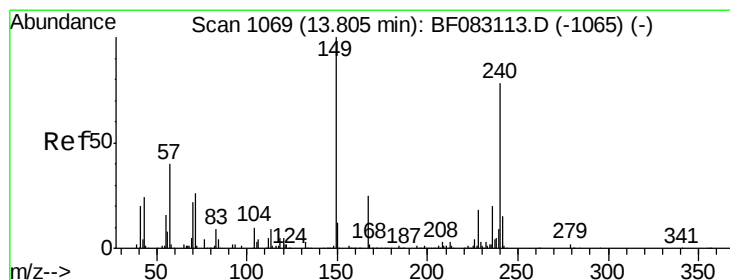
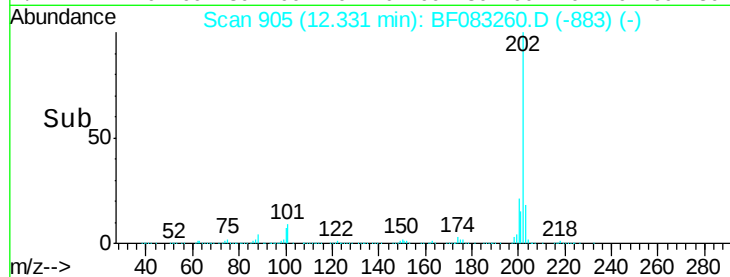
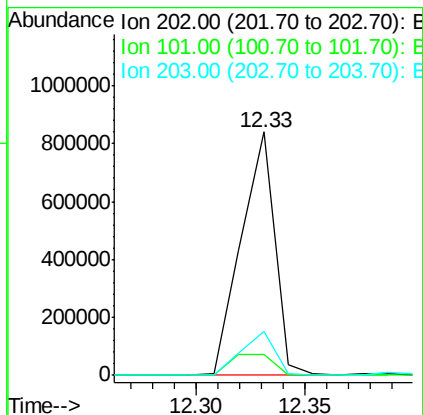
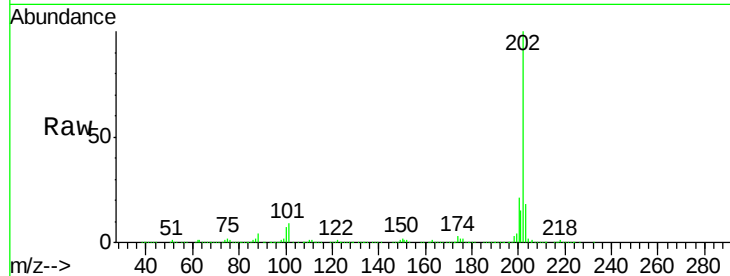
ClientSampleId :

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Tgt	Ion	202	Resp:	900741
Ion	Ratio	100	Lower	Upper
202	100			
101	8.7	0.0	32.3	
203	18.0	0.0	38.4	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

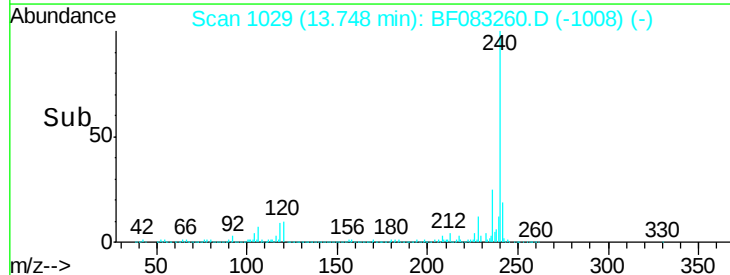
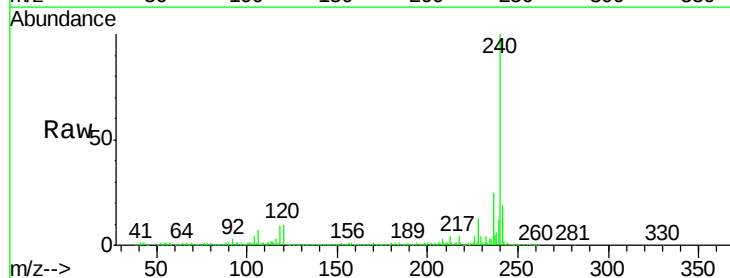
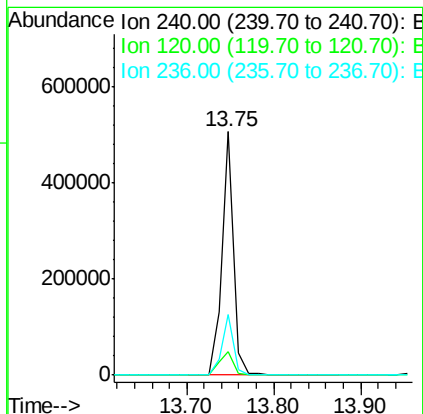
RT: 13.75 min Scan# 1029

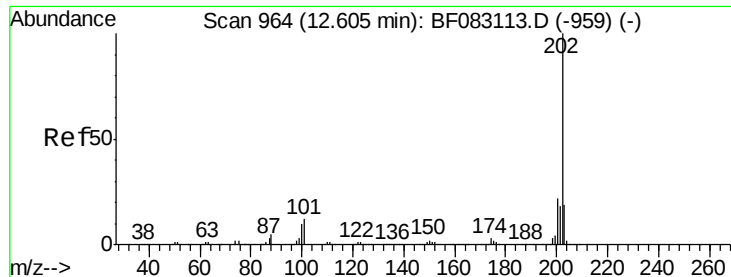
Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Tgt	Ion	240	Resp:	480225
Ion	Ratio	100	Lower	Upper
240	100			
120	9.8	5.4	8.2#	
236	25.1	20.6	31.0	





#77

Pyrene

Concen: 20.79 ng

RT: 12.55 min Scan# 924

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

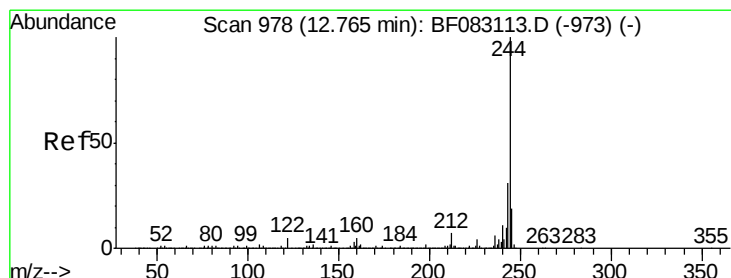
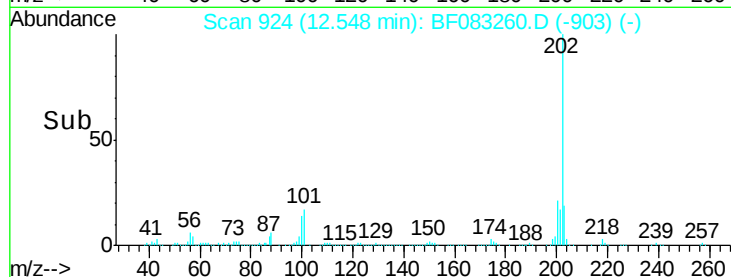
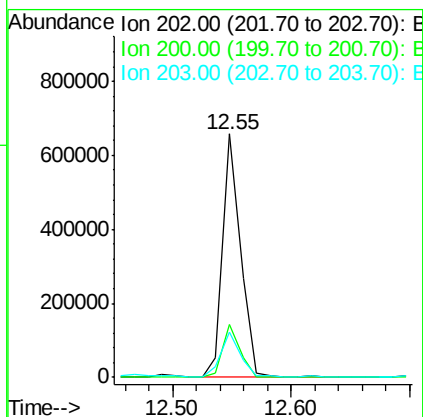
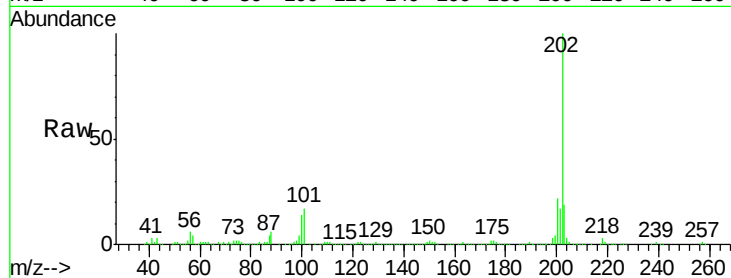
ClientSampleId :

SS-1579RE

Tgt Ion:	202	Resp:	682028
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.8	26.6
203	18.8	15.0	22.4

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#78

Terphenyl-d14

Concen: 64.25 ng

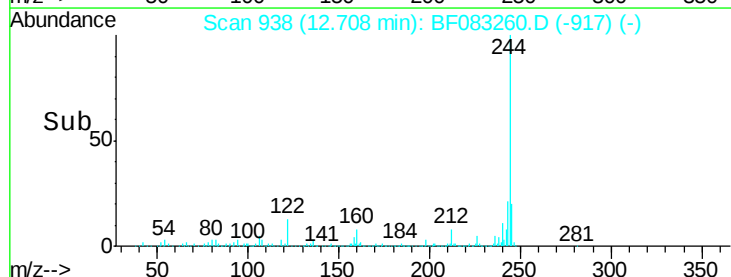
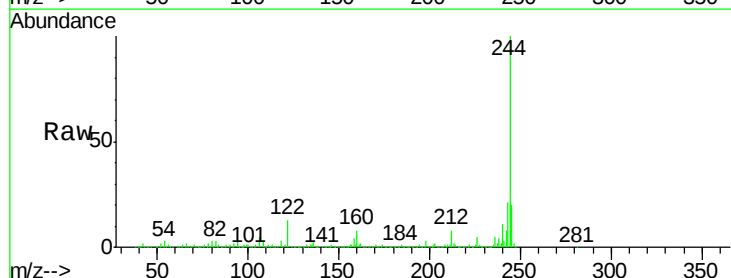
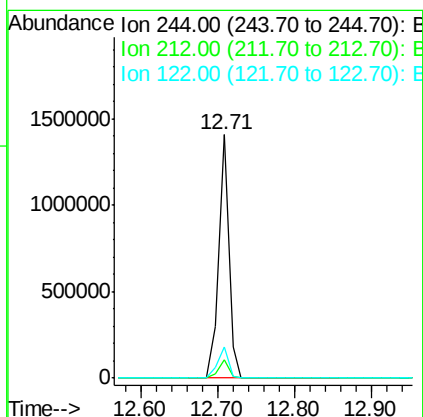
RT: 12.71 min Scan# 938

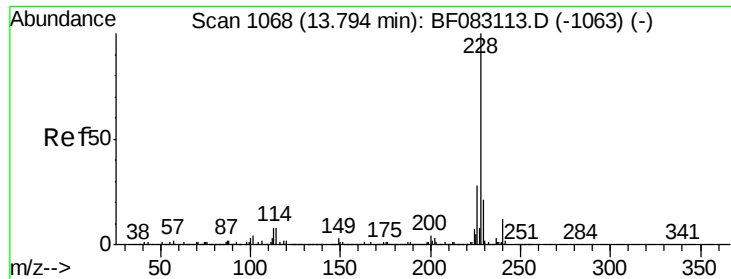
Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Tgt Ion:	244	Resp:	1310186
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.2
122	12.7	4.3	6.5#





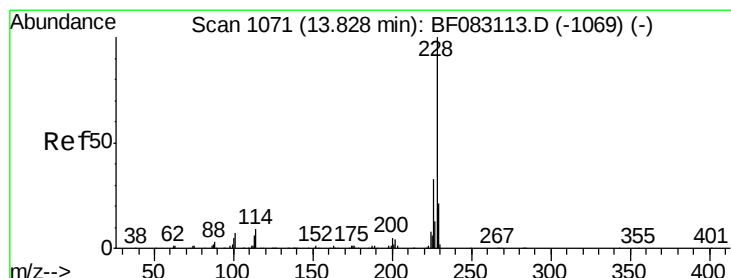
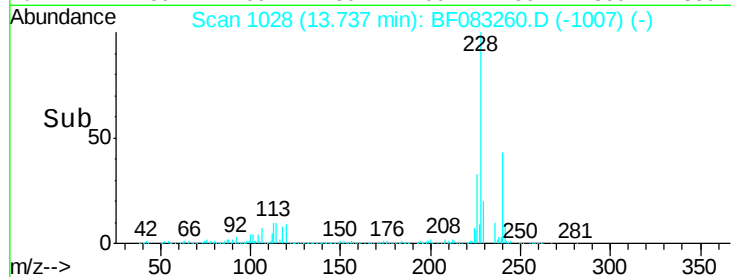
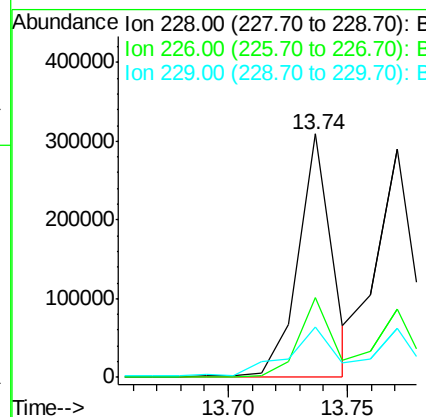
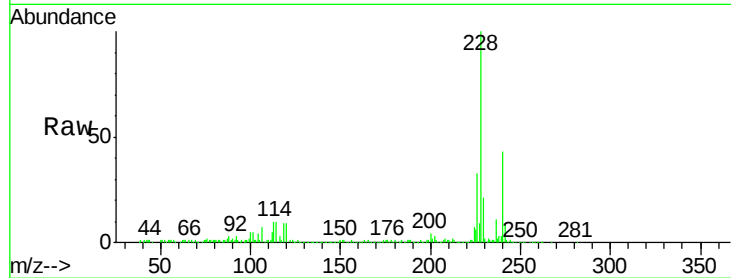
#80
Benzo(a)anthracene
Concen: 10.43 ng m
RT: 13.74 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :
SS-1579RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	20.9	16.6	24.8

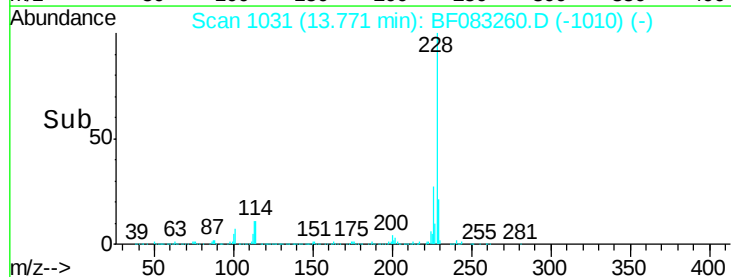
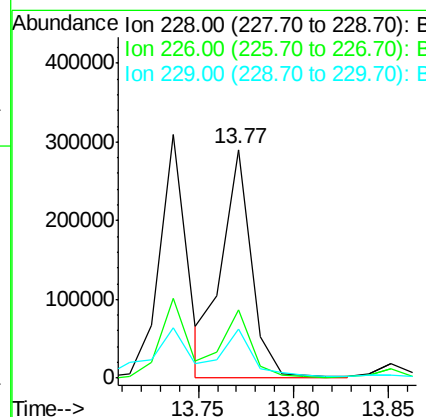
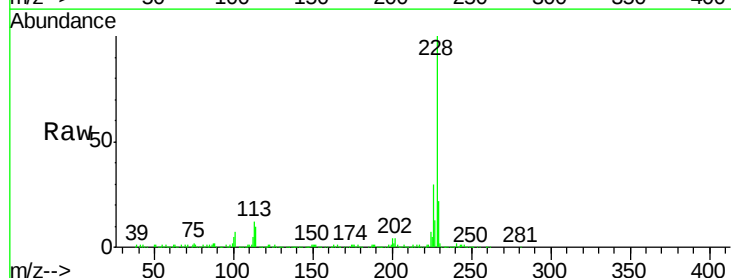
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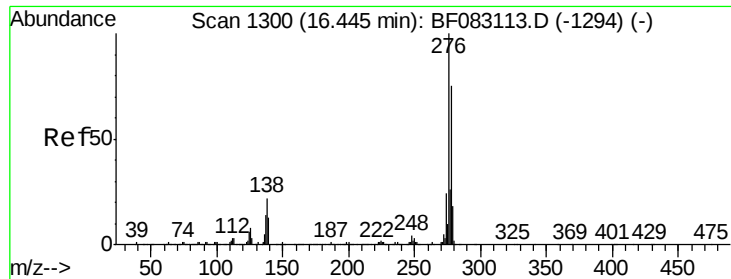
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#82
Chrysene
Concen: 11.44 ng m
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.5	38.3
229	21.6	16.6	25.0





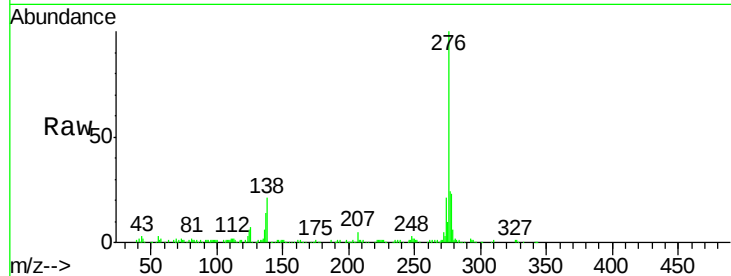
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.23 ng
 RT: 16.34 min Scan# 1256
 Delta R.T. -0.10 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

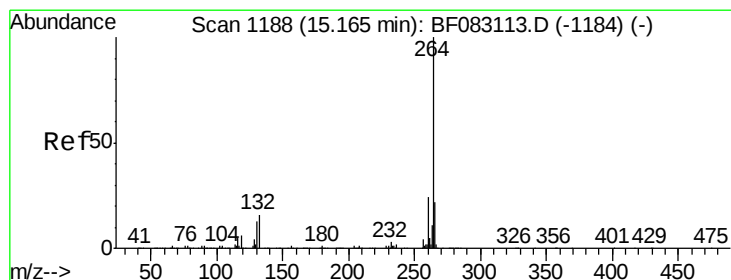
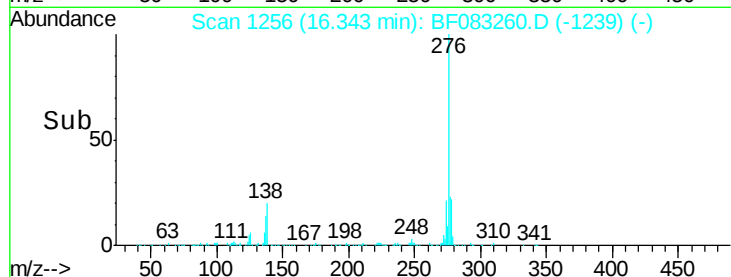
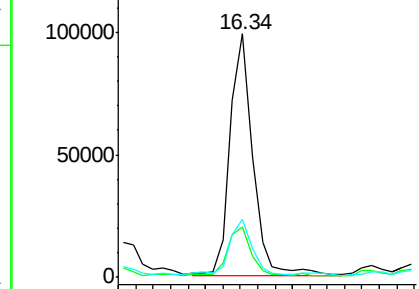
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	181104		
138	20.3	18.0	27.0	
277	23.6	20.2	30.4	

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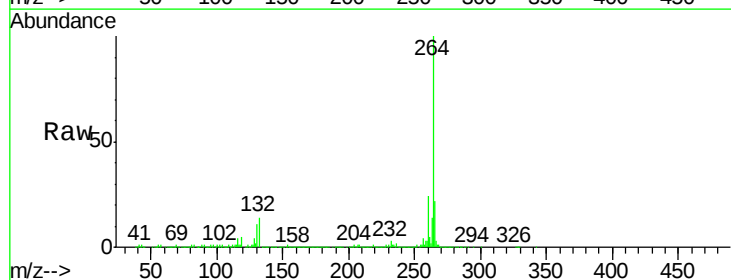


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

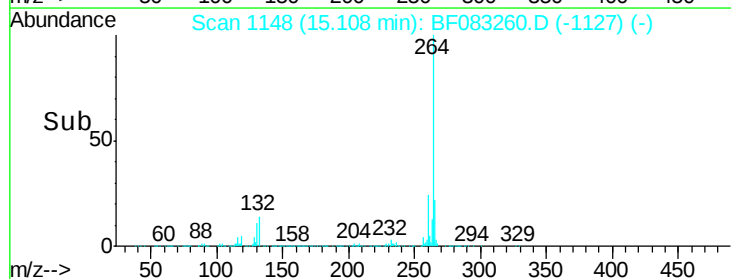
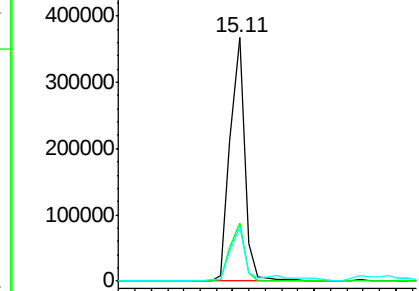


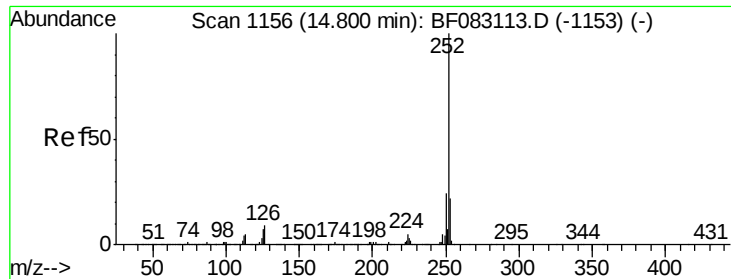
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1148
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	458702		
260	24.1	19.1	28.7	
265	22.4	18.2	27.4	



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





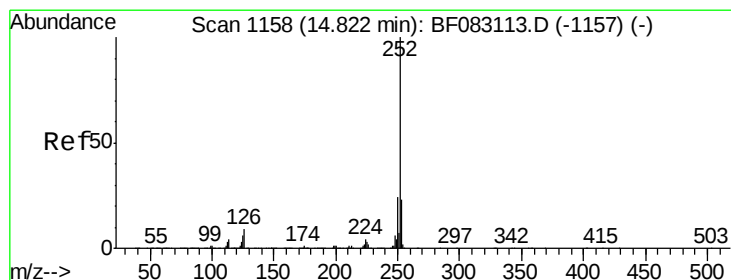
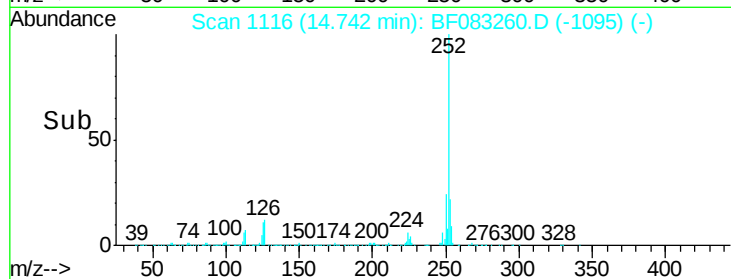
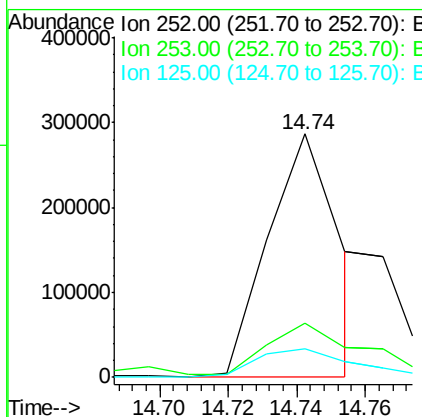
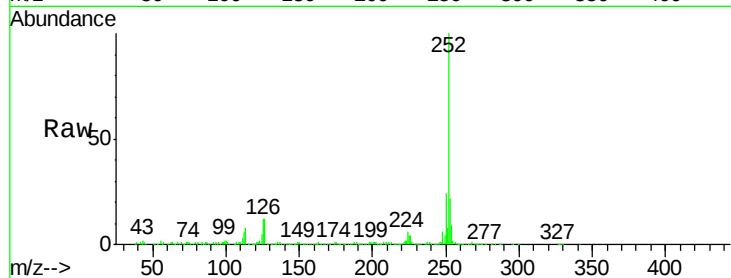
#87
Benzo(b)fluoranthene
Concen: 13.17 ng m
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :
SS-1579RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	11.5	5.6	8.4#

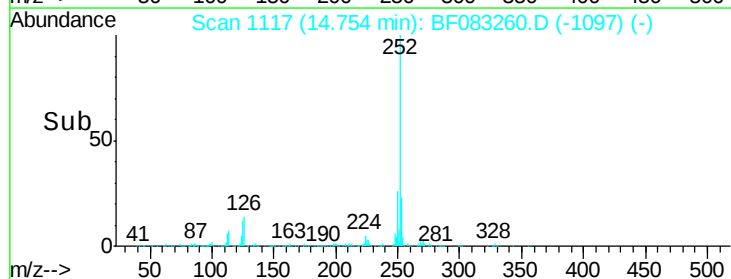
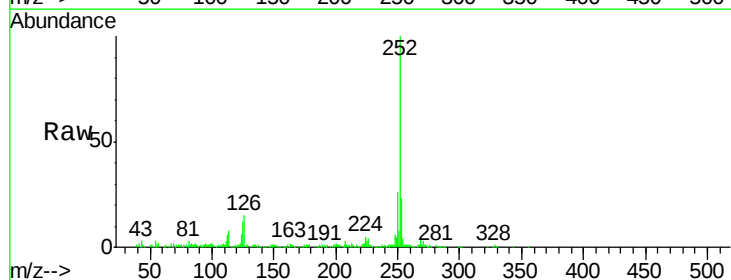
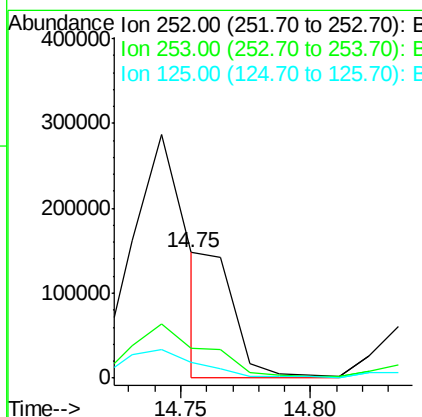
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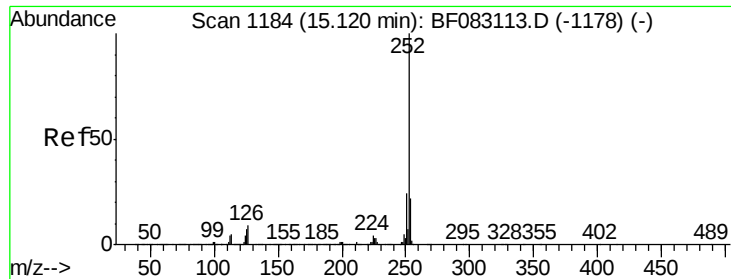
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#88
Benzo(k)fluoranthene
Concen: 4.98 ng m
RT: 14.75 min Scan# 1117
Delta R.T. -0.07 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	12.2	6.8	10.2#





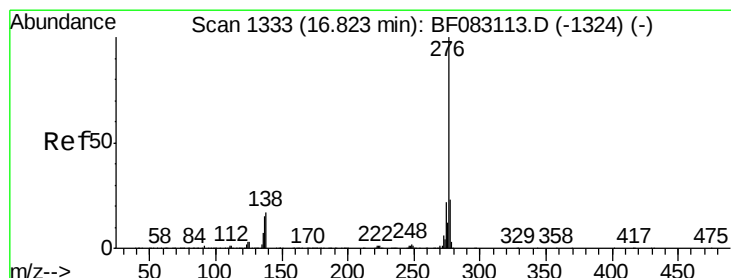
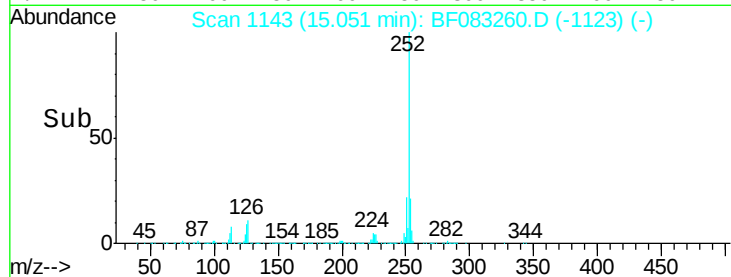
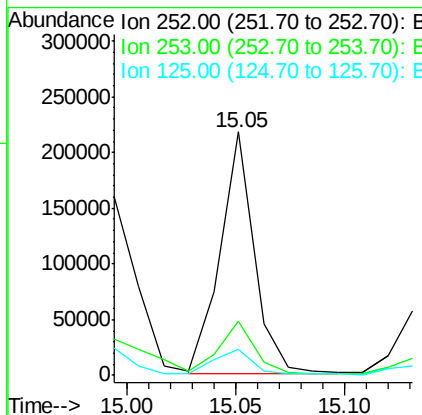
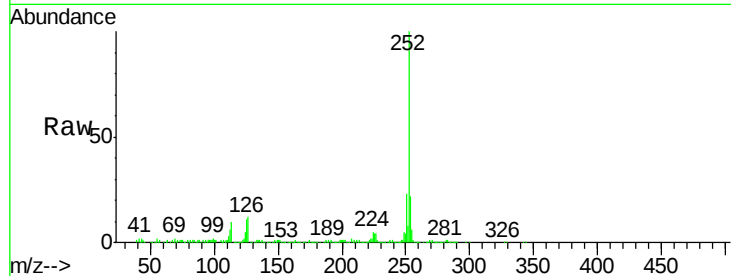
#89
Benzo(a)pyrene
Concen: 9.15 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :
SS-1579RE

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.6	5.4	8.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.63 ng
RT: 16.71 min Scan# 1288
Delta R.T. -0.11 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	22.9	18.7	28.1
138	20.7	13.9	20.9

