

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084560.D
 Acq On : 19 Jan 2016 18:56
 Operator : SJ/UM
 Sample : H1169-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)

Manual Integrations
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Quant Time: Jan 20 03:43:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	223019	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	844672	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	416050	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	641275	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	460820	20.00	ng	-0.05
86) Perylene-d12	15.36	264	436314	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1520317	110.26	ng	-0.03
7) Phenol-d6	6.44	99	1908775	110.23	ng	-0.03
23) Nitrobenzene-d5	7.36	82	1204893	79.39	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	432858	103.05	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1792826	75.07	ng	-0.03
78) Terphenyl-d14	12.90	244	1149605	55.69	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.10	128	98410m	2.57	ng	
37) 2-Methylnaphthalene	8.80	142	82861	3.01	ng	98
49) Dimethylphthalate	9.55	163	362242	12.18	ng	# 91
70) Phenanthrene	11.33	178	133753	3.99	ng	98
74) Fluoranthene	12.52	202	370156	10.56	ng	99
77) Pyrene	12.75	202	348416	9.63	ng	99
80) Benzo(a)anthracene	13.94	228	179842	6.65	ng	# 92
82) Chrysene	13.97	228	190941m	7.34	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	105052	5.10	ng	98
87) Benzo(b)fluoranthene	14.96	252	228158m	7.99	ng	
88) Benzo(k)fluoranthene	14.97	252	105522m	4.52	ng	
89) Benzo(a)pyrene	15.30	252	147863	6.11	ng	# 94
91) Benzo(a,h,i)perylene	17.12	276	95432	4.42	ng	100

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

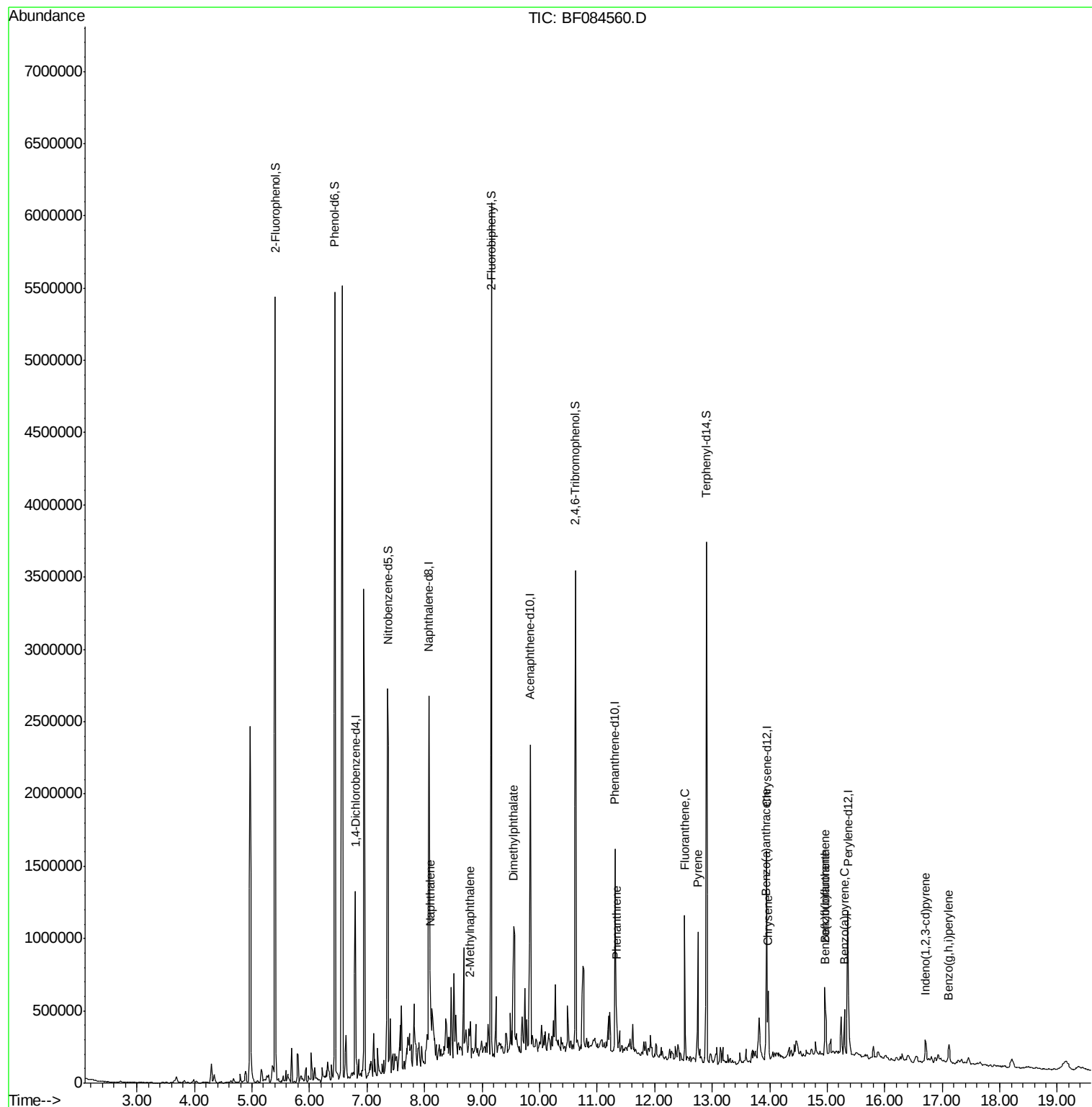
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
Data File : BF084560.D
Acq On : 19 Jan 2016 18:56
Operator : SJ/UM
Sample : H1169-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

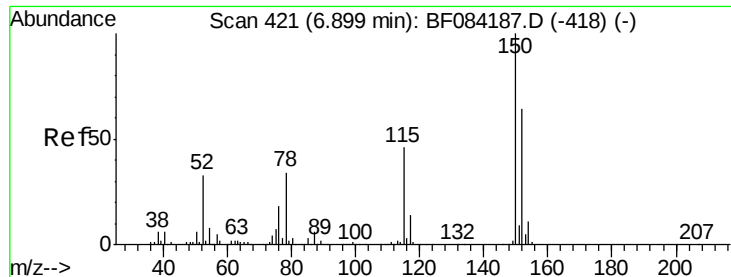
Instrument :
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ClientSampleId :
SP-005(0-2)

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Quant Time: Jan 20 03:43:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

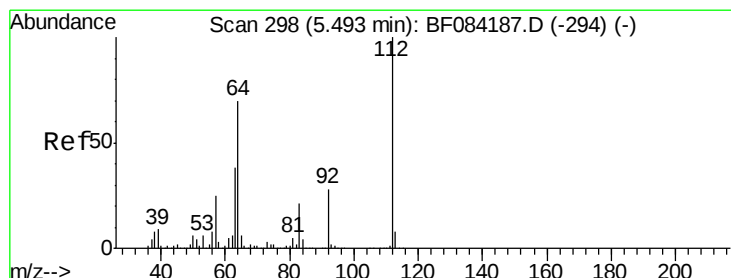
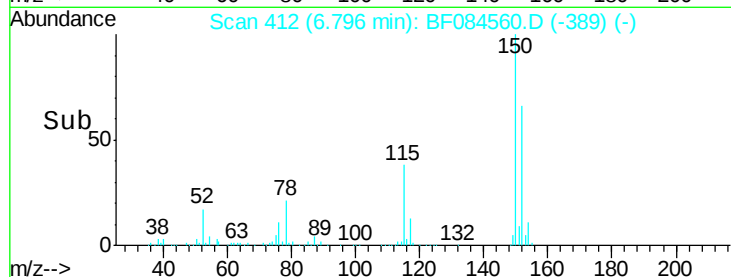
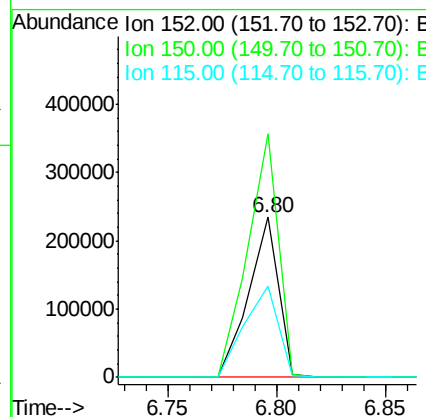
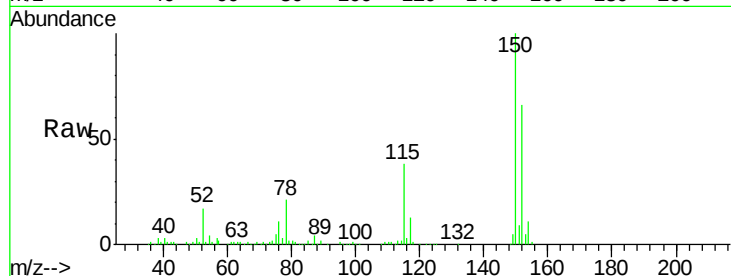
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.03 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	123.0	184.4
115	57.0	51.4	77.2

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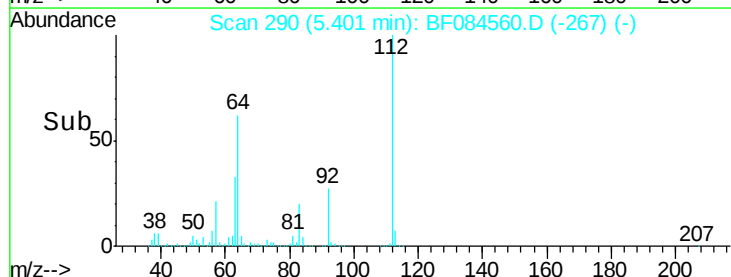
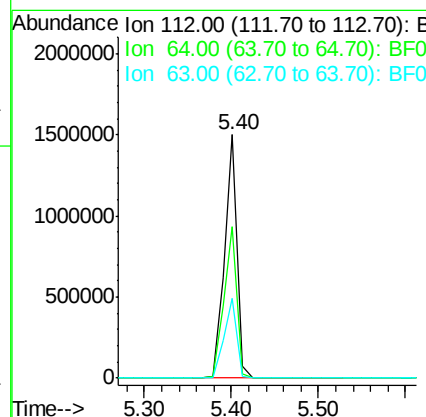
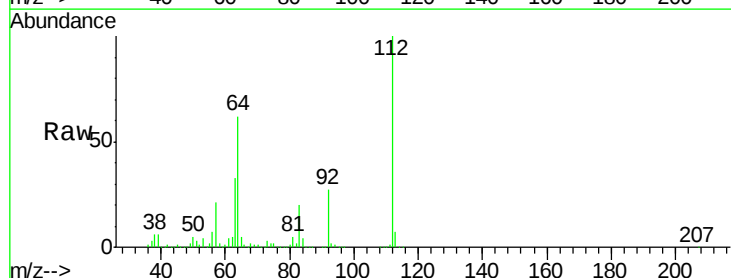
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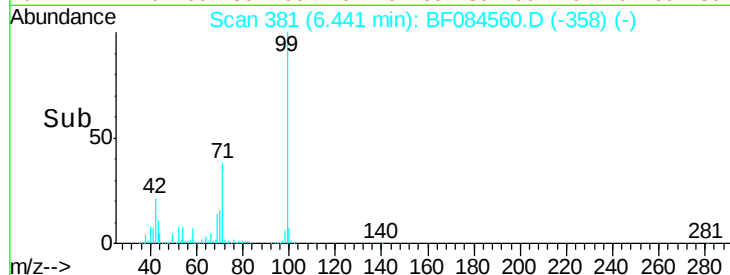
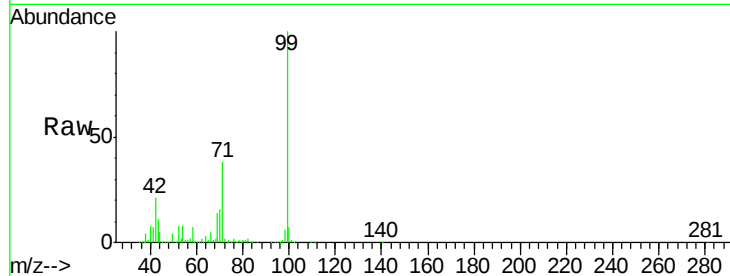
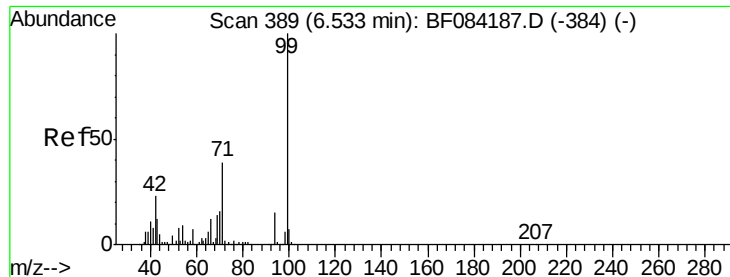


#5

2-Fluorophenol
Concen: 110.26 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.03 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	36.6	55.0#
63	32.6	19.4	29.0#





#7

Phenol-d6

Concen: 110.23 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)

Tot Ion: 99 Resp: 1908775

Ion Ratio Lower Upper

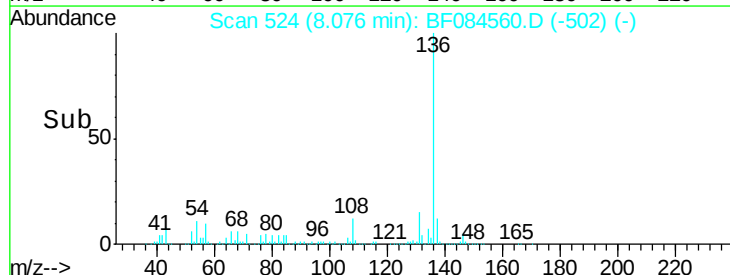
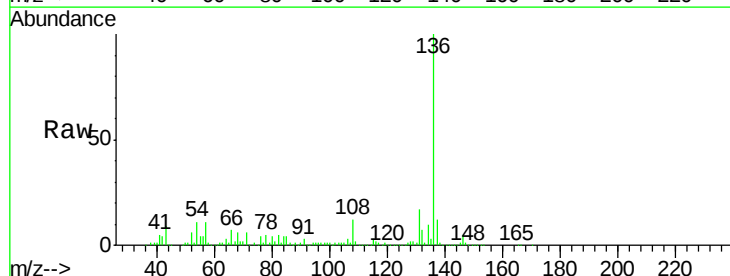
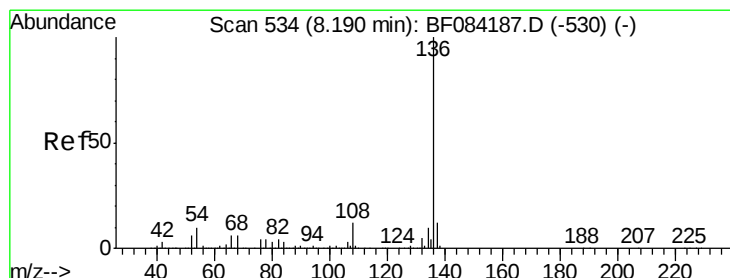
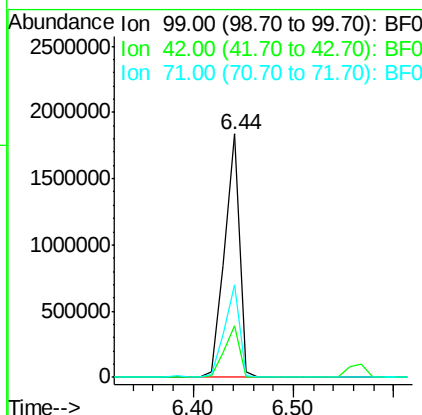
99 100

42 20.9 12.8 19.2#

71 37.9 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Tgt Ion: 136 Resp: 844672

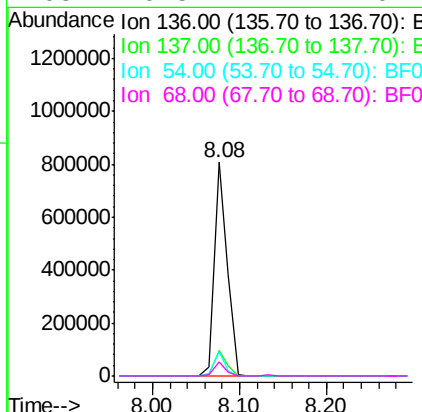
Ion Ratio Lower Upper

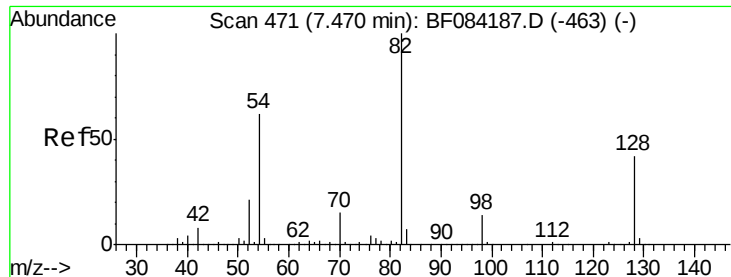
136 100

137 11.9 8.7 13.1

54 11.5 5.8 8.8#

68 6.5 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 79.39 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)

Tot Ion: 82 Resp: 1204893

Ion Ratio Lower Upper

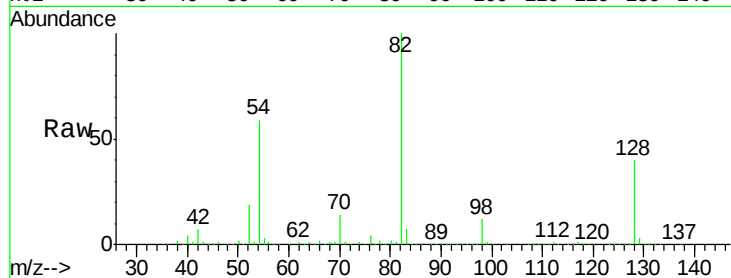
82 100

128 39.8 34.6 51.8

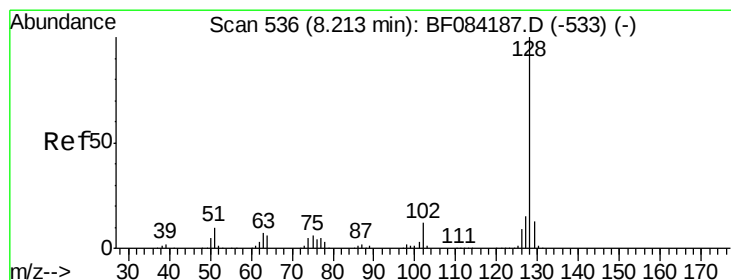
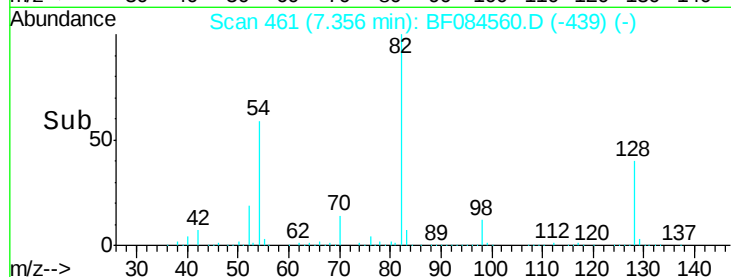
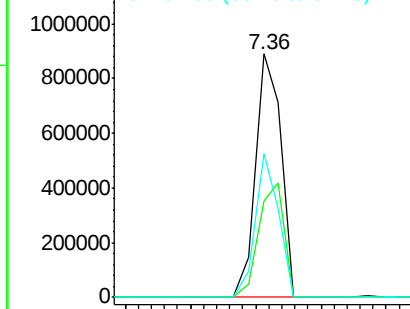
54 59.1 38.4 57.6#

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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: 2.57 ng m

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

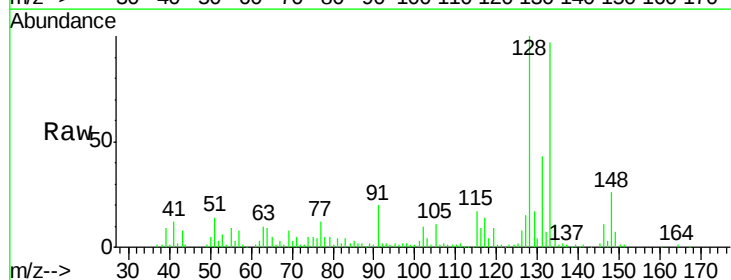
Tgt Ion: 128 Resp: 98410

Ion Ratio Lower Upper

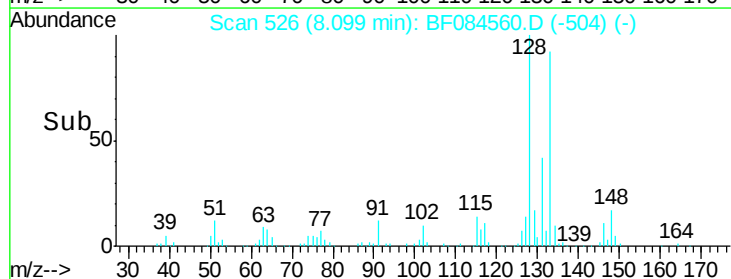
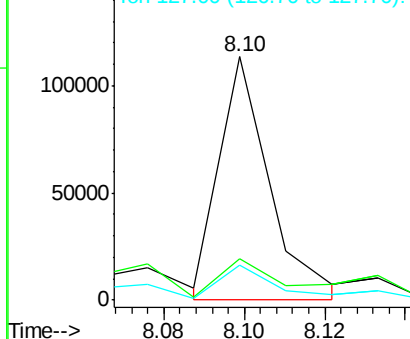
128 100

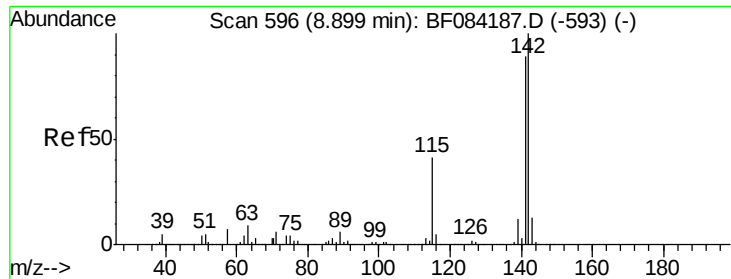
129 17.1 9.1 13.7#

127 14.5 11.1 16.7



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





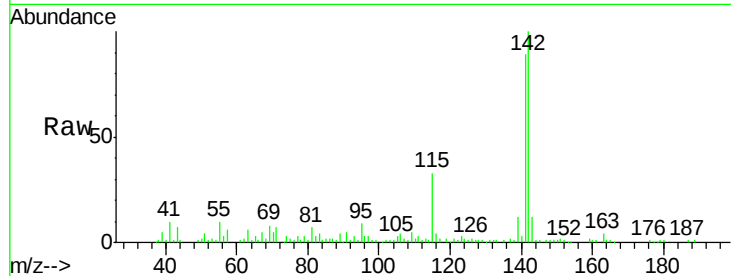
#37
2-Methylnaphthalene
Concen: 3.01 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.03 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.4	108.6
115	32.9	27.9	41.9

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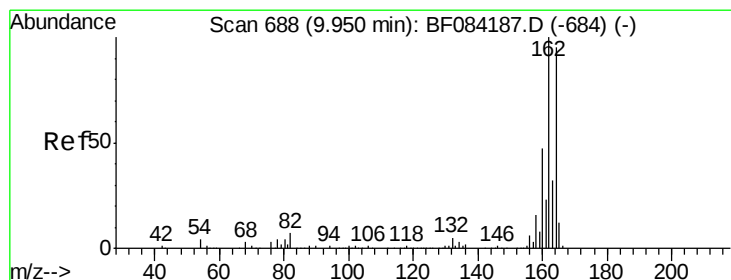
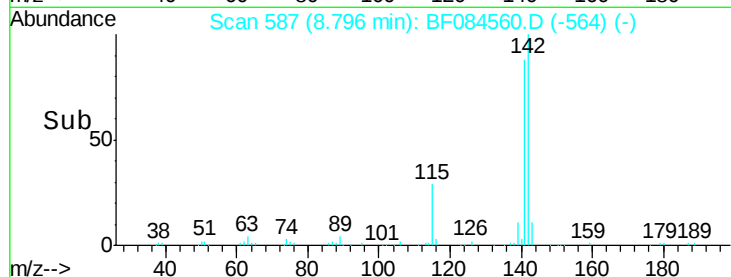
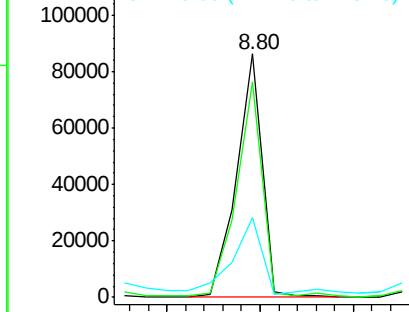


Abundance

Ion 142.00 (141.70 to 142.70): E

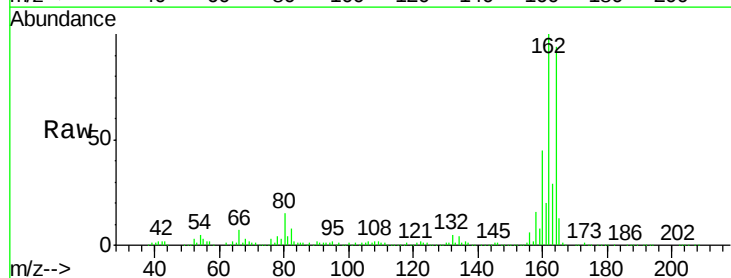
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	85.1	127.7
160	47.6	37.5	56.3

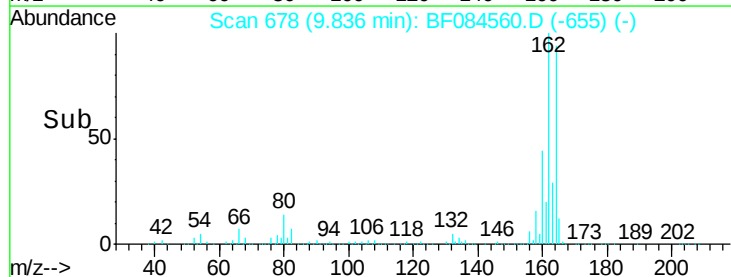
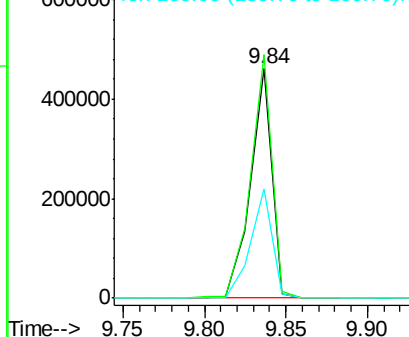


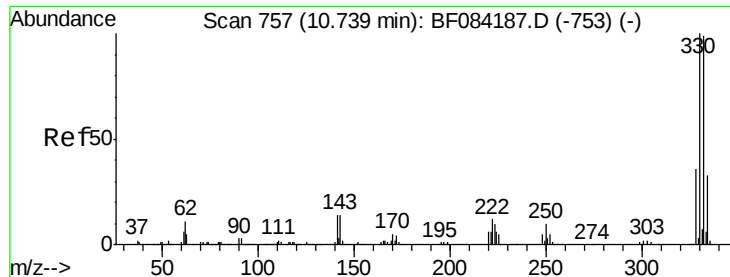
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





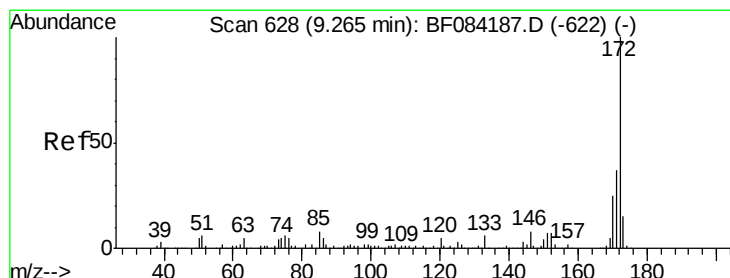
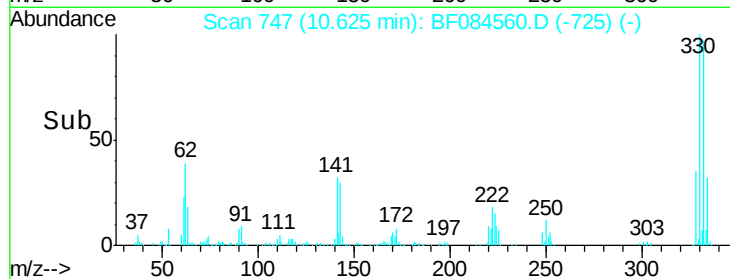
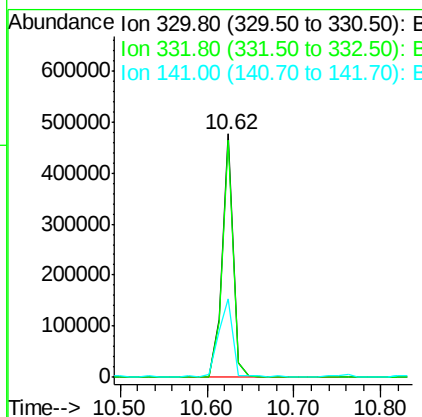
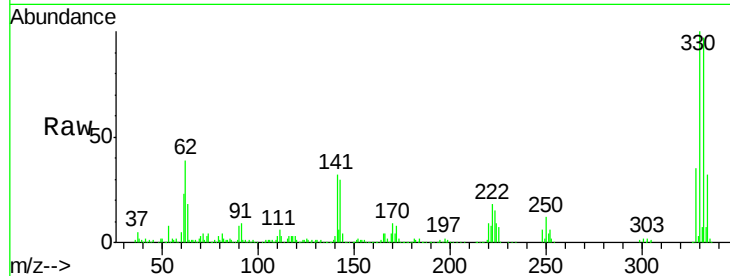
#41
 2,4,6-Tribromophenol
 Concen: 103.05 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084560.D
 Acq: 19 Jan 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	432858		
332	97.2	76.6	114.8	
141	40.2	27.8	41.6	

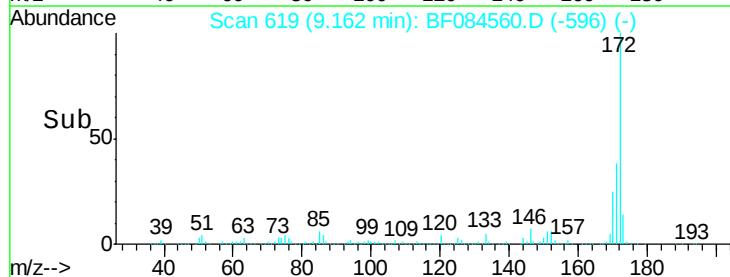
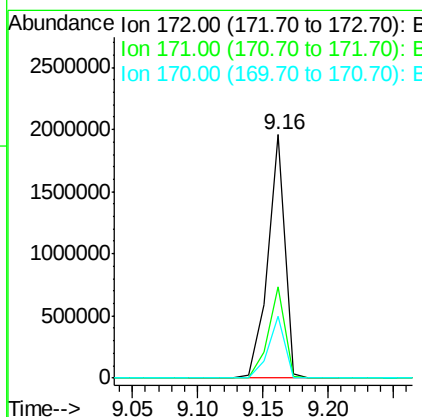
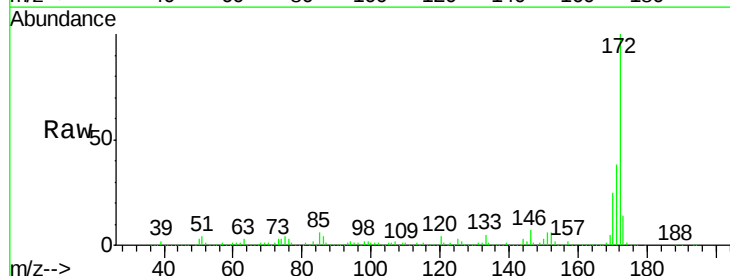
Manual Integrations
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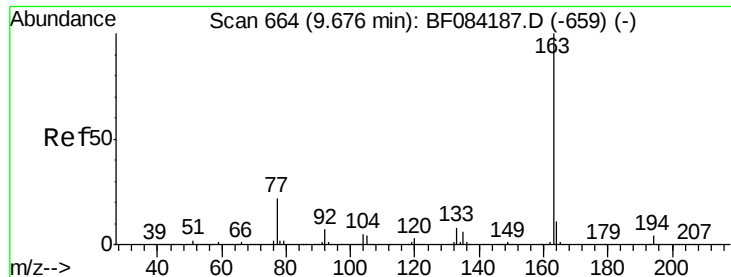
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#44
 2-Fluorobiphenyl
 Concen: 75.07 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084560.D
 Acq: 19 Jan 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1792826		
171	37.6	28.9	43.3	
170	25.5	18.6	27.8	





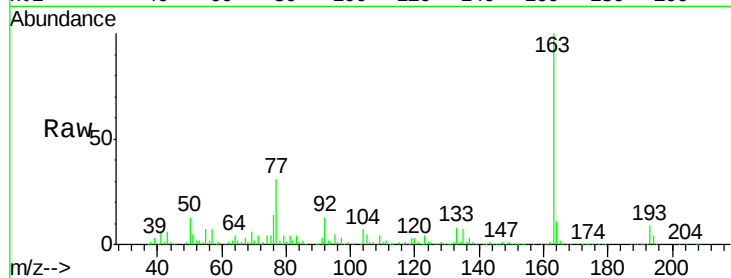
#49
Dimethylphthalate
Concen: 12.18 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.06 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

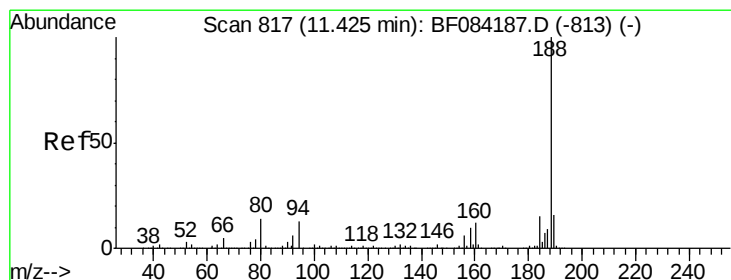
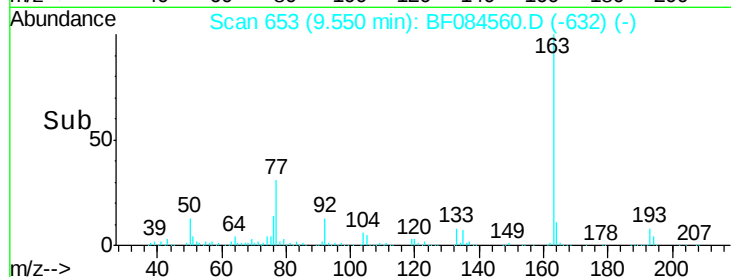
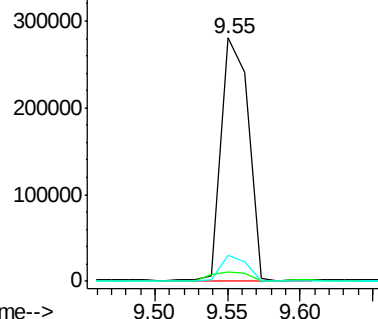
Tot Ion	Ratio	Resp	Lower	Upper
163	100	362242		
194	3.8	8.0	12.0	
164	10.7	8.0	12.0	

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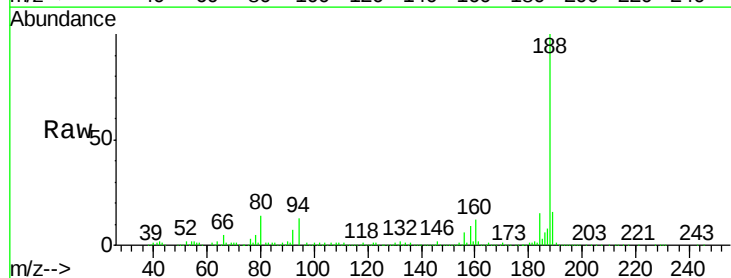


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

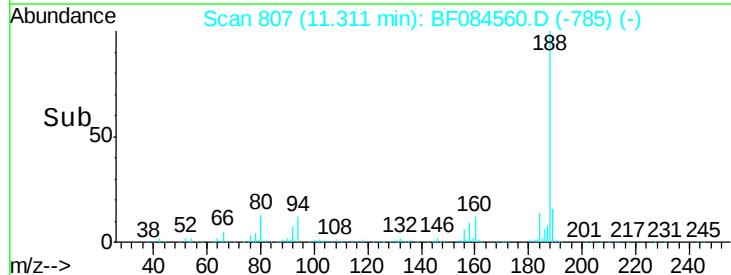
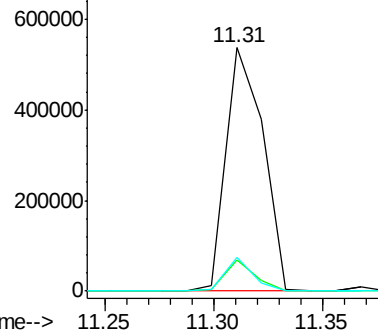


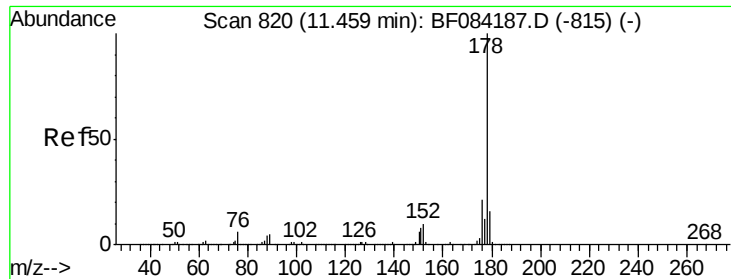
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	641275		
94	12.6	9.0	13.4	
80	13.7	9.6	14.4	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





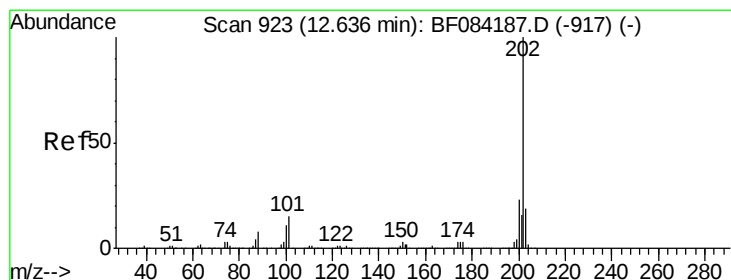
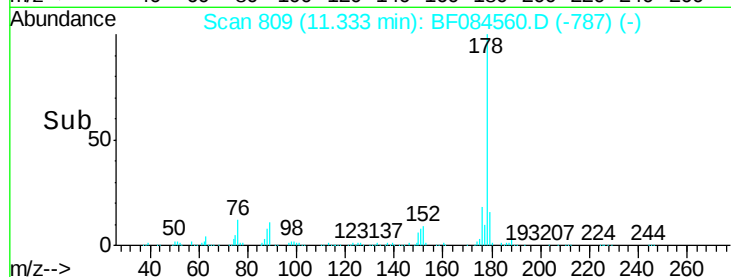
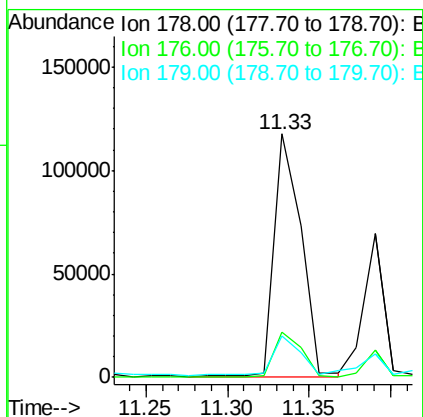
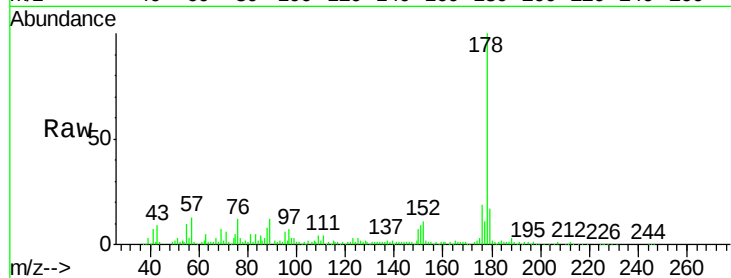
#70
Phenanthrene
Concen: 3.99 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	16.7	12.0	18.0

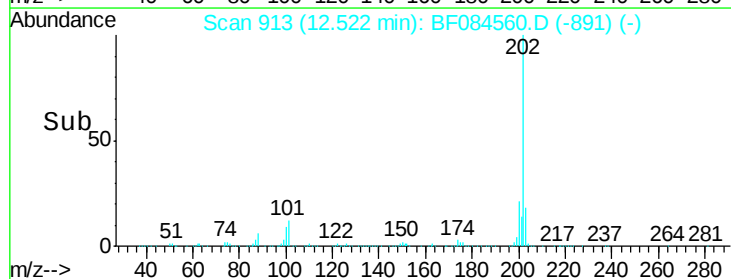
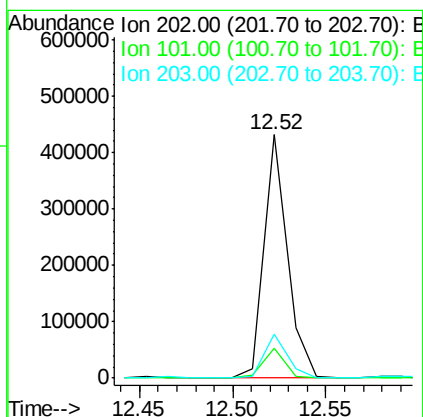
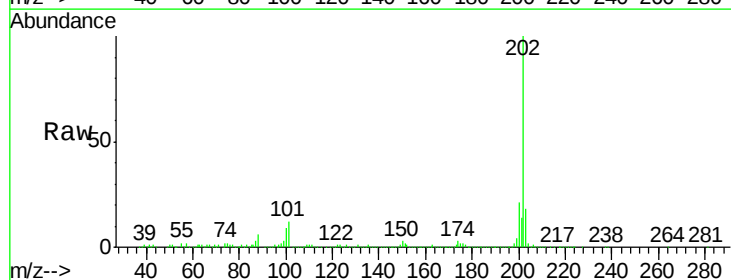
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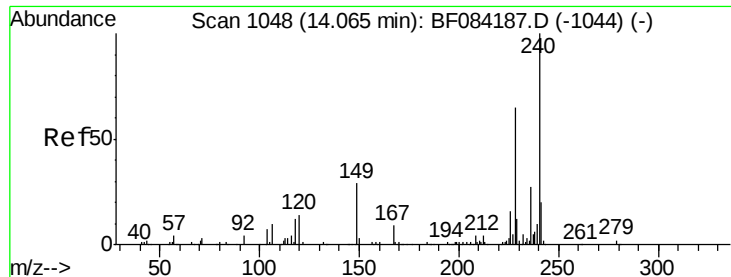
mohammad
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#74
Fluoranthene
Concen: 10.56 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.05 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.8
203	18.1	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Instrument :

BNA_F

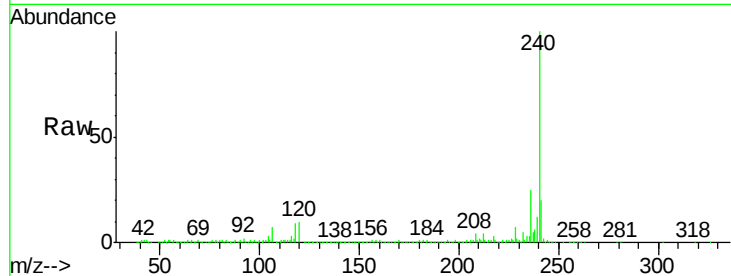
ClientSampleId :

SP-005(0-2)

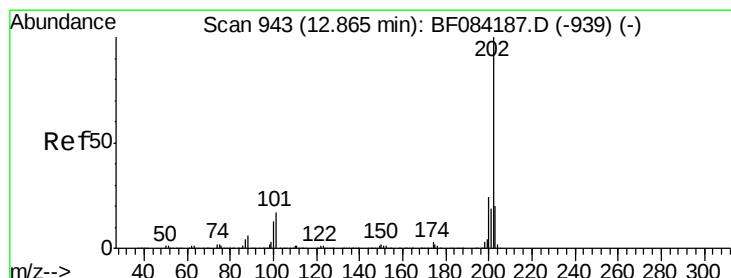
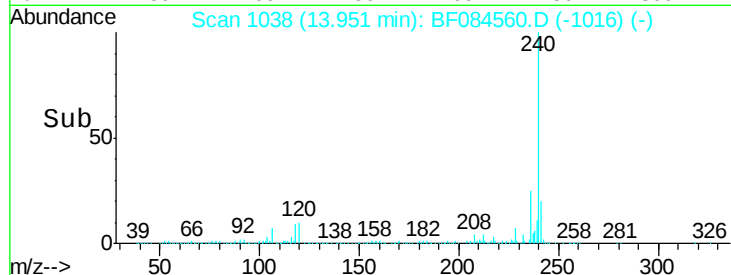
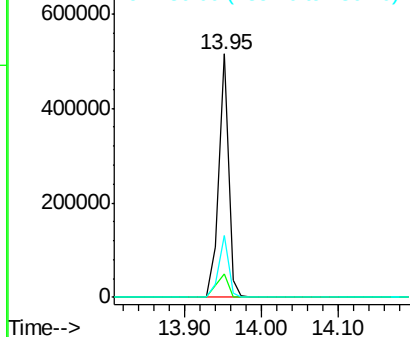
Tot Ion:	240	Resp:	460820
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	25.4	20.6	31.0

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.63 ng

RT: 12.75 min Scan# 933

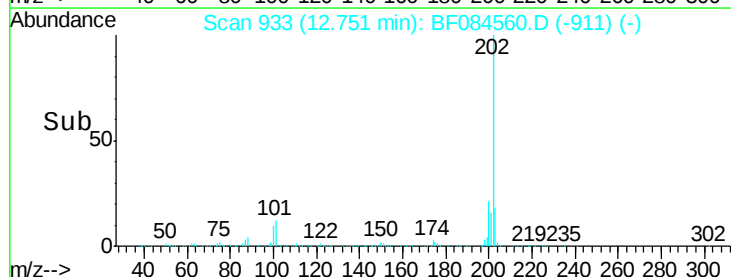
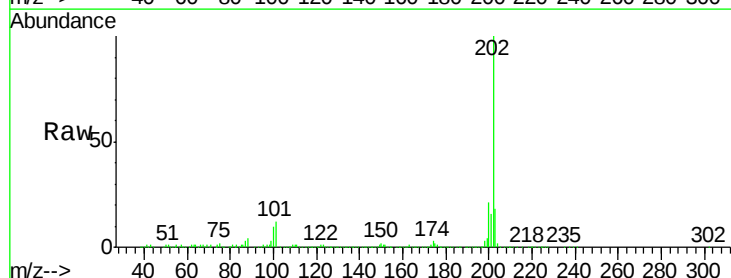
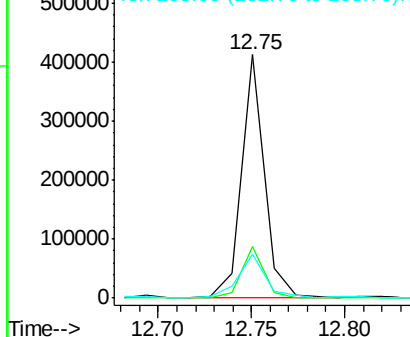
Delta R.T. -0.05 min

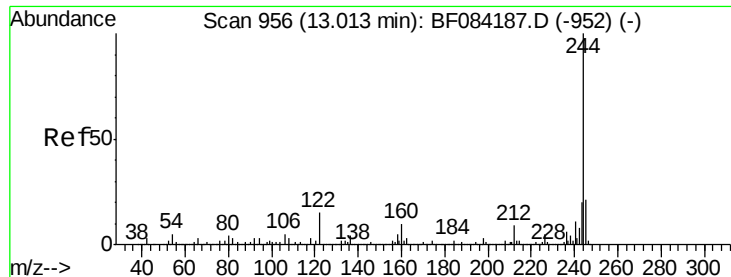
Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Tgt Ion:	202	Resp:	348416
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.2	25.8
203	18.0	14.3	21.5

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





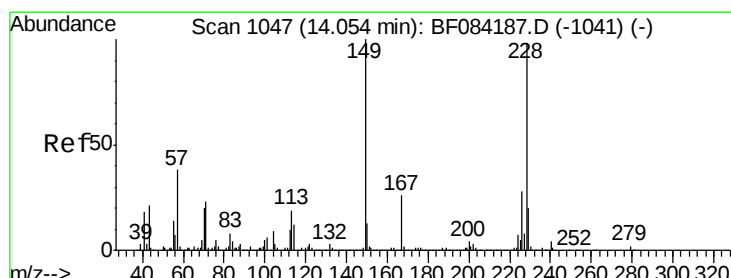
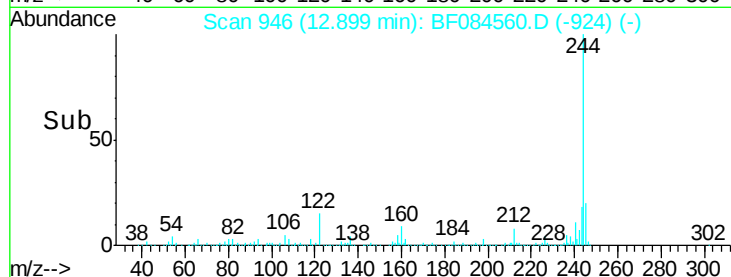
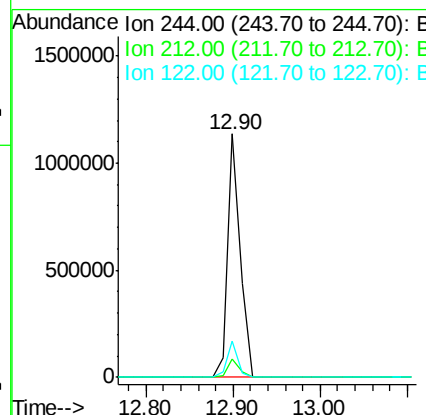
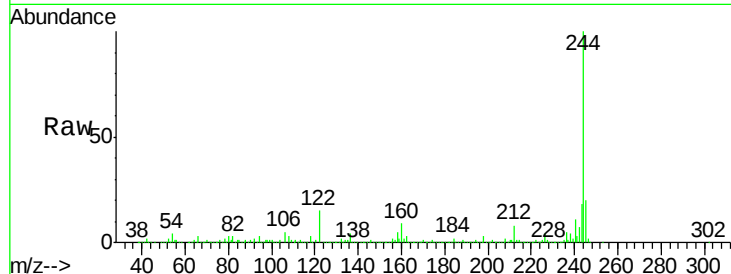
#78
 Terphenyl-d14
 Concen: 55.69 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.05 min
 Lab File: BF084560.D
 Acq: 19 Jan 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)

Tot Ion:244 Resp: 1149605
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 14.7 7.4 11.0#

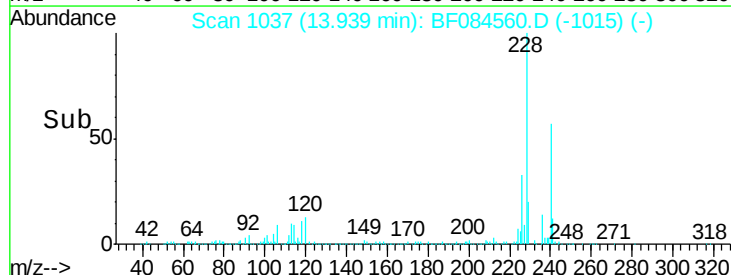
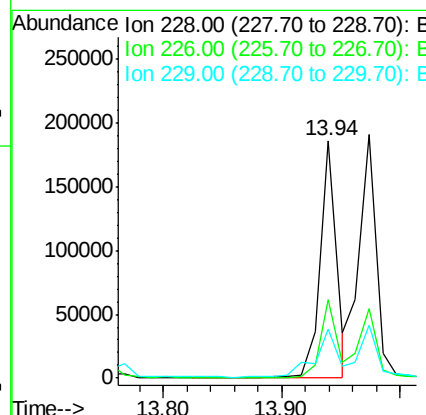
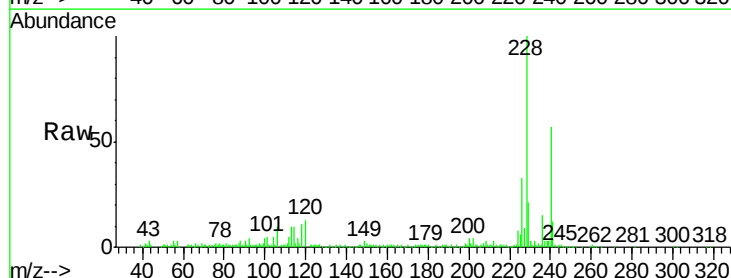
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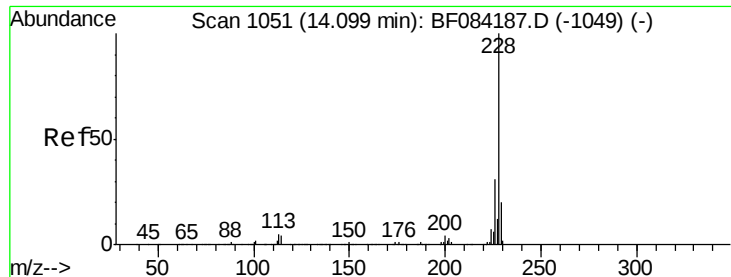
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#80
 Benzo(a)anthracene
 Concen: 6.65 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.05 min
 Lab File: BF084560.D
 Acq: 19 Jan 2016 18:56

Tgt Ion:228 Resp: 179842
 Ion Ratio Lower Upper
 228 100
 226 33.3 21.8 32.6#
 229 20.8 15.8 23.8





#82

Chrysene

Concen: 7.34 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Instrument :

BNA_F

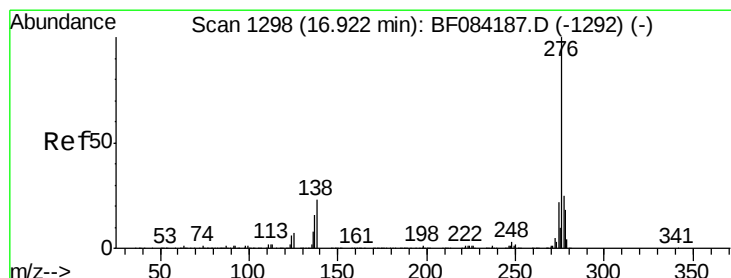
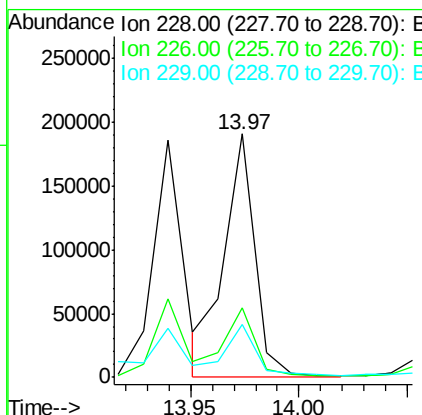
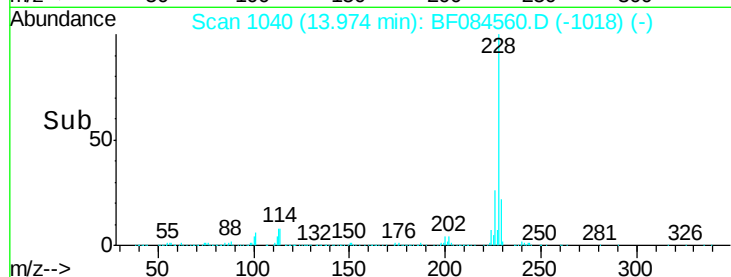
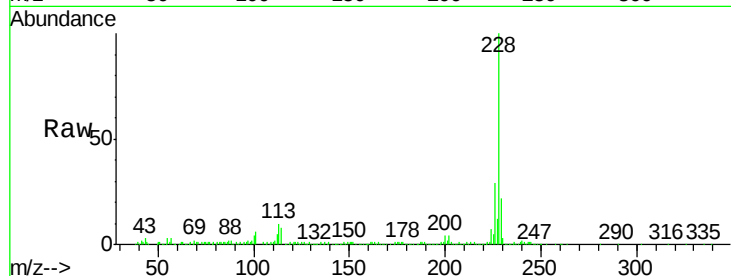
ClientSampleID :

SP-005(0-2)

Tot Ion:	228	Resp:	190941
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.3	36.5
229	21.8	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.10 ng/mL

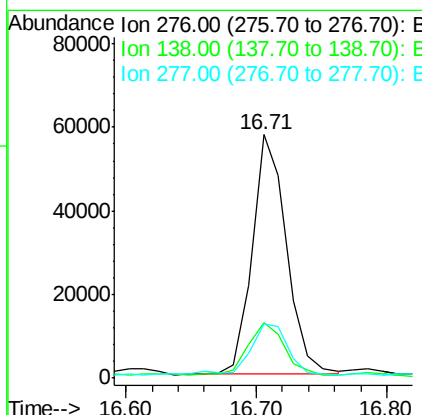
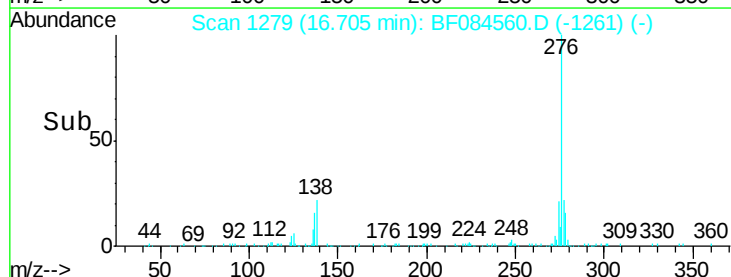
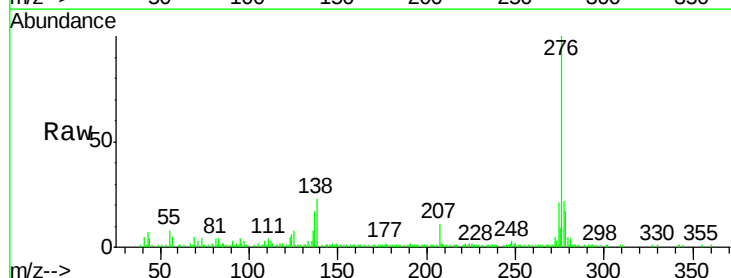
RT: 16.71 min Scan# 1279

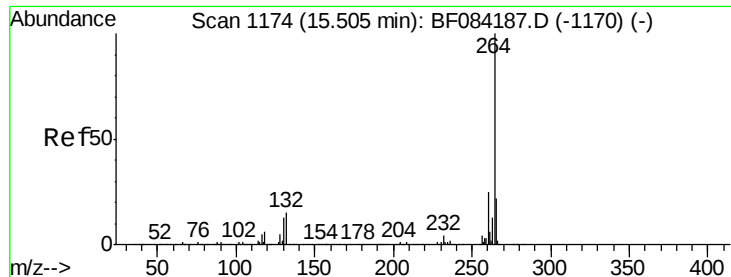
Delta R.T. -0.09 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Tgt Ion:	276	Resp:	105052
Ion Ratio	Lower	Upper	
276	100		
138	24.8	20.6	30.8
277	26.0	20.1	30.1





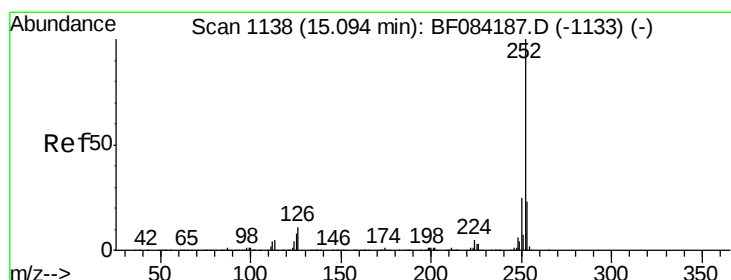
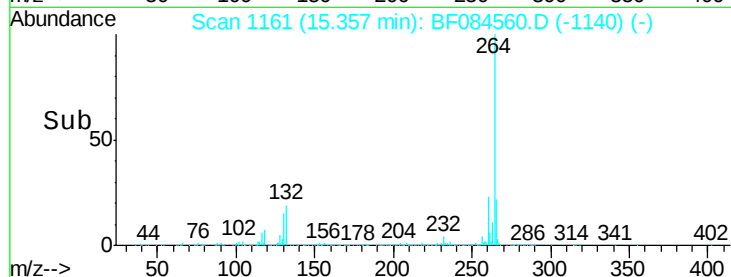
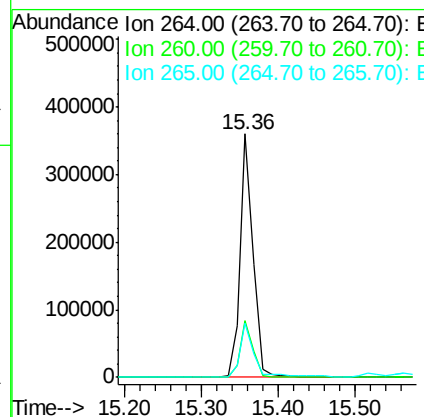
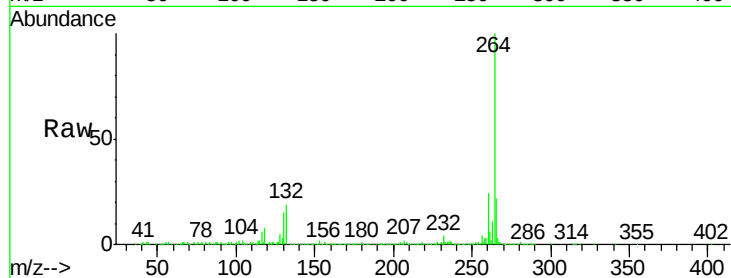
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.06 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.5	19.4	29.2		
265	22.4	17.8	26.6		

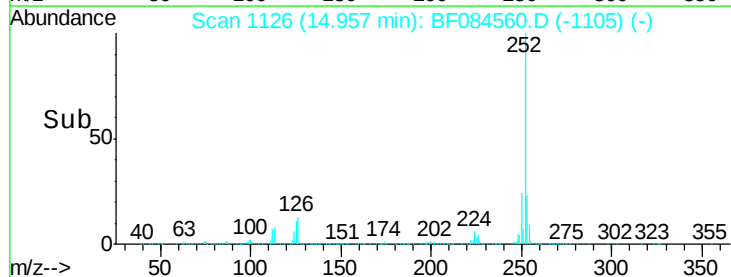
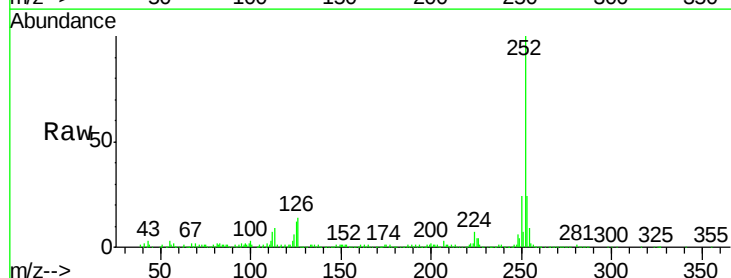
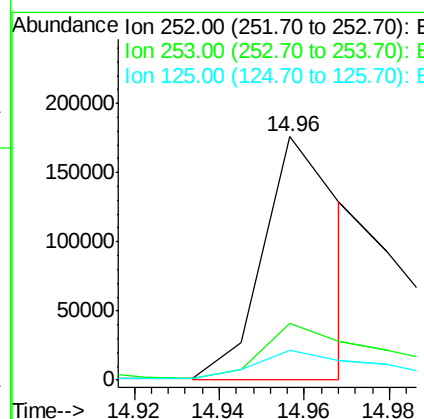
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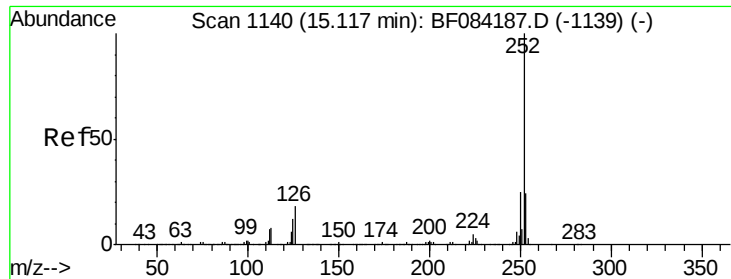
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#87
Benzo(b)fluoranthene
Concen: 7.99 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF084560.D
Acq: 19 Jan 2016 18:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.5	17.3	25.9		
125	12.0	6.5	9.7		





#88

Benzo(k)fluoranthene

Concen: 4.52 ng m

RT: 14.97 min Scan# 1127

Delta R.T. -0.07 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Instrument :

BNA_F

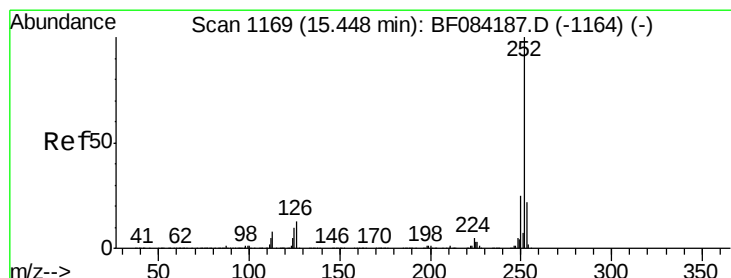
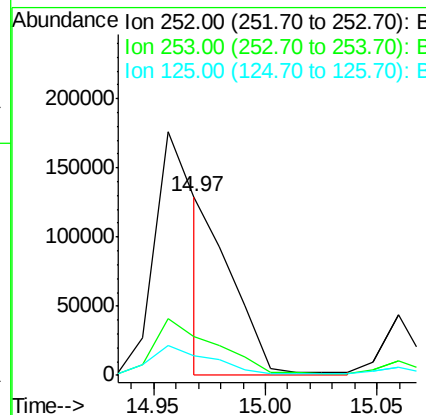
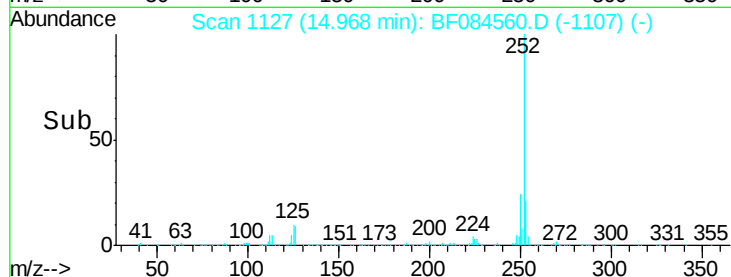
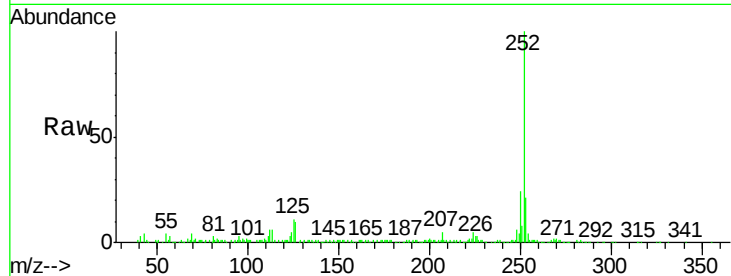
ClientSampleId :

SP-005(0-2)

Tot Ion:	252	Resp:	105522
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	11.3	9.0	13.6

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#89

Benzo(a)pyrene

Concen: 6.11 ng

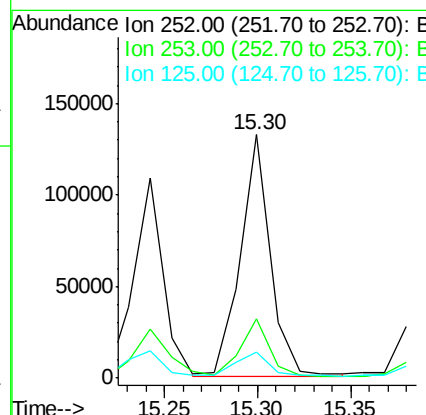
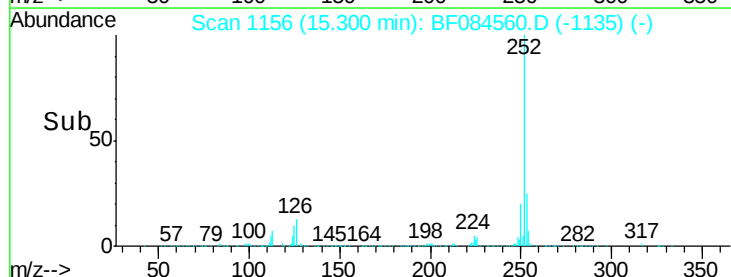
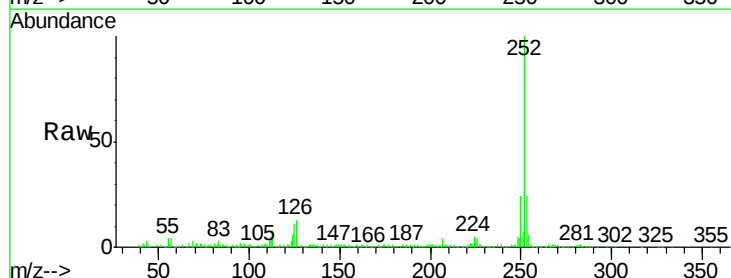
RT: 15.30 min Scan# 1156

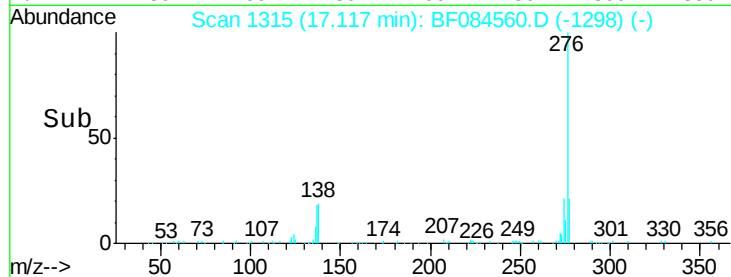
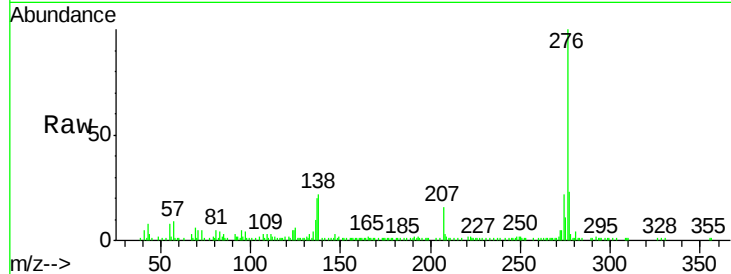
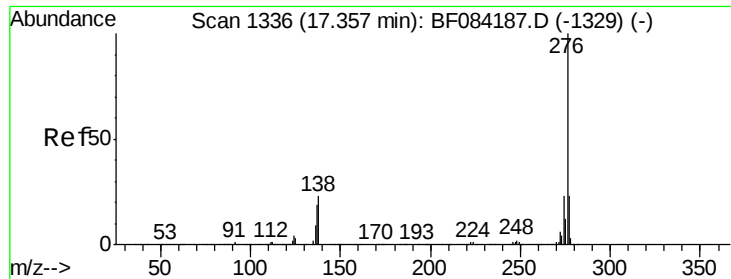
Delta R.T. -0.06 min

Lab File: BF084560.D

Acq: 19 Jan 2016 18:56

Tgt Ion:	252	Resp:	147863
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.3	25.9
125	10.8	7.0	10.4#





#91
 Benzo(a,h,i)perylene
 Concen: 4.42 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.10 min
 Lab File: BF084560.D
 Acq: 19 Jan 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	22.1	17.8	26.6

Manual Integrations
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