

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084555.D
 Acq On : 19 Jan 2016 16:38
 Operator : SJ/UM
 Sample : H1169-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)

Manual Integrations
 APPROVED

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 1/20/2016 2:22:41 PM

Quant Time: Jan 20 03:20:18 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	216455	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	772723	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	394656	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	643670	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	419819	20.00	ng	-0.05
86) Perylene-d12	15.36	264	393496	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1358827	101.54	ng	-0.03
7) Phenol-d6	6.44	99	1769224	105.27	ng	-0.03
23) Nitrobenzene-d5	7.36	82	1004095	72.32	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	368759	92.55	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1598455	70.14	ng	-0.03
78) Terphenyl-d14	12.90	244	1144863	60.87	ng	-0.05
Target Compounds						
31) Naphthalene	8.10	128	412264m	11.76	ng	Qvalue
37) 2-Methylnaphthalene	8.80	142	678729	26.97	ng	97
49) Dimethylphthalate	9.56	163	314197	11.14	ng	# 92
70) Phenanthrene	11.34	178	231732	6.88	ng	97
71) Anthracene	11.39	178	69929m	2.12	ng	
74) Fluoranthene	12.52	202	366412	10.42	ng	97
77) Pyrene	12.75	202	379334	11.51	ng	99
80) Benzo(a)anthracene	13.94	228	169391m	6.87	ng	
82) Chrysene	13.97	228	177508m	7.49	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	121149	6.45	ng	97
87) Benzo(b)fluoranthene	14.96	252	224778m	8.73	ng	
88) Benzo(k)fluoranthene	14.97	252	104080m	4.94	ng	
89) Benzo(a)pyrene	15.30	252	152439	6.98	ng	# 96
91) Benzo(a,h,i)perylene	17.12	276	121322	6.24	ng	98

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

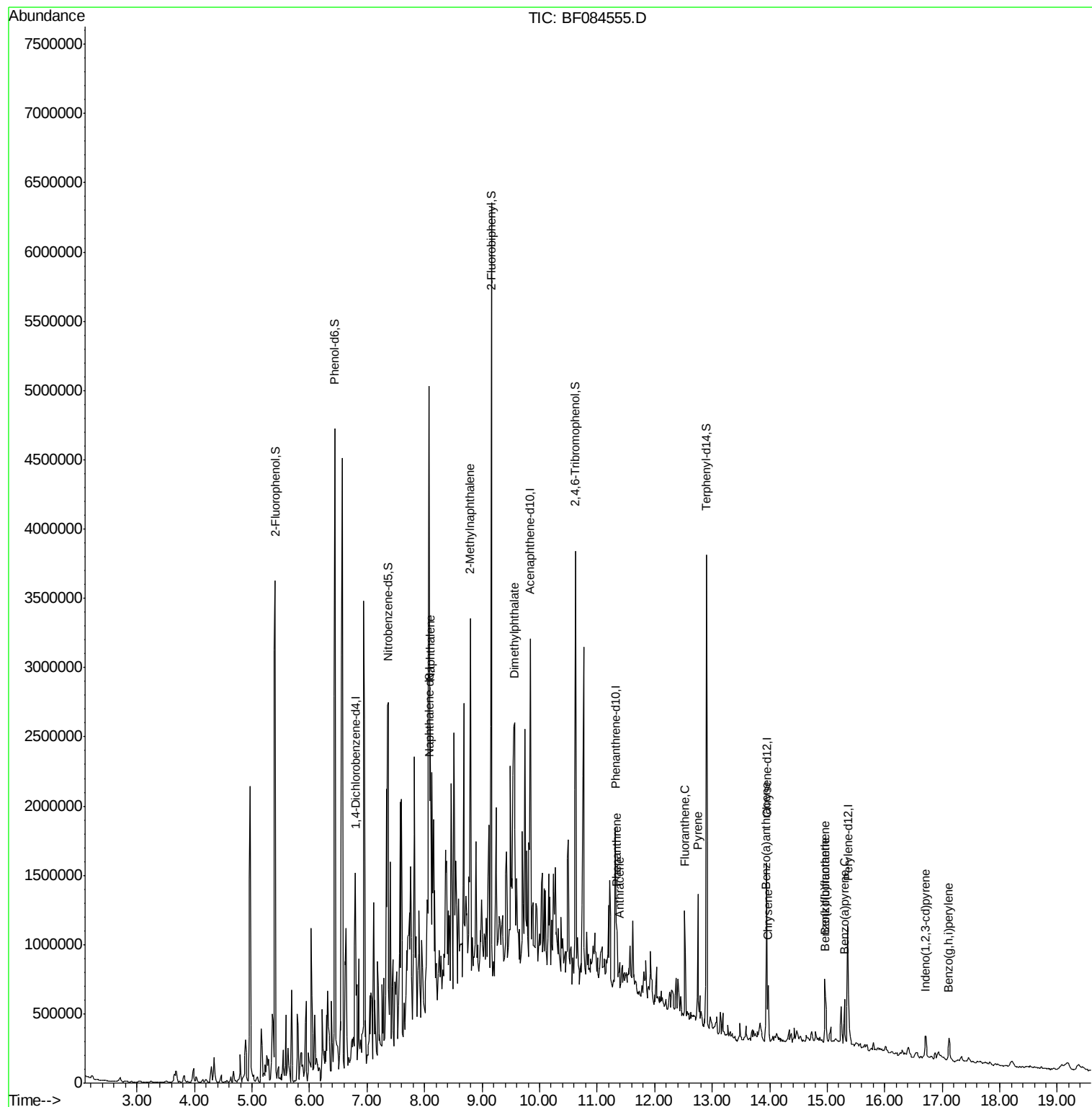
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
Data File : BF084555.D
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Sample : H1169-03
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ALS Vial : 10 Sample Multiplier: 1

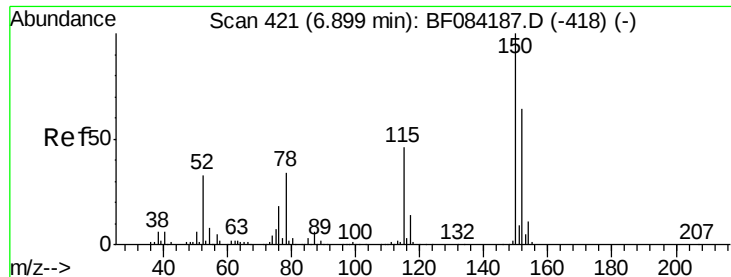
Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

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Quant Time: Jan 20 03:20:18 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

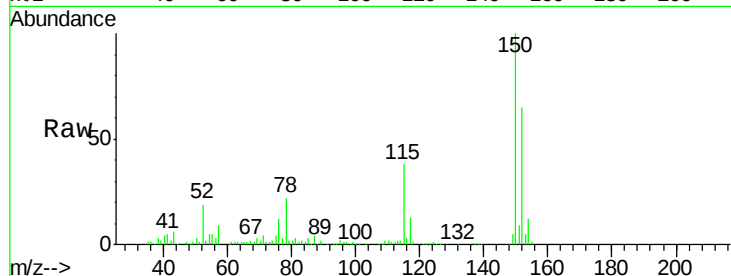
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.03 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

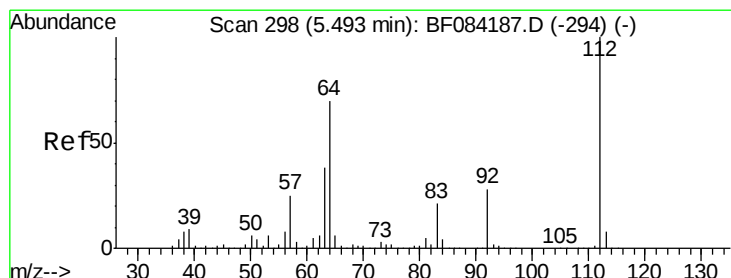
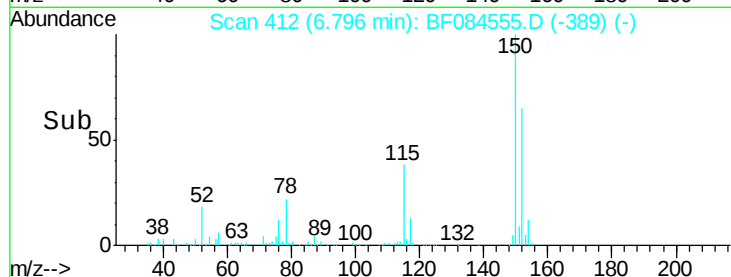
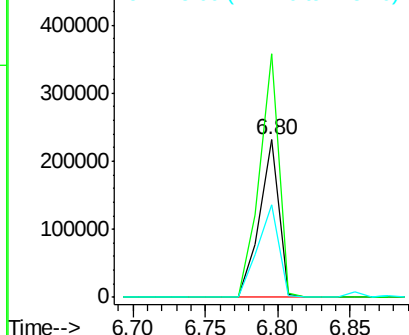
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.4
115	58.6	51.4	77.2

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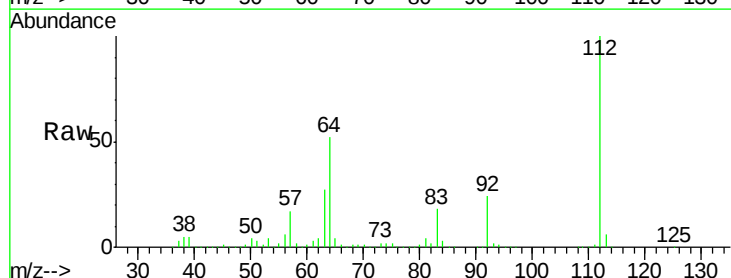
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



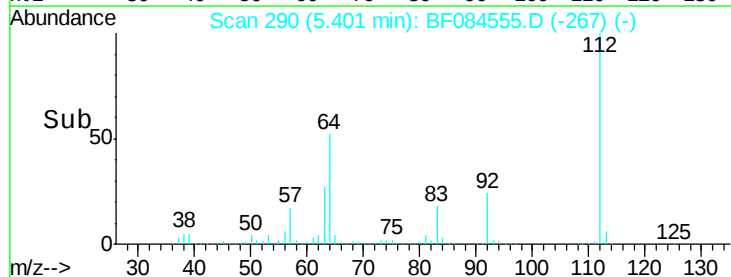
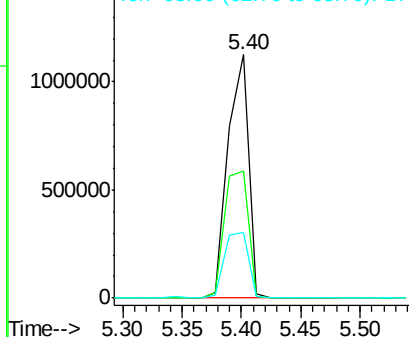
#5

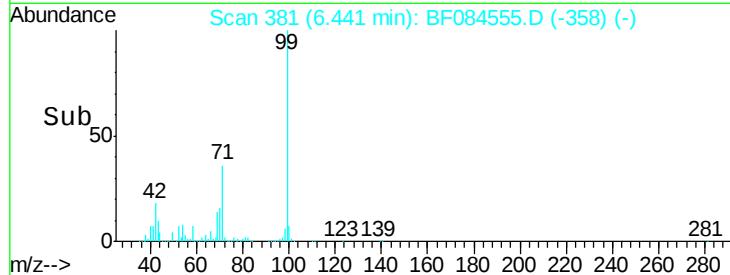
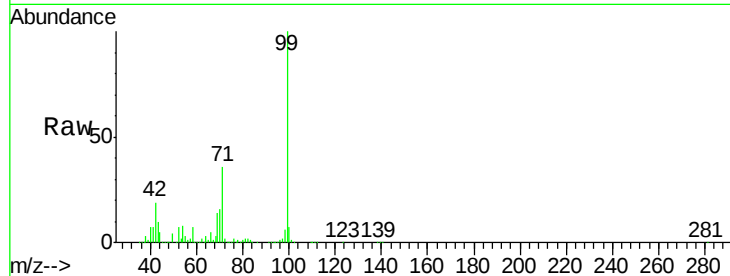
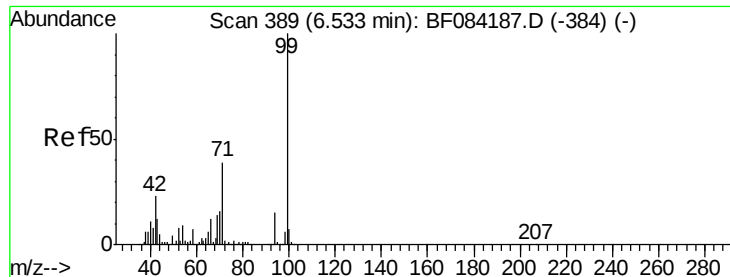
2-Fluorophenol
Concen: 101.54 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.03 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	36.6	55.0
63	27.0	19.4	29.0



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: 105.27 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Tot Ion: 99 Resp: 1769224

Ion Ratio Lower Upper

99 100

42 18.5 12.8 19.2

71 35.9 30.9 46.3

Instrument :

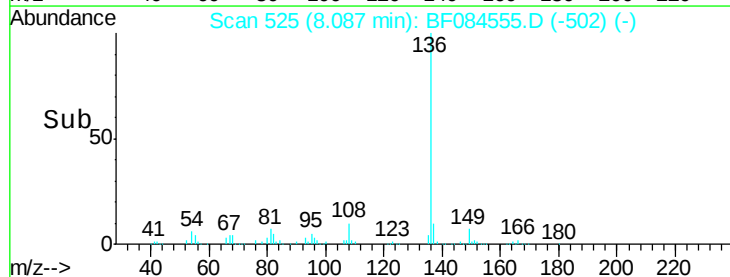
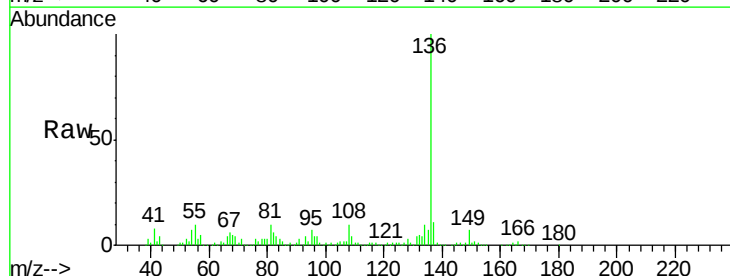
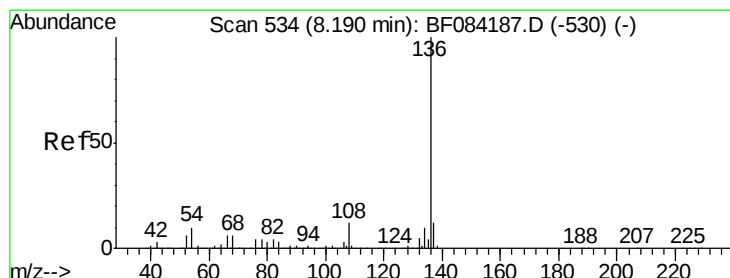
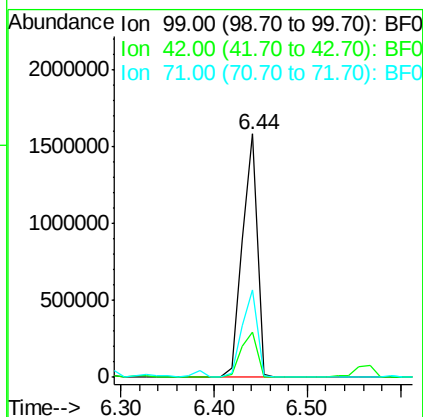
BNA_F

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Tgt Ion: 136 Resp: 772723

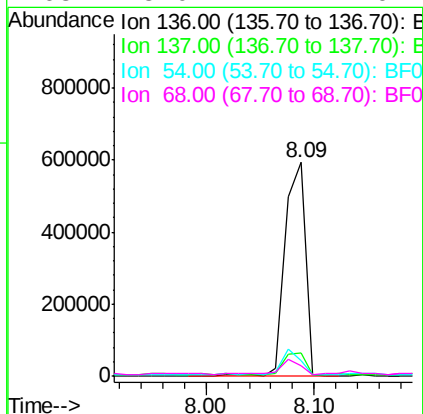
Ion Ratio Lower Upper

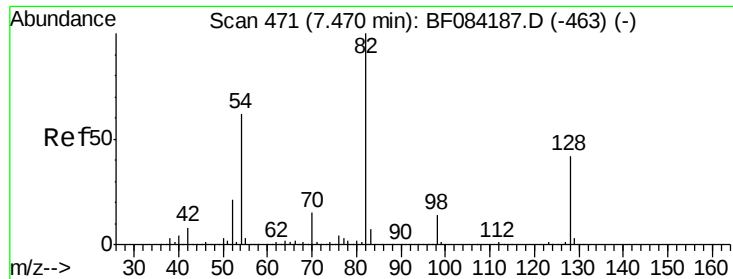
136 100

137 10.9 8.7 13.1

54 7.1 5.8 8.8

68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 72.32 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)

Tot Ion: 82 Resp: 1004095

Ion Ratio Lower Upper

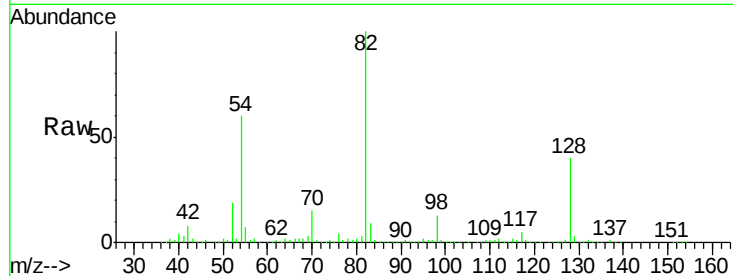
82 100

128 40.2 34.6 51.8

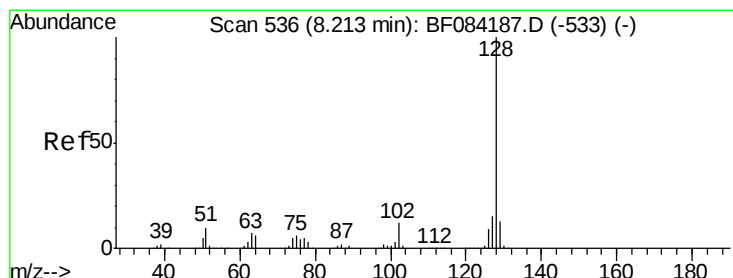
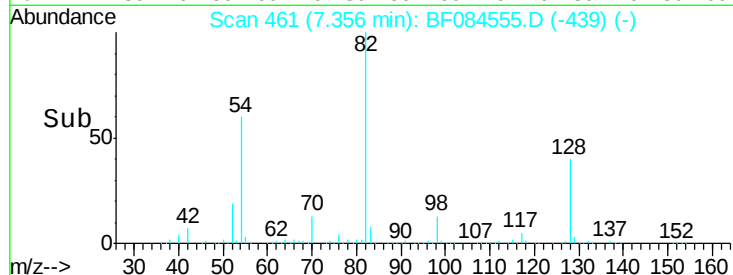
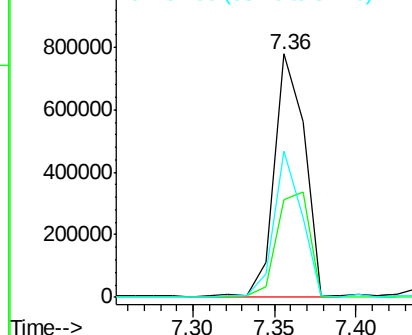
54 60.3 38.4 57.6#

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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: 11.76 ng m

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

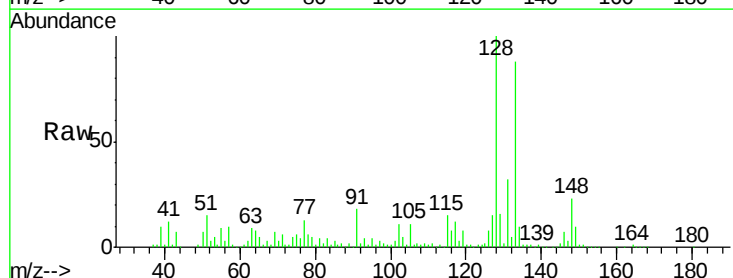
Tgt Ion: 128 Resp: 412264

Ion Ratio Lower Upper

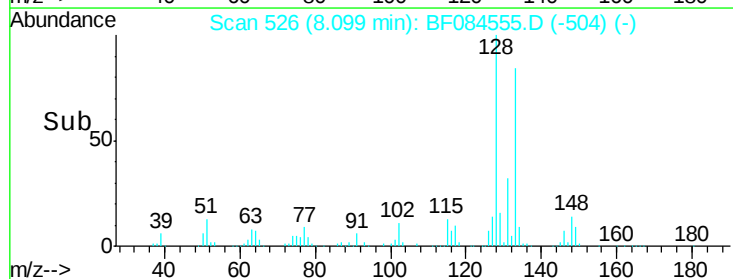
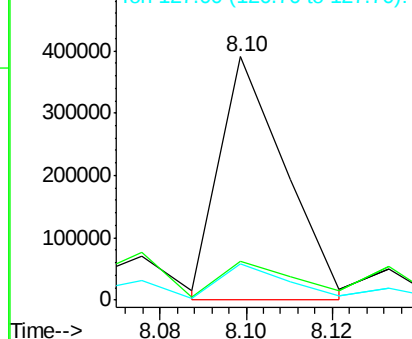
128 100

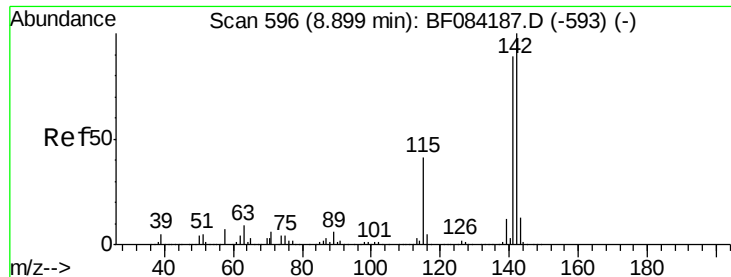
129 15.9 9.1 13.7#

127 14.7 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: 26.97 ng

RT: 8.80 min Scan# 587

Delta R.T. -0.03 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Instrument :

BNA_F

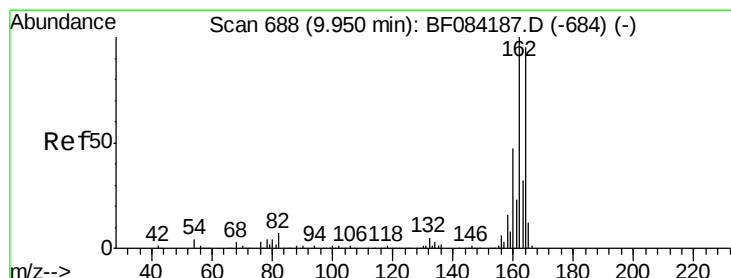
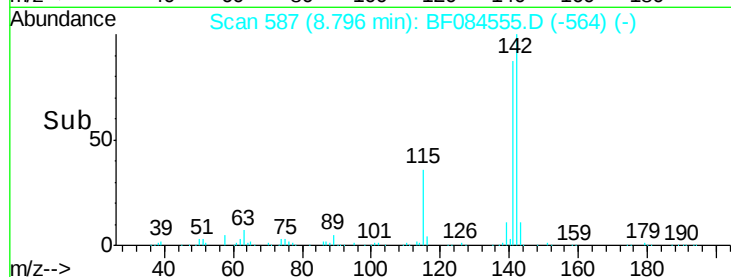
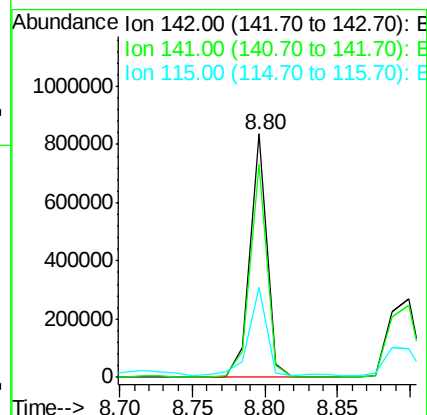
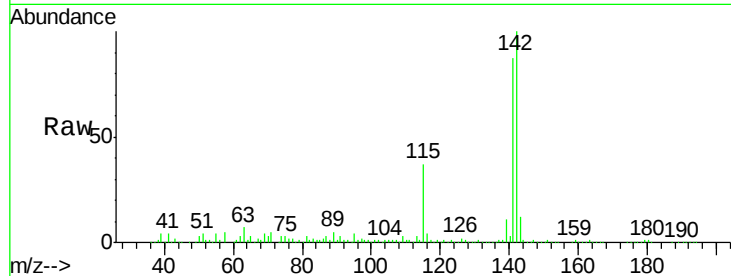
ClientSampleId :

SP-002(0-2)

Tot Ion:	142	Resp:	678729
Ion Ratio	Lower	Upper	
142	100		
141	87.4	72.4	108.6
115	37.0	27.9	41.9

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#38

Acenaphthene-d10

Concen: 20.00 ng

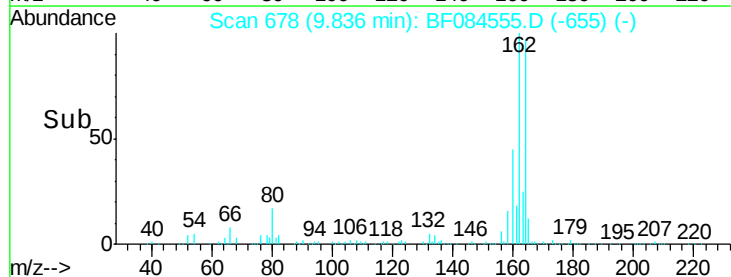
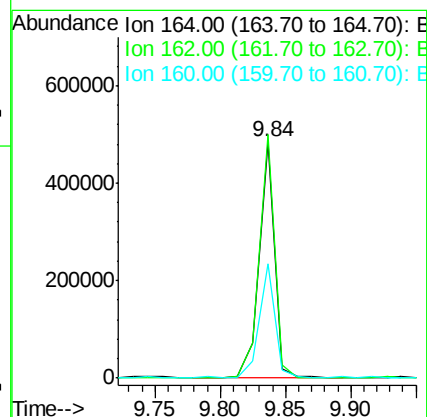
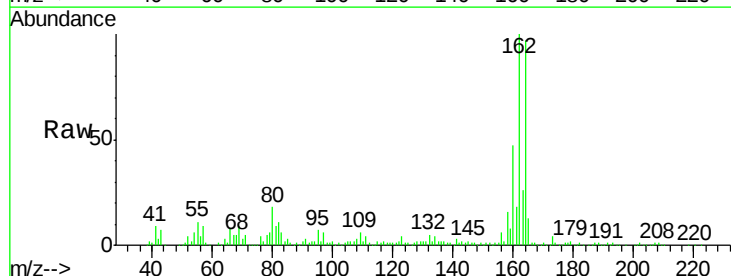
RT: 9.84 min Scan# 678

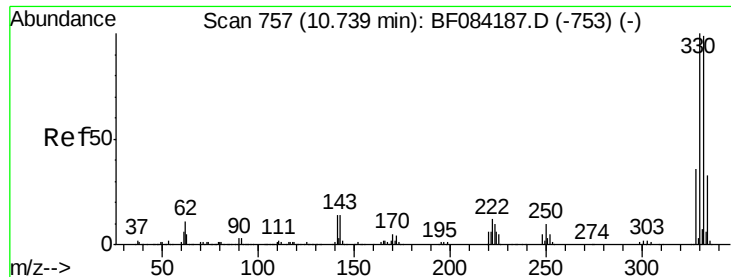
Delta R.T. -0.03 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Tgt Ion:	164	Resp:	394656
Ion Ratio	Lower	Upper	
164	100		
162	103.1	85.1	127.7
160	48.4	37.5	56.3





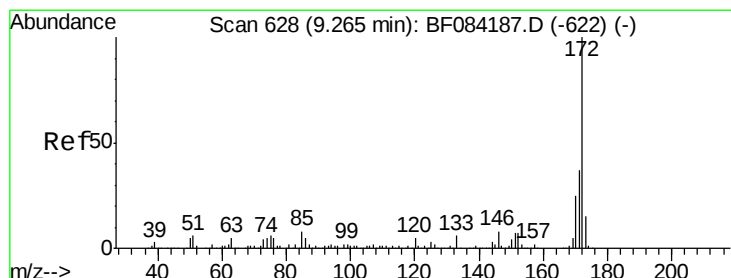
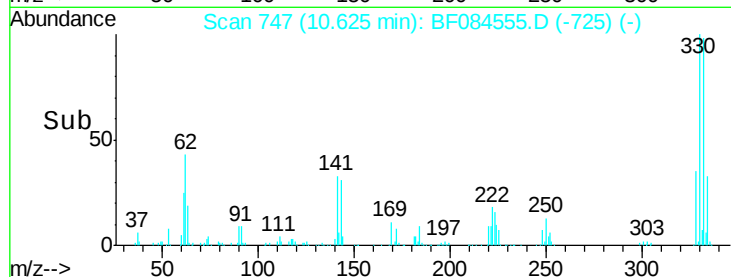
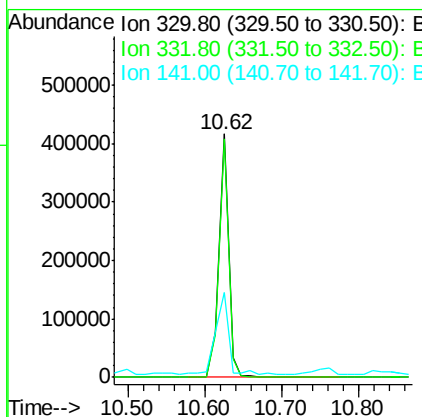
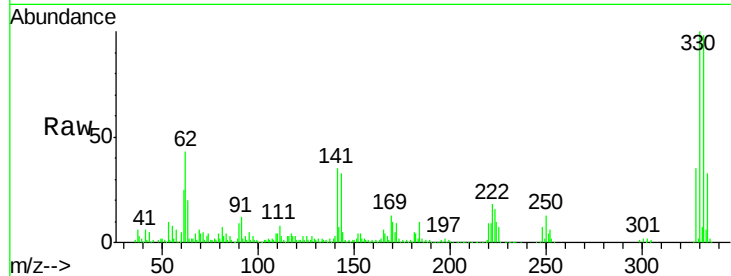
#41
 2,4,6-Tribromophenol
 Concen: 92.55 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084555.D
 Acq: 19 Jan 2016 16:38

Instrument :
 BNA_F
 ClientSampled :
 SP-002(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	368759		
332	97.0		76.6	114.8
141	42.3		27.8	41.6#

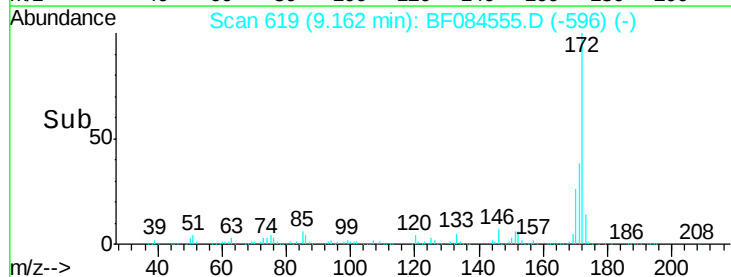
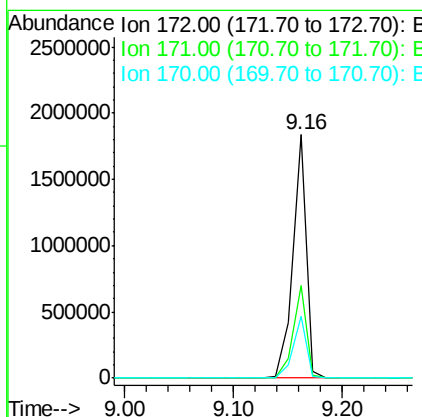
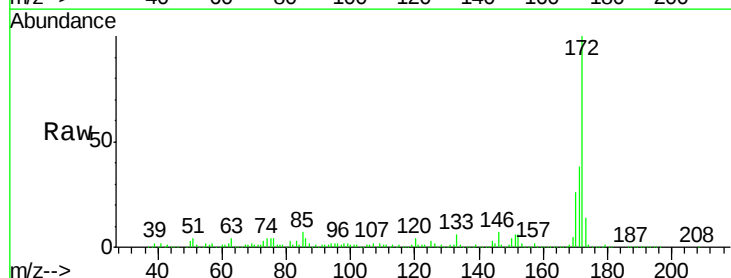
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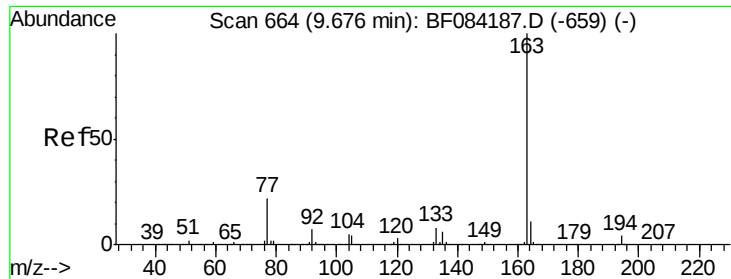
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#44
 2-Fluorobiphenyl
 Concen: 70.14 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084555.D
 Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1598455		
171	37.9		28.9	43.3
170	25.6		18.6	27.8





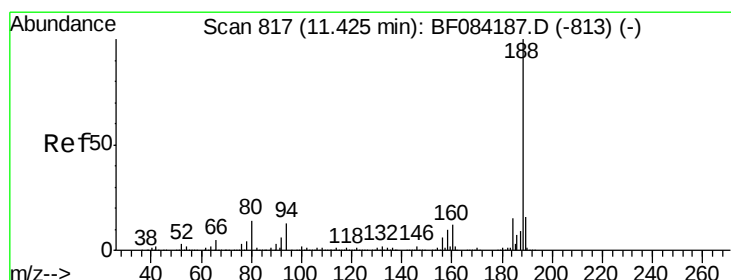
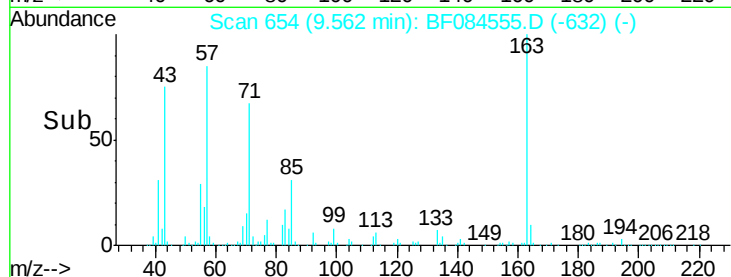
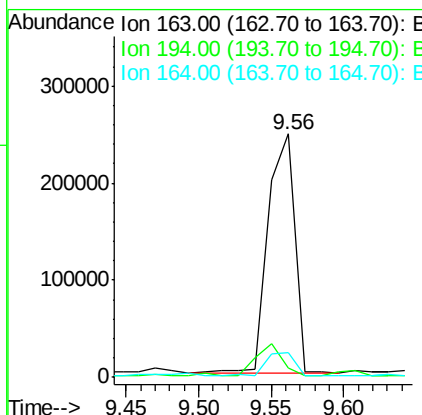
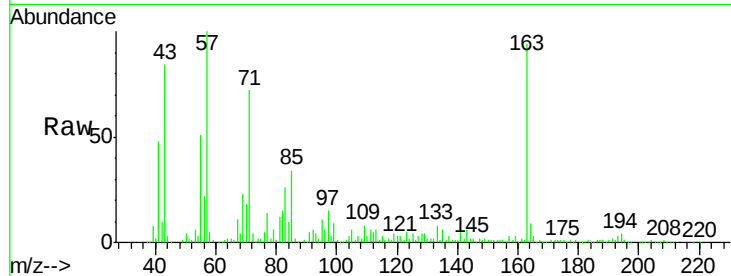
#49
Dimethylphthalate
Concen: 11.14 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.05 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	314197		
194	3.9	8.0	12.0#	
164	10.0	8.0	12.0	

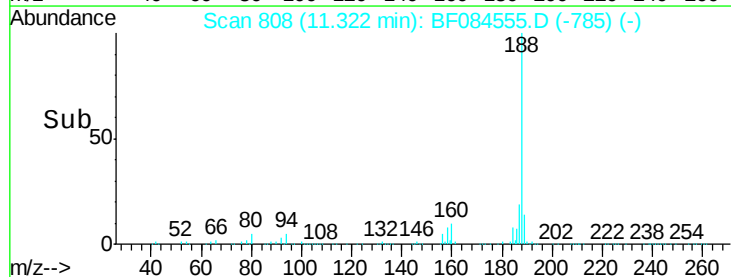
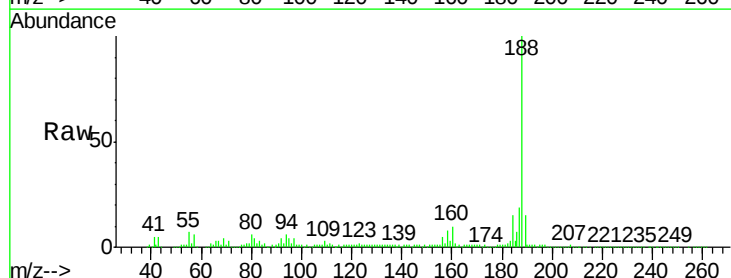
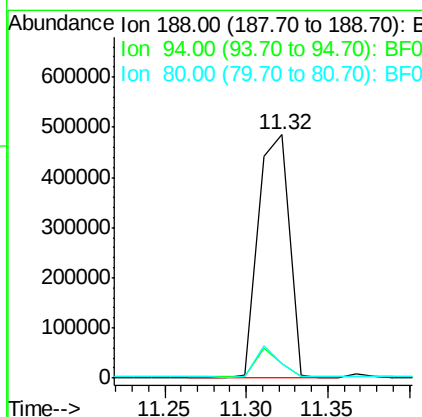
Manual Integrations
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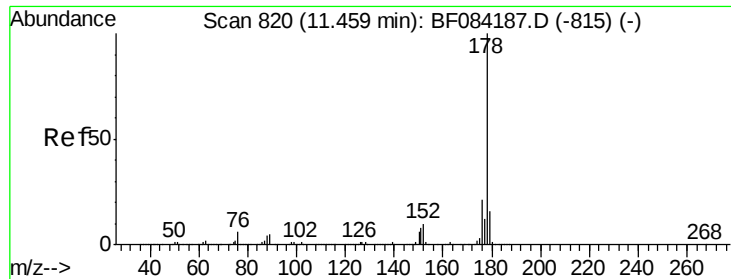
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	643670		
94	5.8	9.0	13.4#	
80	5.9	9.6	14.4#	





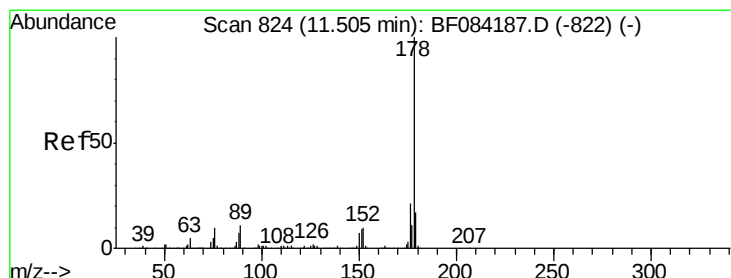
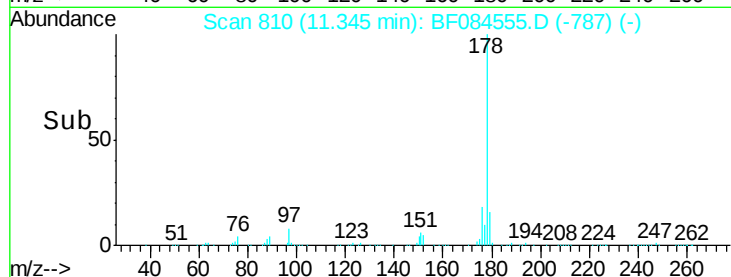
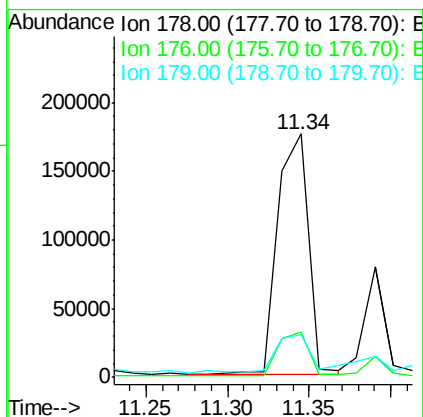
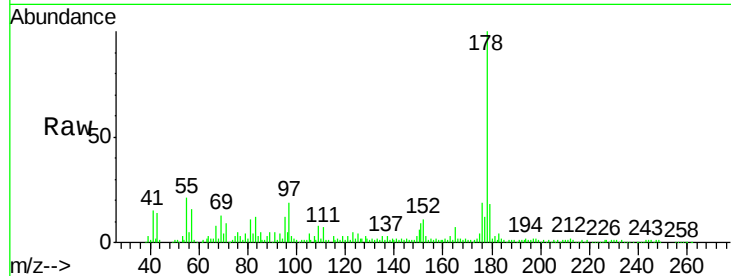
#70
Phenanthrene
Concen: 6.88 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	17.7	12.0	18.0

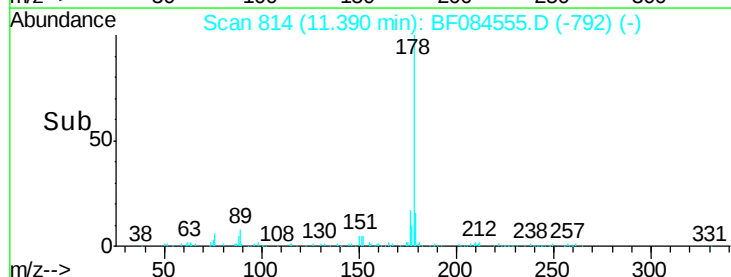
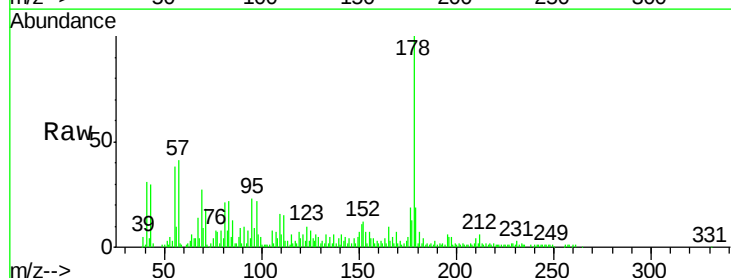
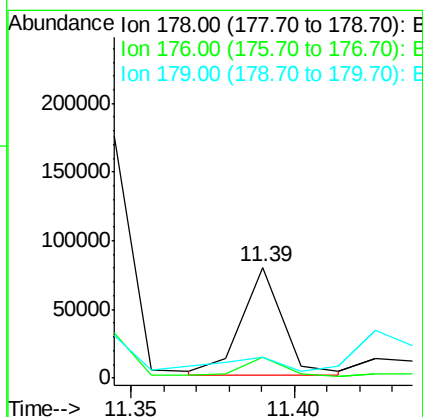
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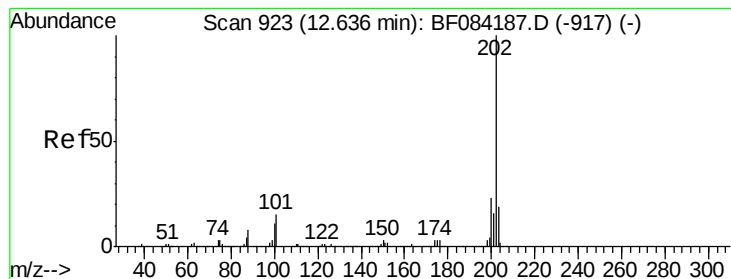
mohammad
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#71
Anthracene
Concen: 2.12 ng m
RT: 11.39 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	19.3	12.5	18.7#





#74

Fluoranthene

Concen: 10.42 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.05 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Instrument :

BNA_F

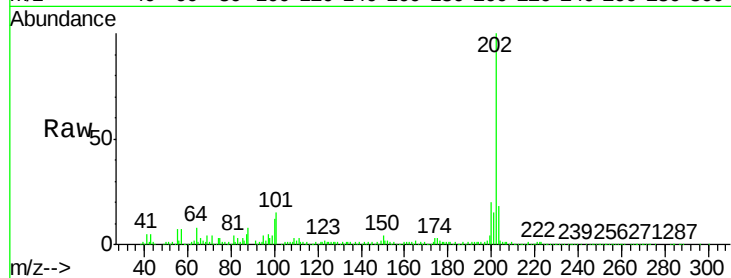
ClientSampleId :

SP-002(0-2)

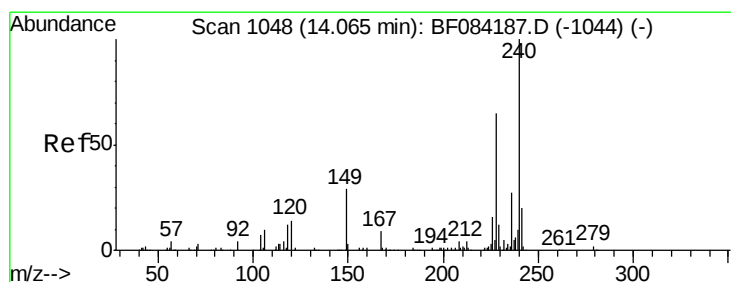
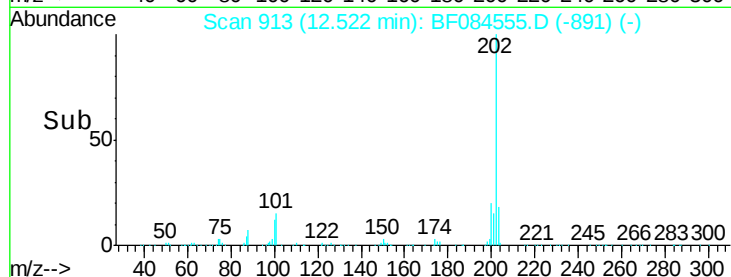
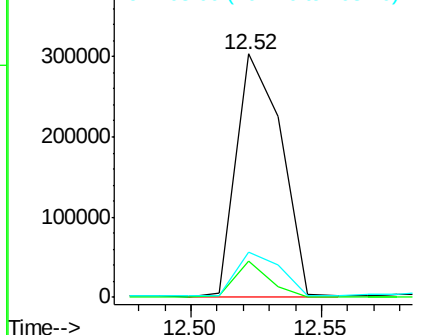
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		366412		
101	14.9	0.0	32.8		
203	18.5	0.0	37.9		

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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

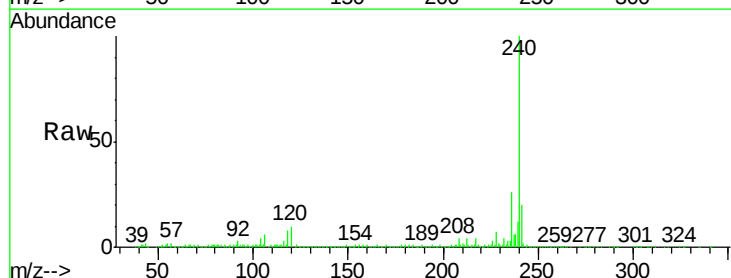
RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

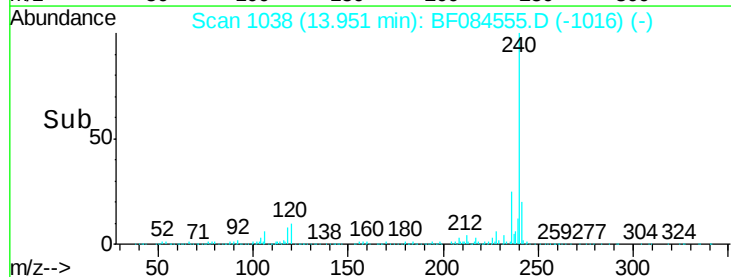
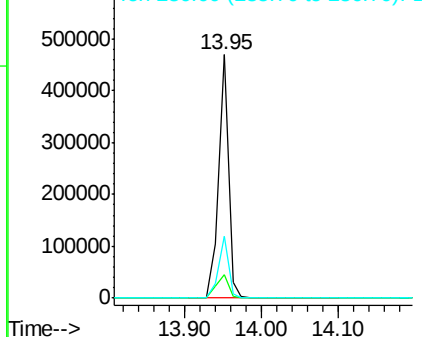
Lab File: BF084555.D

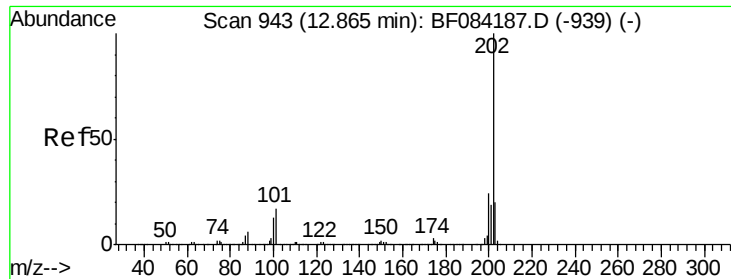
Acq: 19 Jan 2016 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		419819		
120	9.7	9.5	14.3		
236	25.5	20.6	31.0		



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: 11.51 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Instrument :

BNA_F

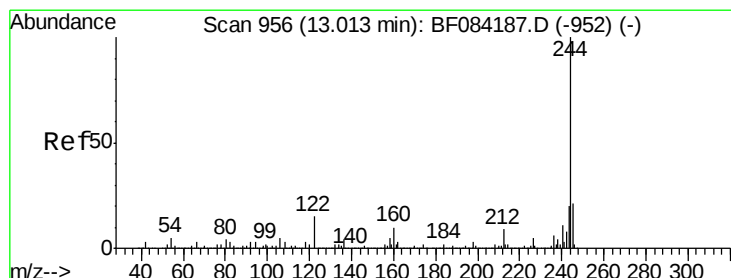
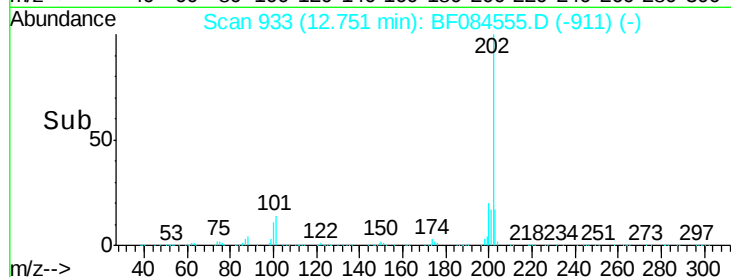
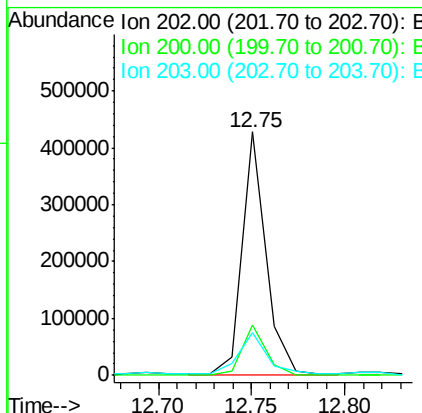
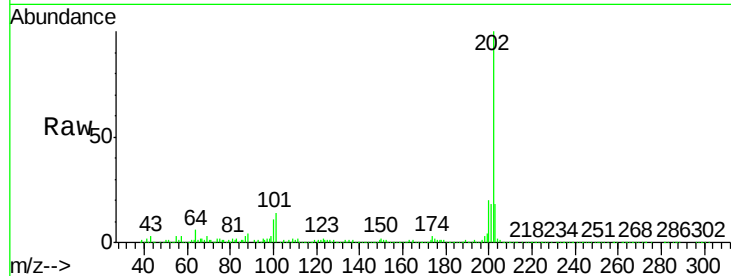
ClientSampleId :

SP-002(0-2)

Tot Ion:	202	Resp:	379334
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.2	25.8
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 60.87 ng

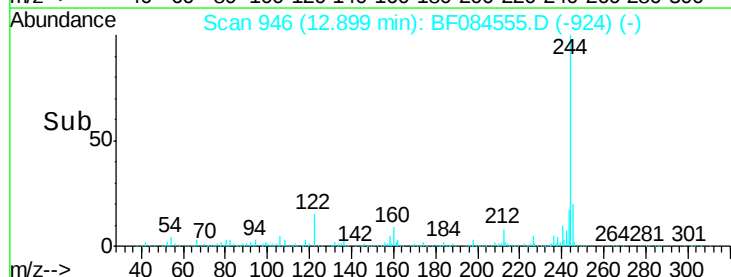
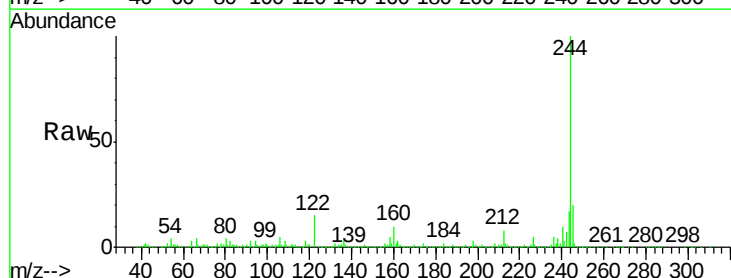
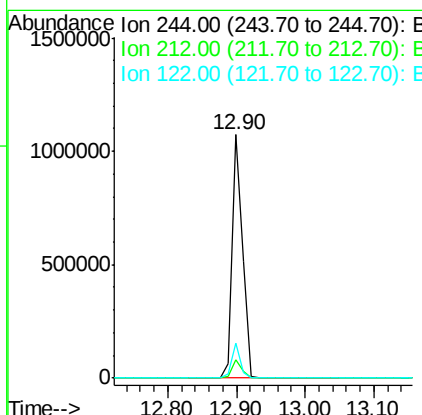
RT: 12.90 min Scan# 946

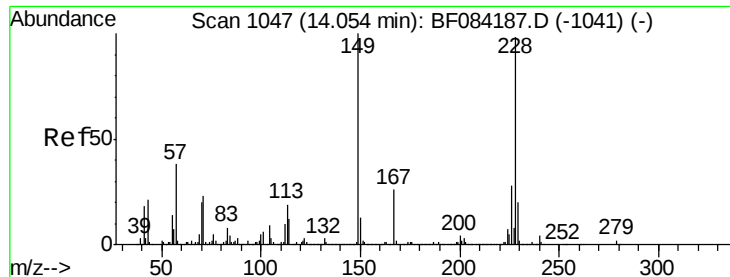
Delta R.T. -0.05 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Tgt Ion:	244	Resp:	1144863
Ion Ratio		Lower	Upper
244	100		
212	7.8	5.7	8.5
122	14.6	7.4	11.0#





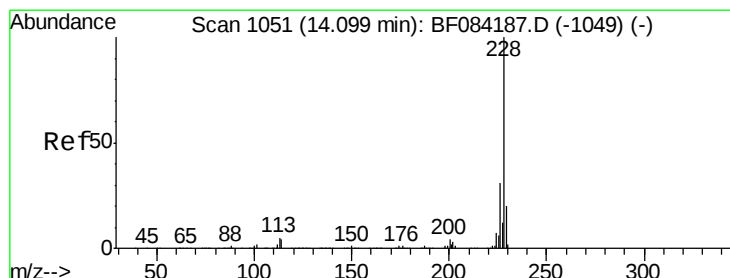
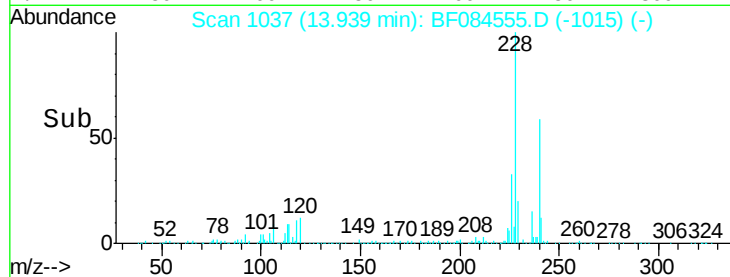
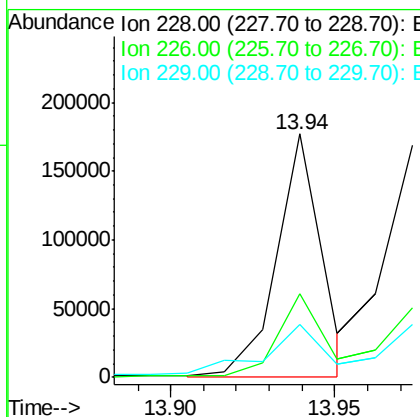
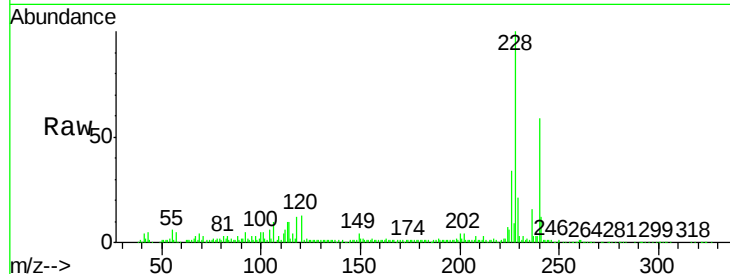
#80
Benzo(a)anthracene
Concen: 6.87 ng m
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.1	21.8	32.6#
229	21.5	15.8	23.8

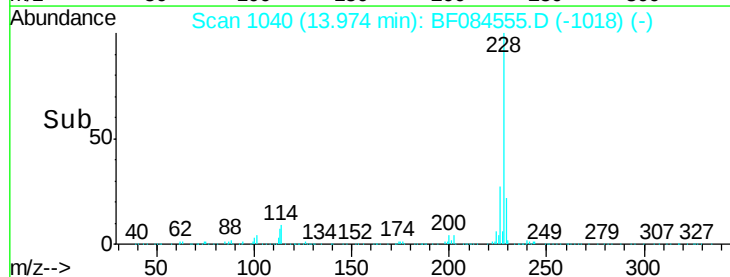
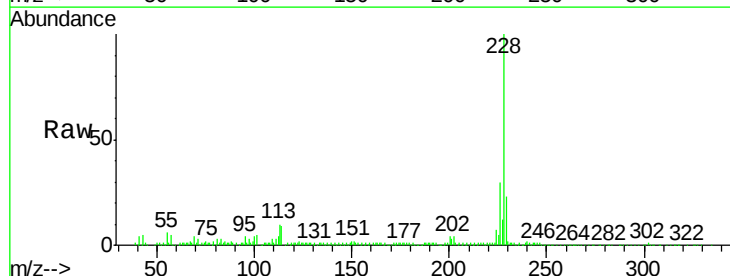
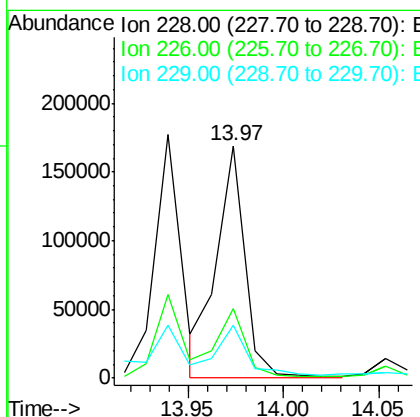
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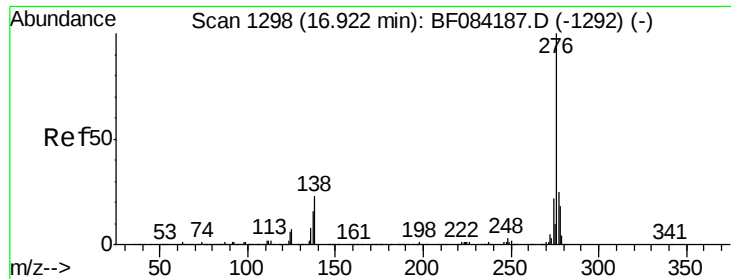
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#82
Chrysene
Concen: 7.49 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	22.7	16.1	24.1





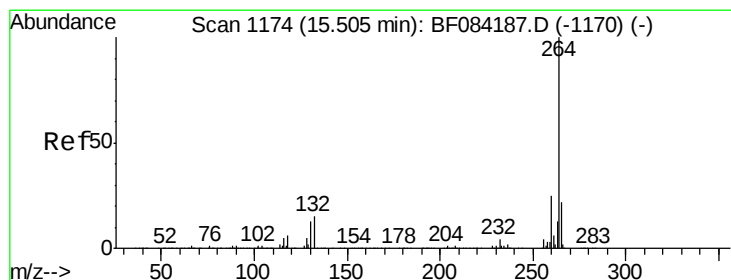
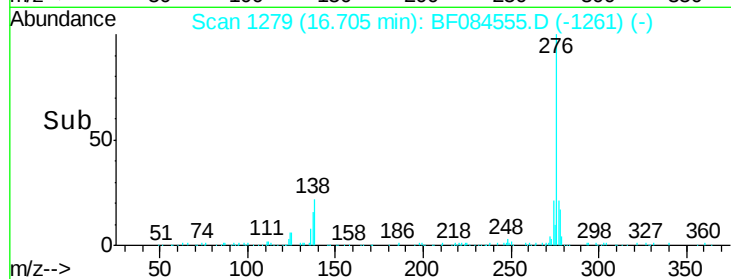
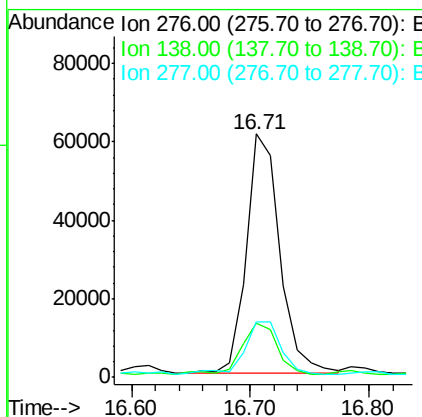
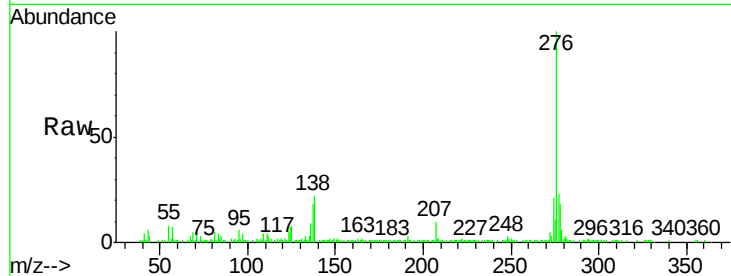
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.45 ng
 RT: 16.71 min Scan# 1279
 Delta R.T. -0.09 min
 Lab File: BF084555.D
 Acq: 19 Jan 2016 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.6	30.8
277	24.3	20.1	30.1

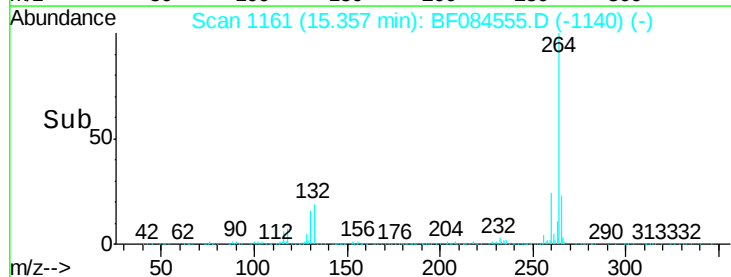
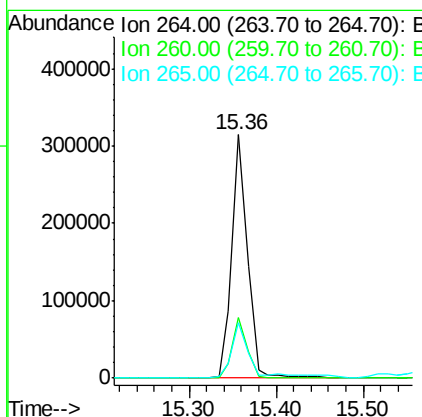
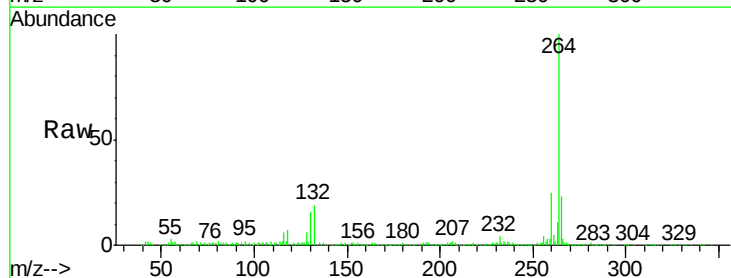
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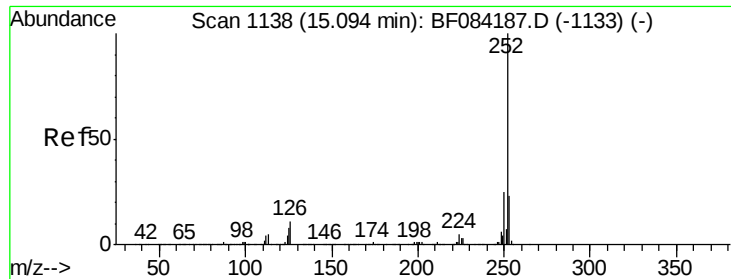
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BF084555.D
 Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	23.0	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 8.73 ng m

RT: 14.96 min Scan# 1126

Delta R.T. -0.06 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Instrument :

BNA_F

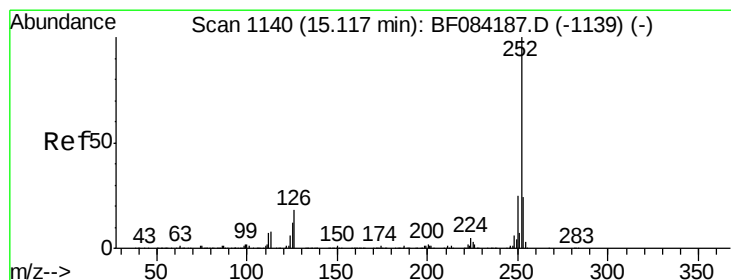
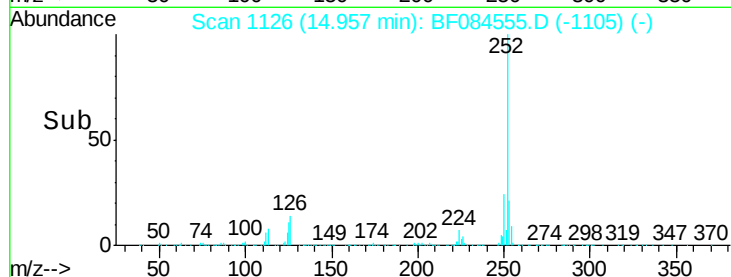
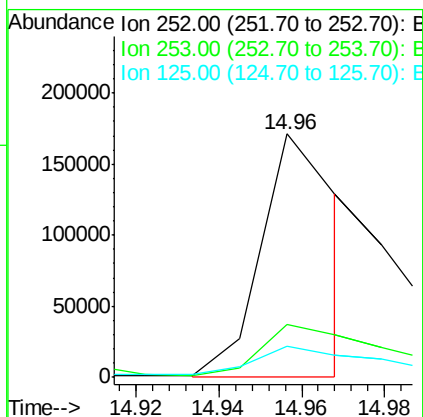
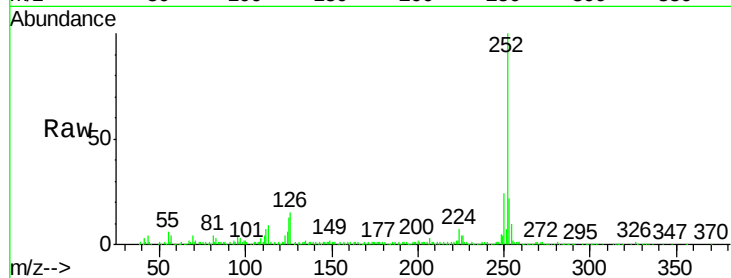
ClientSampleId :

SP-002(0-2)

Tot Ion:	252	Resp:	224778
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	12.6	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 4.94 ng m

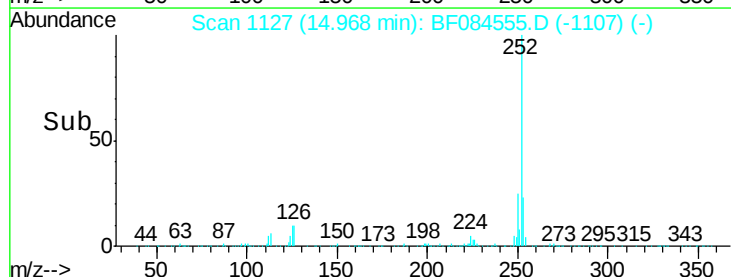
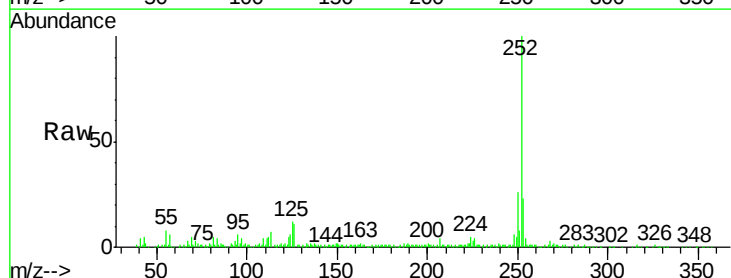
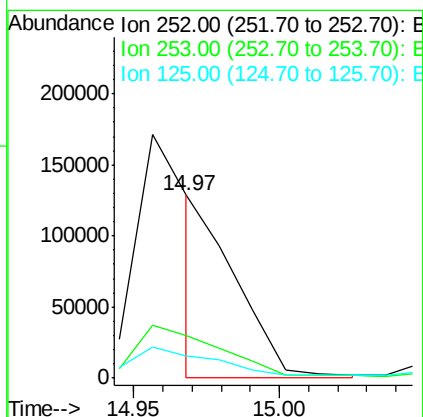
RT: 14.97 min Scan# 1127

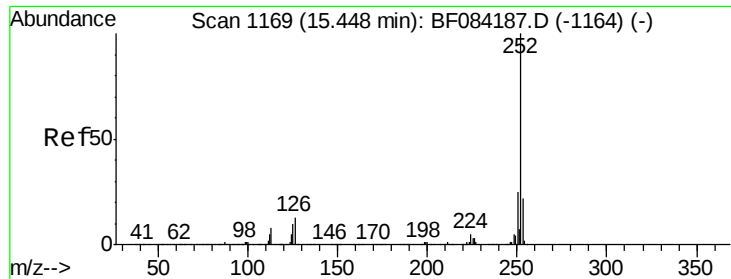
Delta R.T. -0.07 min

Lab File: BF084555.D

Acq: 19 Jan 2016 16:38

Tgt Ion:	252	Resp:	104080
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	11.8	9.0	13.6





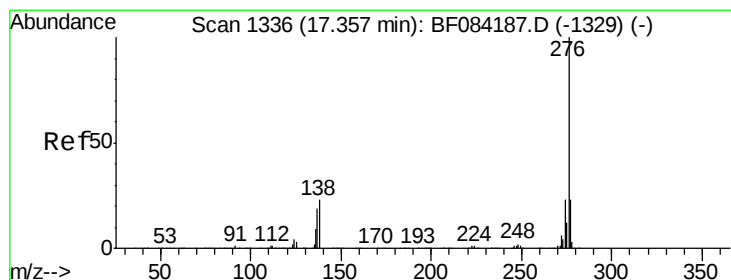
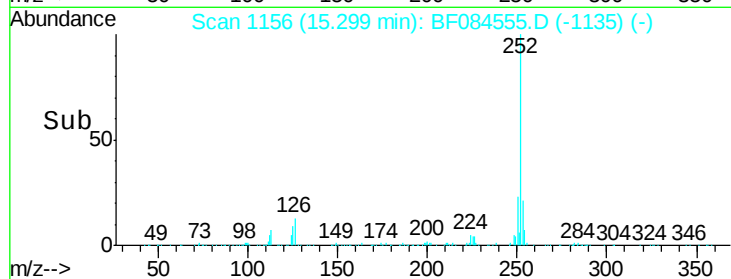
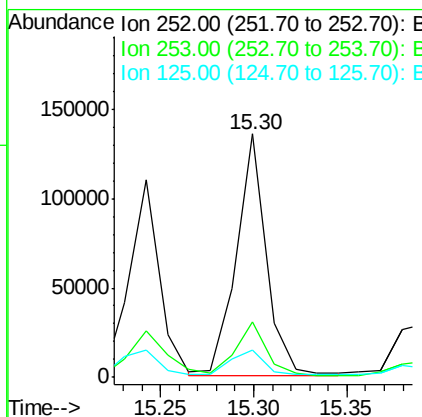
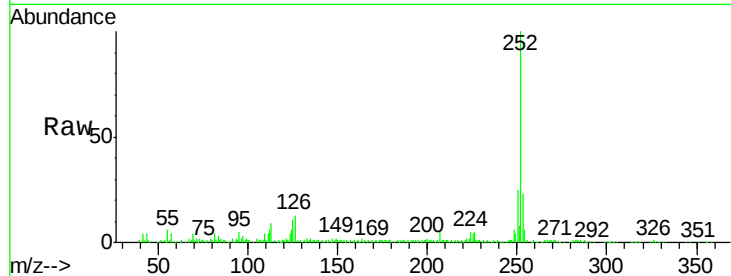
#89
Benzo(a)pyrene
Concen: 6.98 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.3	7.0	10.4

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#91
Benzo(g,h,i)perylene
Concen: 6.24 ng
RT: 17.12 min Scan# 1315
Delta R.T. -0.10 min
Lab File: BF084555.D
Acq: 19 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	23.8	17.8	26.6

