

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084557.D
 Acq On : 19 Jan 2016 17:34
 Operator : SJ/UM
 Sample : H1169-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)

Manual Integrations
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Quant Time: Jan 20 03:32:01 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	217671	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	820440	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	409493	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	667130	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	451280	20.00	ng	-0.05
86) Perylene-d12	15.36	264	410688	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1475414	109.64	ng	-0.03
7) Phenol-d6	6.44	99	1965740	116.31	ng	-0.03
23) Nitrobenzene-d5	7.36	82	1123259	76.20	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	441828	106.87	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1831690	78.18	ng	-0.03
78) Terphenyl-d14	12.90	244	1284757	63.55	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.10	128	129265m	3.47	ng	
37) 2-Methylnaphthalene	8.80	142	122468	4.58	ng	99
49) Dimethylphthalate	9.55	163	364785	12.46	ng	# 91
70) Phenanthrene	11.33	178	99719	2.86	ng	96
74) Fluoranthene	12.52	202	270938	7.43	ng	99
77) Pyrene	12.75	202	264728	7.48	ng	99
80) Benzo(a)anthracene	13.94	228	125326m	4.73	ng	
82) Chrysene	13.97	228	121722m	4.78	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	83320	4.13	ng	94
87) Benzo(b)fluoranthene	14.96	252	165722m	6.17	ng	
88) Benzo(k)fluoranthene	14.97	252	71355m	3.25	ng	
89) Benzo(a)pyrene	15.30	252	106523	4.67	ng	# 96
91) Benzo(a,h,i)perylene	17.12	276	73960	3.64	ng	99

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

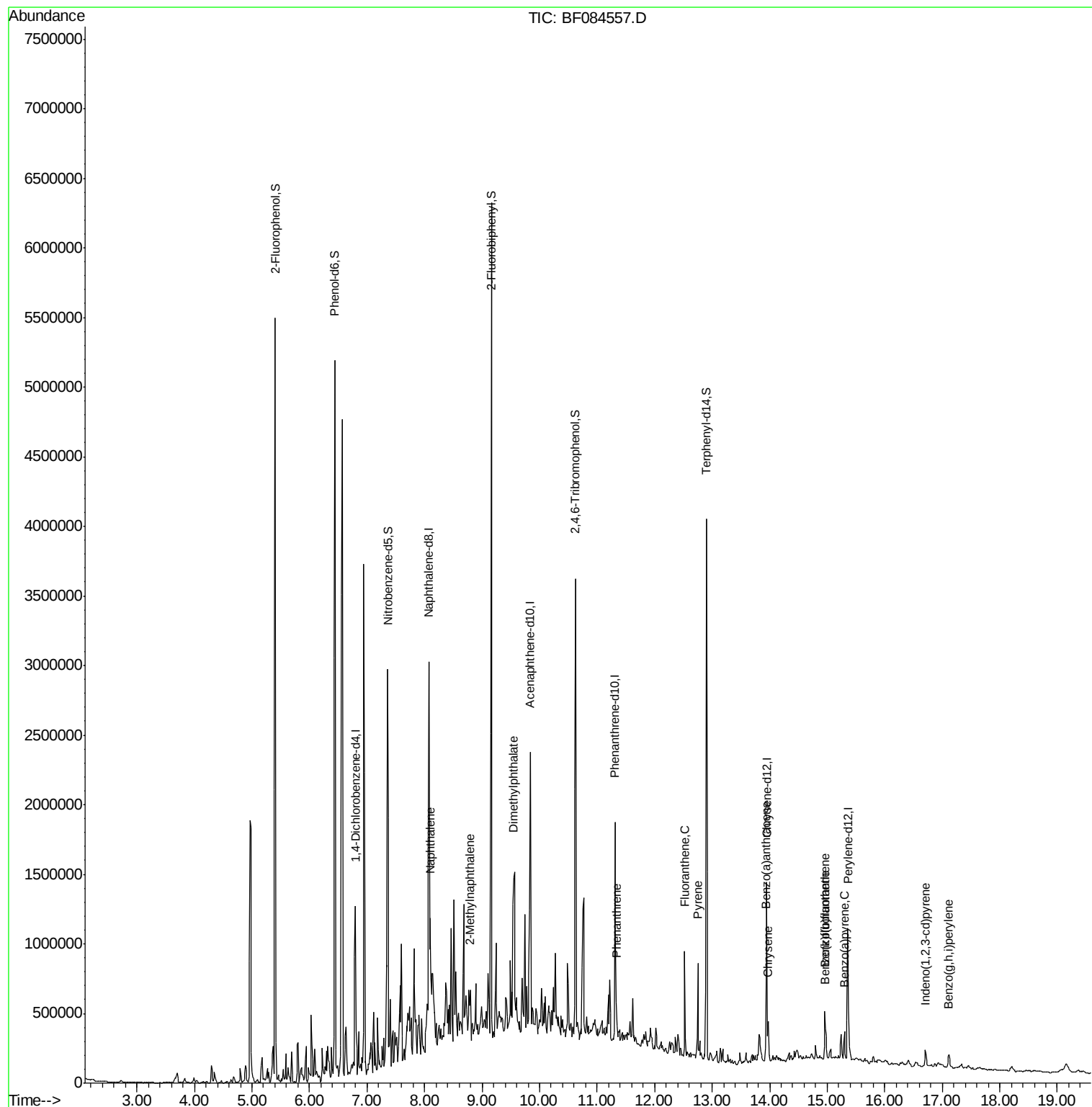
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
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Quant Time: Jan 20 03:32:01 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Instrument :

BNA_F

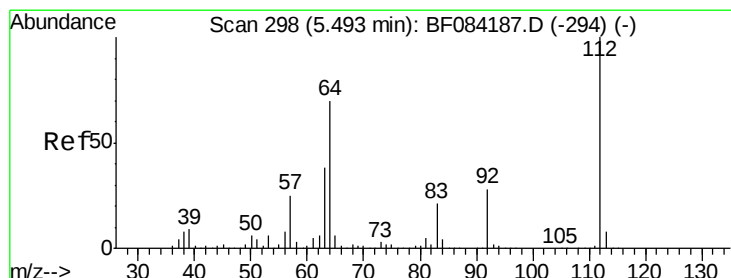
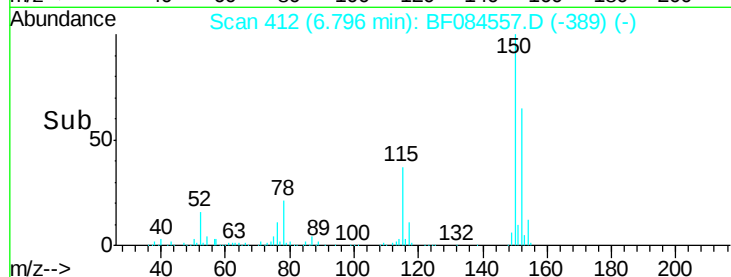
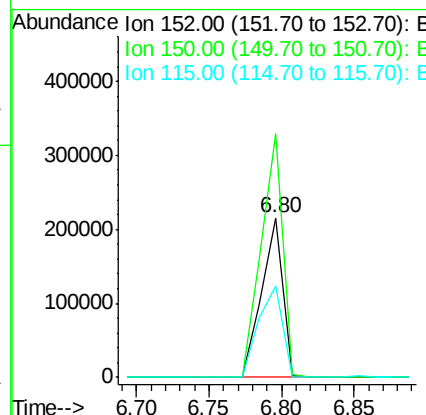
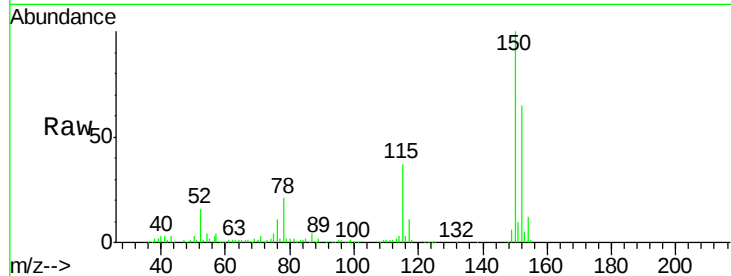
ClientSampleId :

SP-004(0-2)

Tot Ion:	152	Resp:	217671
Ion Ratio	Lower	Upper	
152	100		
150	152.8	123.0	184.4
115	57.1	51.4	77.2

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#5

2-Fluorophenol

Concen: 109.64 ng

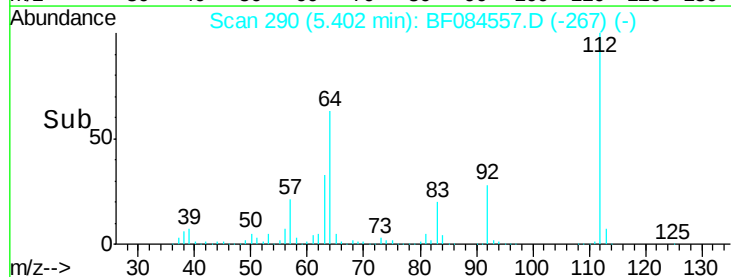
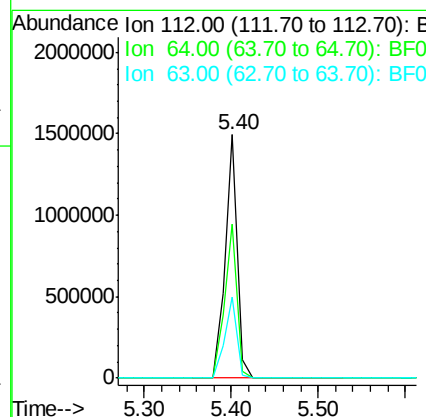
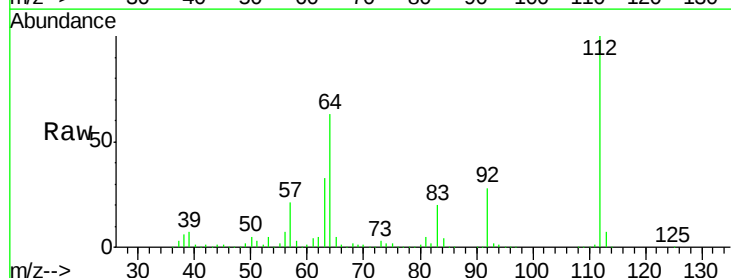
RT: 5.40 min Scan# 290

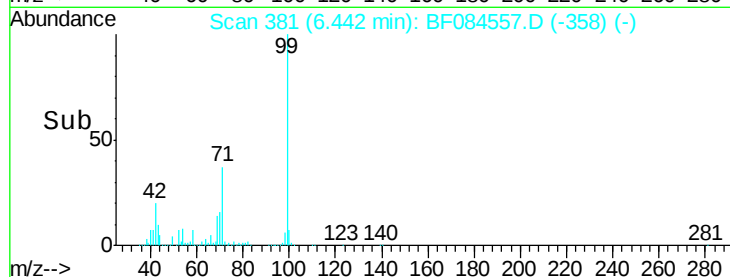
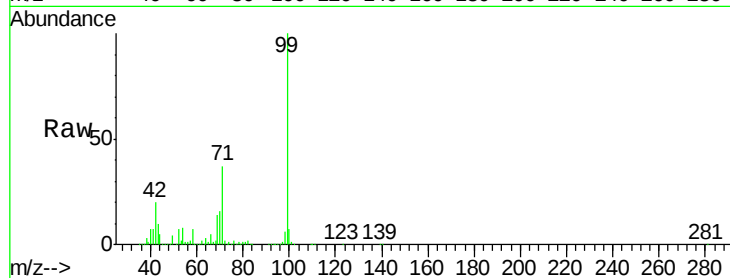
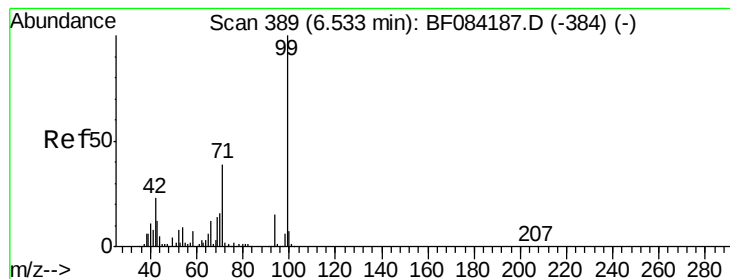
Delta R.T. -0.03 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Tgt Ion:	112	Resp:	1475414
Ion Ratio	Lower	Upper	
112	100		
64	63.1	36.6	55.0#
63	33.3	19.4	29.0#





#7

Phenol-d6

Concen: 116.31 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Tot Ion: 99 Resp: 1965740

Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.8	19.2#
71	37.4	30.9	46.3

Instrument :

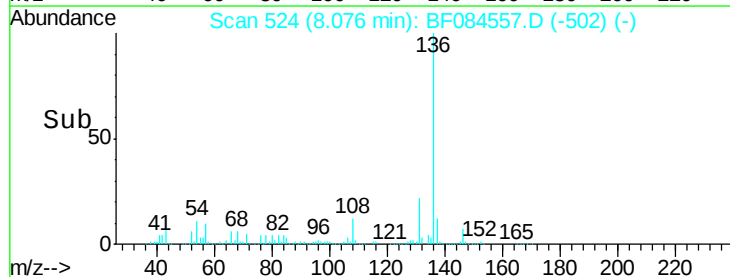
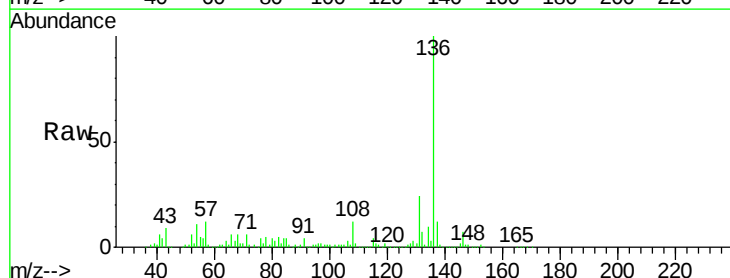
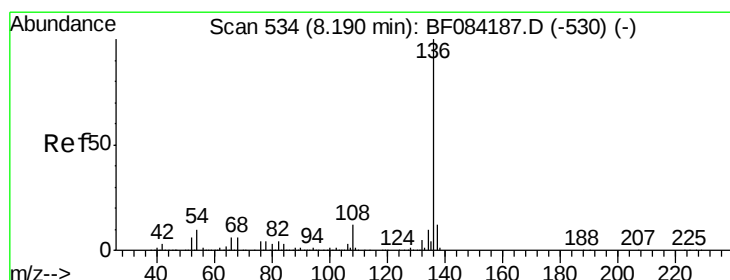
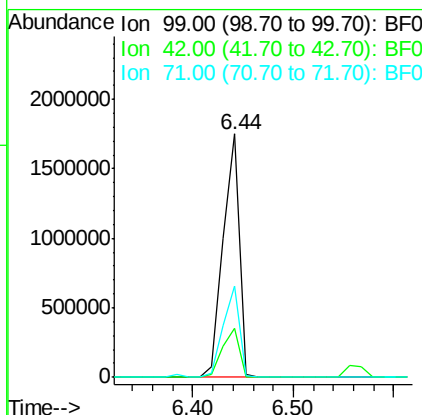
BNA_F

ClientSampleId :

SP-004(0-2)

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

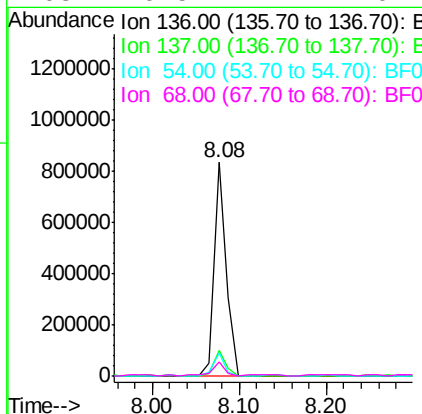
Delta R.T. -0.05 min

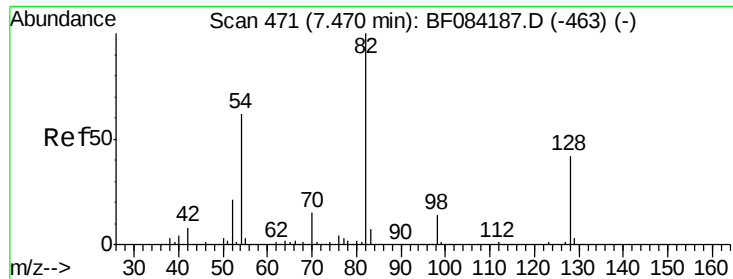
Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Tgt Ion: 136 Resp: 820440

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	11.0	5.8	8.8#
68	6.5	4.2	6.2#





#23

Nitrobenzene-d5

Concen: 76.20 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Instrument :

BNA_F

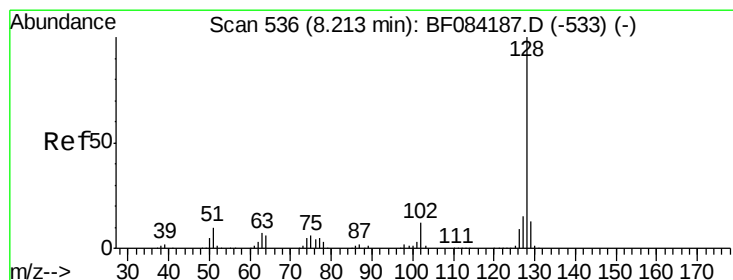
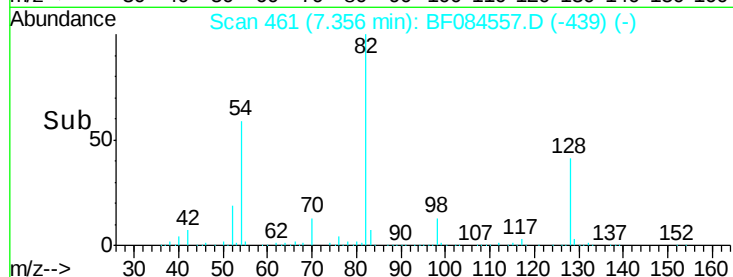
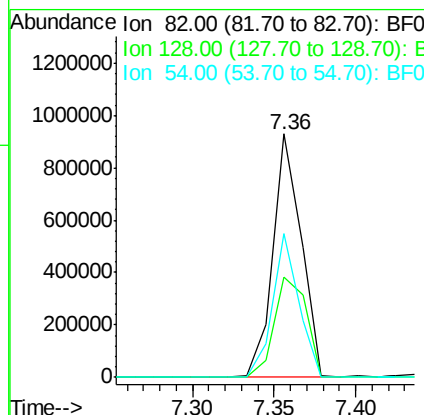
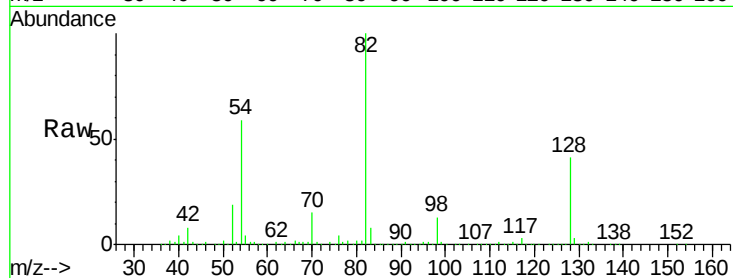
ClientSampleId :

SP-004(0-2)

Tot Ion	82	Resp	1123259
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.6	51.8
54	59.3	38.4	57.6

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#31

Naphthalene

Concen: 3.47 ng m

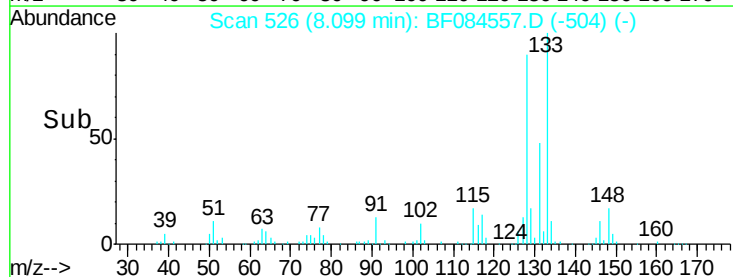
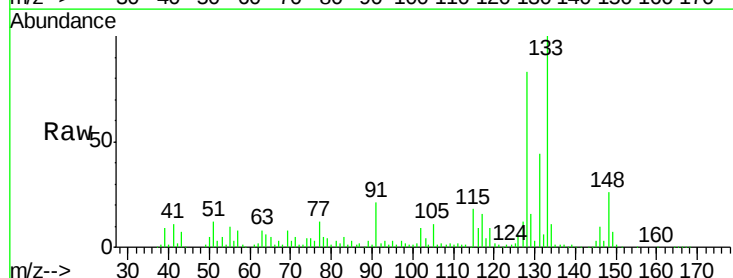
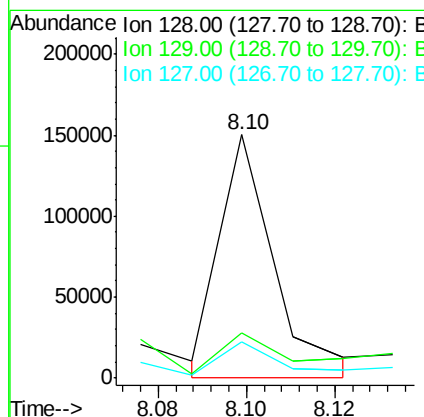
RT: 8.10 min Scan# 526

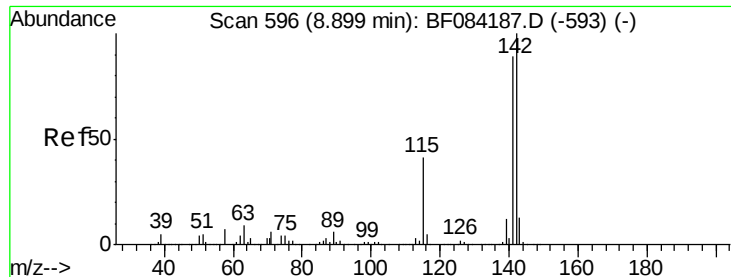
Delta R.T. -0.05 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Tgt Ion	128	Resp	129265
Ion	Ratio	Lower	Upper
128	100		
129	18.8	9.1	13.7
127	14.9	11.1	16.7





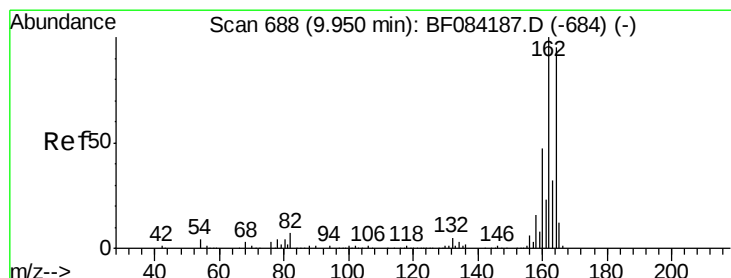
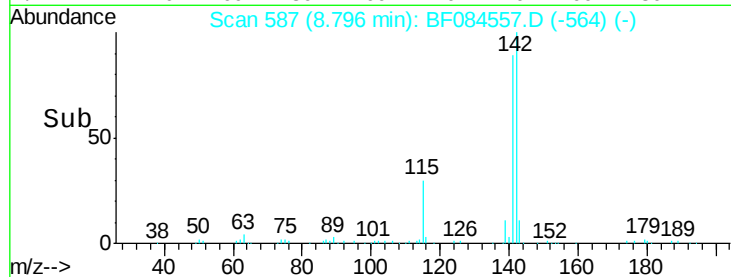
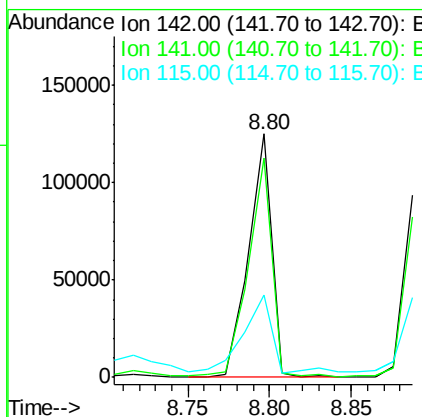
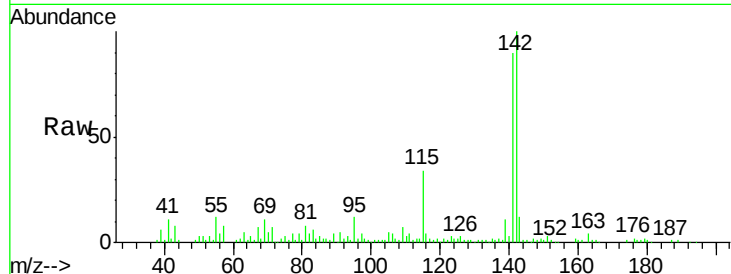
#37
2-Methylnaphthalene
Concen: 4.58 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.03 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.4	108.6
115	33.7	27.9	41.9

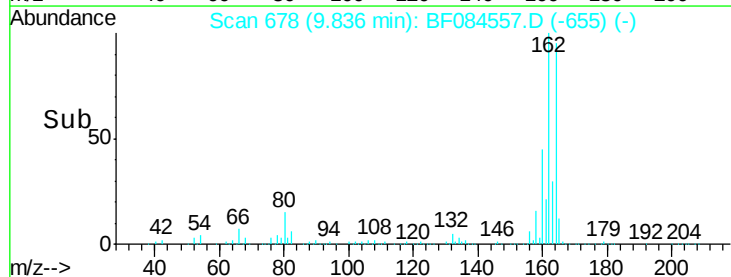
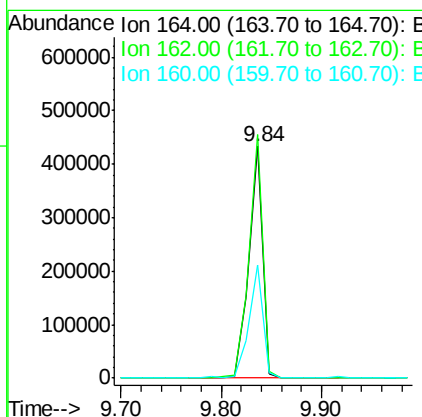
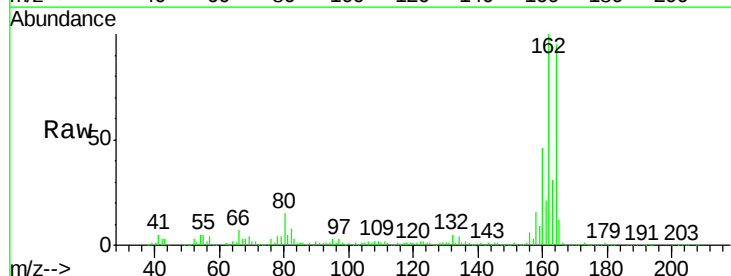
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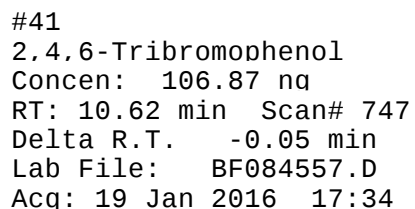
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.1	127.7
160	48.6	37.5	56.3



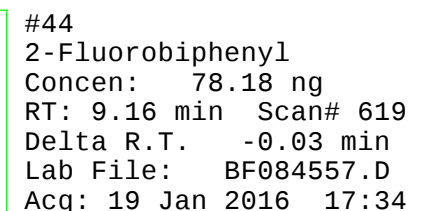
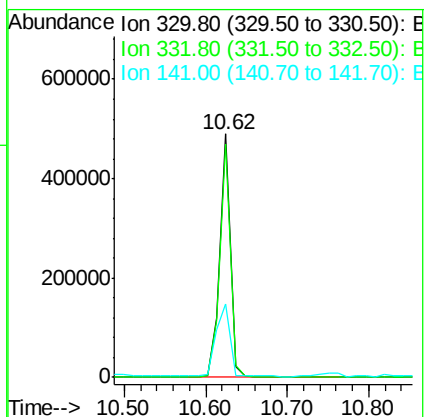


Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

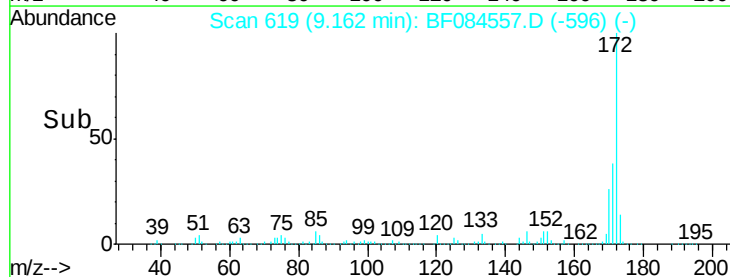
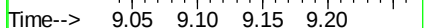
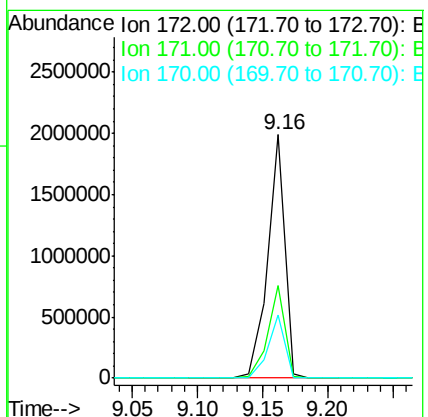
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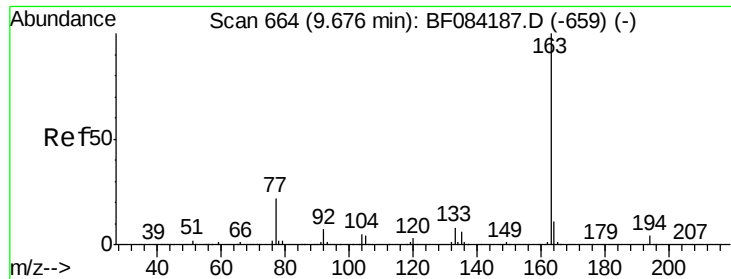
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Tot	Ion:330	Resp:	441828
Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	39.5	27.8	41.6



Tgt	Ion:172	Resp:	1831690
Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.9	43.3
170	26.2	18.6	27.8





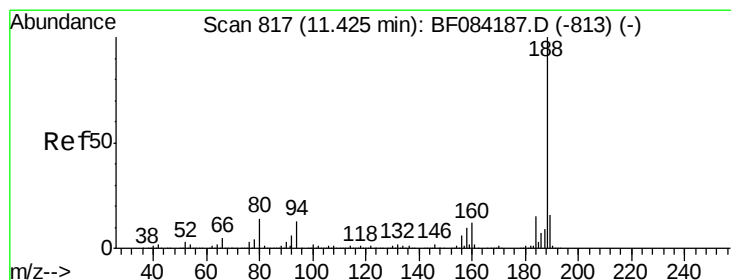
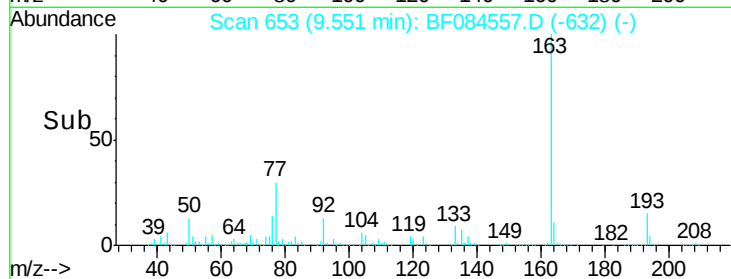
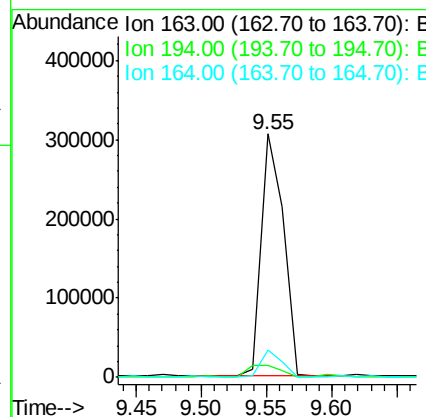
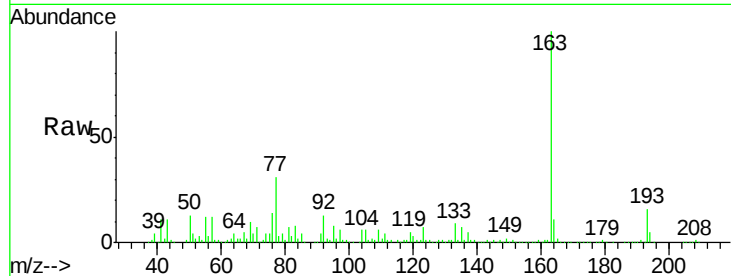
#49
Dimethylphthalate
Concen: 12.46 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.06 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.7	8.0	12.0#
164	11.3	8.0	12.0

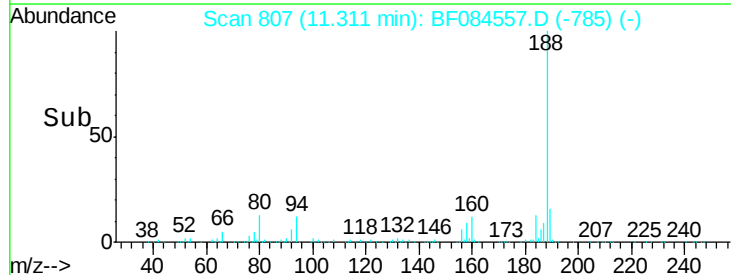
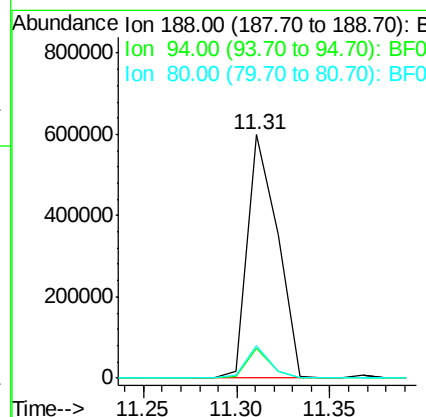
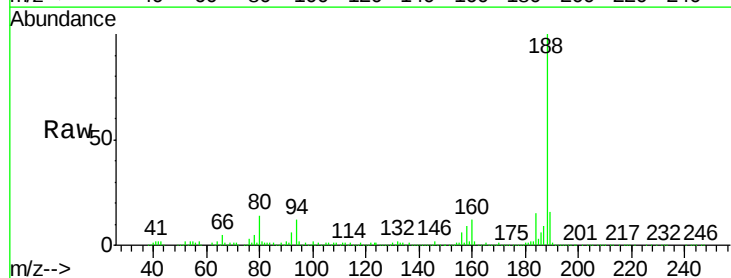
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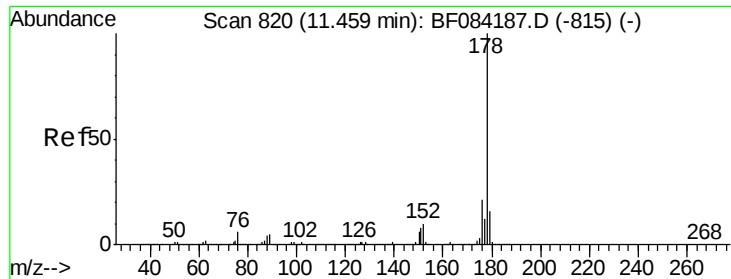
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.4	9.0	13.4
80	13.6	9.6	14.4





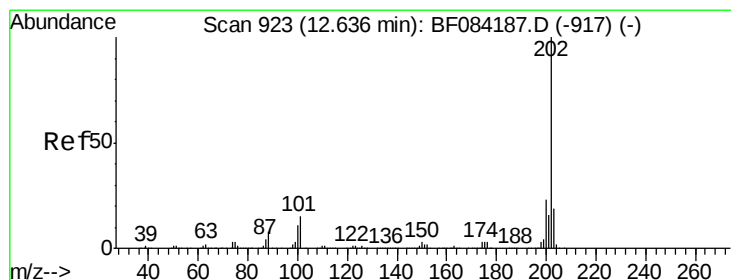
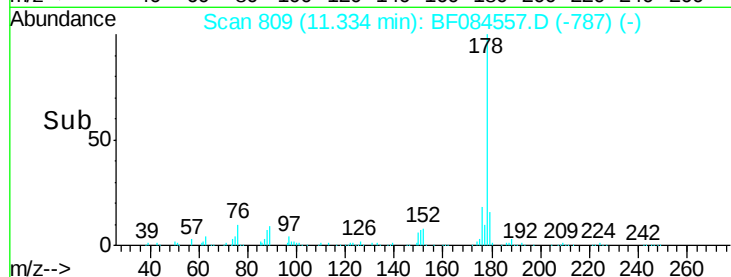
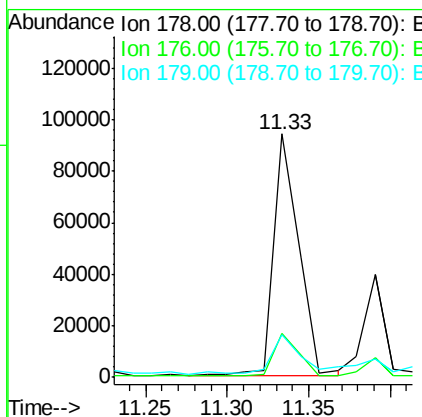
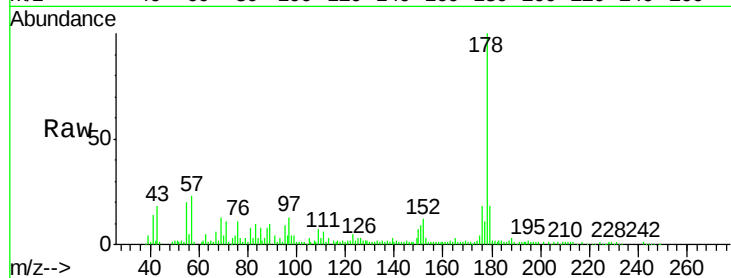
#70
Phenanthrene
Concen: 2.86 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.3	15.3	22.9	
179	17.7	12.0	18.0	

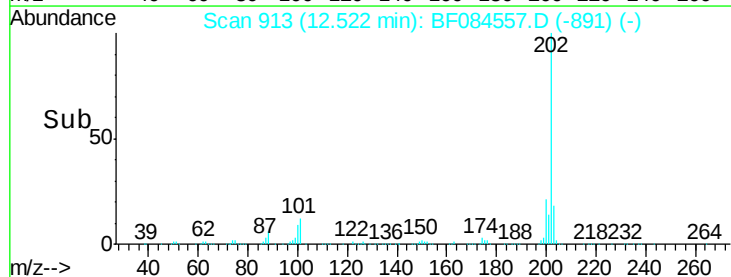
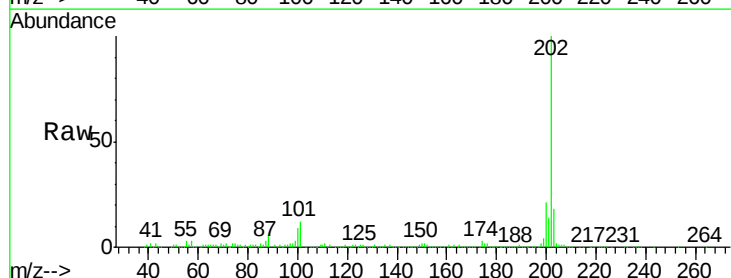
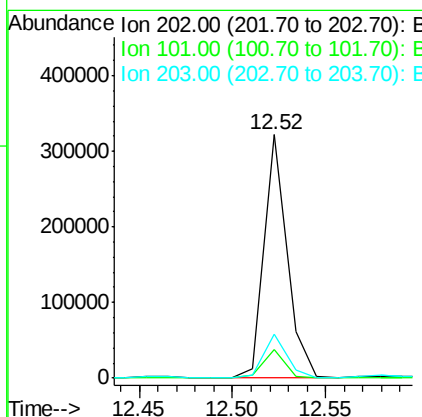
Manual Integrations
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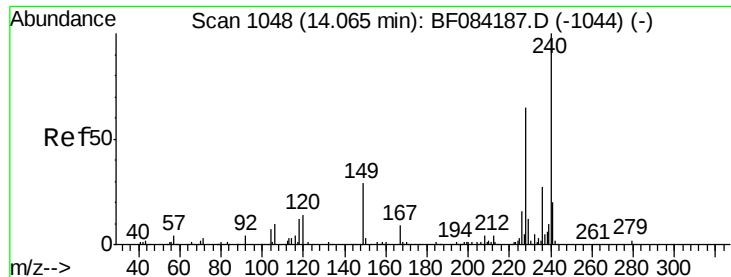
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#74
Fluoranthene
Concen: 7.43 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.05 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.7	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: BF084557.D

Acq: 19 Jan 2016 17:34

Instrument :

BNA_F

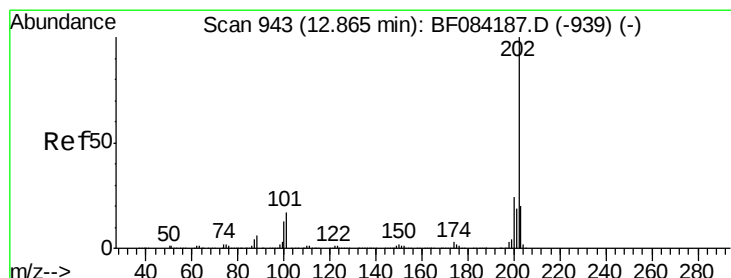
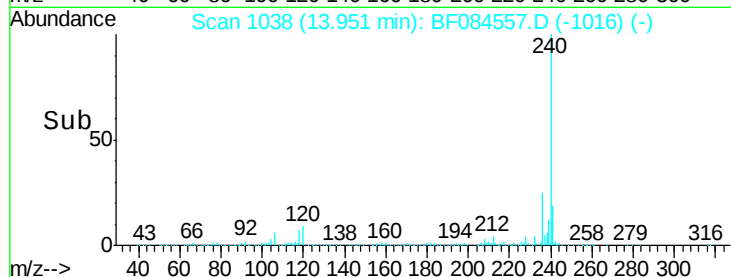
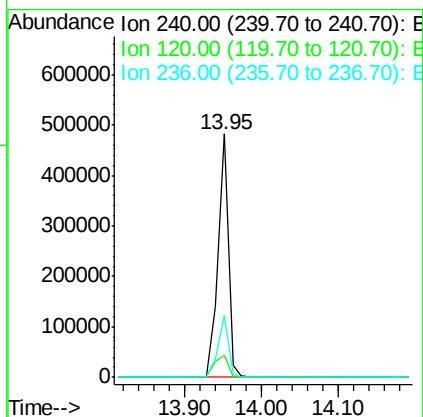
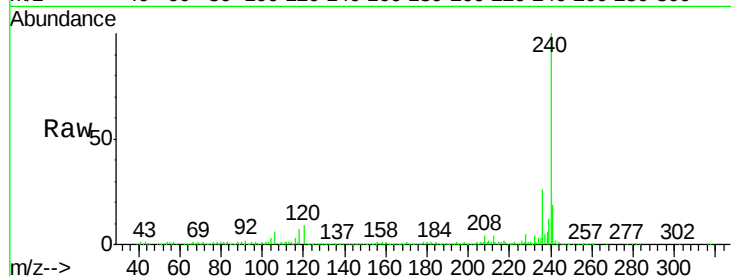
ClientSampleId :

SP-004(0-2)

Tot Ion:	240	Resp:	451280
Ion Ratio		Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	25.6	20.6	31.0

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#77

Pyrene

Concen: 7.48 ng

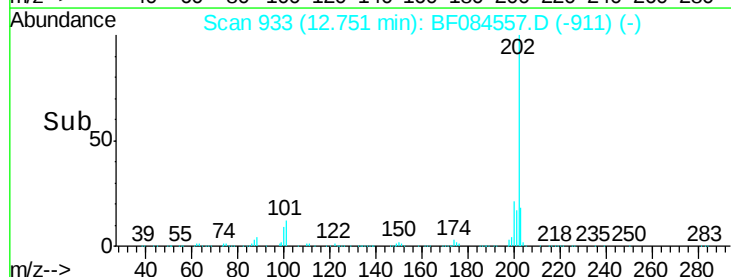
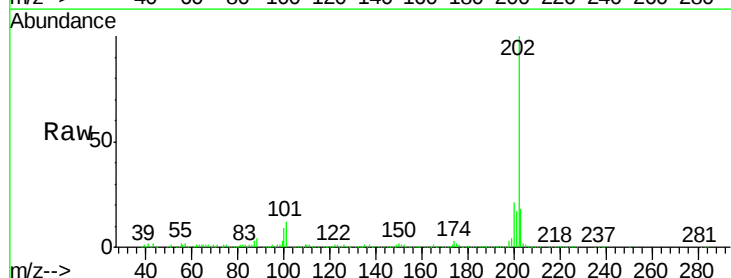
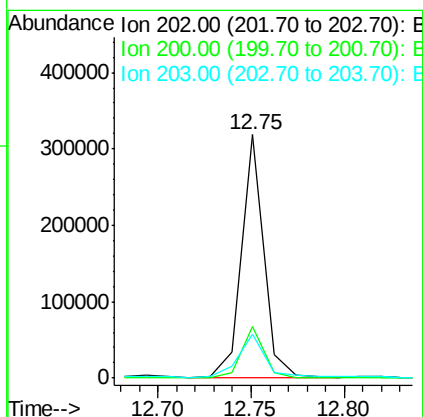
RT: 12.75 min Scan# 933

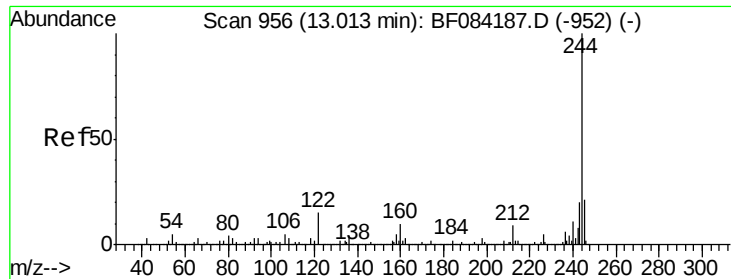
Delta R.T. -0.05 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Tgt Ion:	202	Resp:	264728
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 63.55 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)

Tot Ion:244 Resp: 1284757

Ion Ratio Lower Upper

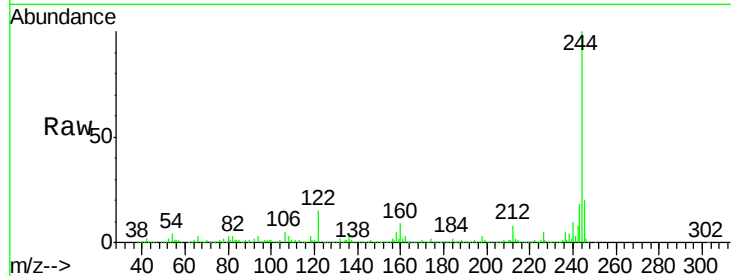
244 100

212 7.8 5.7 8.5

122 14.6 7.4 11.0#

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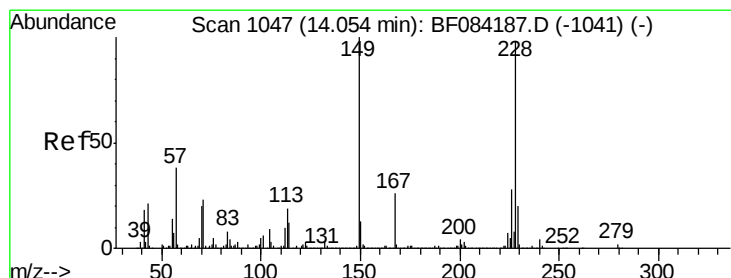
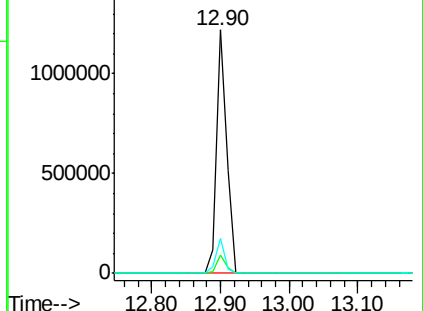
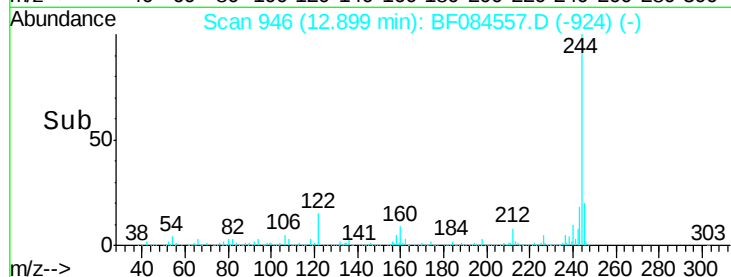
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.73 ng m

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

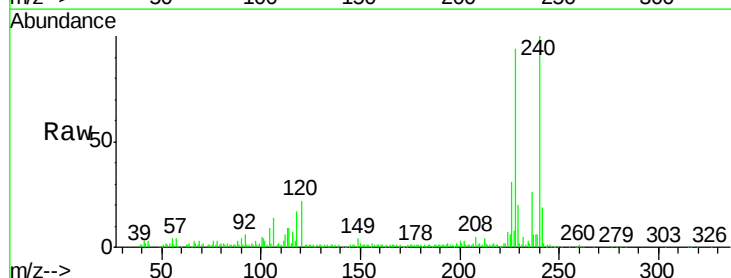
Tgt Ion:228 Resp: 125326

Ion Ratio Lower Upper

228 100

226 33.4 21.8 32.6#

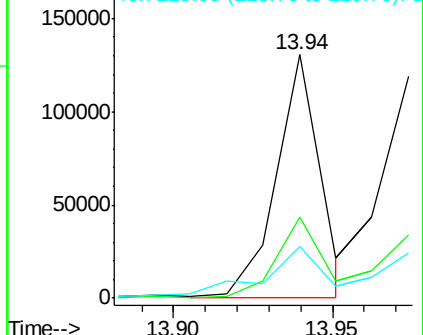
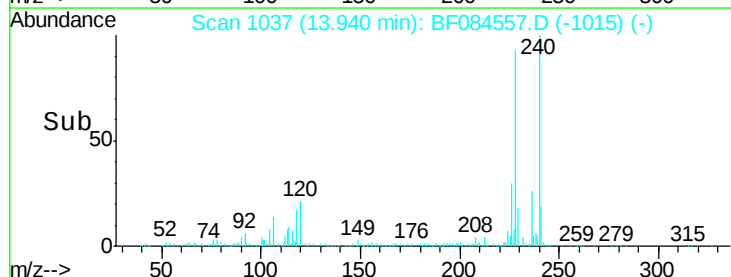
229 21.0 15.8 23.8

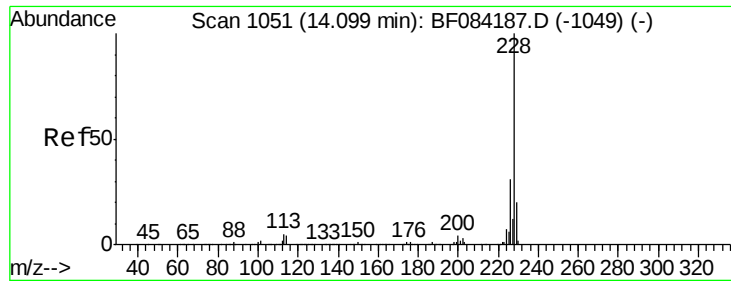


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.78 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Instrument :

BNA_F

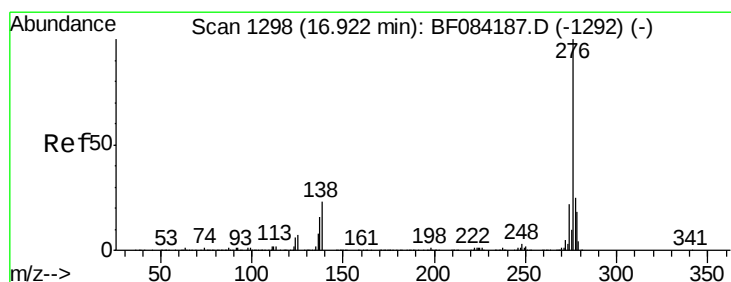
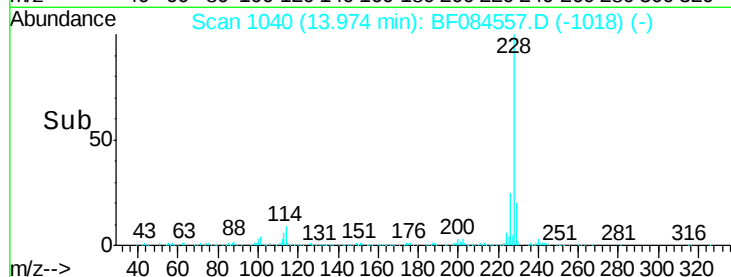
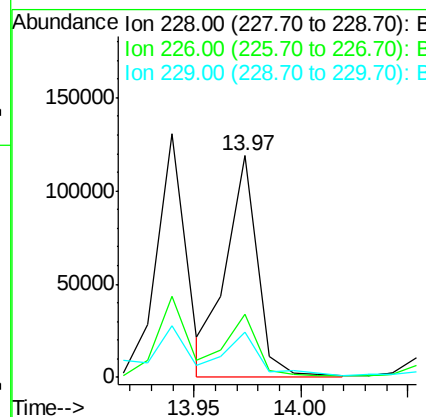
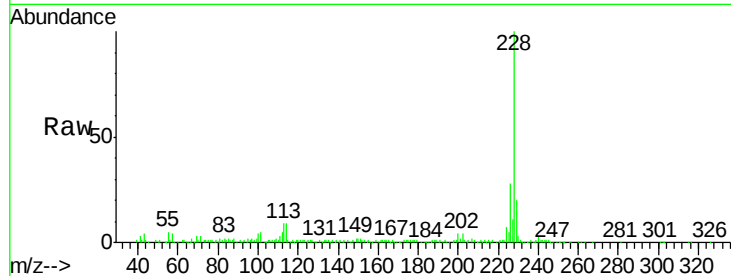
ClientSampleId :

SP-004(0-2)

Tot Ion:	228	Resp:	121722
Ion Ratio	Lower	Upper	
228	100		
226	28.5	24.3	36.5
229	20.3	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.13 ng/mL

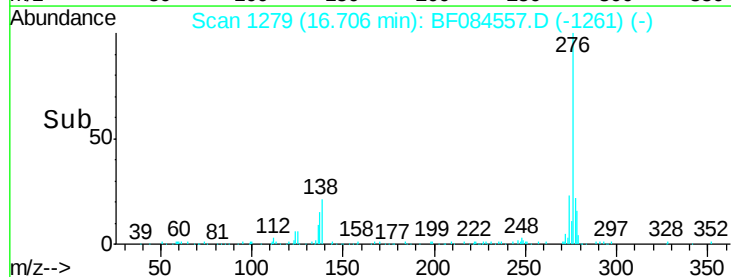
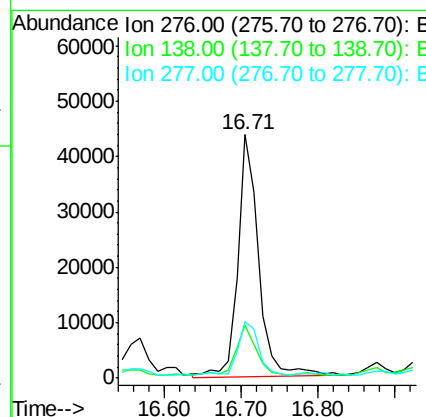
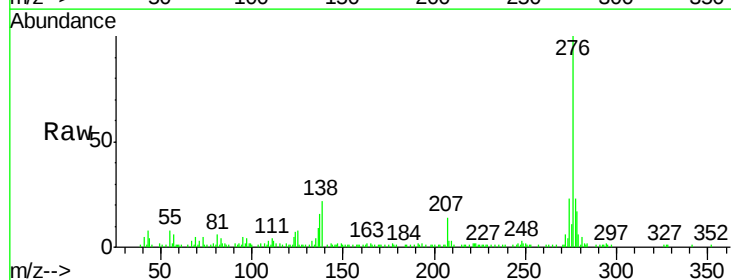
RT: 16.71 min Scan# 1279

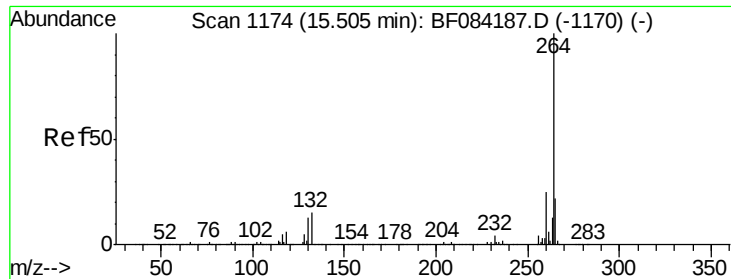
Delta R.T. -0.09 min

Lab File: BF084557.D

Acq: 19 Jan 2016 17:34

Tgt Ion:	276	Resp:	83320
Ion Ratio	Lower	Upper	
276	100		
138	21.2	20.6	30.8
277	23.6	20.1	30.1





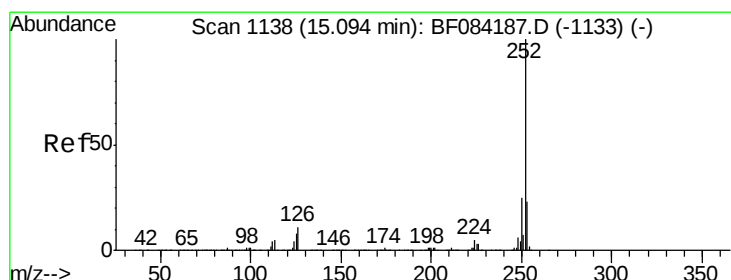
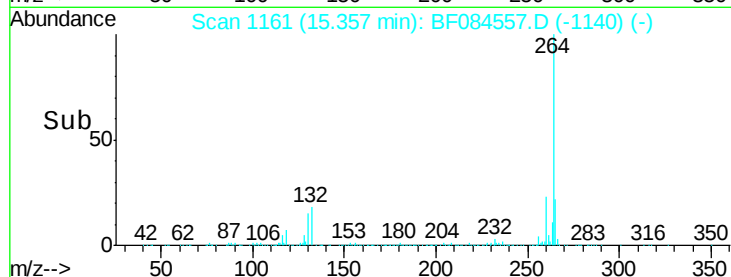
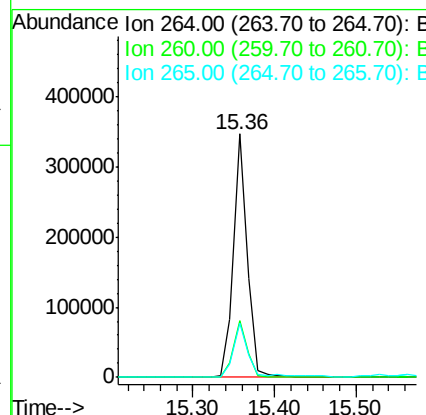
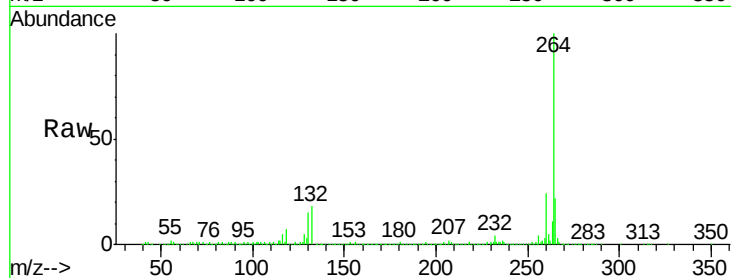
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.06 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

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

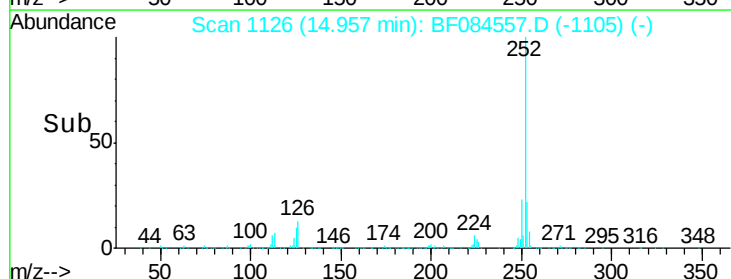
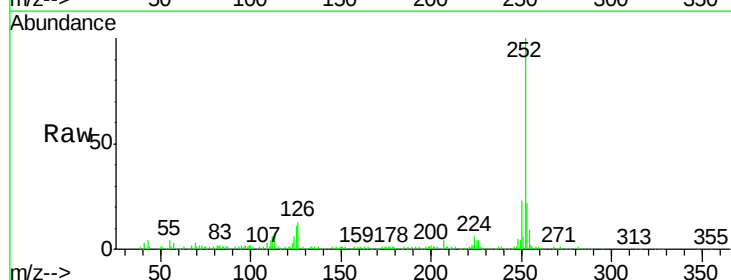
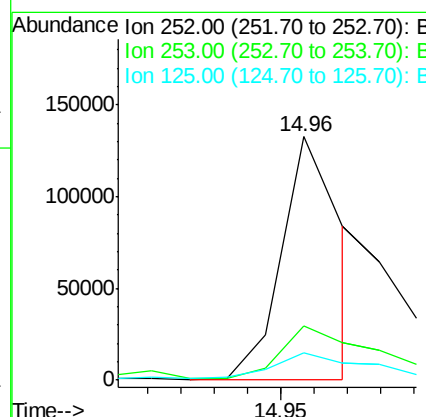
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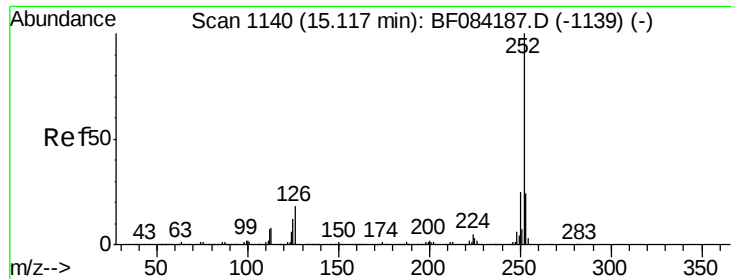
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#87
Benzo(b)fluoranthene
Concen: 6.17 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	17.3	25.9	
125	11.4	6.5	9.7#	





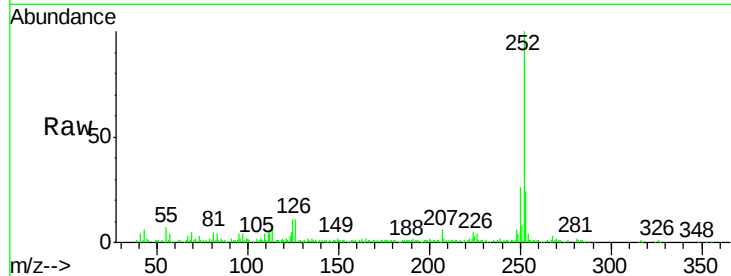
#88
Benzo(k)fluoranthene
Concen: 3.25 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.07 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

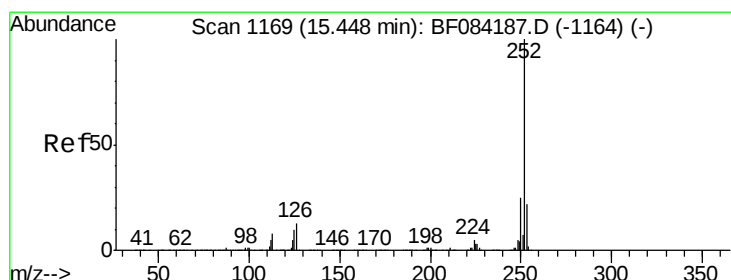
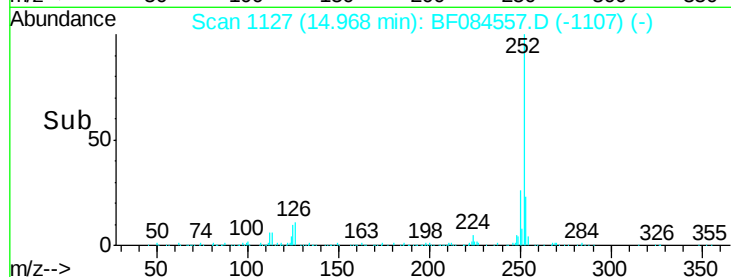
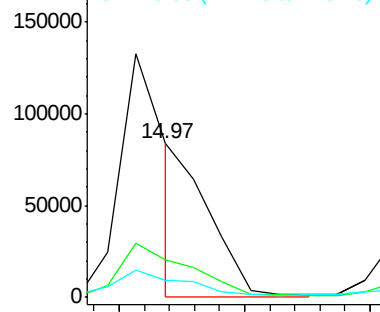
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	11.3	9.0	13.6

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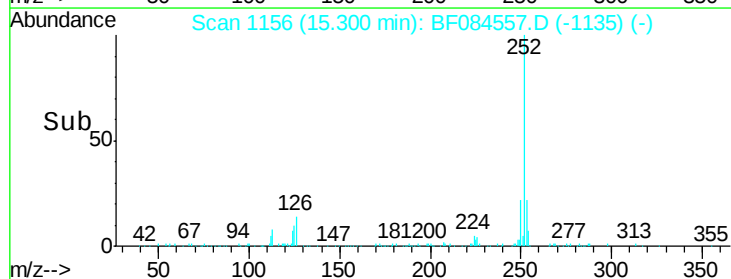
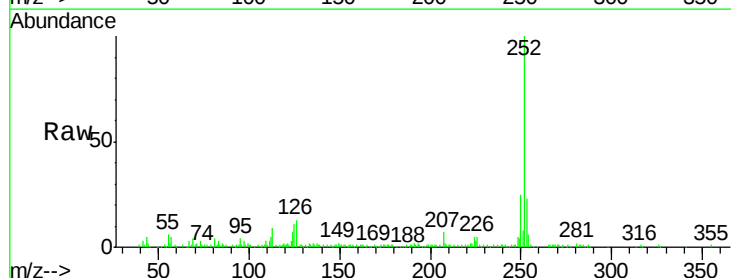
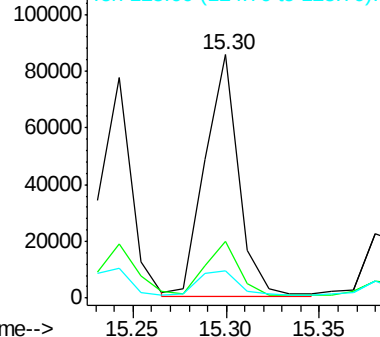
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

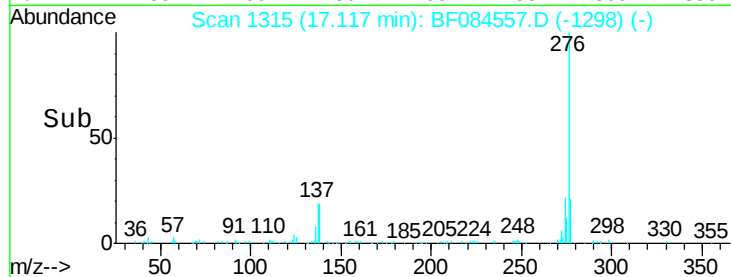
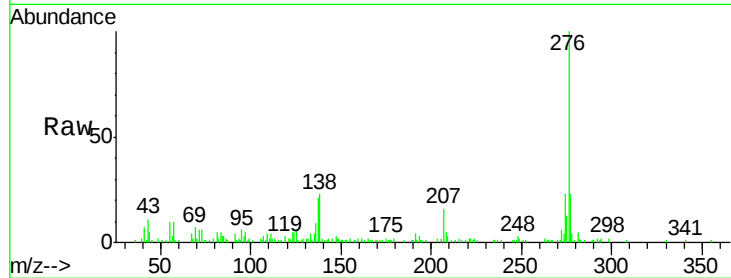
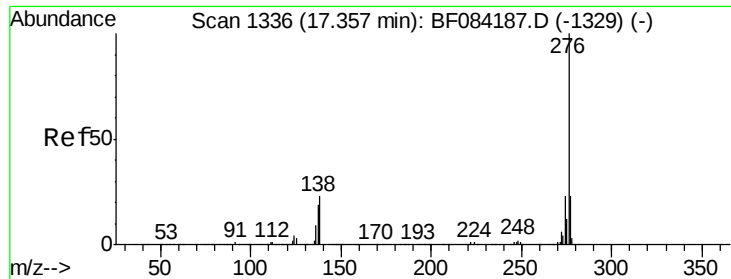


#89
Benzo(a)pyrene
Concen: 4.67 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF084557.D
Acq: 19 Jan 2016 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.0	7.0	10.4

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





#91
 Benzo(a,h,i)perylene
 Concen: 3.64 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.10 min
 Lab File: BF084557.D
 Acq: 19 Jan 2016 17:34

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	22.9	17.8	26.6

Manual Integrations
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