

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113471.D
 Acq On : 1 Apr 2019 17:25
 Operator : JU/SJ
 Sample : K2186-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-TRACK-89-90-SOIL

Manual Integrations
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Quant Time: Apr 02 02:00:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	146553	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	558262	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	287635	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	547363	20.00	ng	0.00
76) Chrysene-d12	13.85	240	390645	20.00	ng	0.00
87) Perylene-d12	15.26	264	402212	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	813387	90.75	ng	0.00
7) Phenol-d6	6.36	99	1072662	94.60	ng	0.00
23) Nitrobenzene-d5	7.27	82	625951	66.55	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	316167	88.99	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1148159	56.69	ng	0.00
79) Terphenyl-d14	12.80	244	1116156	62.98	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.37	94	31023	2.397	ng	83
31) Naphthalene	8.01	128	264279	9.687	ng	# 96
37) 2-Methylnaphthalene	8.70	142	92932	5.459	ng	# 43
38) 1-Methylnaphthalene	8.80	142	40649	2.483	ng	# 97
49) Acenaphthylene	9.60	152	446081	14.915	ng	99
50) Dimethylphthalate	9.46	163	117032	5.490	ng	# 91
71) Phenanthrene	11.24	178	213500	7.854	ng	98
72) Anthracene	11.29	178	60690	2.198	ng	99
75) Fluoranthene	12.43	202	268972	8.753	ng	99
78) Pyrene	12.65	202	379774	14.029	ng	99
81) Benzo(a)anthracene	13.84	228	215657	9.644	ng	92
83) Chrysene	13.87	228	297075	13.080	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	171687	8.808	ng	97
88) Benzo(b)fluoranthene	14.86	252	374491m	14.988	ng	
89) Benzo(k)fluoranthene	14.88	252	129968m	5.923	ng	
90) Benzo(a)pyrene	15.20	252	195924	8.845	ng	97
91) Dibenzo(a,h)anthracene	16.62	278	55451m	2.895	ng	
92) Benzo(g,h,i)perylene	17.03	276	149585	7.746	ng	97

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

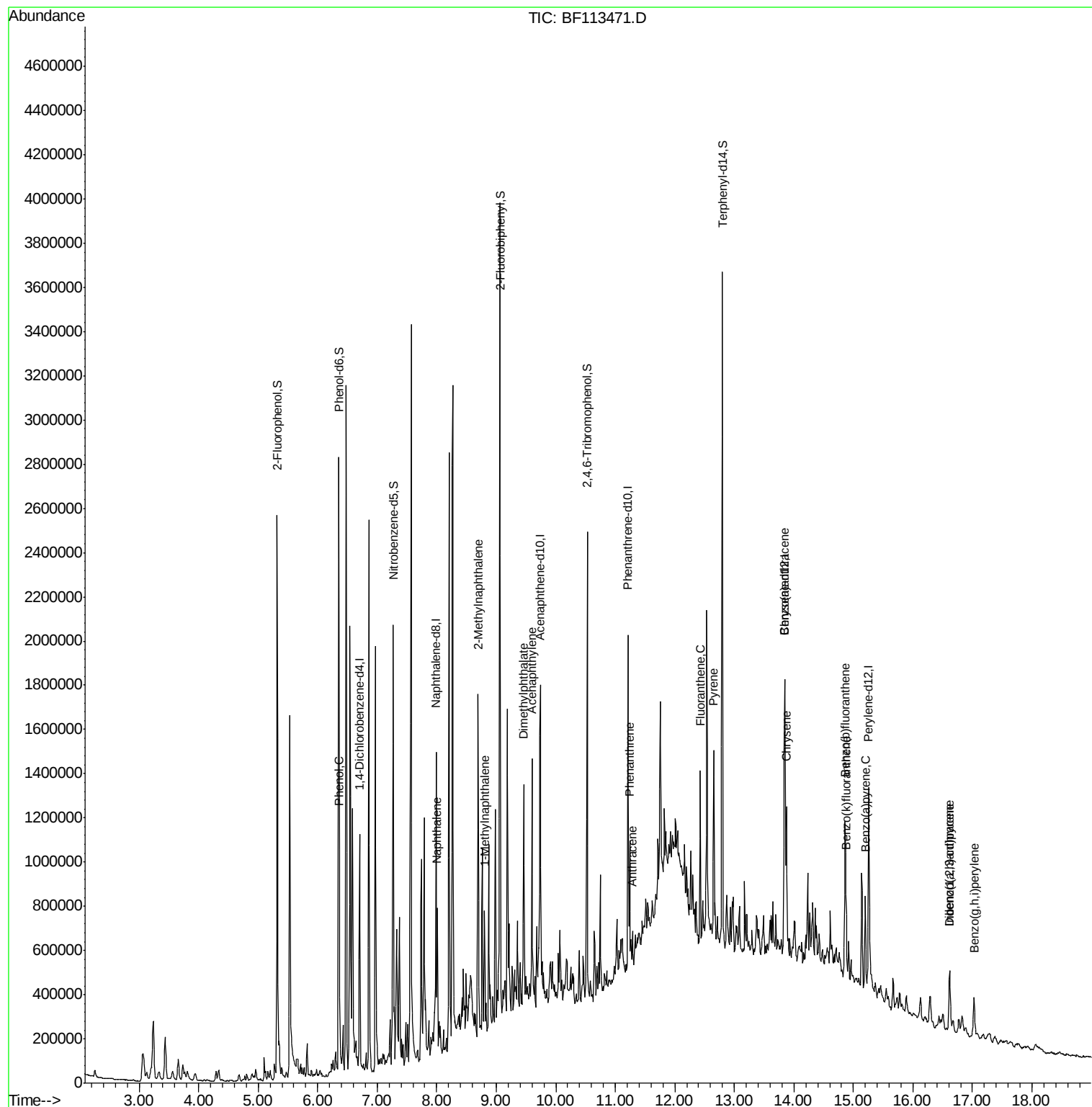
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113471.D
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ALS Vial : 14 Sample Multiplier: 1

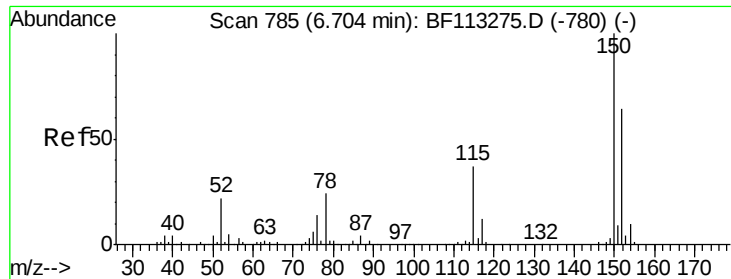
Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

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Quant Time: Apr 02 02:00:48 2019
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#1

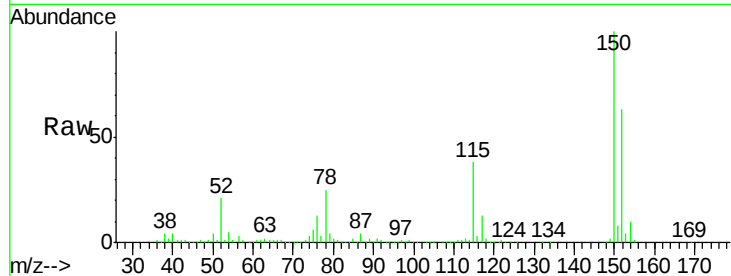
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

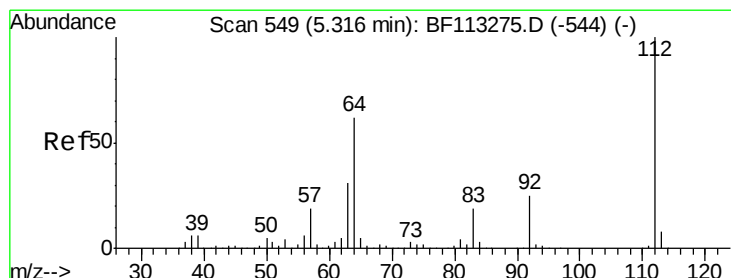
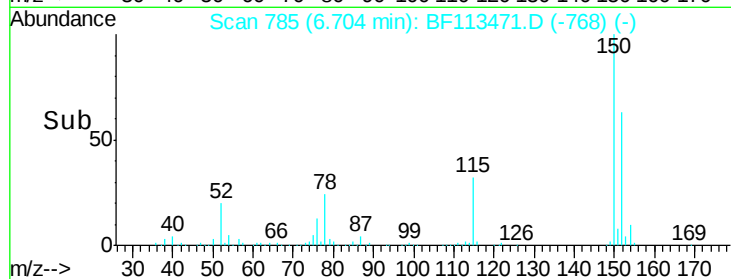
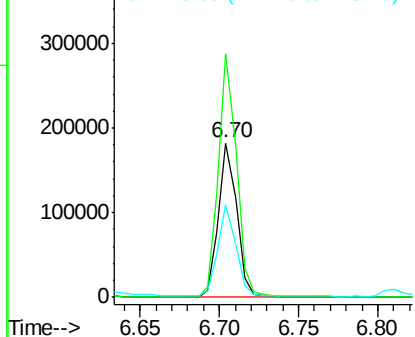
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	146553		
150	157.5	124.7	187.1	
115	59.9	46.0	69.0	

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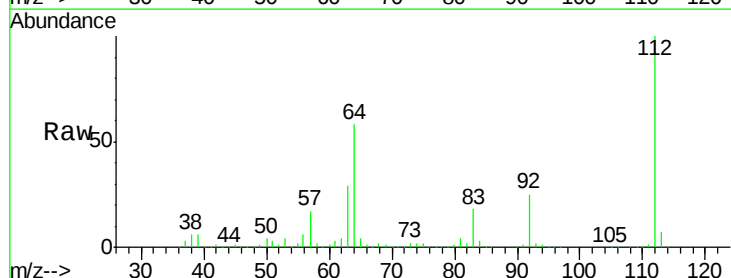
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



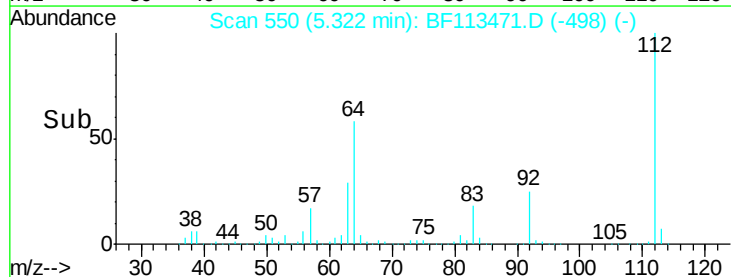
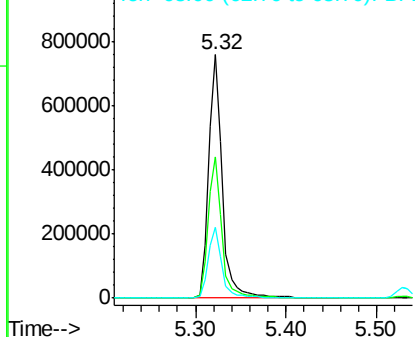
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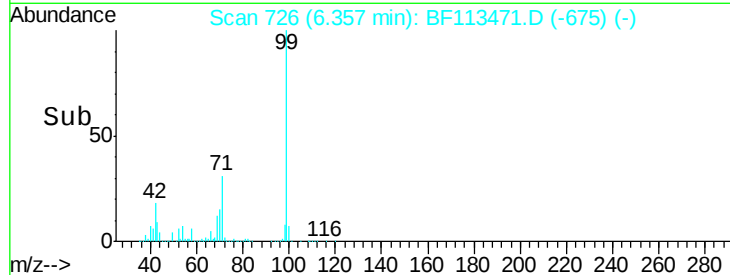
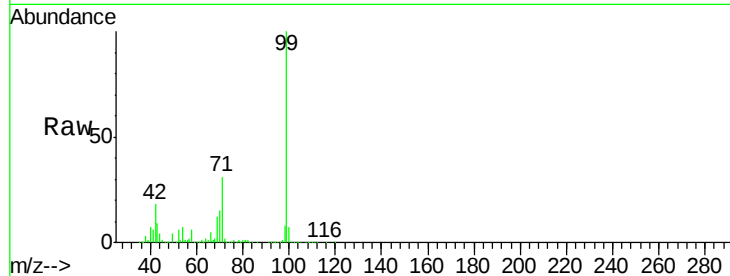
2-Fluorophenol
Concen: 90.751 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	813387		
64	58.2	49.2	73.8	
63	29.3	24.9	37.3	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.604 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion: 99 Resp: 1072662

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

71 30.9 24.9 37.3

Instrument :

BNA_F

ClientSampleId :

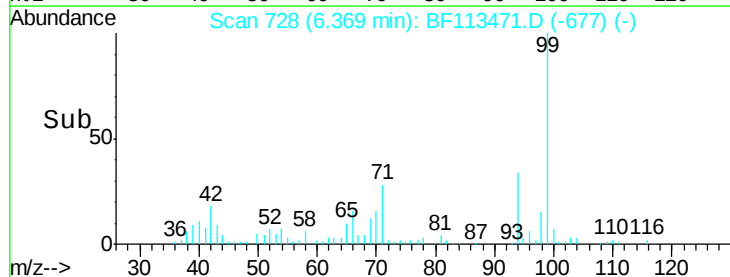
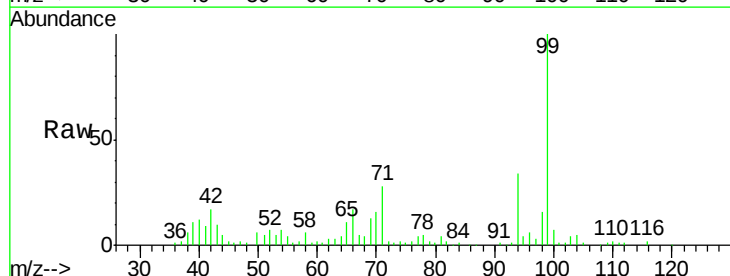
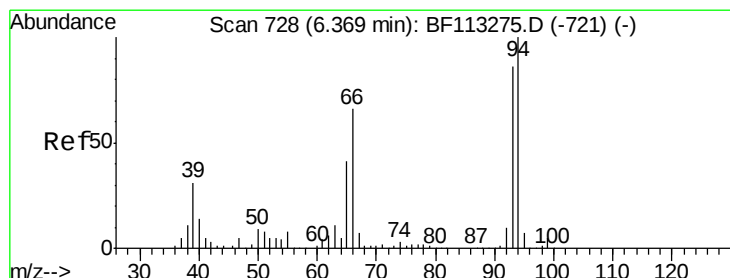
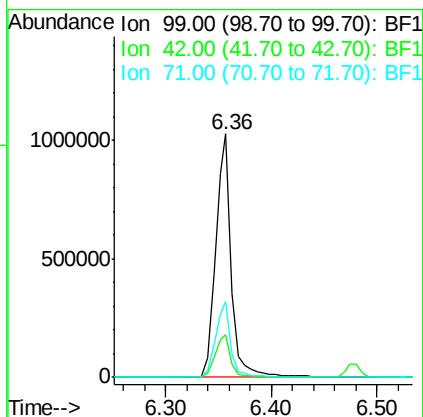
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#10

Phenol

Concen: 2.397 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

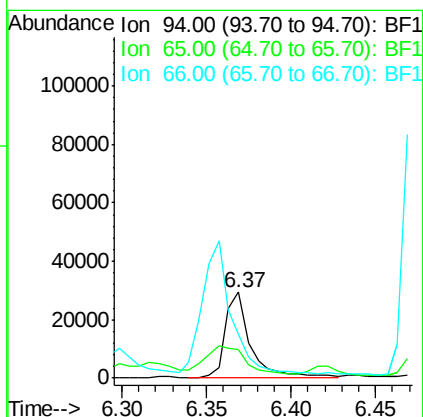
Tgt Ion: 94 Resp: 31023

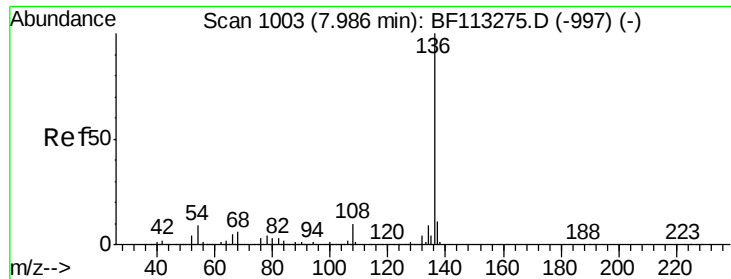
Ion Ratio Lower Upper

94 100

65 33.2 21.4 61.4

66 50.8 46.4 86.4





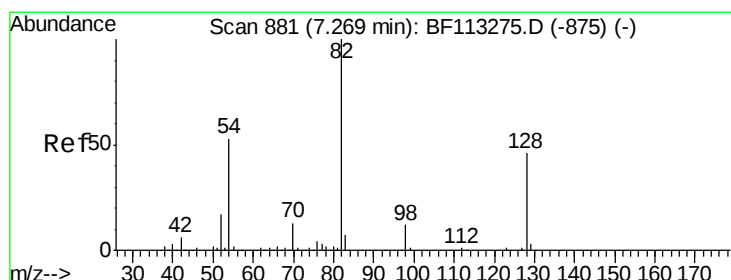
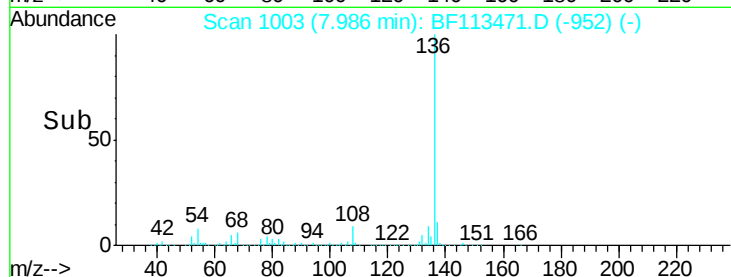
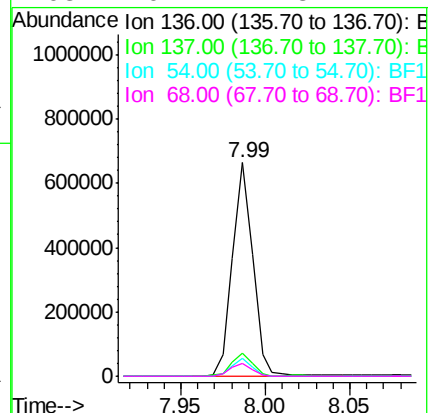
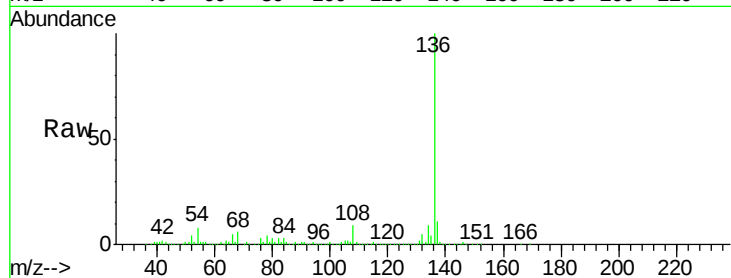
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	558262		
137	11.1	8.9	13.3	
54	8.2	7.0	10.6	
68	6.1	4.8	7.2	

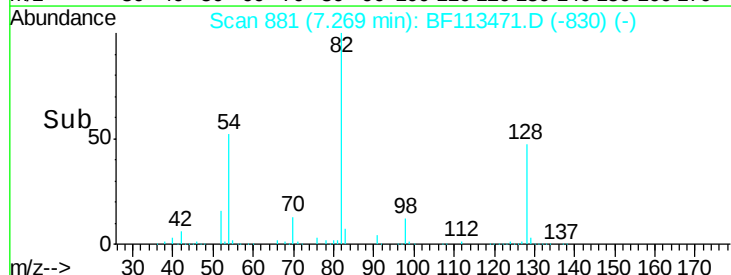
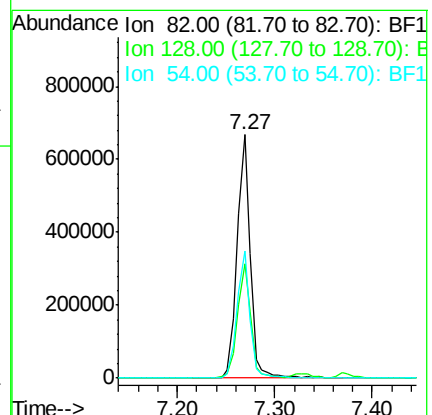
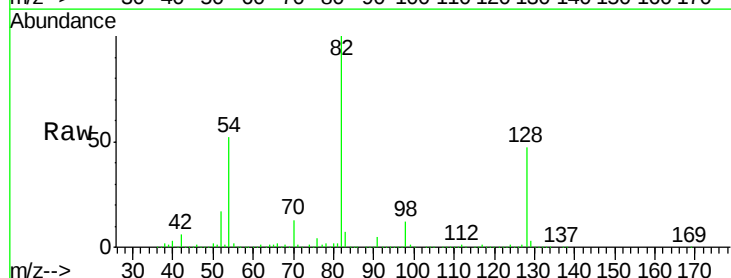
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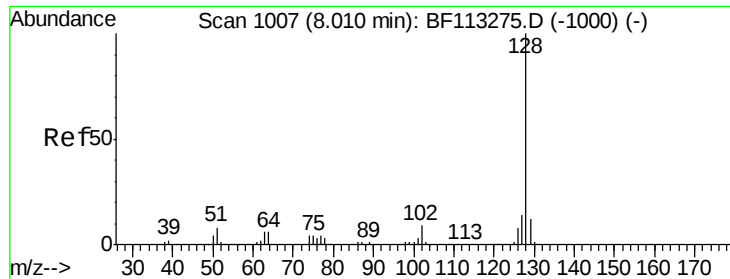
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#23
Nitrobenzene-d5
Concen: 66.551 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	625951		
128	46.7	36.5	54.7	
54	52.2	42.2	63.2	





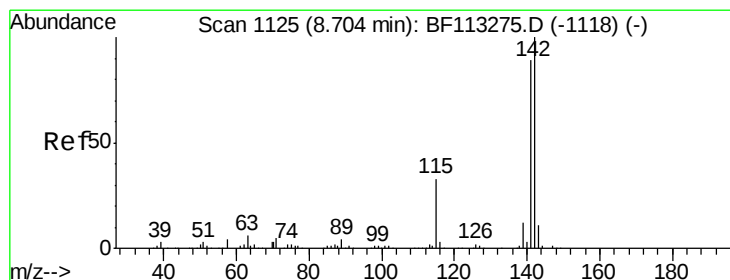
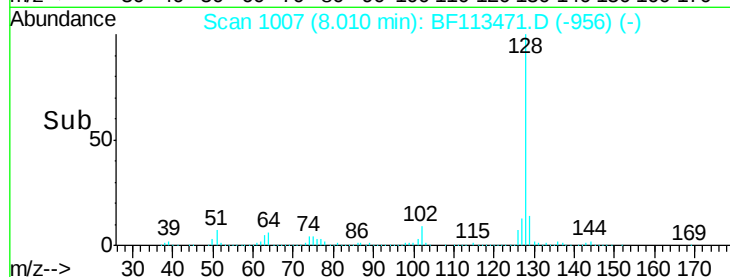
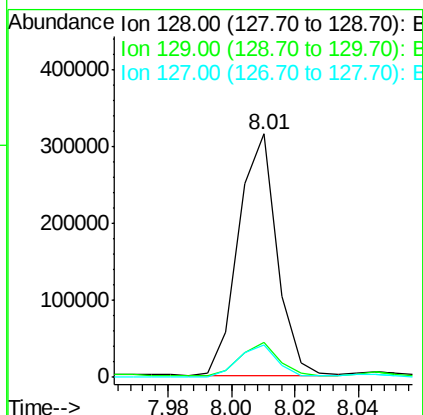
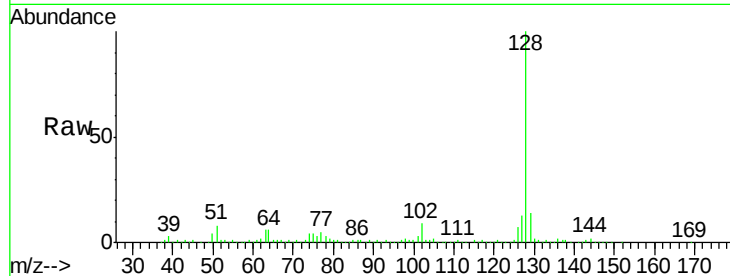
#31
Naphthalene
Concen: 9.687 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.3	13.9#
127	13.3	10.9	16.3

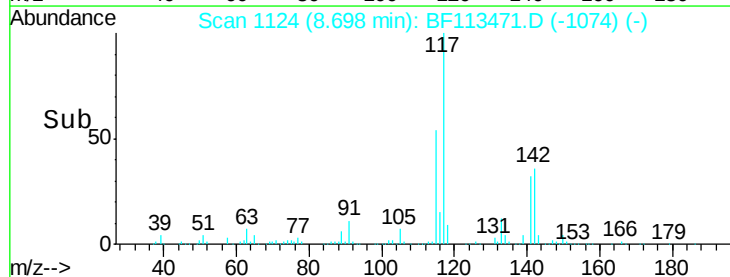
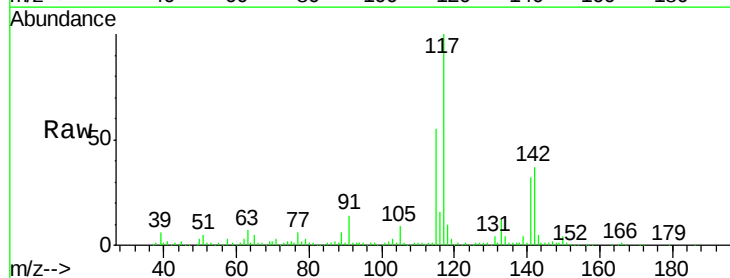
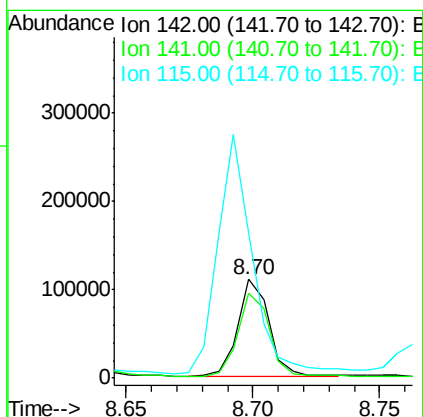
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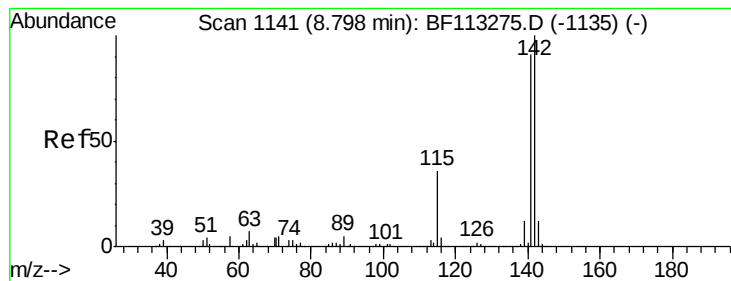
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#37
2-Methylnaphthalene
Concen: 5.459 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	71.0	106.6
115	147.2	26.6	39.8#





#38

1-Methylnaphthalene

Concen: 2.483 ng

RT: 8.80 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Instrument :

BNA_F

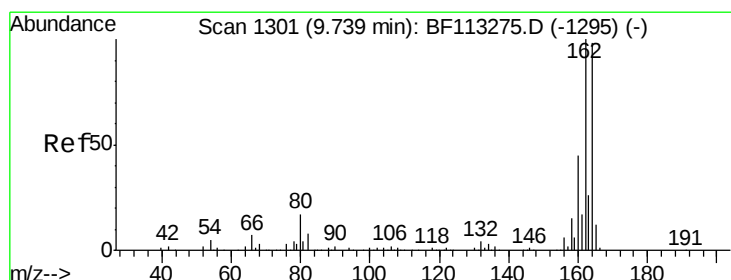
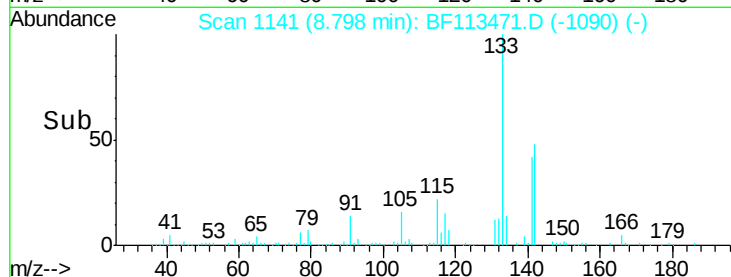
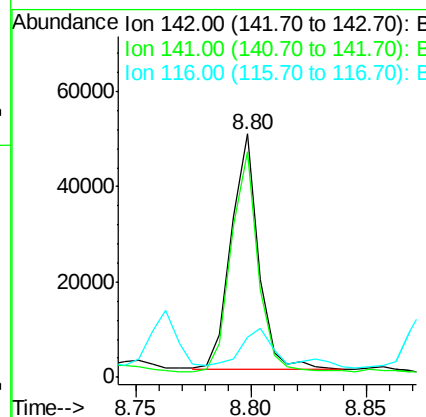
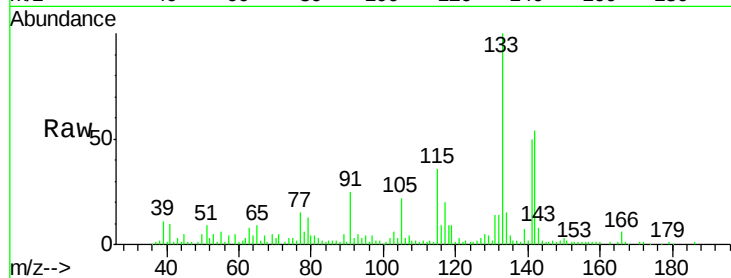
ClientSampleId :

TP-TRACK-89-90-SOIL

Tgt Ion:	142	Resp:	40649
Ion Ratio	Lower	Upper	
142	100		
141	92.7	73.2	109.8
116	16.3	3.0	4.4#

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#39

Acenaphthene-d10

Concen: 20.000 ng

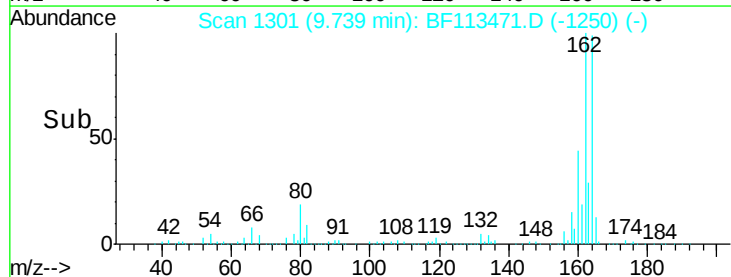
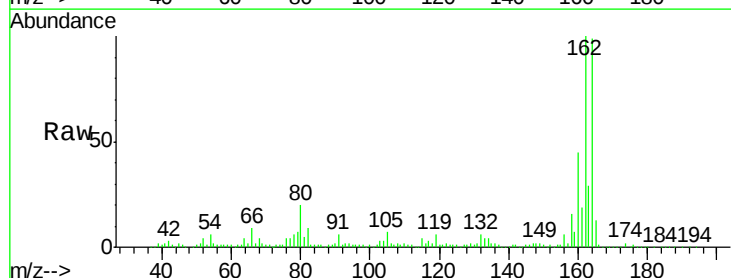
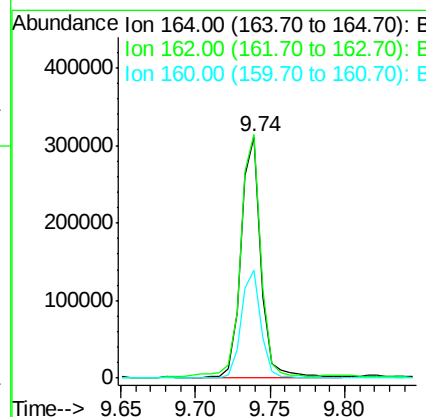
RT: 9.74 min Scan# 1301

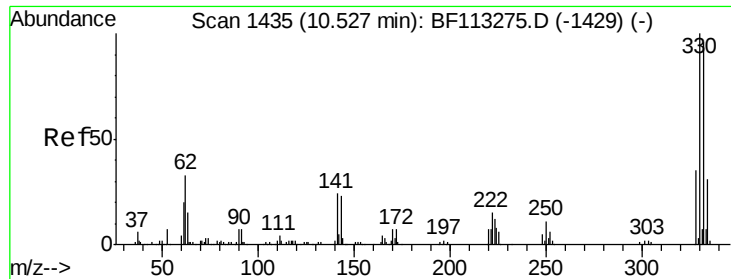
Delta R.T. 0.00 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion:	164	Resp:	287635
Ion Ratio	Lower	Upper	
164	100		
162	100.8	81.8	122.6
160	44.9	36.4	54.6





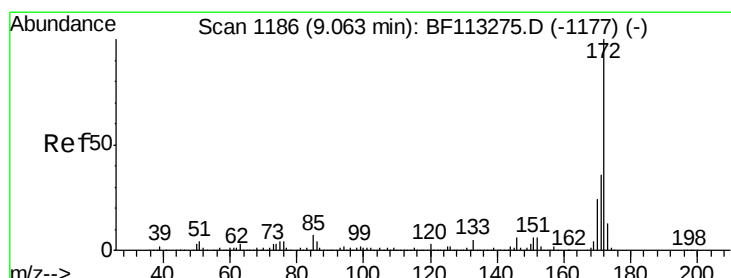
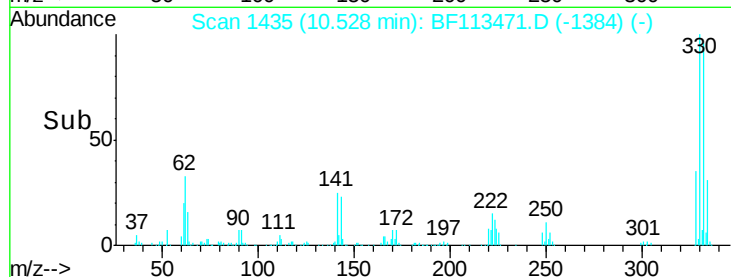
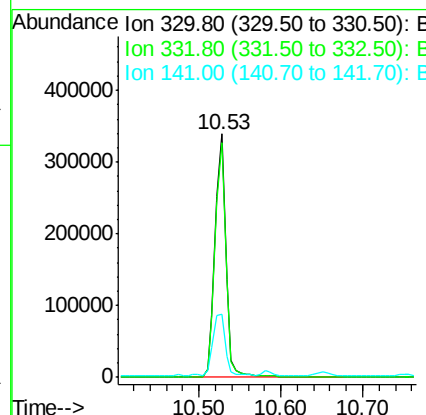
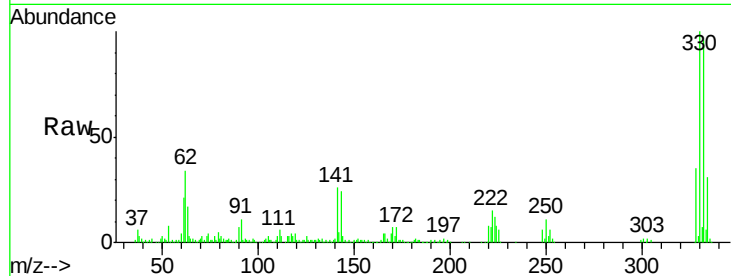
#42
 2,4,6-Tribromophenol
 Concen: 88.987 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113471.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	316167		
332	96.9	77.8	116.6	
141	28.2	22.7	34.1	

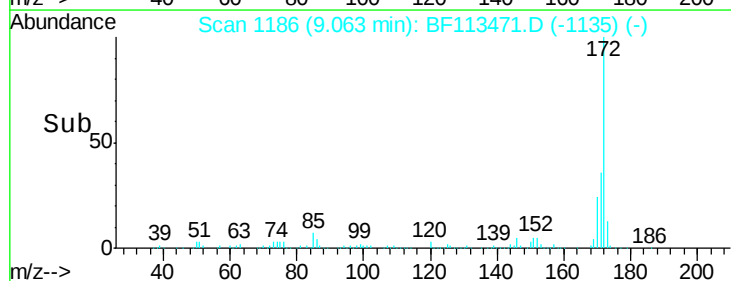
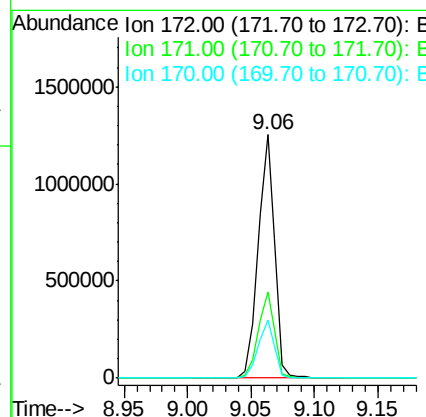
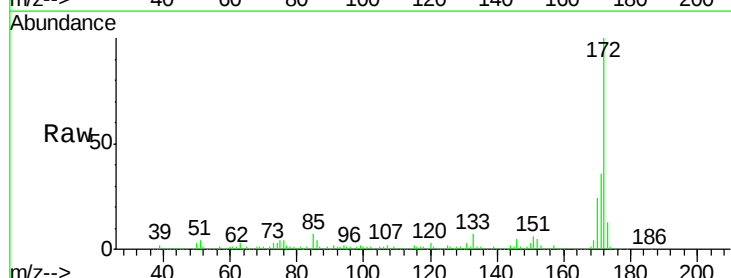
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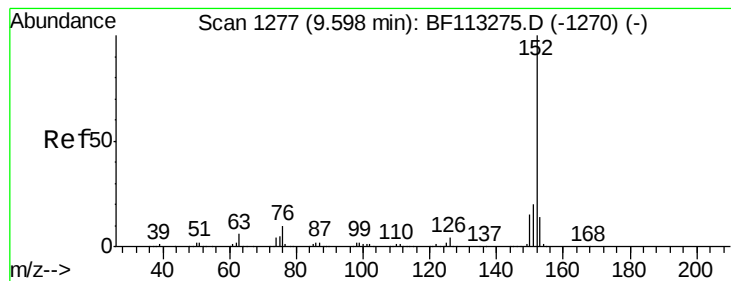
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#45
 2-Fluorobiphenyl
 Concen: 56.691 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113471.D
 Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1148159		
171	35.6	29.0	43.6	
170	24.0	19.5	29.3	





#49

Acenaphthylene

Concen: 14.915 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Instrument :

BNA_F

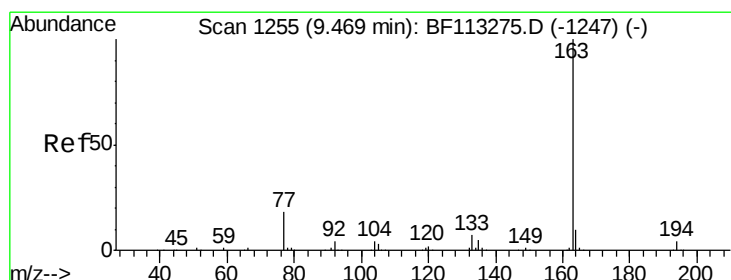
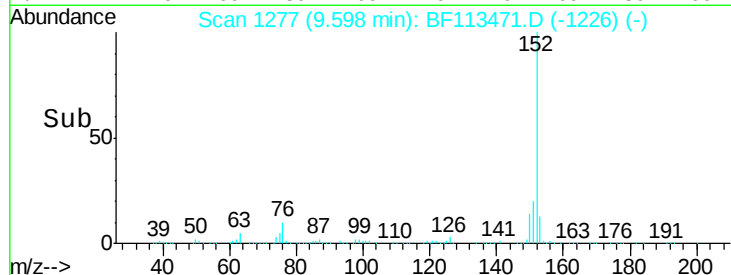
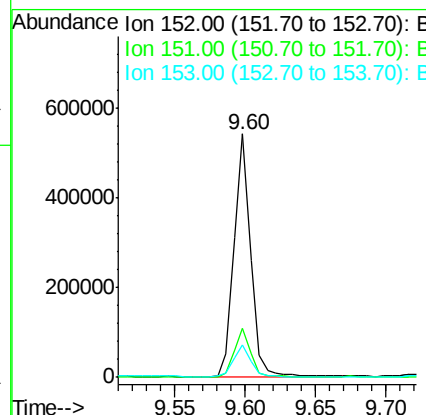
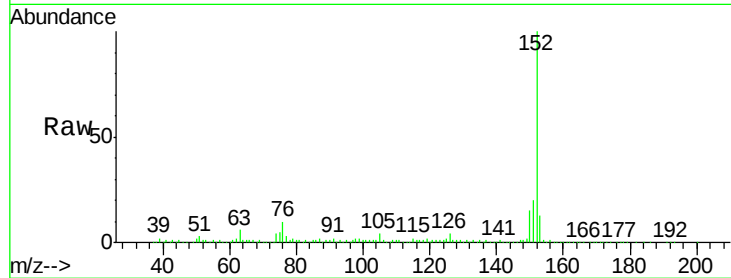
ClientSampleId :

TP-TRACK-89-90-SOIL

Tgt Ion:	152	Resp:	446081
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	13.4	11.0	16.6

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#50

Dimethylphthalate

Concen: 5.490 ng

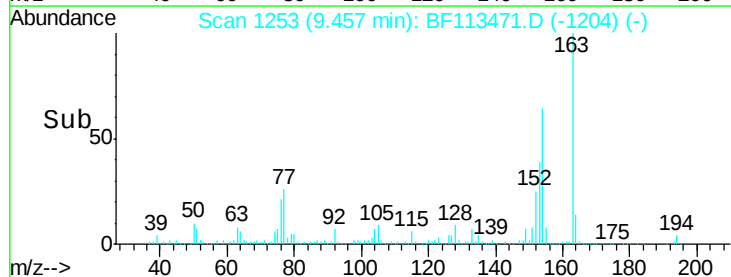
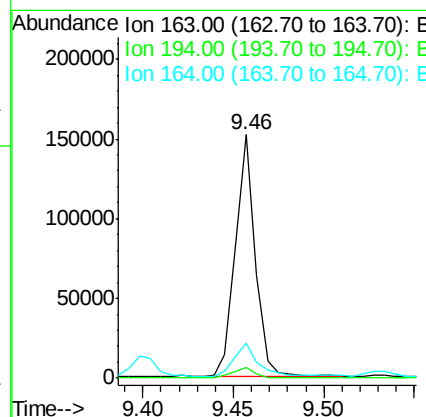
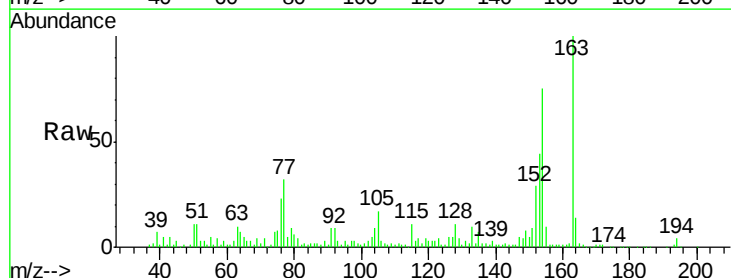
RT: 9.46 min Scan# 1253

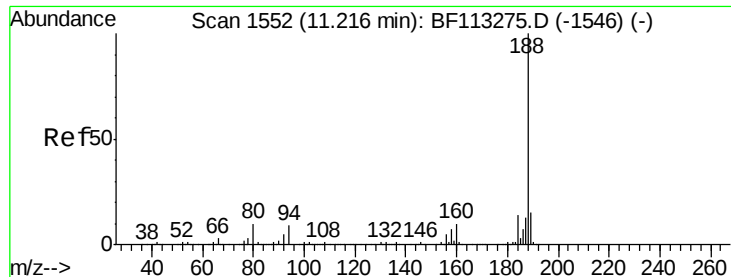
Delta R.T. -0.01 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion:	163	Resp:	117032
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.0	4.6
164	14.4	8.1	12.1#





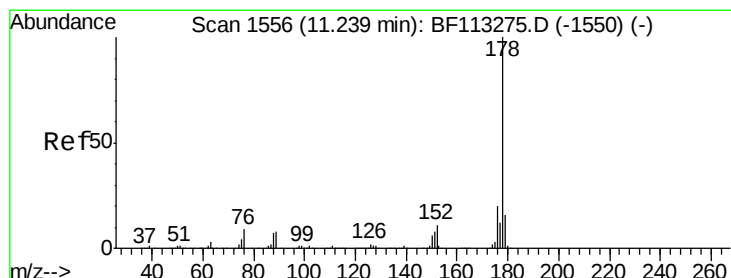
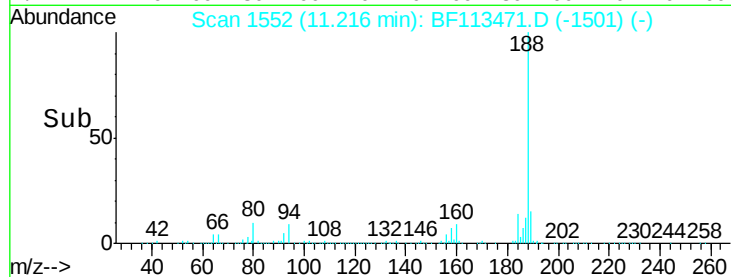
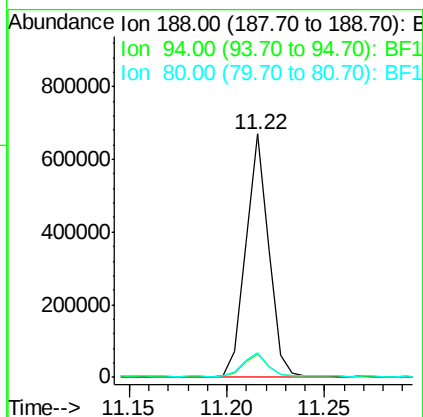
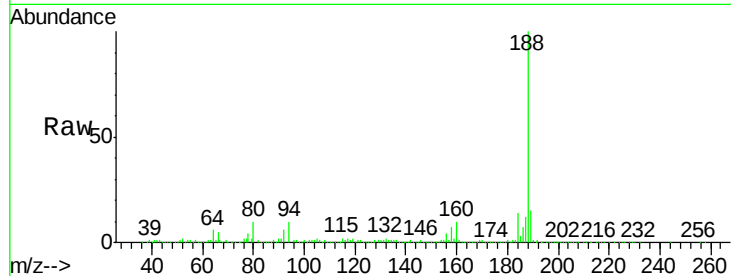
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	547363		
94	9.8	7.0	10.6	
80	10.1	7.7	11.5	

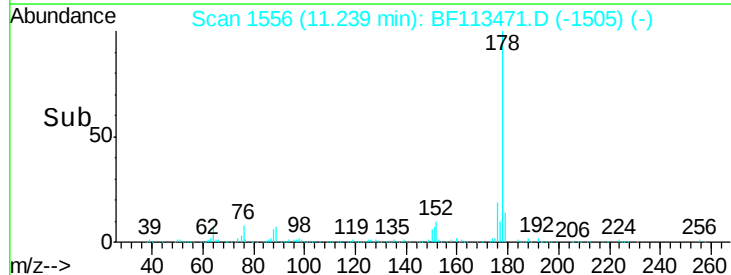
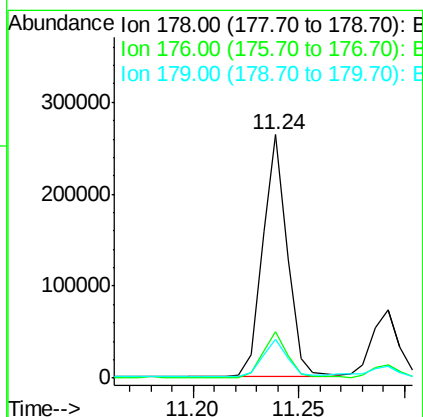
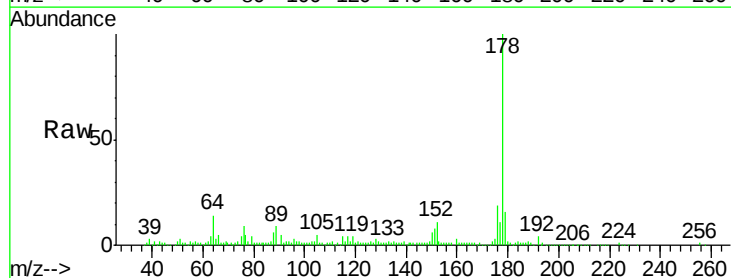
Manual Integrations
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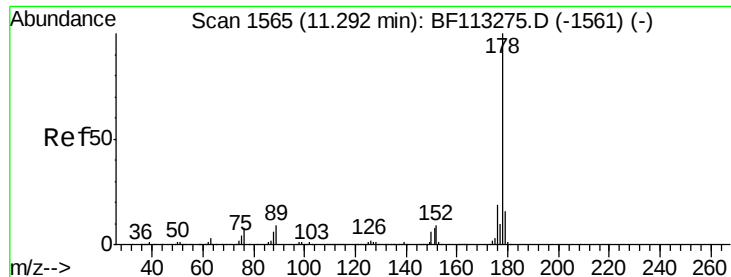
Sohil
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#71
Phenanthrene
Concen: 7.854 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	213500		
176	19.1	16.2	24.2	
179	15.7	12.7	19.1	





#72

Anthracene

Concen: 2.198 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF113471.D

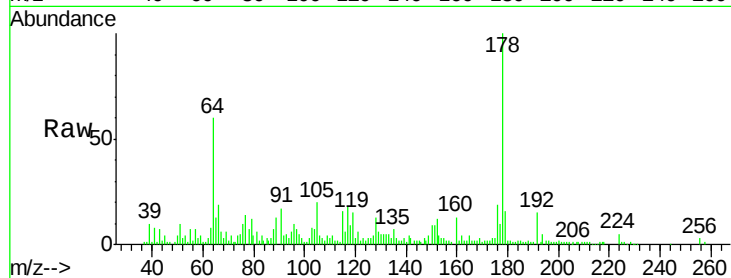
Acq: 1 Apr 2019 17:25

Instrument :

BNA_F

ClientSampleId :

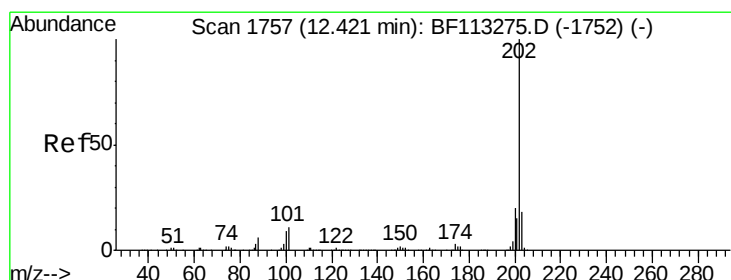
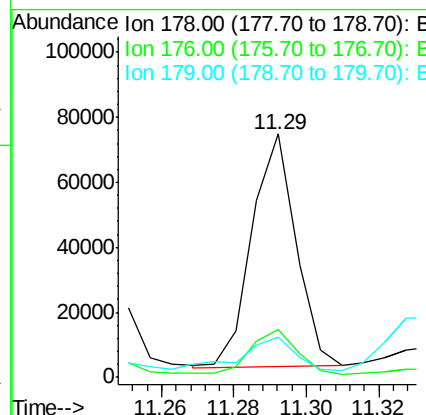
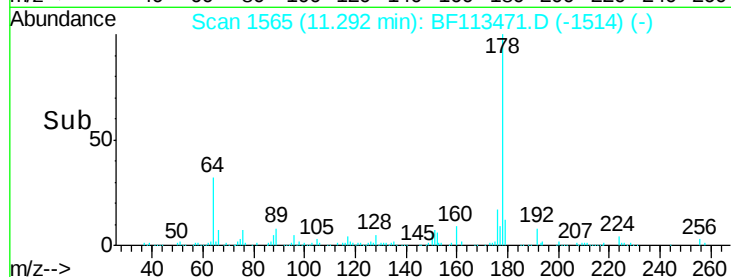
TP-TRACK-89-90-SOIL



Tgt Ion:	178	Resp:	60690
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.2
179	16.5	12.8	19.2

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#75

Fluoranthene

Concen: 8.753 ng

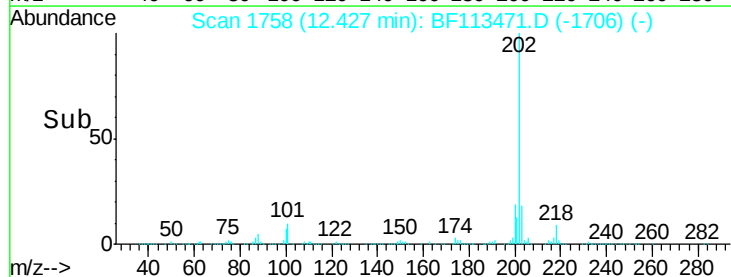
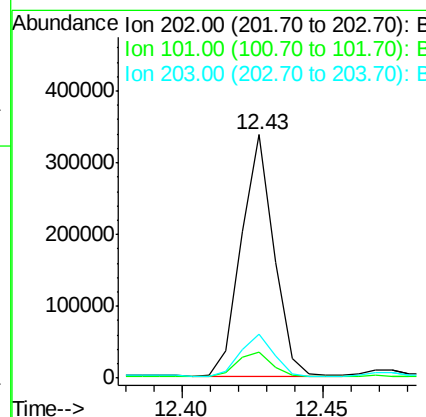
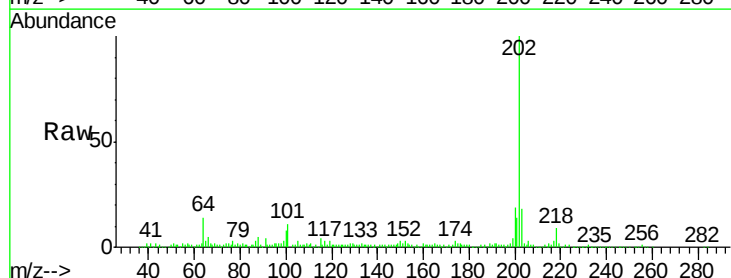
RT: 12.43 min Scan# 1758

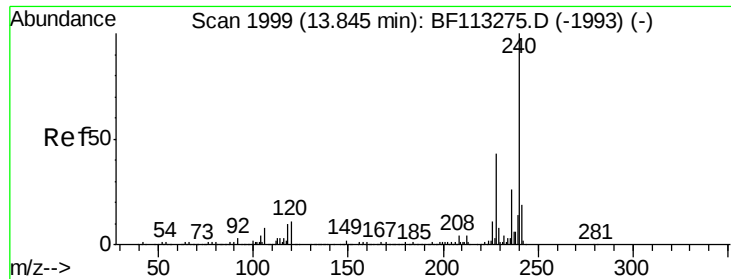
Delta R.T. 0.01 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion:	202	Resp:	268972
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	18.2	0.0	38.0





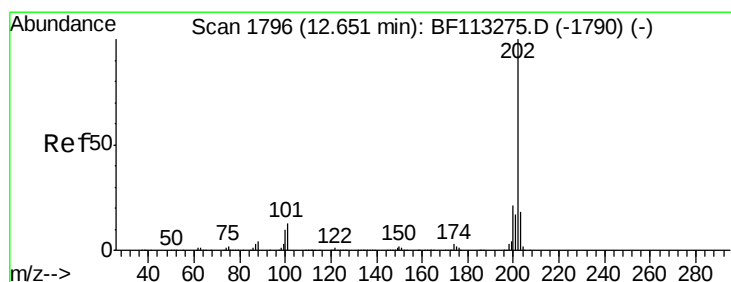
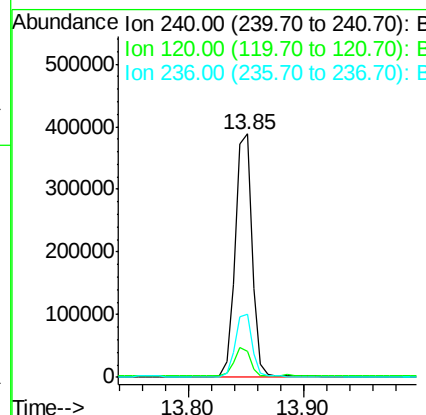
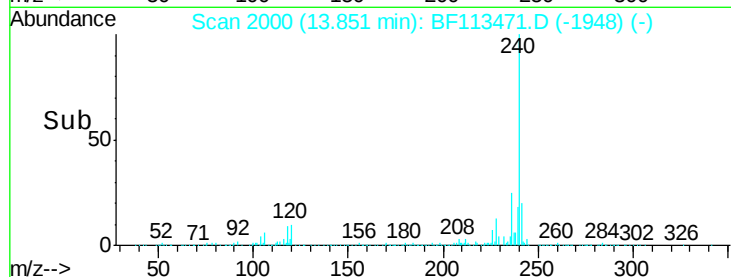
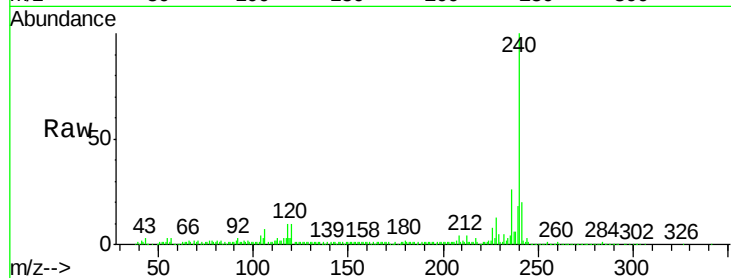
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.5	8.8	13.2
236	25.9	20.9	31.3

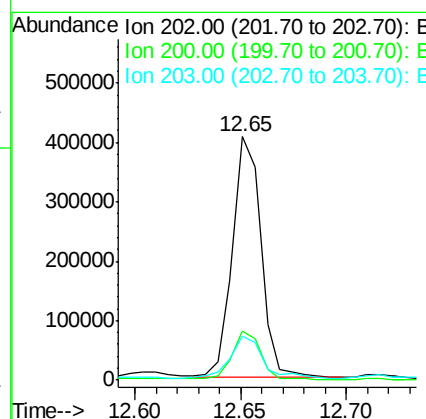
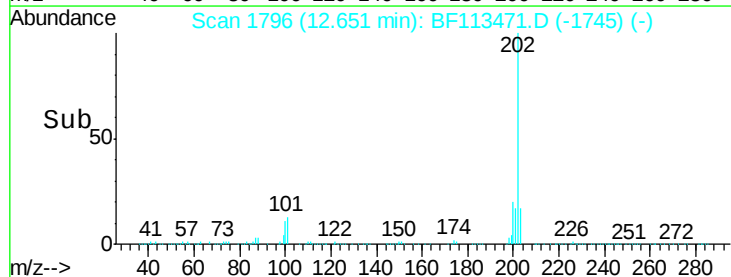
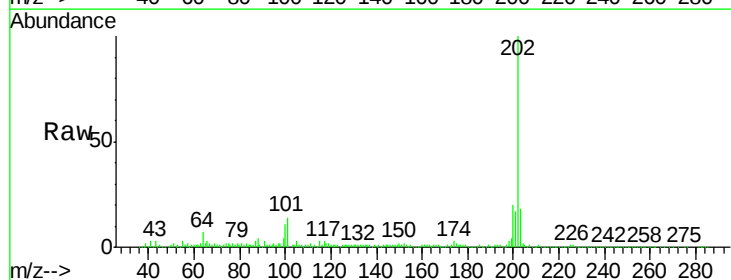
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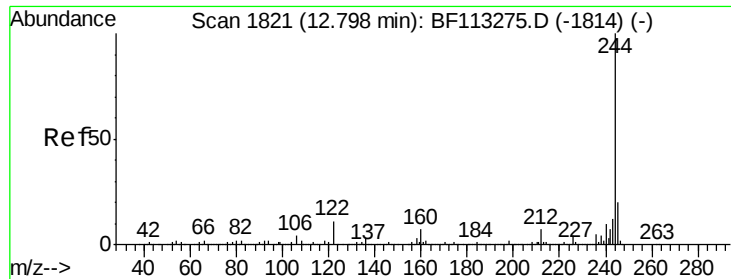
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#78
Pyrene
Concen: 14.029 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	16.8	25.2
203	18.2	14.4	21.6





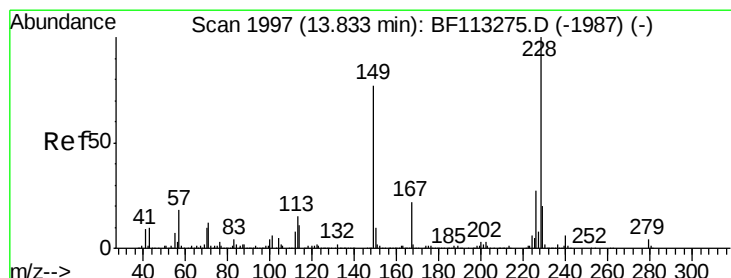
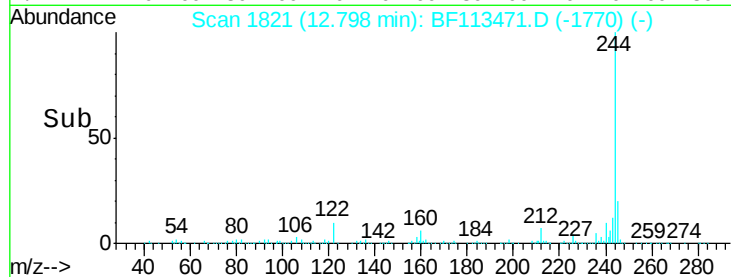
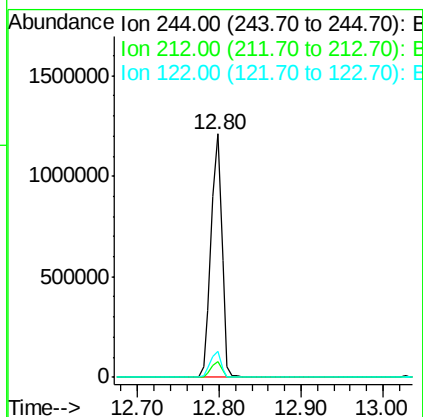
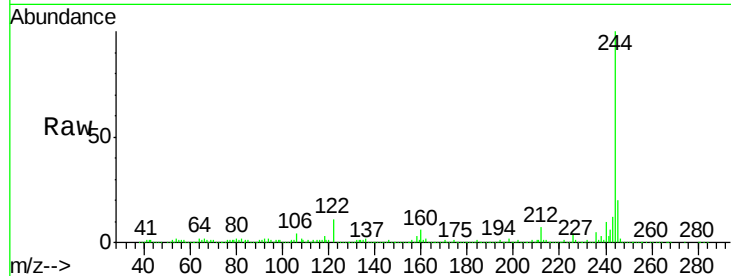
#79
 Terphenyl-d14
 Concen: 62.978 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF113471.D
 Acq: 1 Apr 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-TRACK-89-90-SOIL

Tgt Ion:244 Resp: 1116156
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 10.6 8.6 13.0

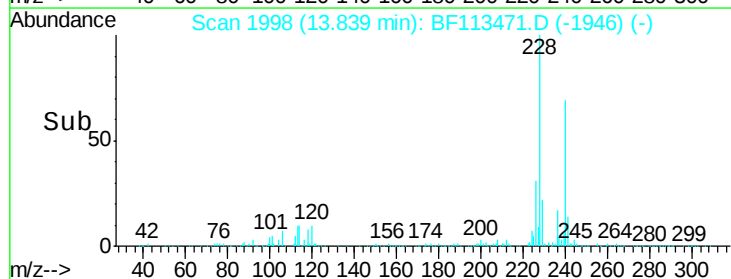
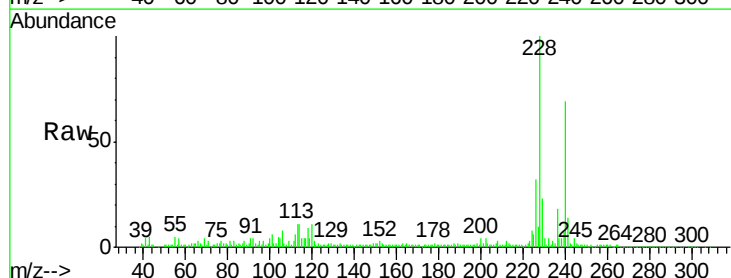
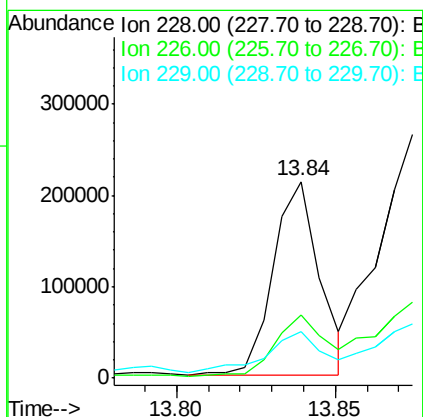
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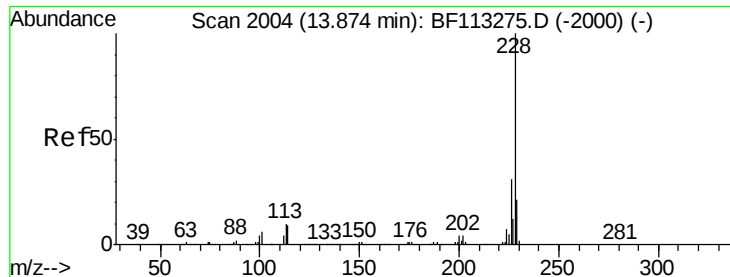
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#81
 Benzo(a)anthracene
 Concen: 9.644 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF113471.D
 Acq: 1 Apr 2019 17:25

Tgt Ion:228 Resp: 215657
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.8 32.8
 229 23.5 16.2 24.4





#83

Chrysene

Concen: 13.080 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Instrument :

BNA_F

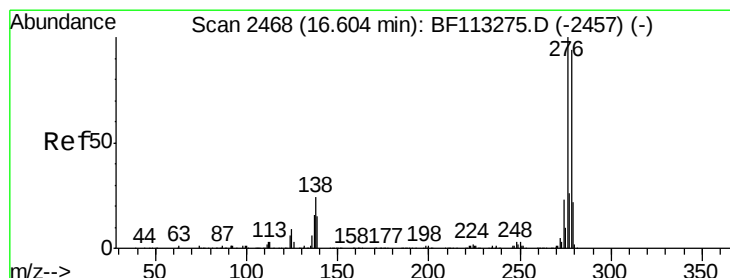
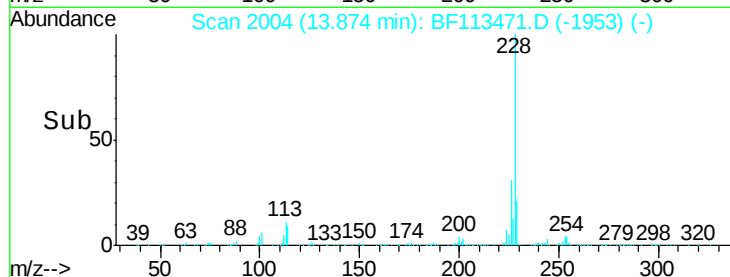
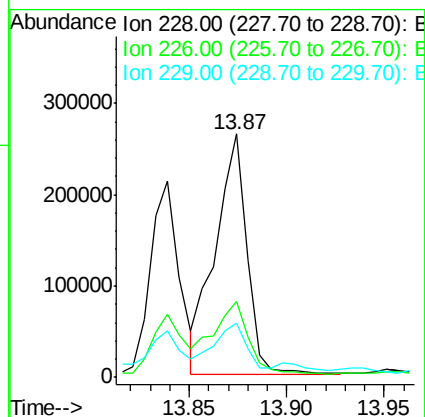
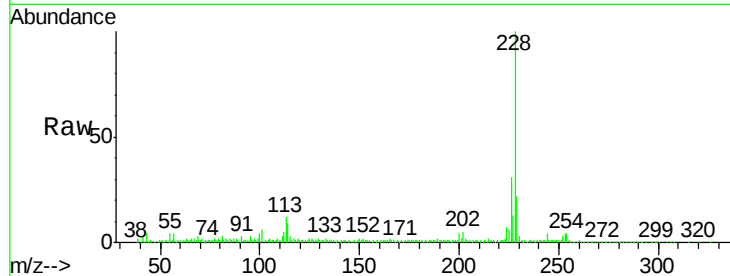
ClientSampleId :

TP-TRACK-89-90-SOIL

Tgt Ion:	228	Resp:	297075
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.3	36.5
229	22.5	16.3	24.5

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 8.808 ng

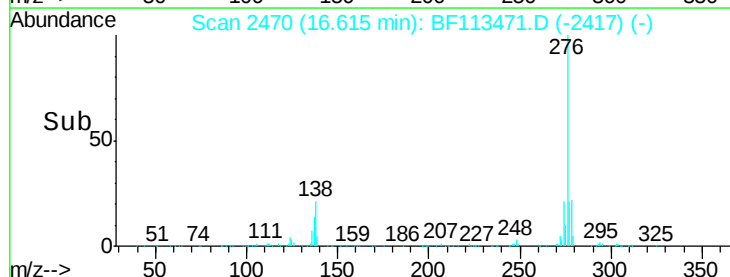
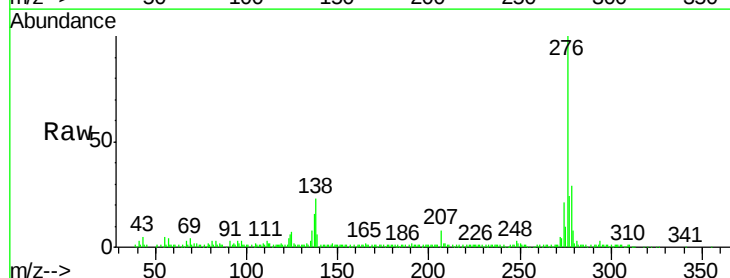
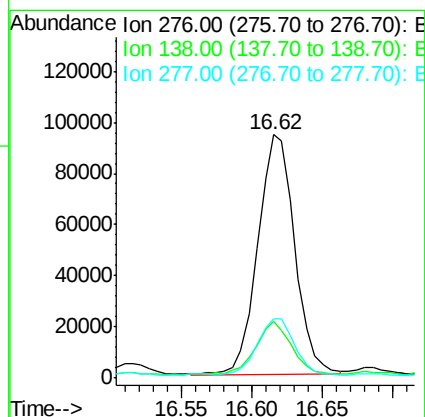
RT: 16.62 min Scan# 2470

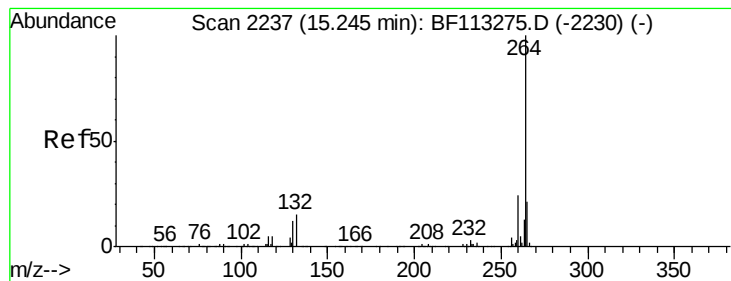
Delta R.T. 0.01 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion:	276	Resp:	171687
Ion Ratio	Lower	Upper	
276	100		
138	21.7	18.1	27.1
277	23.7	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Instrument :

BNA_F

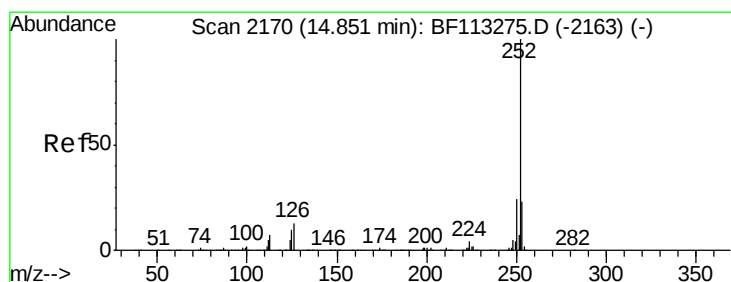
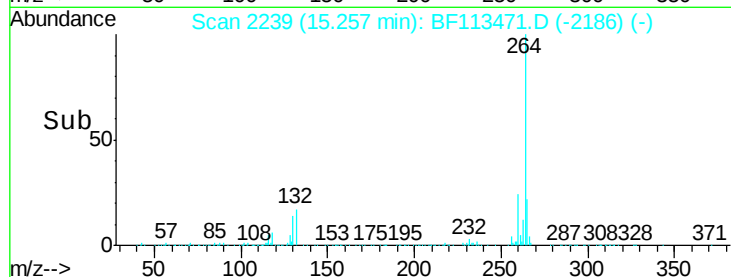
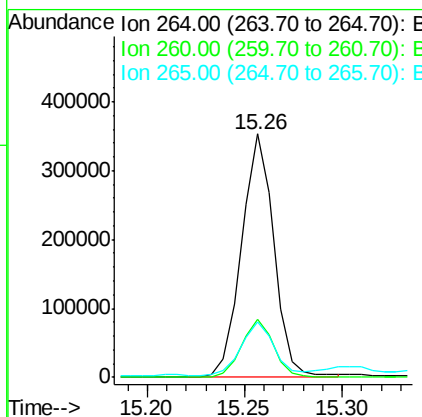
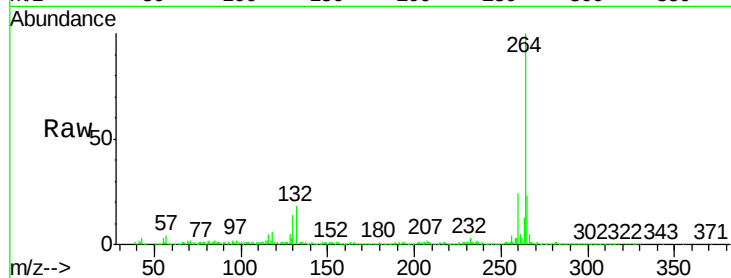
ClientSampleId :

TP-TRACK-89-90-SOIL

Tgt Ion:	264	Resp:	402212
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.7	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 14.988 ng m

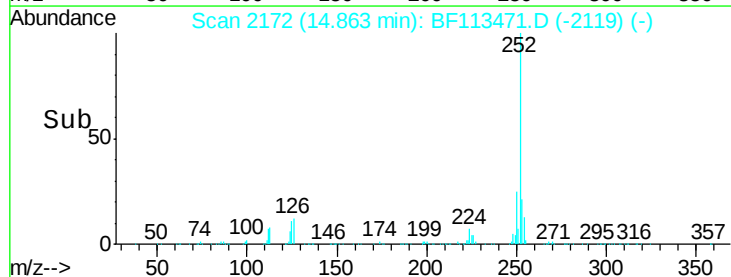
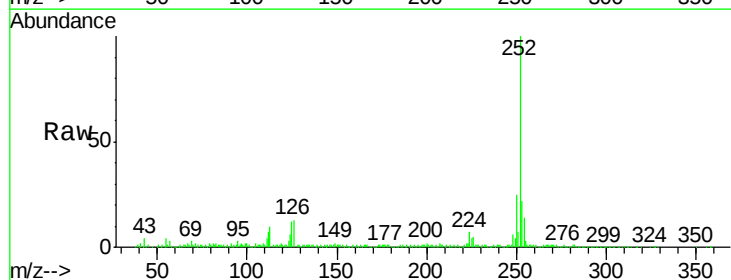
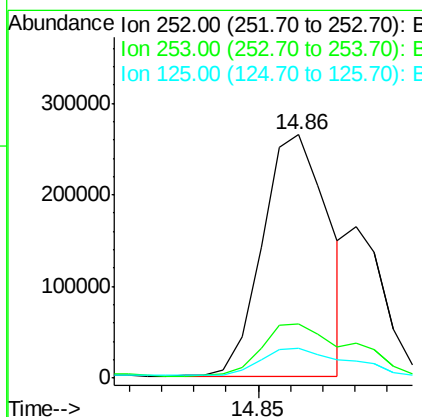
RT: 14.86 min Scan# 2172

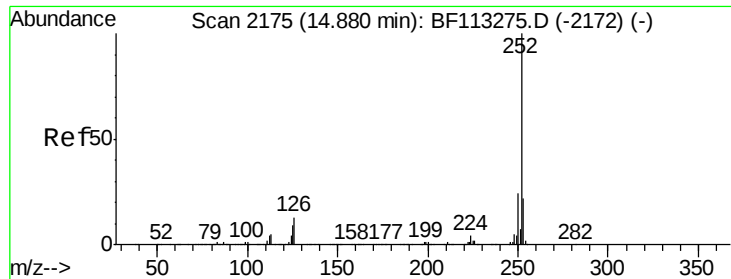
Delta R.T. 0.01 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion:	252	Resp:	374491
Ion Ratio		Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.4	7.6	11.4#





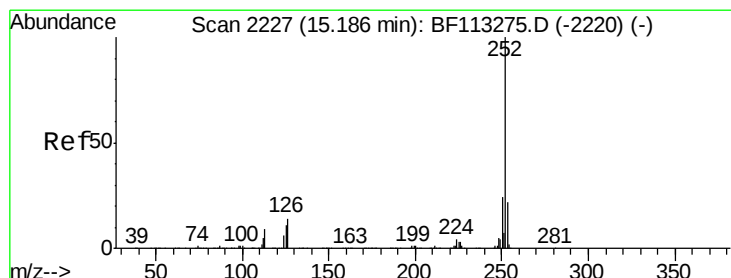
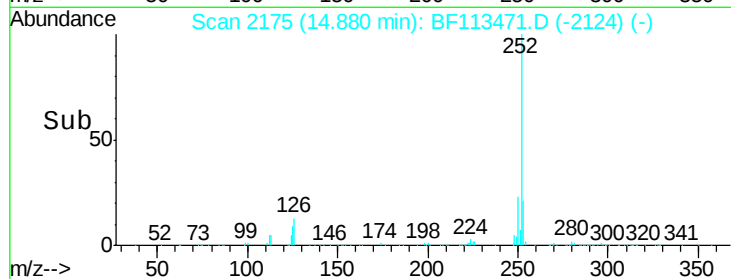
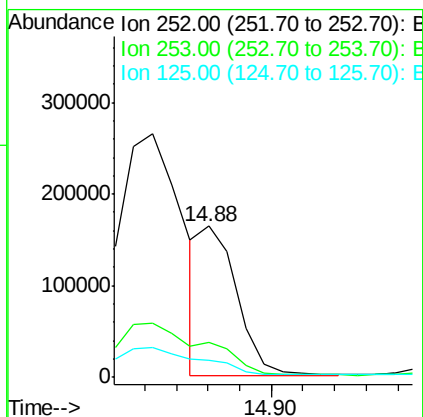
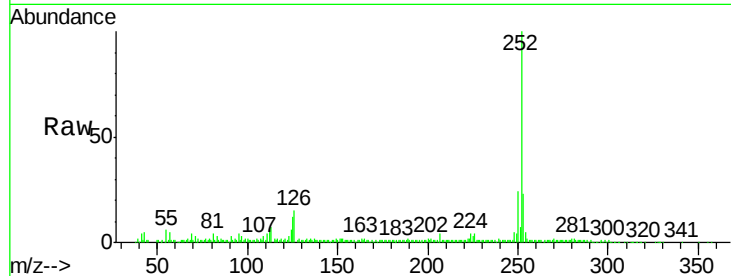
#89
Benzo(k)fluoranthene
Concen: 5.923 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-89-90-SOIL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.7	7.3	10.9

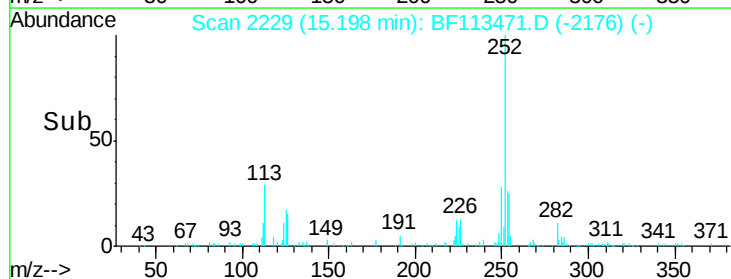
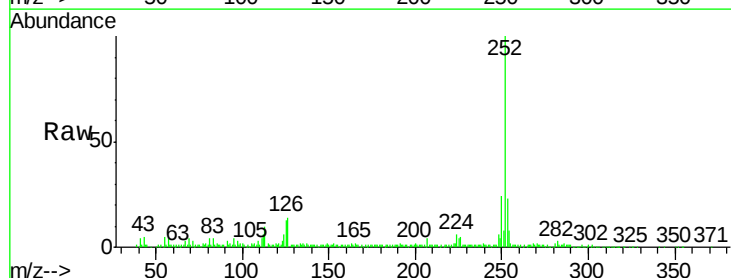
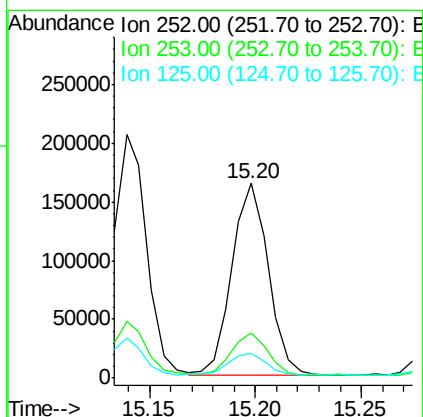
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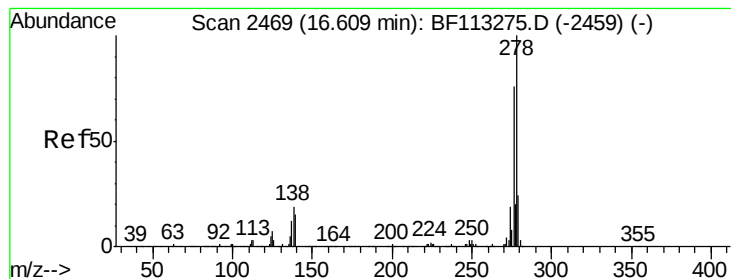
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#90
Benzo(a)pyrene
Concen: 8.845 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113471.D
Acq: 1 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.6	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.895 ng m

RT: 16.62 min Scan# 2471

Delta R.T. 0.01 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Instrument :

BNA_F

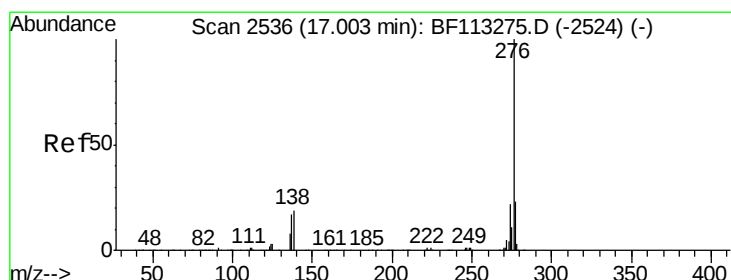
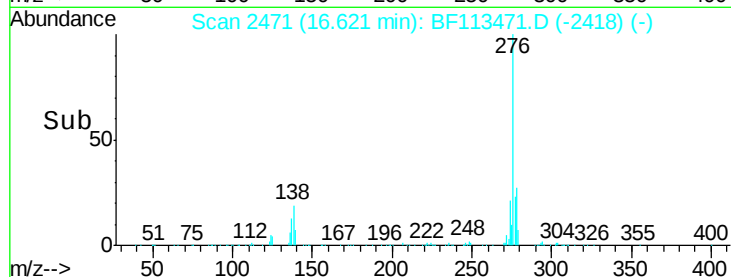
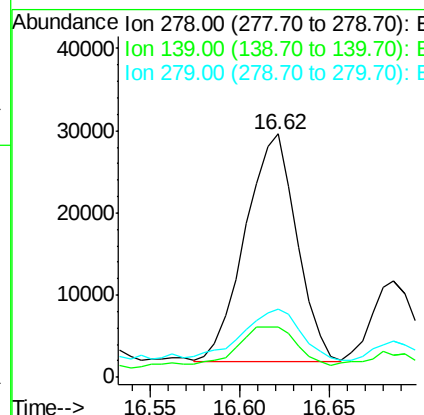
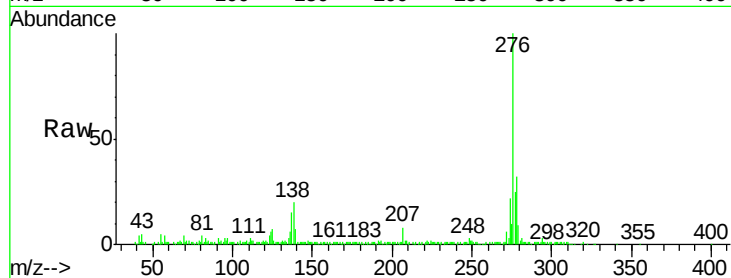
ClientSampleId :

TP-TRACK-89-90-SOIL

Tgt Ion:	278	Resp:	55451
Ion Ratio	Lower	Upper	
278	100		
139	20.6	12.0	18.0#
279	28.1	19.0	28.6

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 7.746 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.02 min

Lab File: BF113471.D

Acq: 1 Apr 2019 17:25

Tgt Ion:	276	Resp:	149585
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.8	28.2
138	21.5	15.6	23.4

