

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
 Data File : BF113787.D
 Acq On : 16 Apr 2019 12:04
 Operator : JU/SJ
 Sample : K2199-11DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-BDL

Manual Integrations
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Sohil
 4/17/2019 3:45:33 PM

Quant Time: Apr 16 17:49:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 16 17:22:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	114179	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	413965	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	174112	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	287672	20.00	ng	0.00
76) Chrysene-d12	13.83	240	273590	20.00	ng	0.00
87) Perylene-d12	15.24	264	340771	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	318093	47.51	ng	0.00
7) Phenol-d6	6.34	99	417585	50.60	ng	0.00
23) Nitrobenzene-d5	7.24	82	230342	32.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	78044	37.31	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	449973	41.61	ng	0.00
79) Terphenyl-d14	12.77	244	378907	28.20	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.97	128	53212	2.653	ng	98
49) Acenaphthylene	9.57	152	43262	2.446	ng	99
50) Dimethylphthalate	9.43	163	45285	3.528	ng	98
52) Acenaphthene	9.73	154	37779	3.731	ng	99
55) Dibenzofuran	9.92	168	53041	3.571	ng	94
58) Fluorene	10.26	166	75649	6.439	ng	97
71) Phenanthrene	11.21	178	779915	54.560	ng	98
72) Anthracene	11.27	178	239768	16.486	ng	98
73) Carbazole	11.43	167	55678	4.093	ng	99
75) Fluoranthene	12.40	202	1138031	74.295	ng	99
78) Pyrene	12.63	202	974484	46.812	ng	99
81) Benzo(a)anthracene	13.82	228	573518	36.340	ng	99
83) Chrysene	13.85	228	481024	30.067	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	285618	19.336	ng	95
88) Benzo(b)fluoranthene	14.84	252	733947m	35.185	ng	
89) Benzo(k)fluoranthene	14.87	252	179424m	9.584	ng	
90) Benzo(a)pyrene	15.19	252	495208	26.716	ng	98
91) Dibenzo(a,h)anthracene	16.61	278	69725m	4.023	ng	
92) Benzo(g,h,i)perylene	17.02	276	249460	14.100	ng	99

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

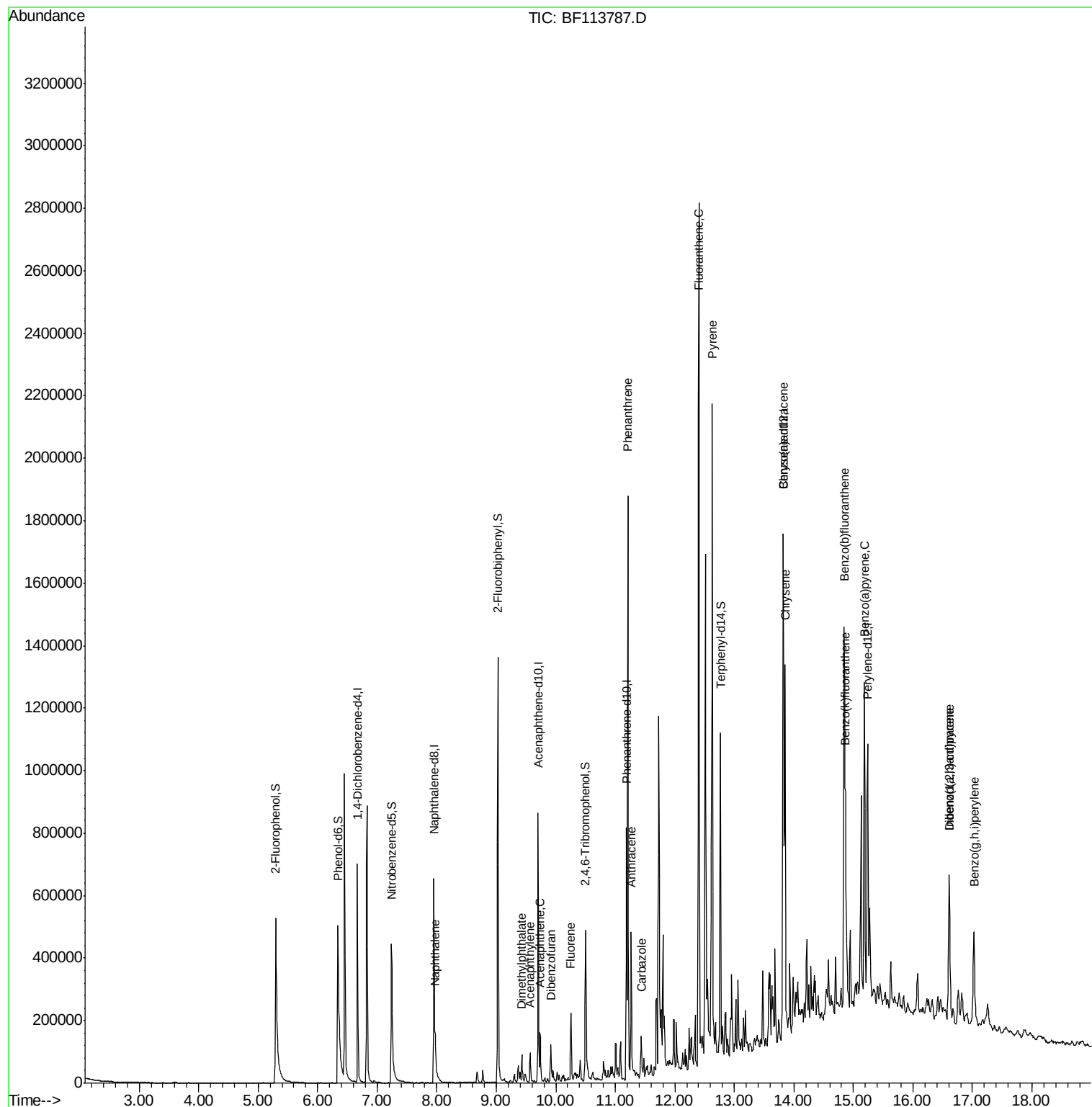
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113787.D
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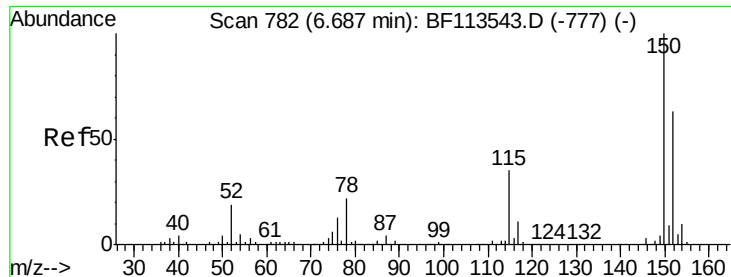
Instrument :
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OR-02-041219-BDL

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Quant Time: Apr 16 17:49:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

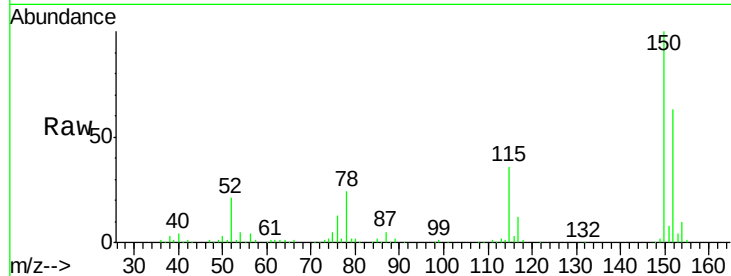
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.1	187.7
115	57.3	43.9	65.9

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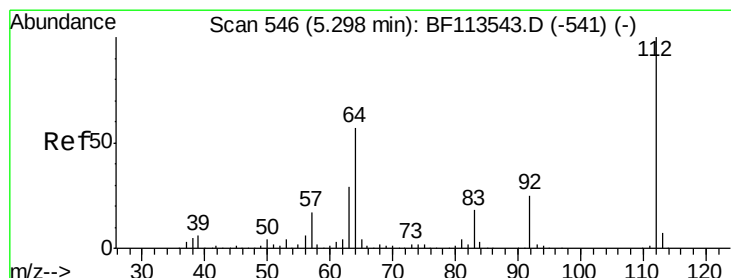
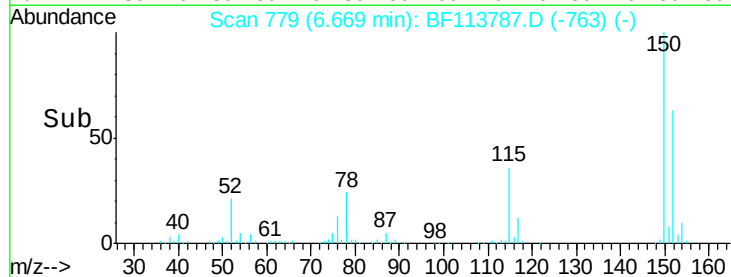
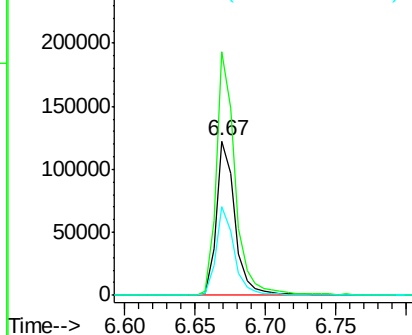


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

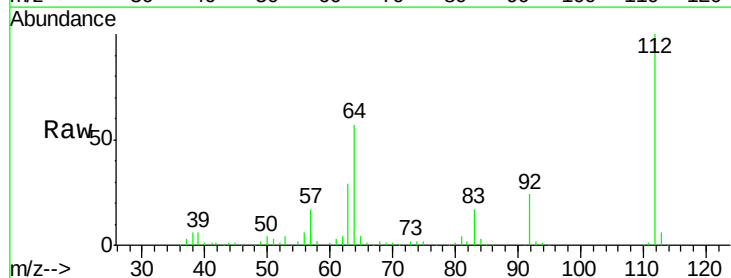
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.506 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	49.0	73.4
63	28.9	24.2	36.4

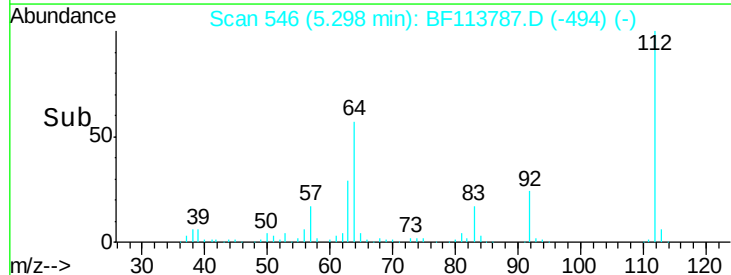
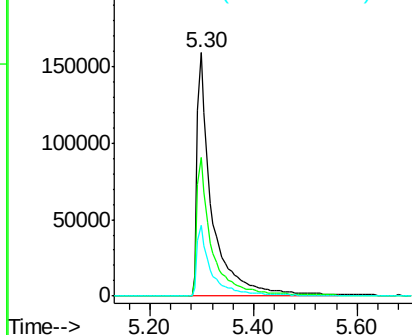


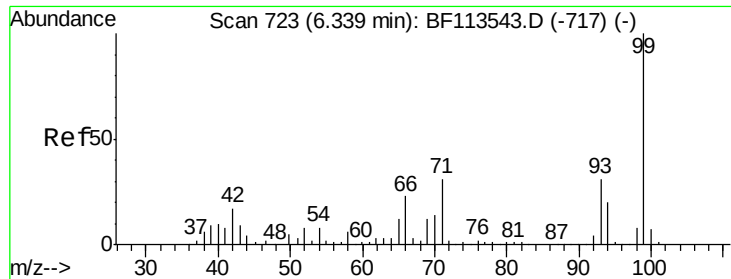
Abundance

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: 50.600 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF113787.D

Acq: 16 Apr 2019 12:04

Instrument :

BNA_F

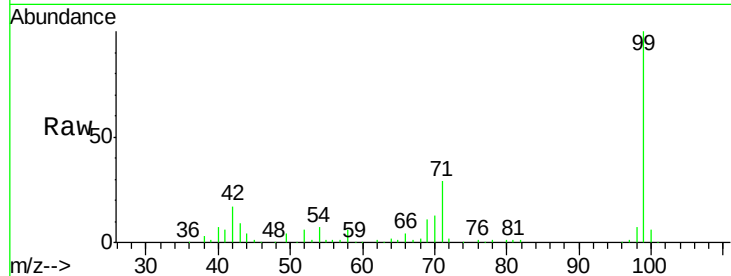
ClientSampleId :

OR-02-041219-BDL

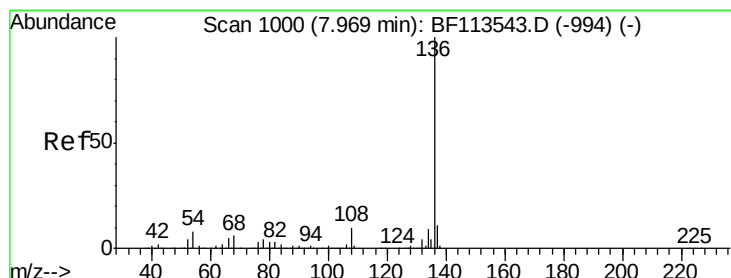
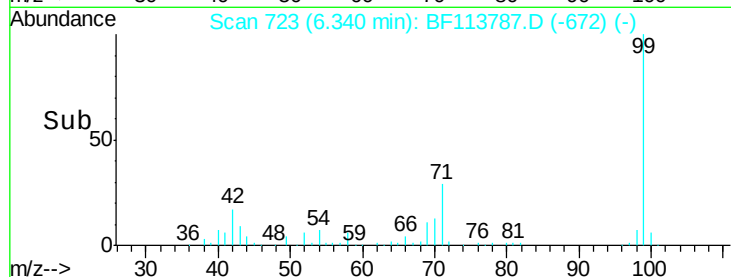
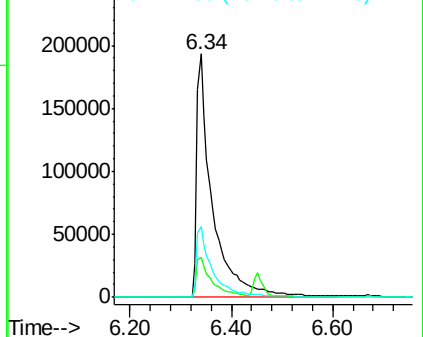
Tgt Ion:	99	Resp:	417585
Ion Ratio	Lower	Upper	
99	100		
42	16.7	15.2	22.8
71	28.8	25.4	38.2

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

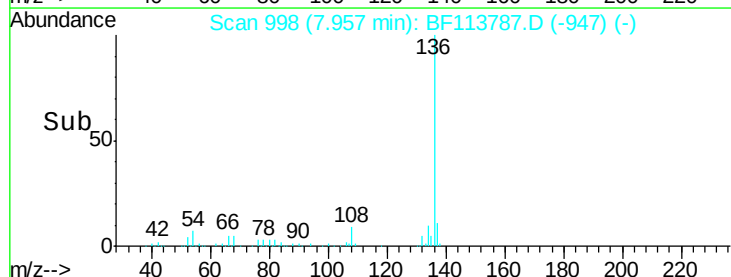
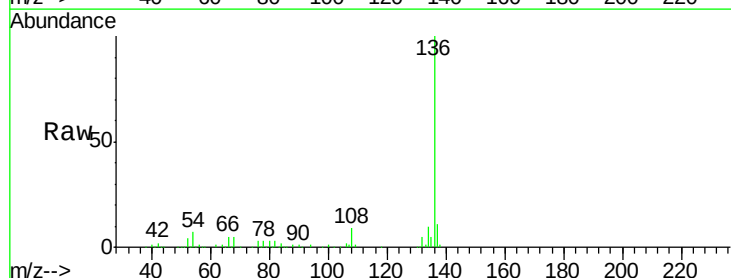
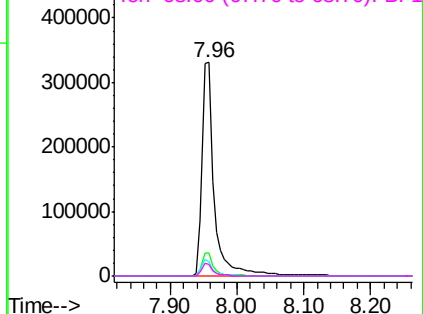
Delta R.T. 0.00 min

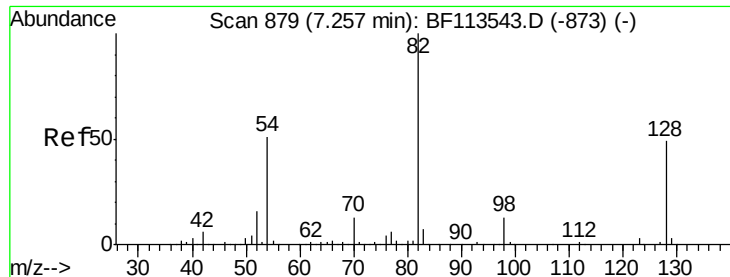
Lab File: BF113787.D

Acq: 16 Apr 2019 12:04

Tgt Ion:	136	Resp:	413965
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.8	13.2
54	6.8	6.4	9.6
68	5.2	4.6	7.0

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





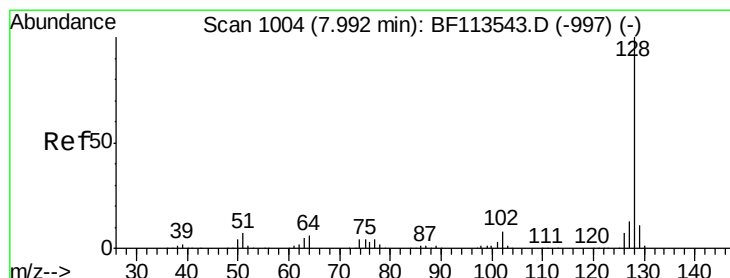
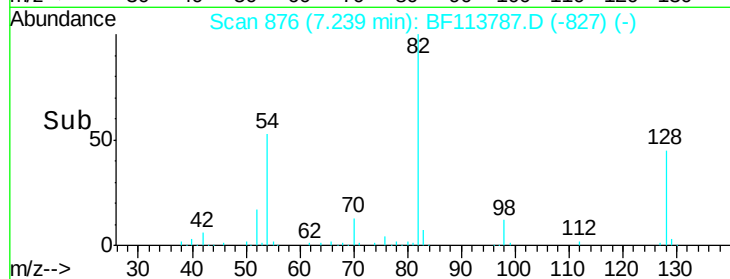
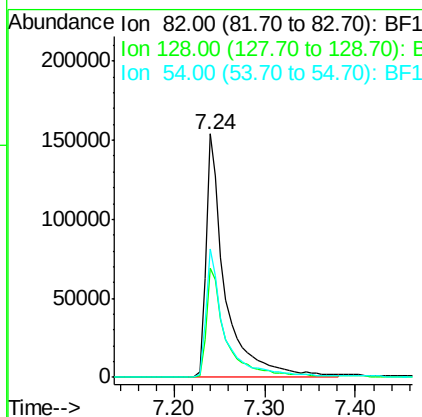
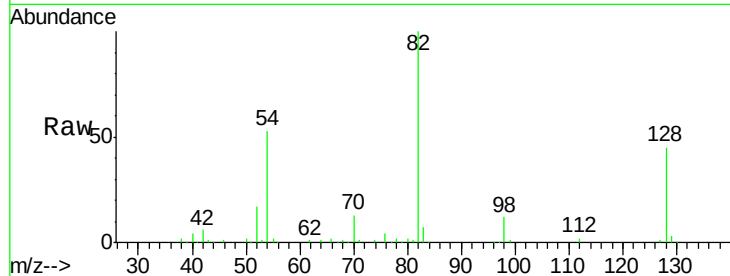
#23
 Nitrobenzene-d5
 Concen: 32.593 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	230342		
128	45.1	38.2	57.2	
54	52.5	41.0	61.4	

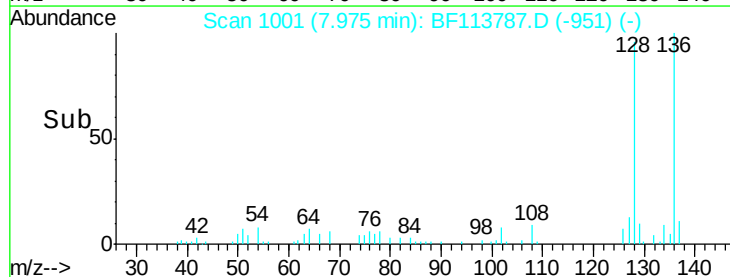
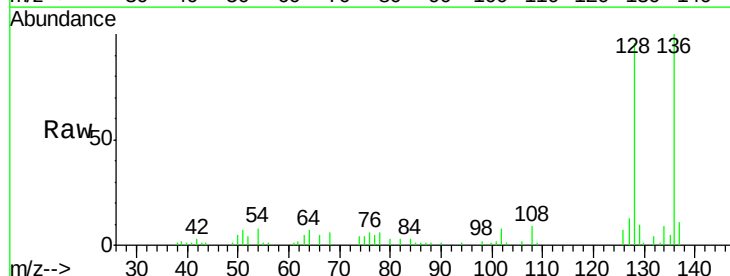
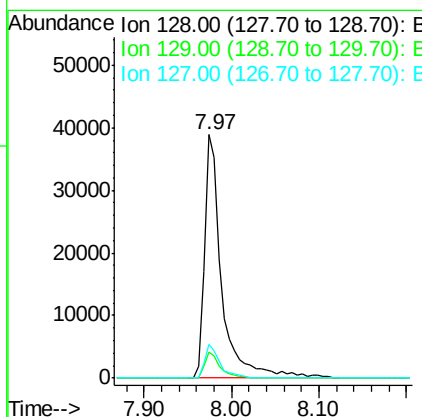
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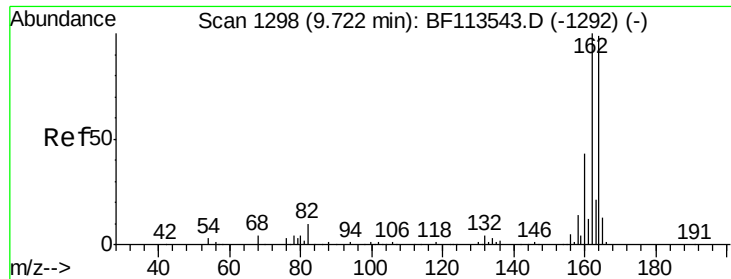
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#31
 Naphthalene
 Concen: 2.653 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	53212		
129	10.7	9.1	13.7	
127	14.0	10.7	16.1	





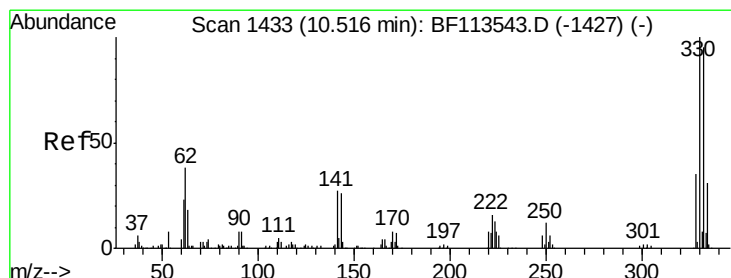
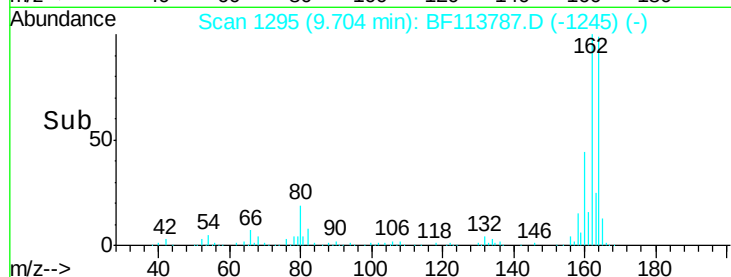
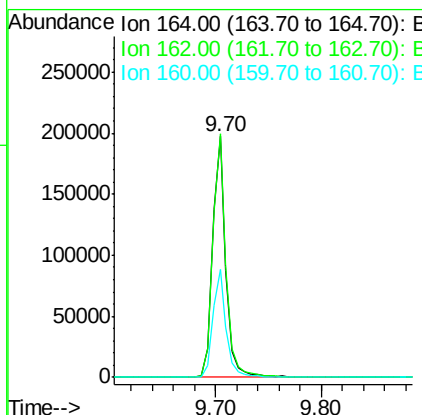
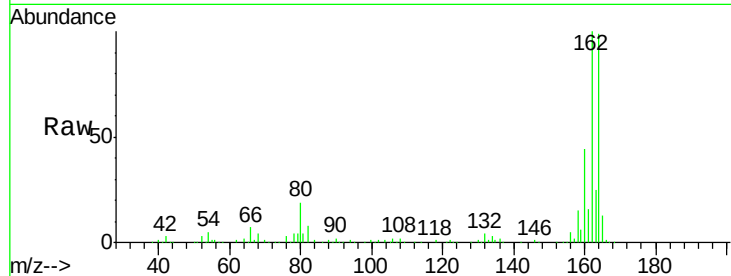
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174112		
162	101.0	80.2	120.2	
160	44.9	35.8	53.6	

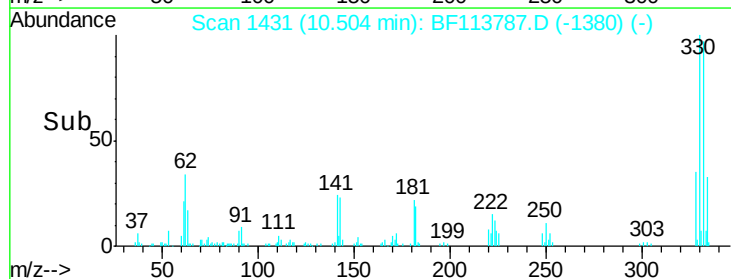
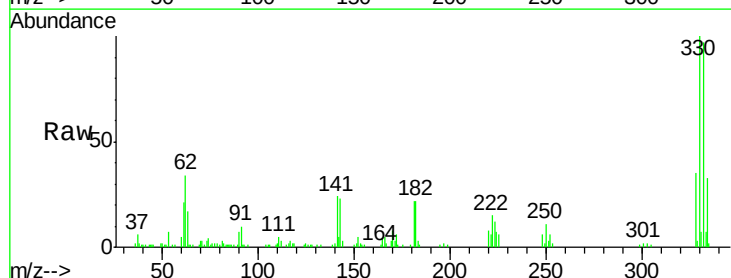
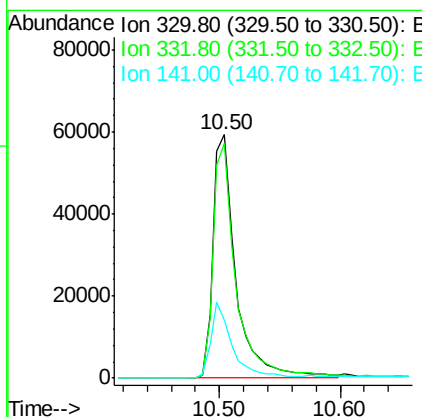
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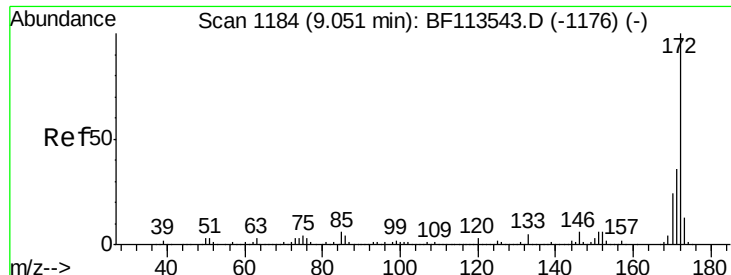
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#42
2,4,6-Tribromophenol
Concen: 37.315 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	78044		
332	96.2	76.8	115.2	
141	29.8	21.0	31.4	





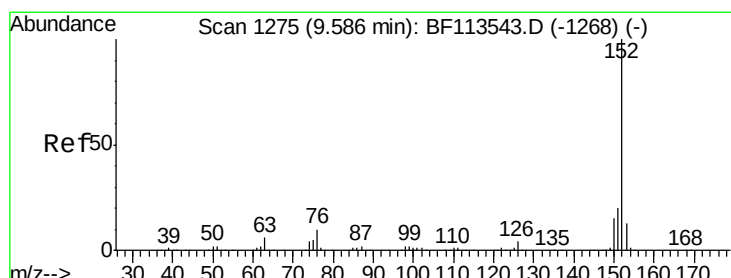
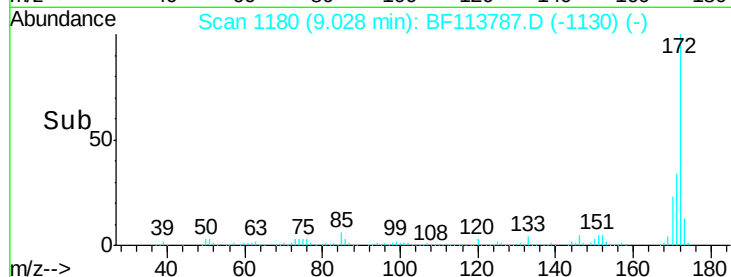
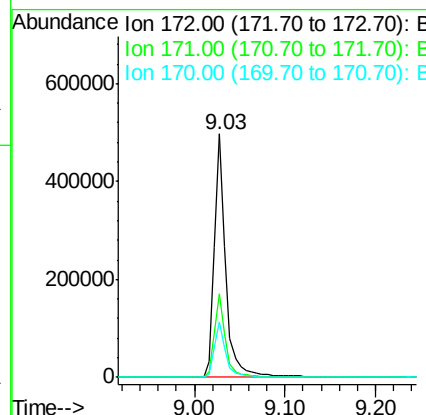
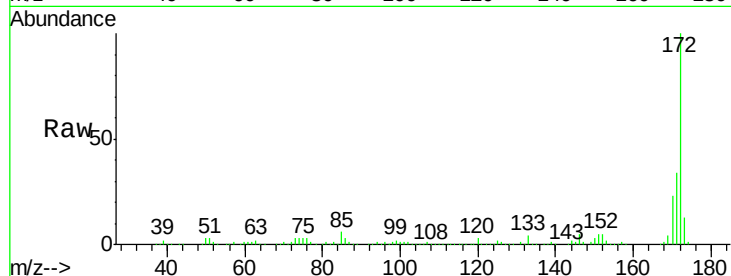
#45
2-Fluorobiphenyl
Concen: 41.606 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	449973		
171	34.4	29.3	43.9	
170	23.0	19.6	29.4	

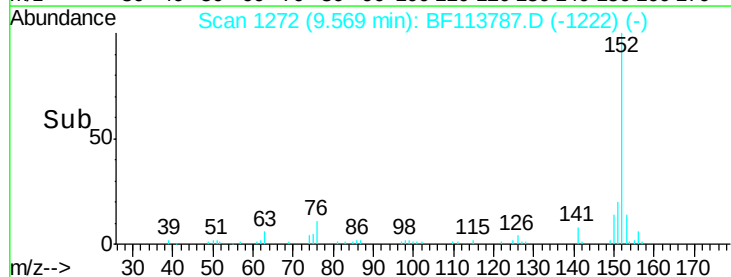
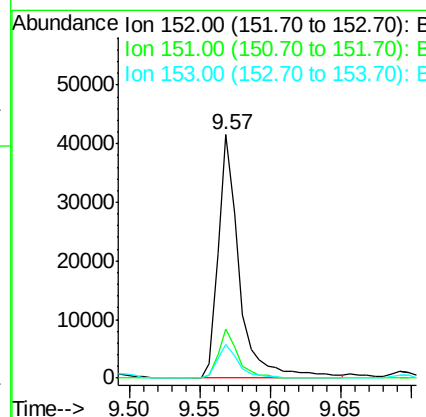
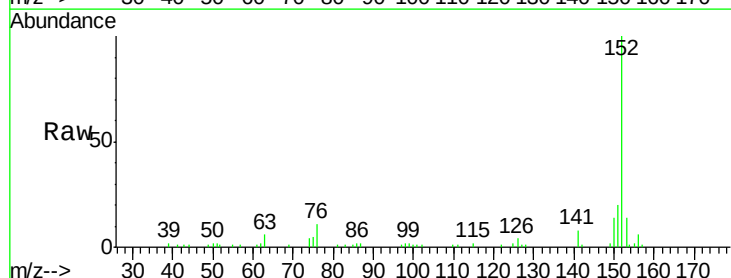
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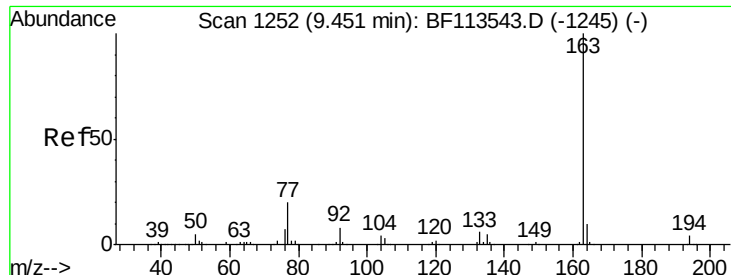
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#49
Acenaphthylene
Concen: 2.446 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	43262		
151	20.2	16.6	24.8	
153	13.9	10.6	16.0	





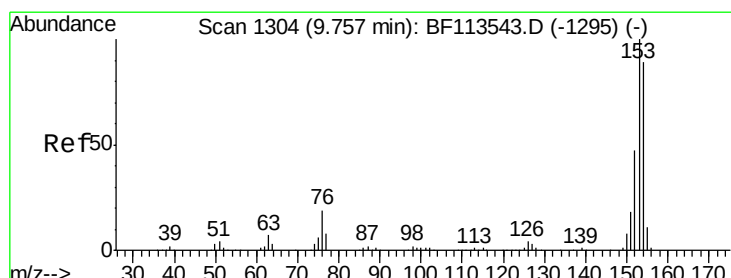
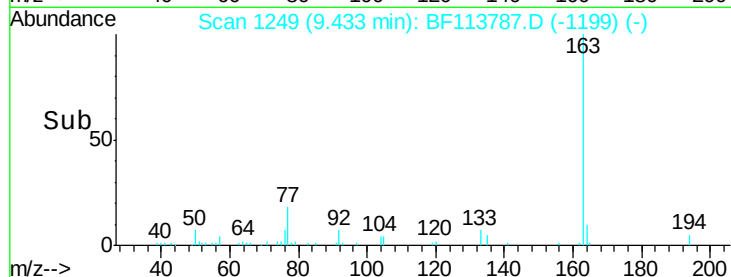
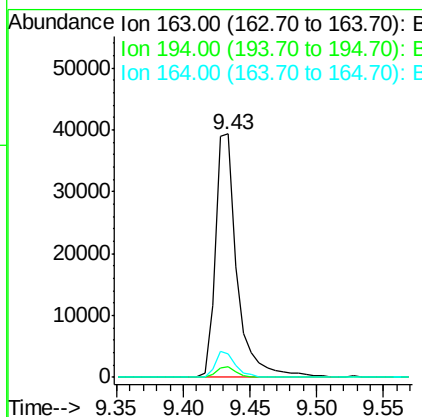
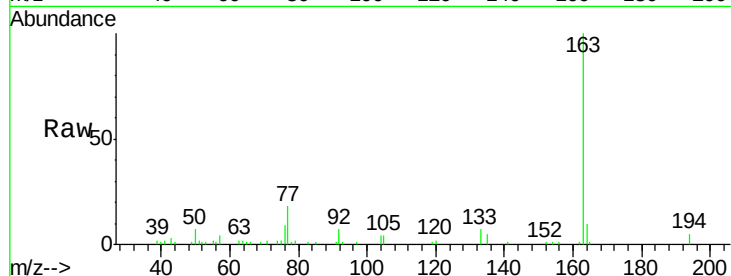
#50
Dimethylphthalate
Concen: 3.528 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	45285		
194	4.5		3.1	4.7
164	9.7		8.3	12.5

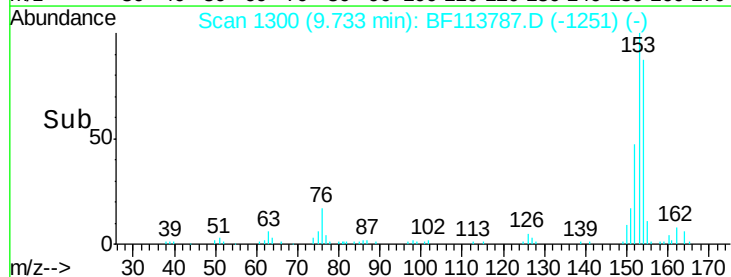
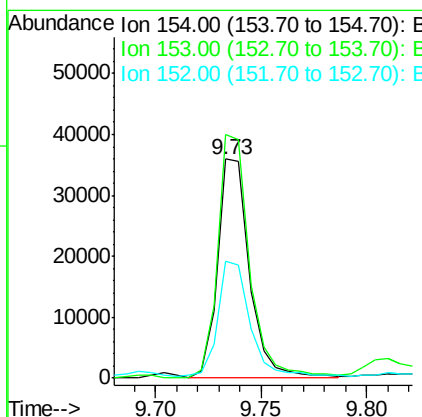
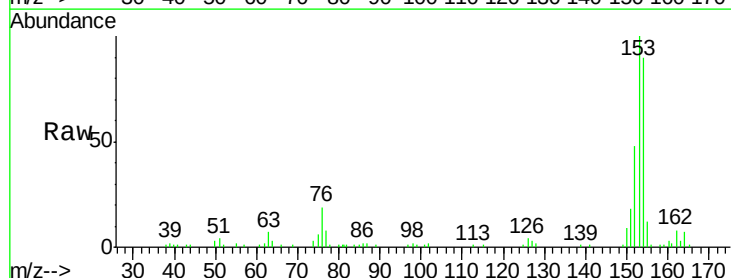
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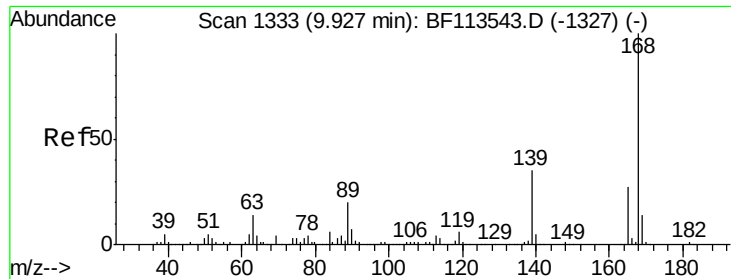
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#52
Acenaphthene
Concen: 3.731 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	37779		
153	111.1		89.8	134.6
152	53.6		42.9	64.3





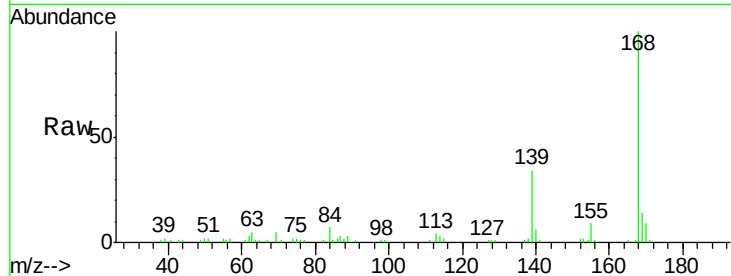
#55
Dibenzenofuran
Concen: 3.571 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

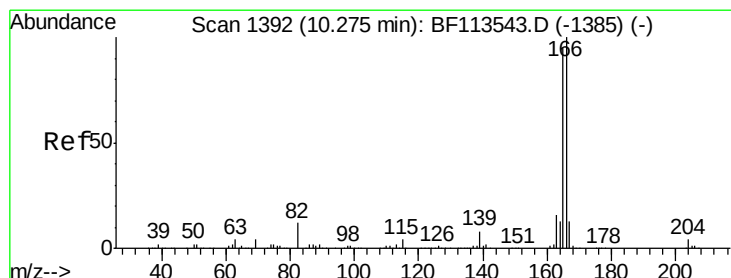
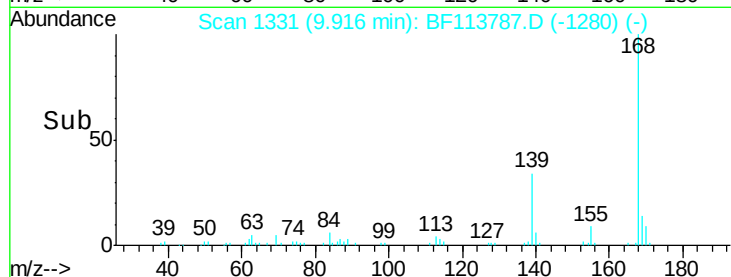
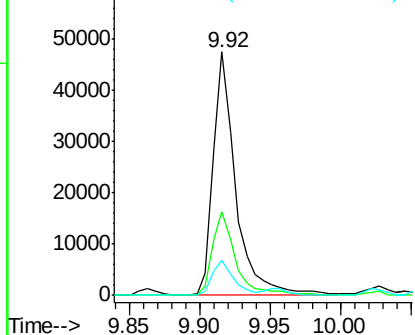
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.4	31.1	46.7
169	14.4	11.2	16.8

Manual Integrations
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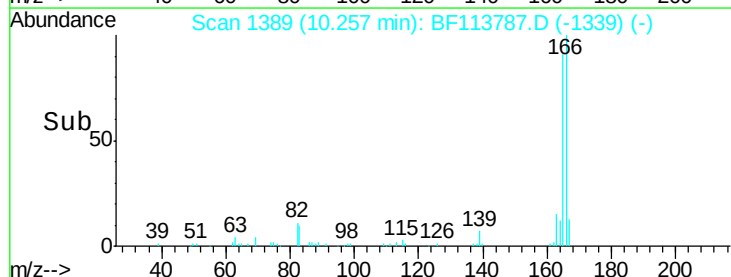
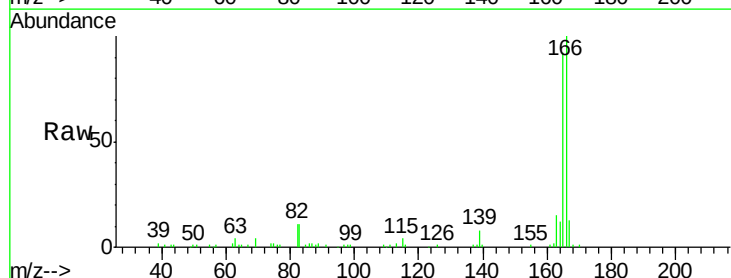
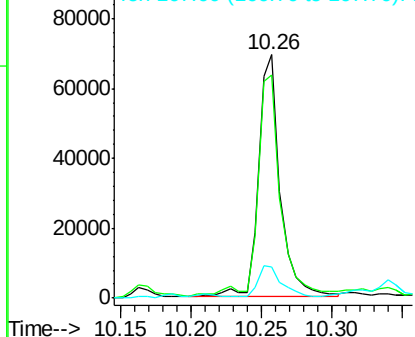
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

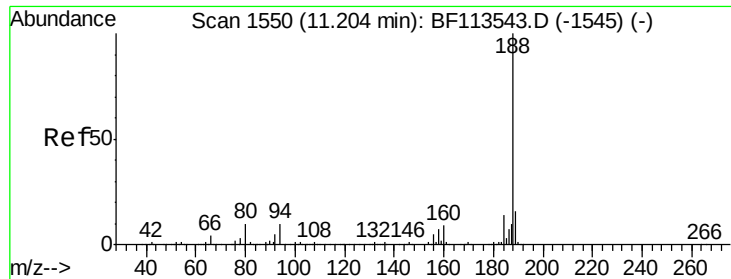


#58
Fluorene
Concen: 6.439 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.7	76.0	114.0
167	13.0	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





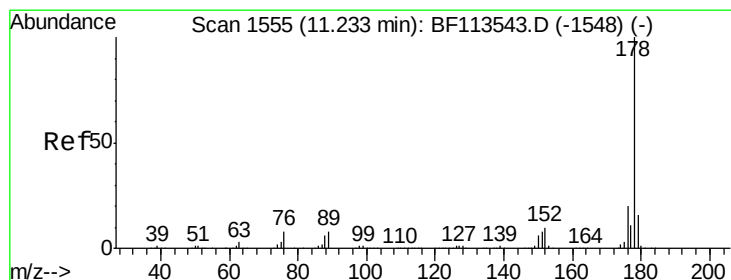
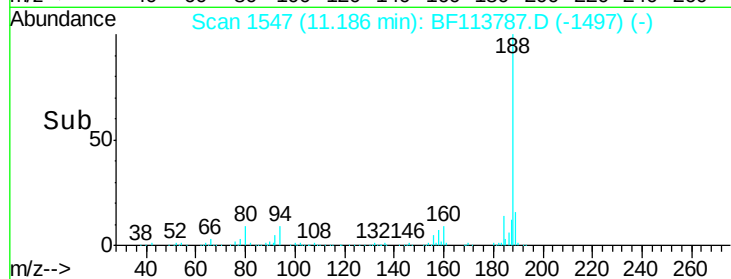
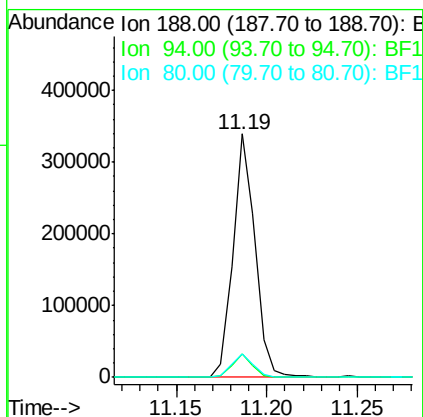
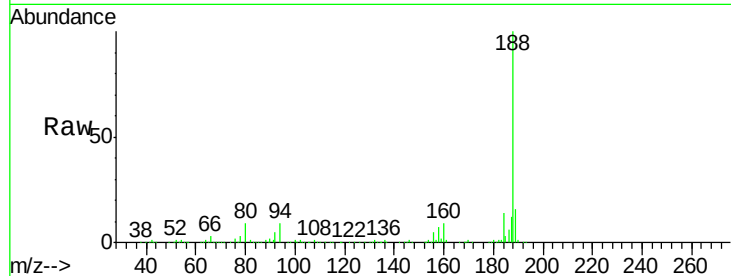
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	7.2	10.8
80	9.4	7.4	11.2

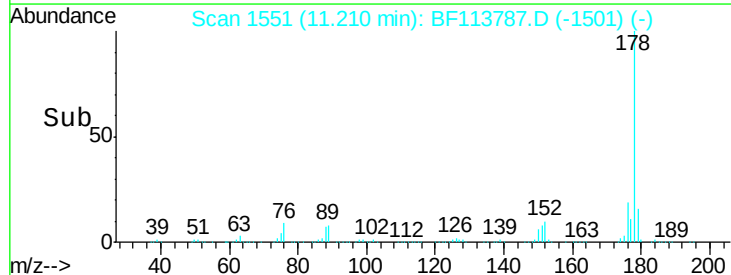
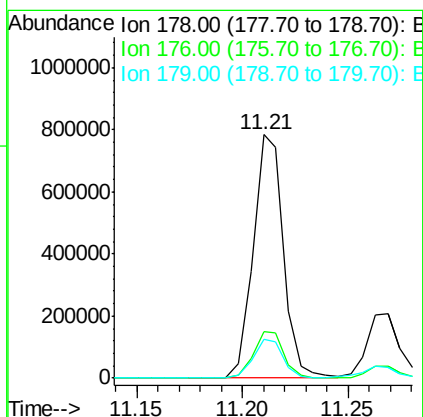
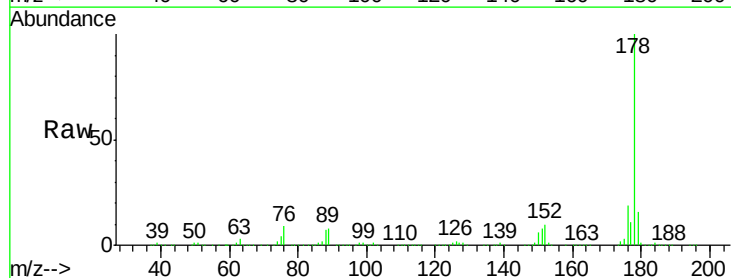
Manual Integrations
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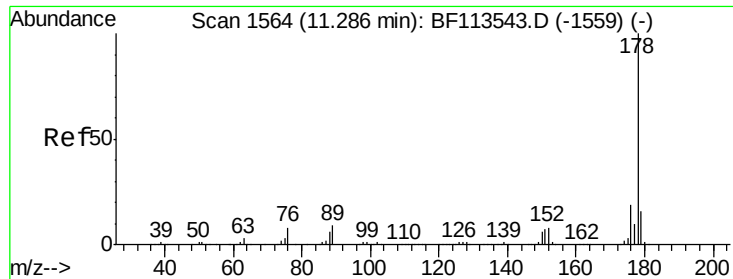
Sohil
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#71
Phenanthrene
Concen: 54.560 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.2	24.4
179	15.7	12.9	19.3





#72

Anthracene

Concen: 16.486 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BF113787.D

Acq: 16 Apr 2019 12:04

Instrument :

BNA_F

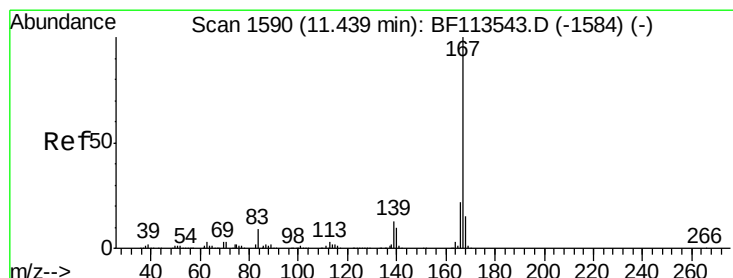
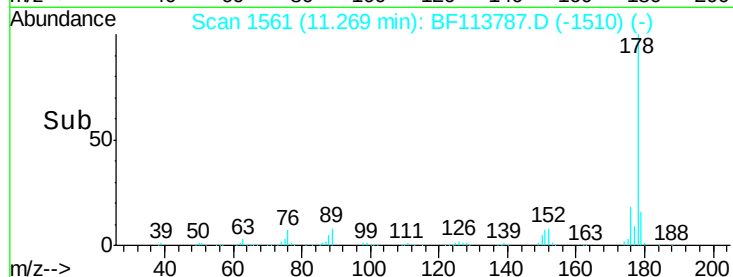
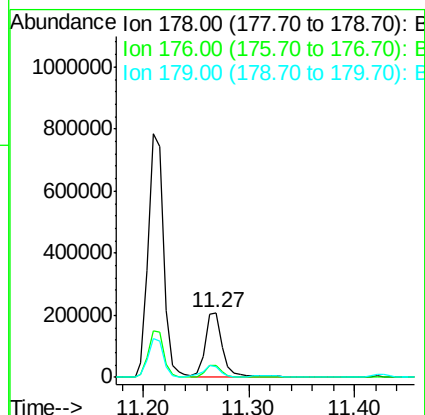
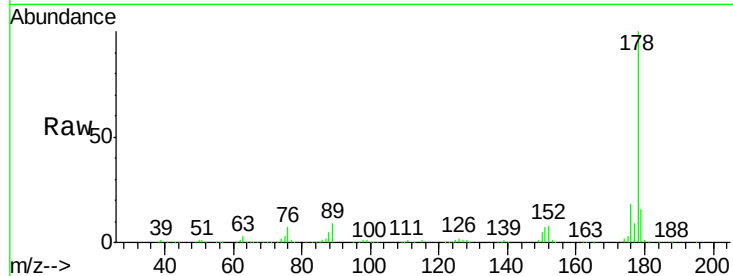
ClientSampleId :

OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	16.3	12.7	19.1

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#73

Carbazole

Concen: 4.093 ng

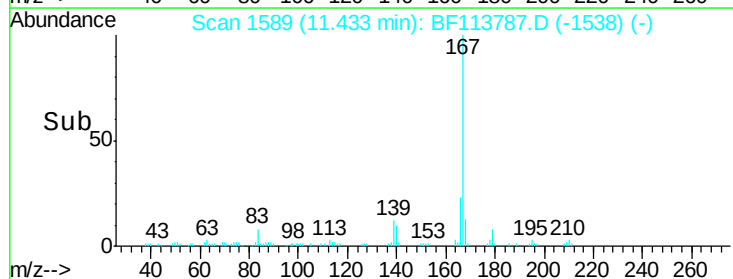
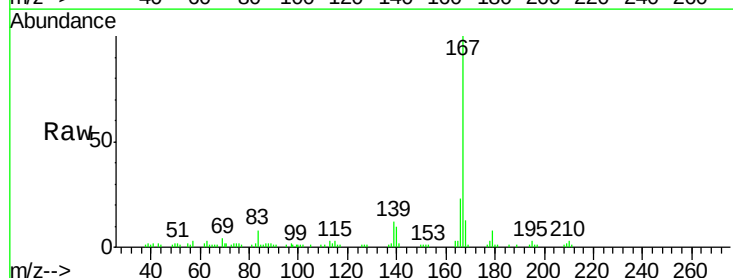
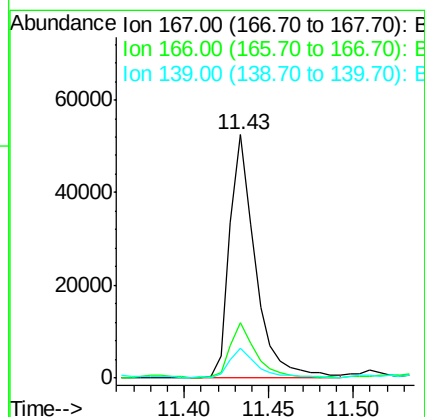
RT: 11.43 min Scan# 1589

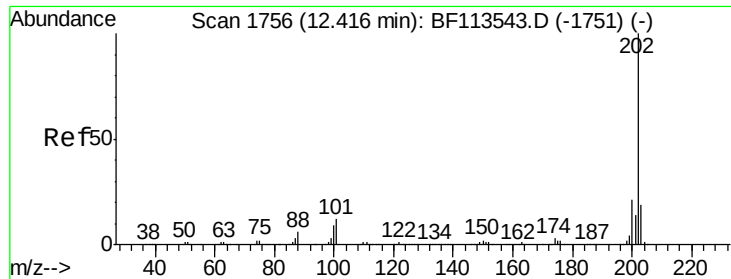
Delta R.T. -0.00 min

Lab File: BF113787.D

Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	12.4	10.1	15.1





#75

Fluoranthene

Concen: 74.295 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.00 min

Lab File: BF113787.D

Acq: 16 Apr 2019 12:04

Instrument :

BNA_F

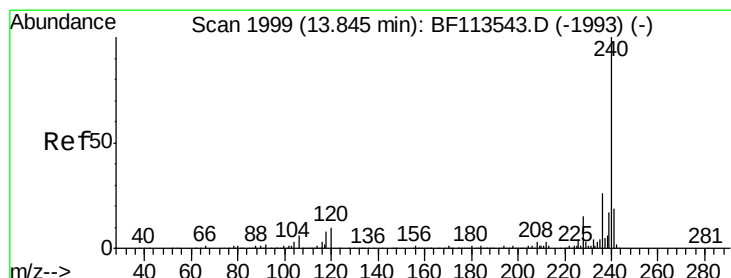
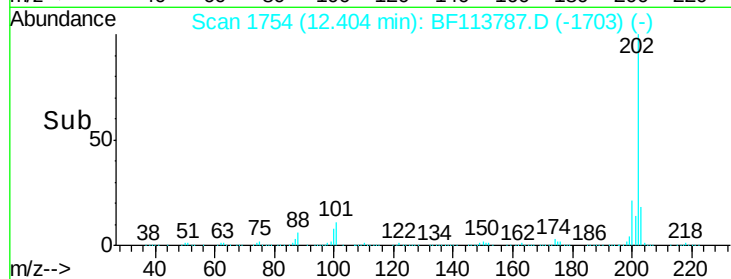
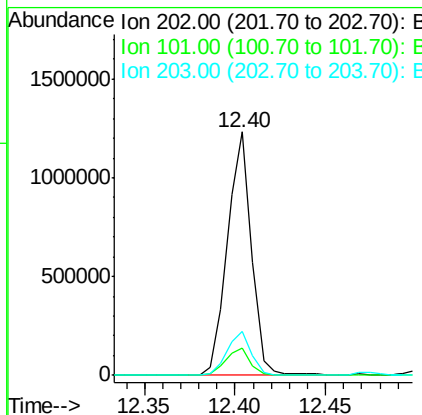
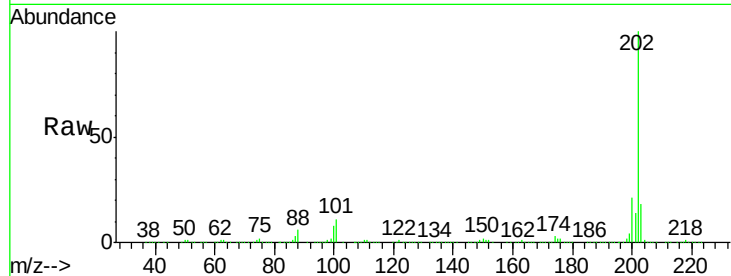
ClientSampleId :

OR-02-041219-BDL

Tgt Ion:	202	Resp:	1138031
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.8
203	18.3	0.0	38.2

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

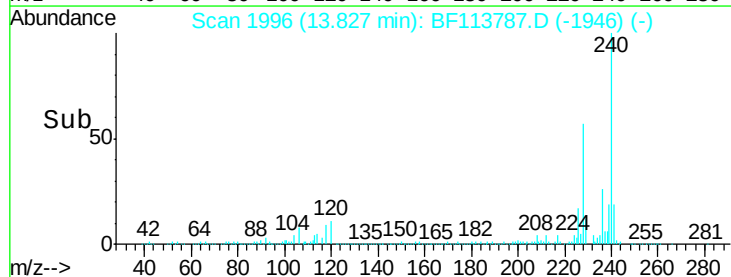
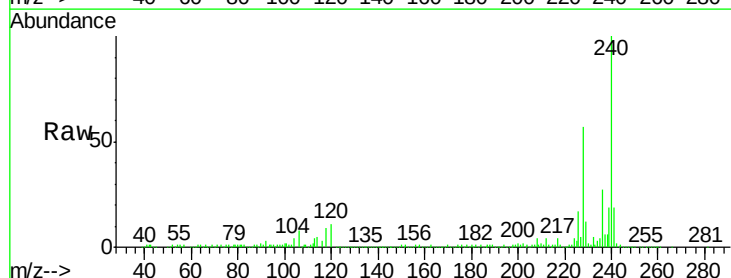
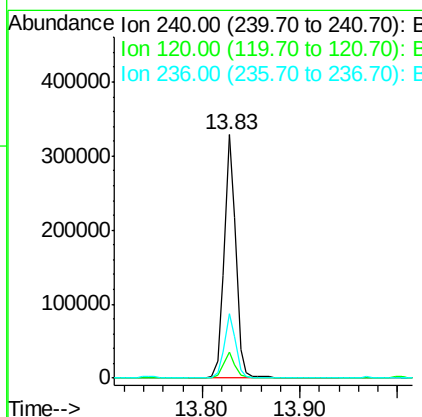
RT: 13.83 min Scan# 1996

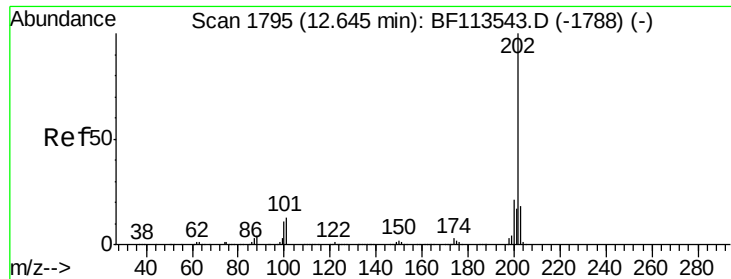
Delta R.T. -0.01 min

Lab File: BF113787.D

Acq: 16 Apr 2019 12:04

Tgt Ion:	240	Resp:	273590
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.5	12.7
236	26.6	21.0	31.6





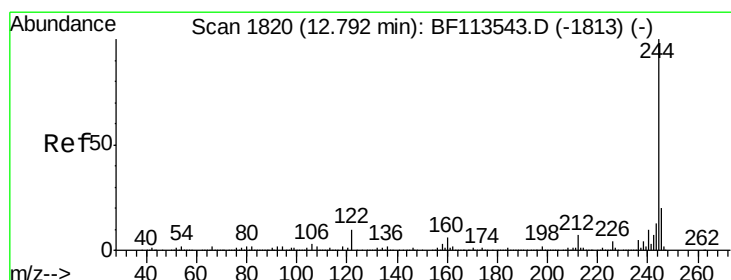
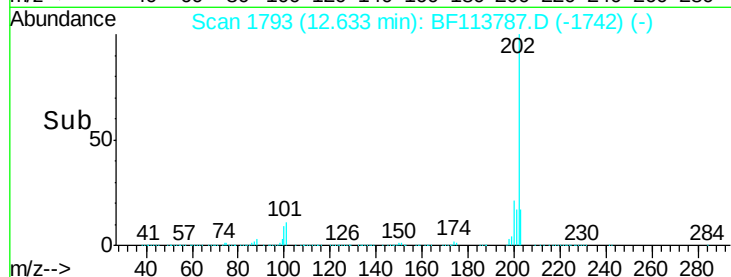
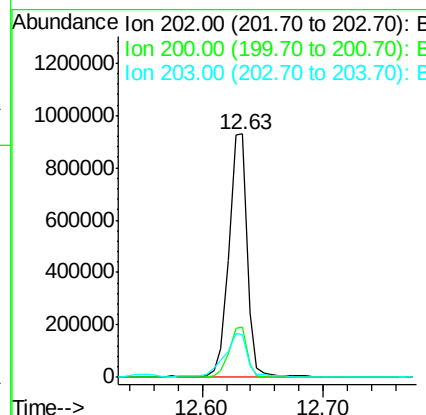
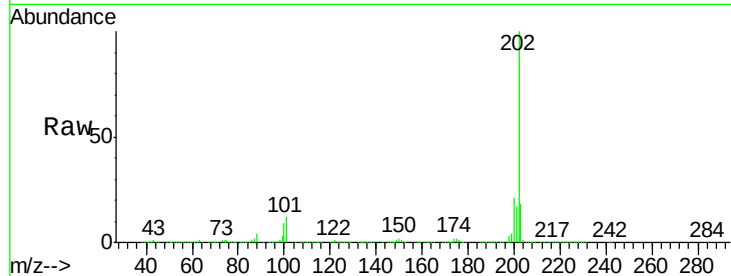
#78
 Pyrene
 Concen: 46.812 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.7	14.7	22.1

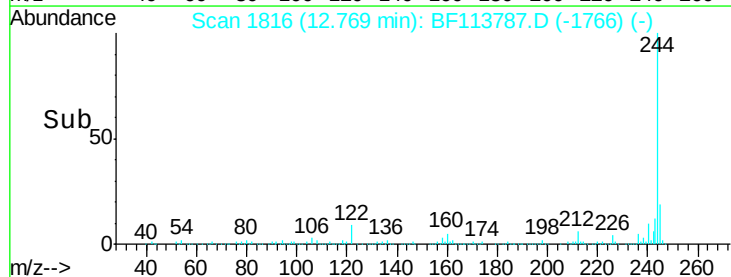
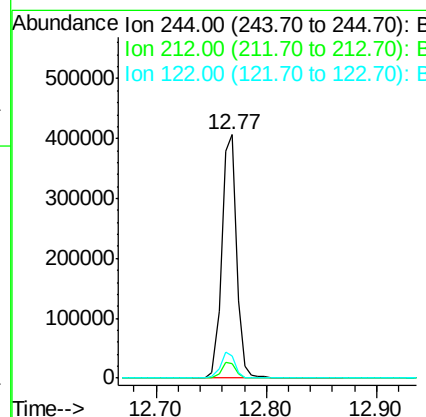
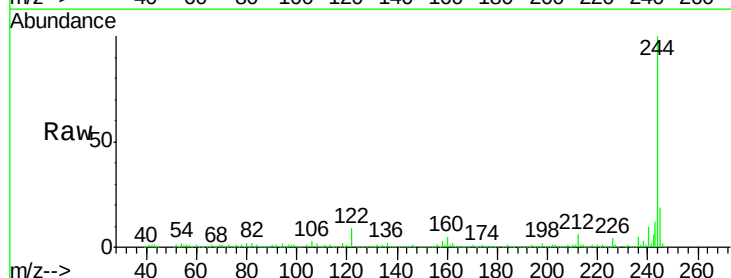
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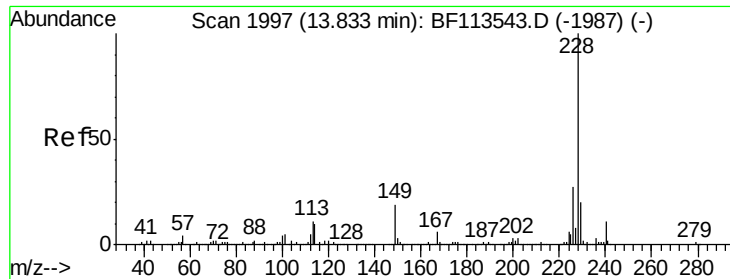
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#79
 Terphenyl-d14
 Concen: 28.198 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.2
122	9.3	9.0	13.6





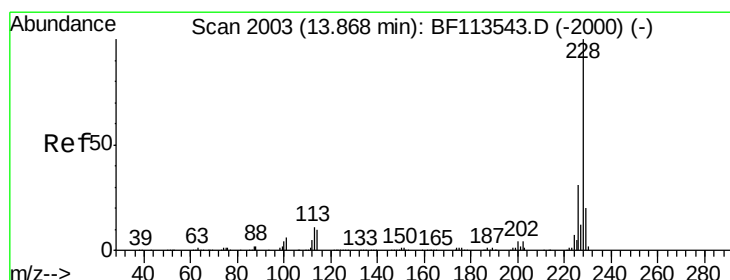
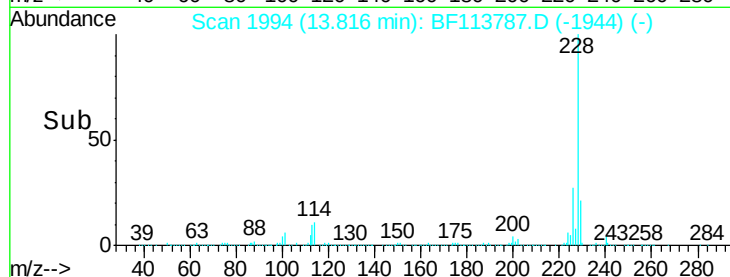
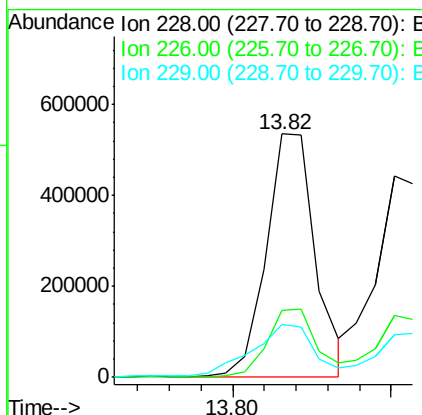
#81
Benzo(a)anthracene
Concen: 36.340 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	21.5	16.4	24.6

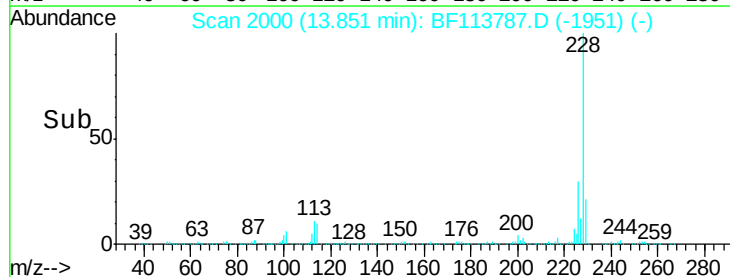
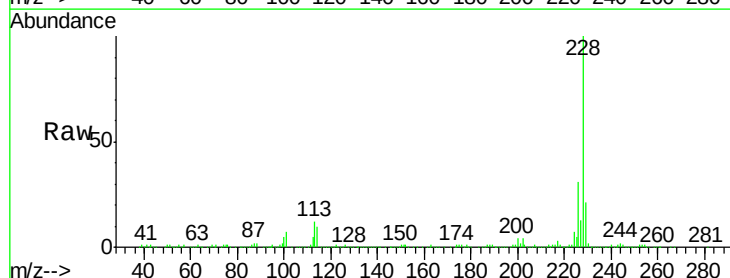
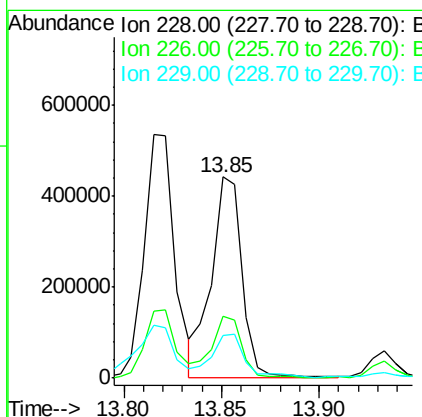
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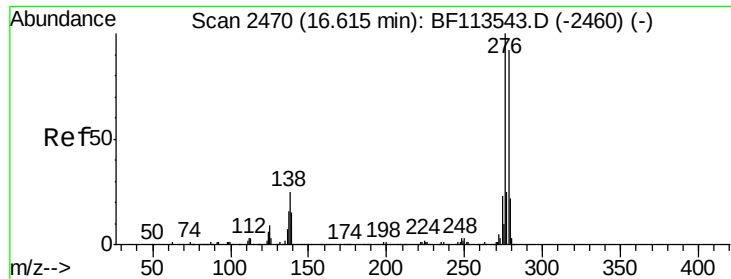
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#83
Chrysene
Concen: 30.067 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	21.5	16.2	24.2





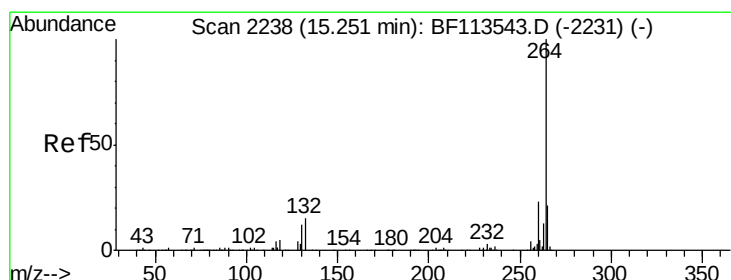
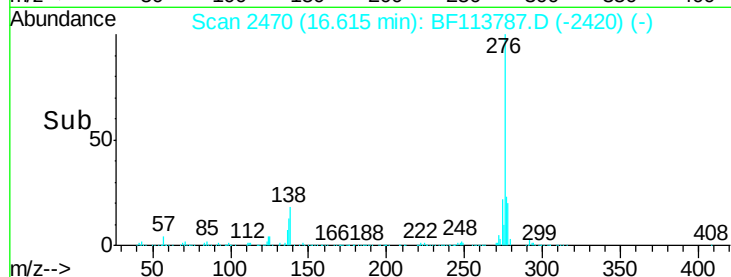
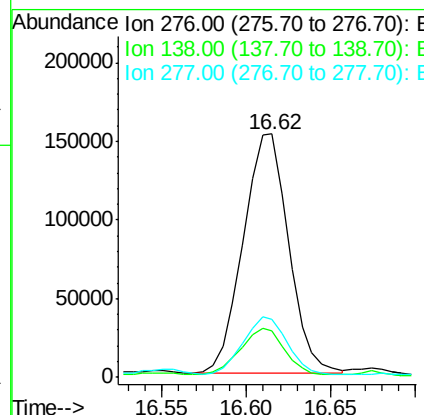
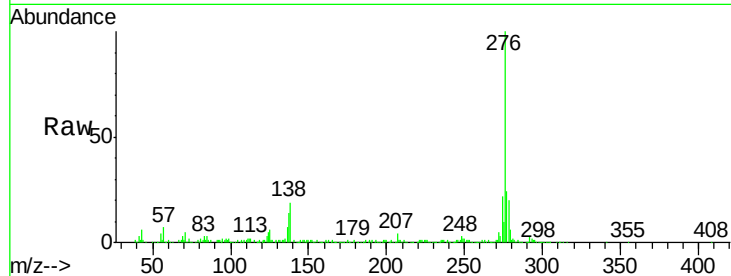
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 19.336 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. -0.01 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-BDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.3	18.4	27.6
277	22.8	20.1	30.1

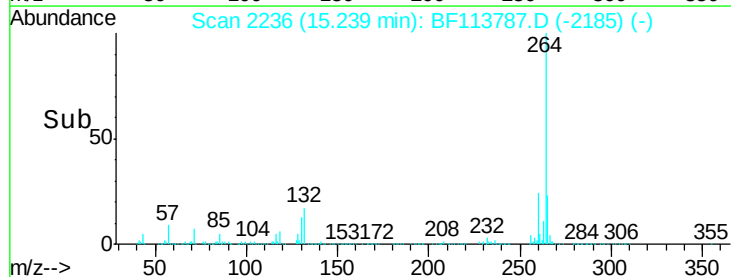
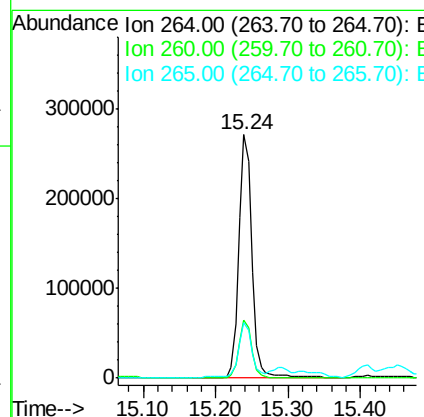
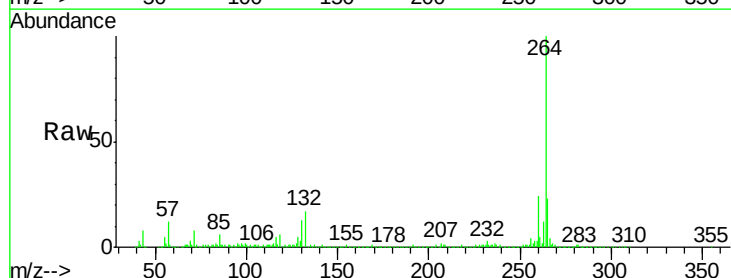
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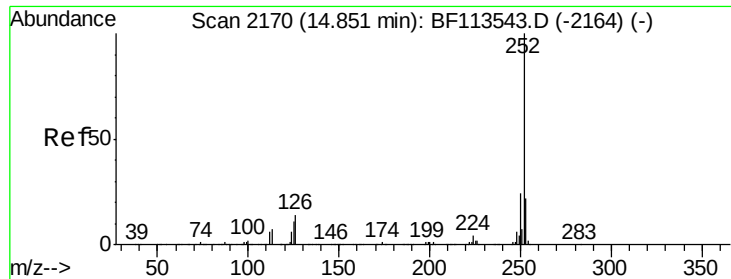
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.9	19.0	28.6
265	22.9	17.4	26.0





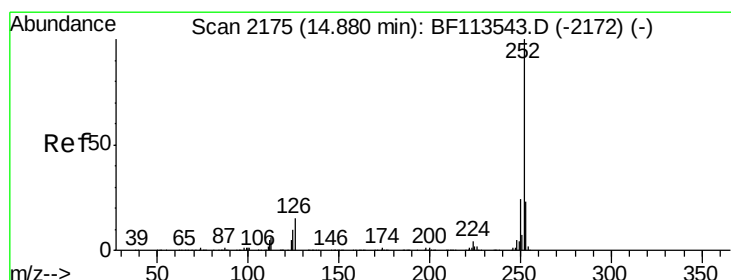
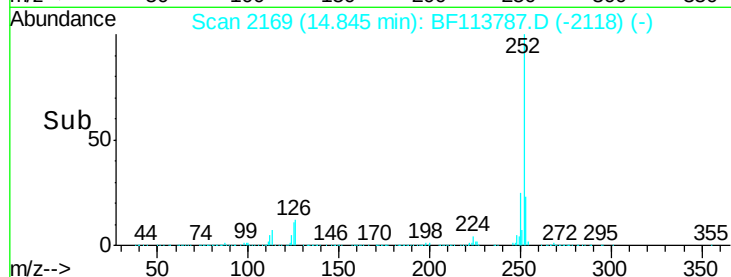
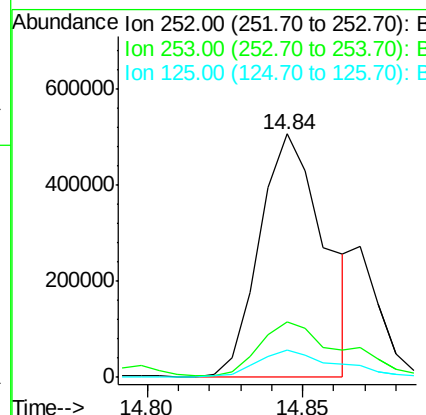
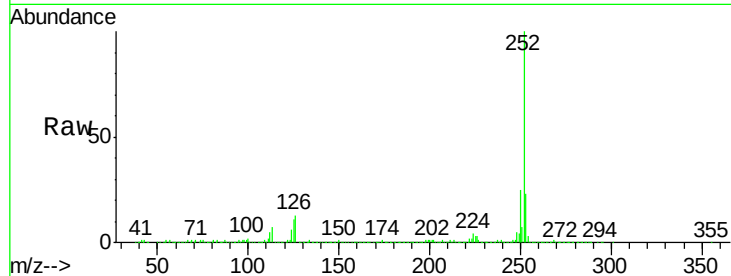
#88
 Benzo(b)fluoranthene
 Concen: 35.185 ng m
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.1	8.3	12.5

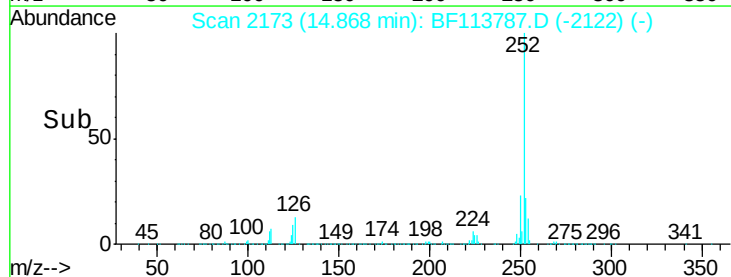
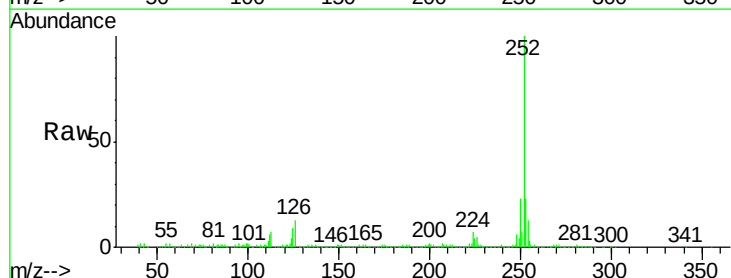
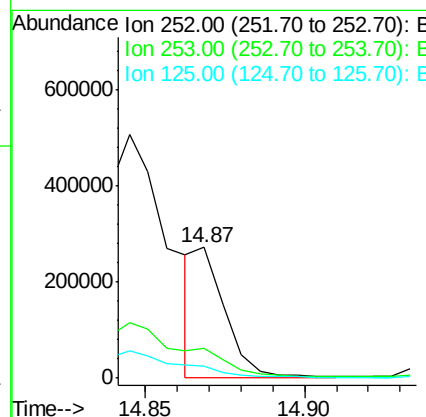
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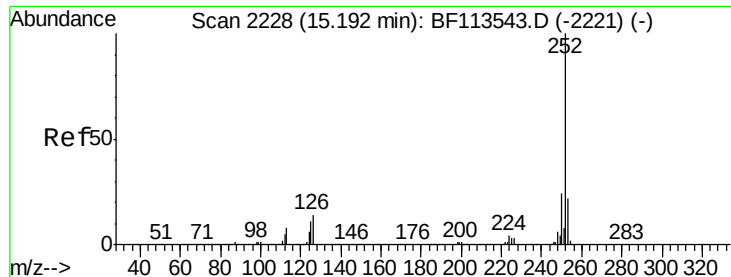
Sohil
 4/17/2019 3:45:33 PM



#89
 Benzo(k)fluoranthene
 Concen: 9.584 ng m
 RT: 14.87 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	9.3	8.7	13.1





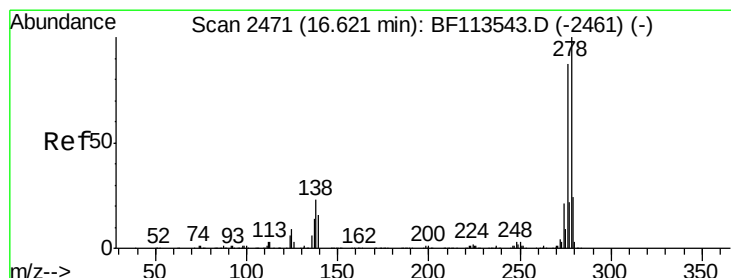
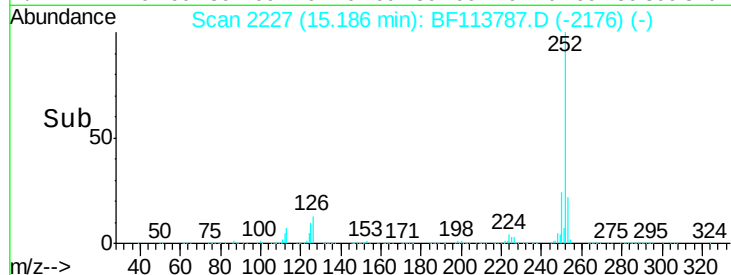
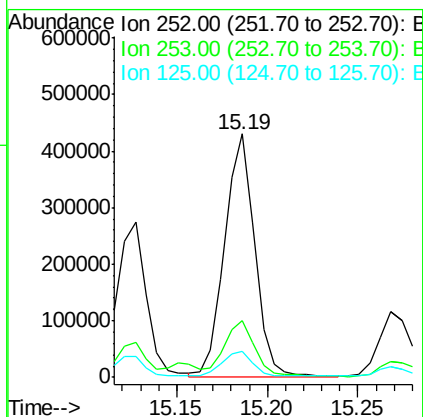
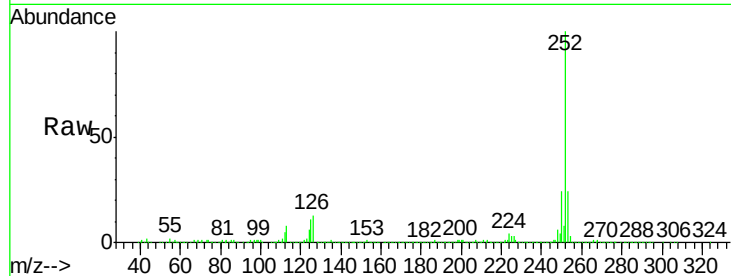
#90
Benzo(a)pyrene
Concen: 26.716 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	10.6	8.5	12.7

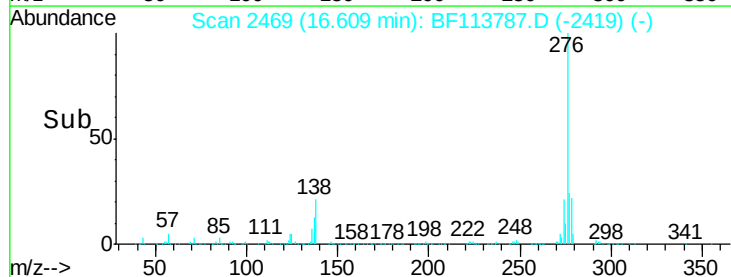
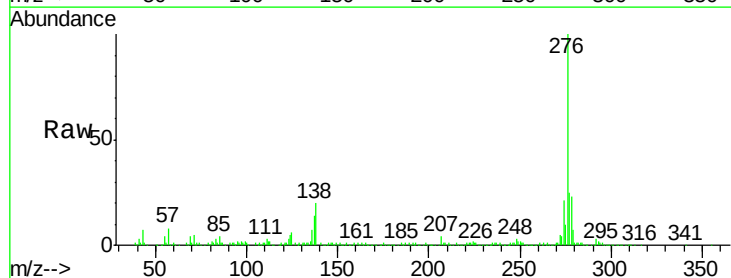
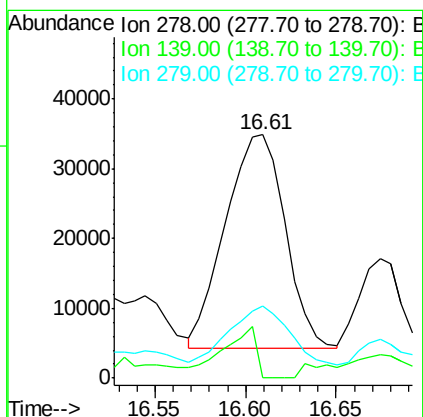
Manual Integrations
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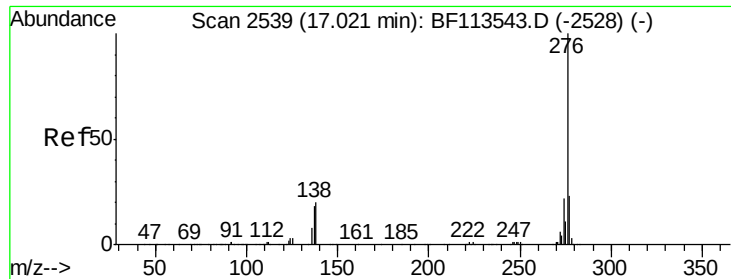
Sohil
4/17/2019 3:45:33 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.023 ng m
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113787.D
Acq: 16 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	29.8	18.8	28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 14.100 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.00 min
 Lab File: BF113787.D
 Acq: 16 Apr 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-BDL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	20.0	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 4/17/2019 3:45:33 PM

