

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114454.D
 Acq On : 21 May 2019 14:32
 Operator : JU/SJ
 Sample : K2865-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Manual Integrations
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Sohil
 5/23/2019 8:15:40 AM

Quant Time: May 21 15:09:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	239459	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	905548	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	442451	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	866625	20.00	ng	0.00
76) Chrysene-d12	14.00	240	480407	20.00	ng	0.00
87) Perylene-d12	15.47	264	569794	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1260475	84.71	ng	-0.01
7) Phenol-d6	6.47	99	1690937	96.08	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1019678	63.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	375185	82.02	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1744419	59.64	ng	0.00
79) Terphenyl-d14	12.93	244	1592277	68.32	ng	0.00

Target Compounds					Qvalue
31) Naphthalene	8.13	128	90990	2.151 ng	96
37) 2-Methylnaphthalene	8.83	142	116893	4.283 ng	94
38) 1-Methylnaphthalene	8.92	142	61714	2.401 ng	98
50) Dimethylphthalate	9.58	163	323842	9.970 ng	99
71) Phenanthrene	11.37	178	1116638	26.484 ng	98
72) Anthracene	11.43	178	309635	7.312 ng	98
73) Carbazole	11.59	167	180783	4.477 ng	98
75) Fluoranthene	12.57	202	2183706	48.096 ng	100
78) Pyrene	12.80	202	1994673	51.613 ng	99
81) Benzo(a)anthracene	13.99	228	1285083	41.358 ng	98
83) Chrysene	14.02	228	1159190	38.056 ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	65783	3.092 ng	100
86) Indeno(1,2,3-cd)pyrene	16.94	276	533765	19.828 ng	95
88) Benzo(b)fluoranthene	15.04	252	1397935m	38.295 ng	
89) Benzo(k)fluoranthene	15.07	252	590387m	17.606 ng	
90) Benzo(a)pyrene	15.41	252	1066660	33.202 ng	98
91) Dibenzo(a,h)anthracene	16.94	278	156945m	5.879 ng	
92) Benzo(g,h,i)perylene	17.39	276	487530	18.223 ng	99

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

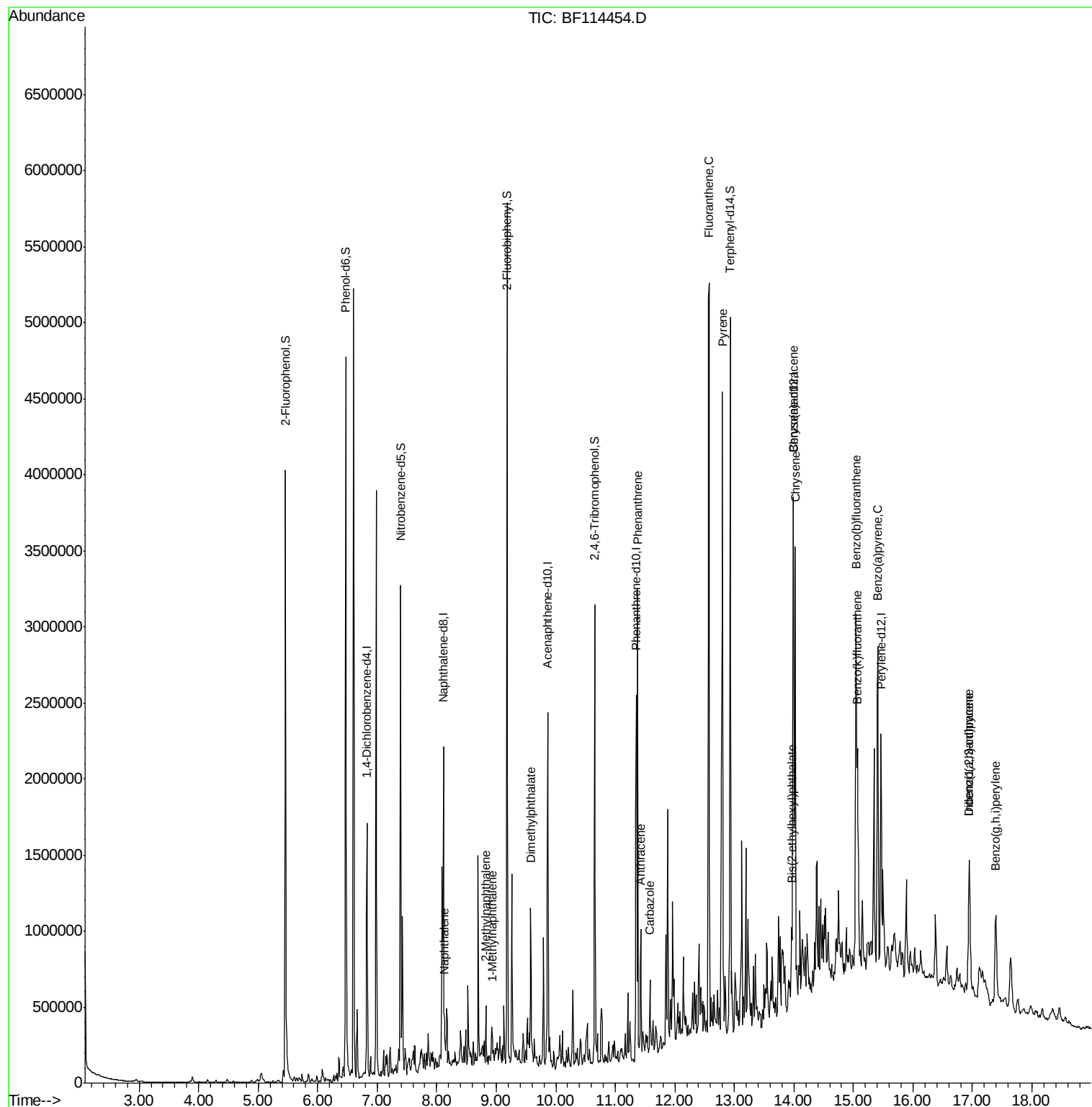
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114454.D
Acq On : 21 May 2019 14:32
Operator : JU/SJ
Sample : K2865-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

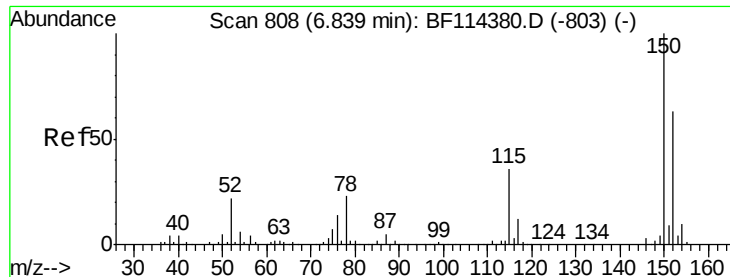
Instrument :
BNA_F
ClientSampleId :
TP-21-S

Quant Time: May 21 15:09:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 04:47:40 2019
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#1

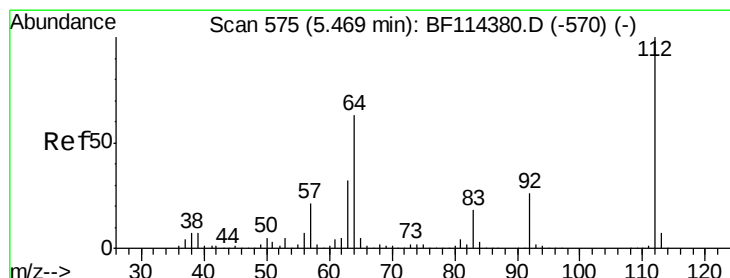
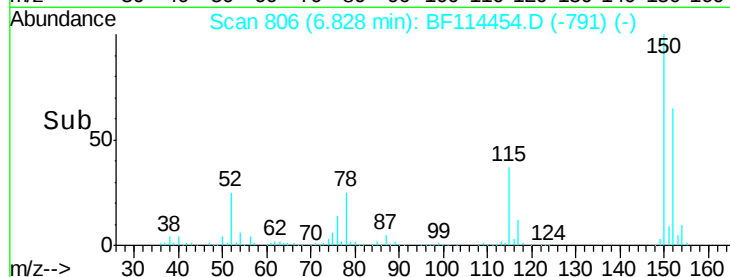
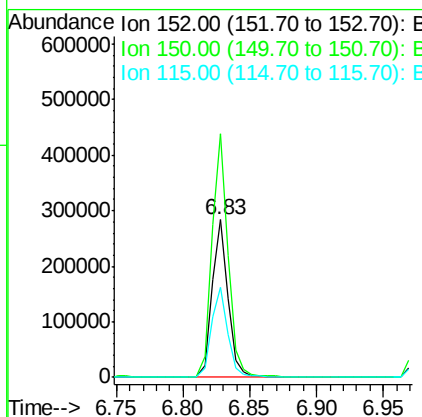
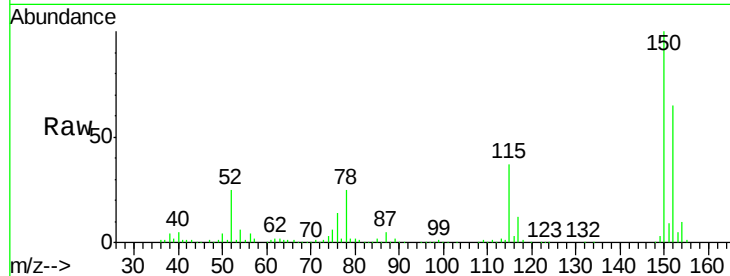
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Instrument :
BNA_F
ClientSampled :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	57.3	49.1	73.7

Manual Integrations
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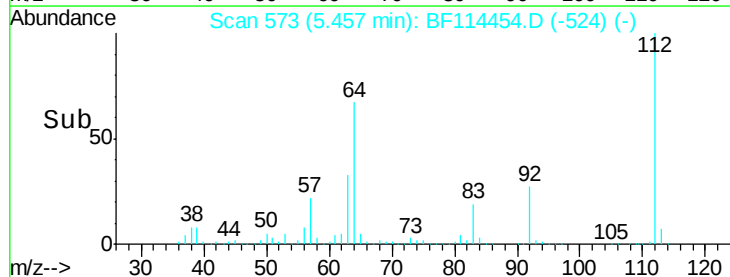
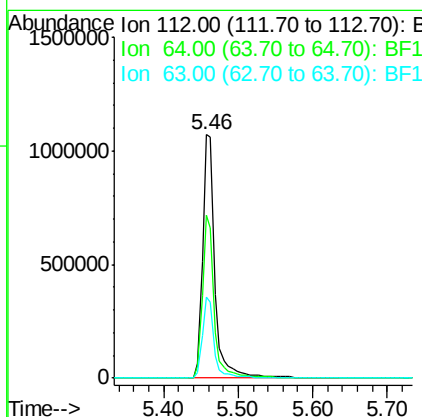
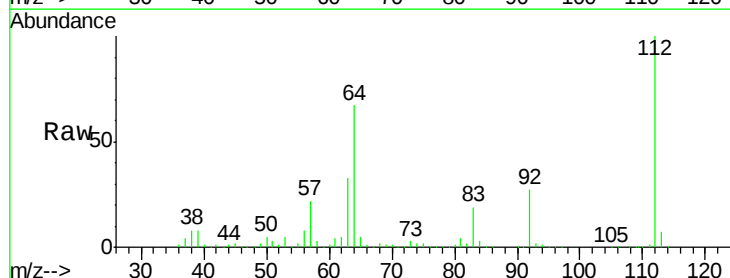
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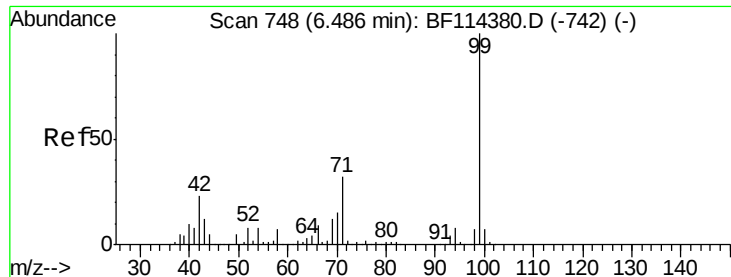


#5

2-Fluorophenol
Concen: 84.709 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	49.0	73.6
63	33.5	24.6	37.0





#7

Phenol-d6

Concen: 96.081 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Instrument :

BNA_F

ClientSampleId :

TP-21-S

Tgt Ion: 99 Resp: 1690937

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

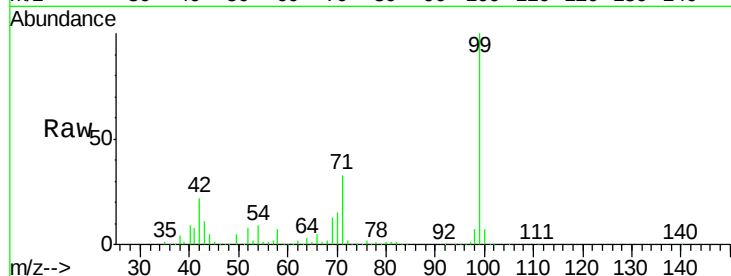
71 32.8 26.2 39.2

Manual Integrations

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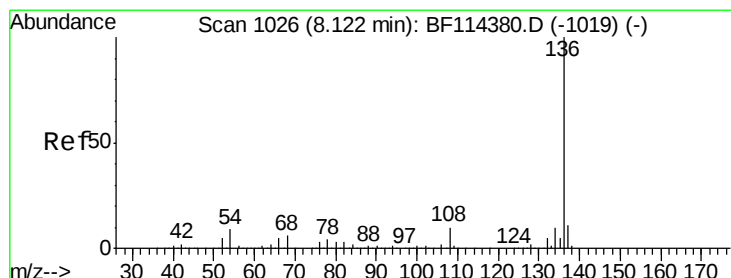
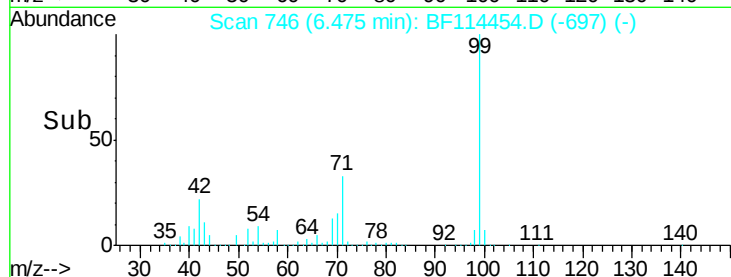
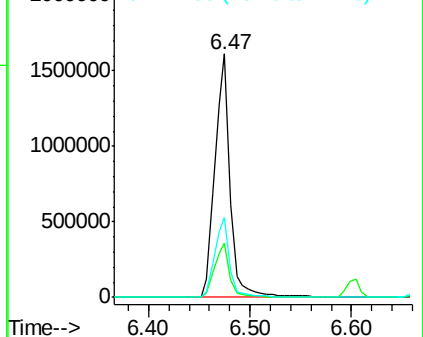
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Tgt Ion: 136 Resp: 905548

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.6 7.8 11.8

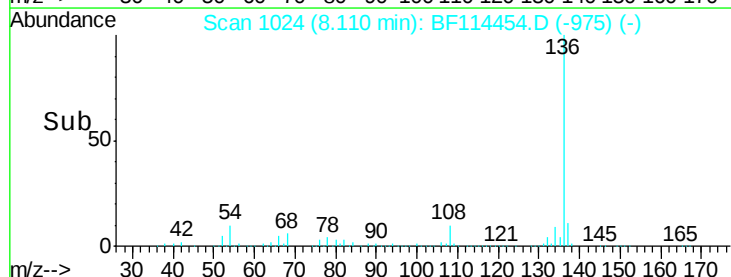
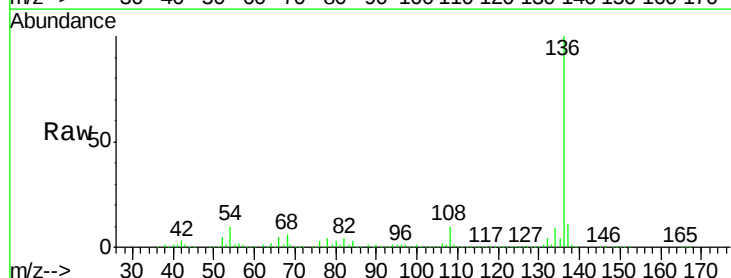
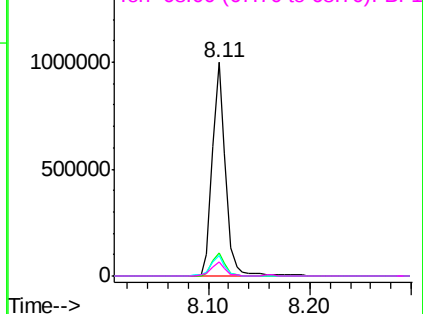
68 6.4 5.1 7.7

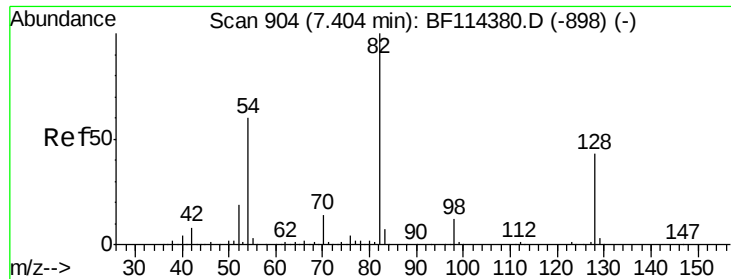
Abundance Ion 136.00 (135.70 to 136.70): E

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





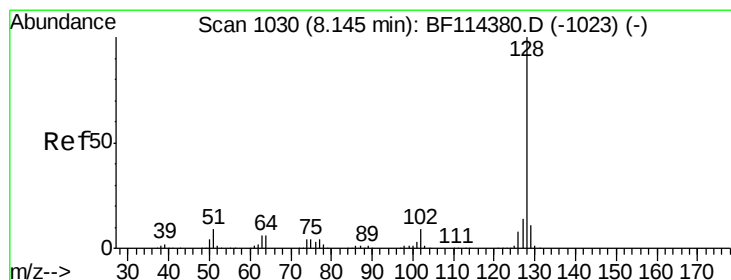
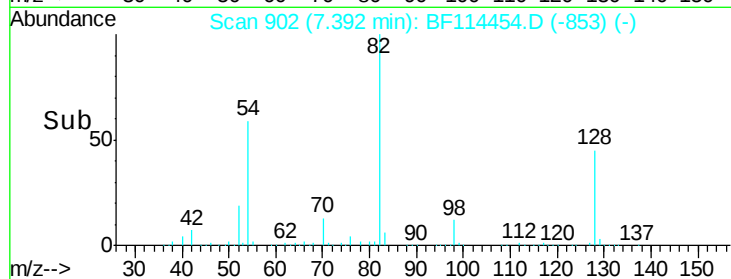
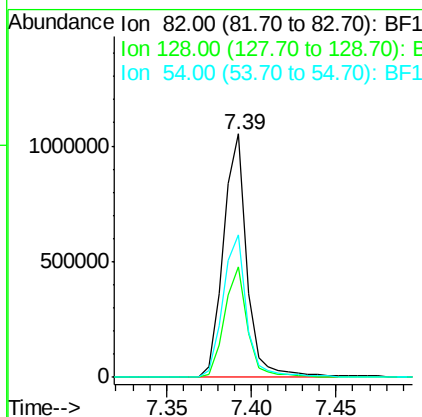
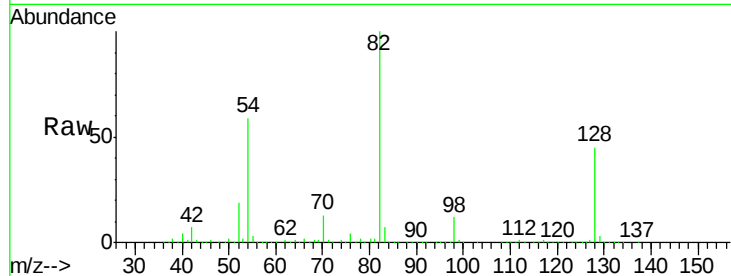
#23
Nitrobenzene-d5
Concen: 63.193 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Instrument :
BNA_F
ClientSampleId :
TP-21-S

Tgt Ion: 82 Resp: 1019678
Ion Ratio Lower Upper
82 100
128 45.3 35.5 53.3
54 58.6 48.5 72.7

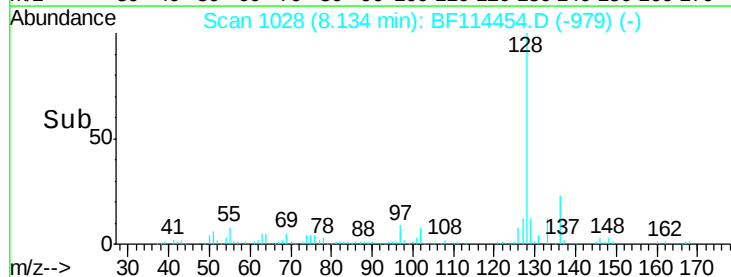
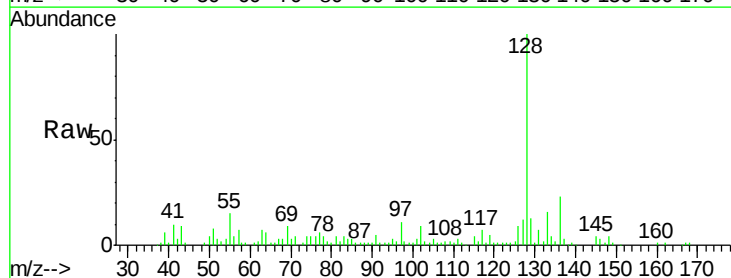
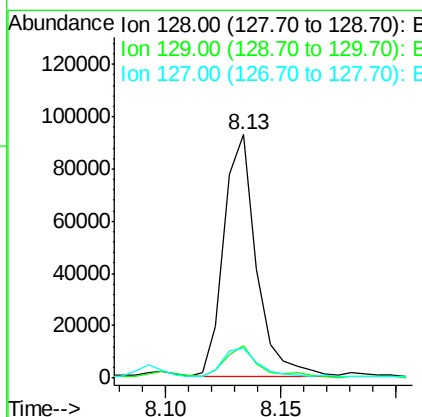
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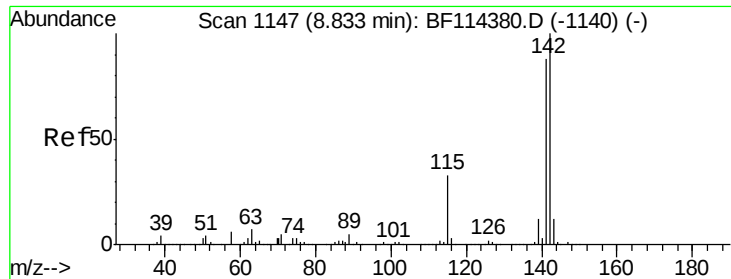
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#31
Naphthalene
Concen: 2.151 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Tgt Ion: 128 Resp: 90990
Ion Ratio Lower Upper
128 100
129 13.1 9.6 14.4
127 12.4 11.3 16.9





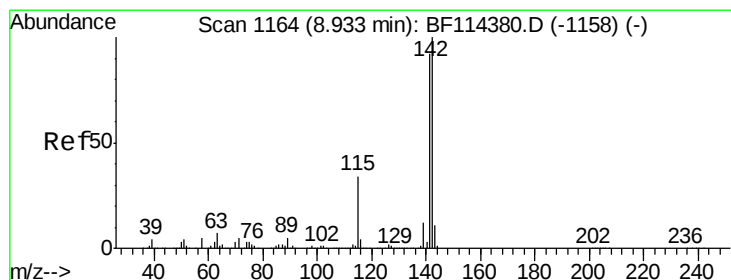
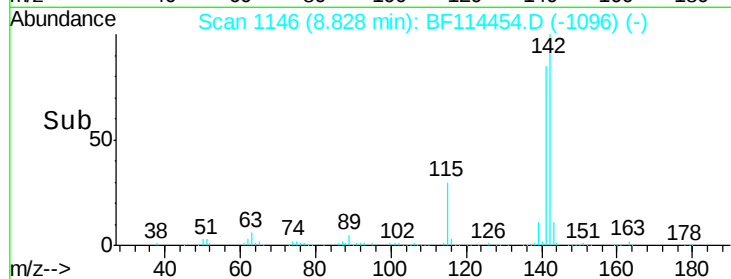
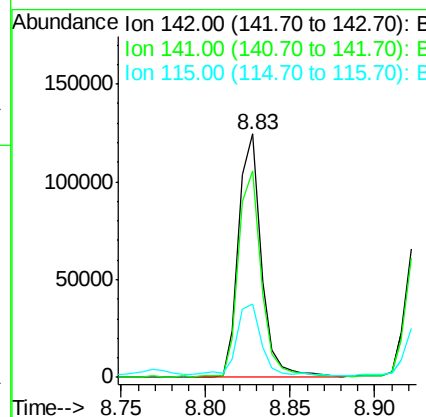
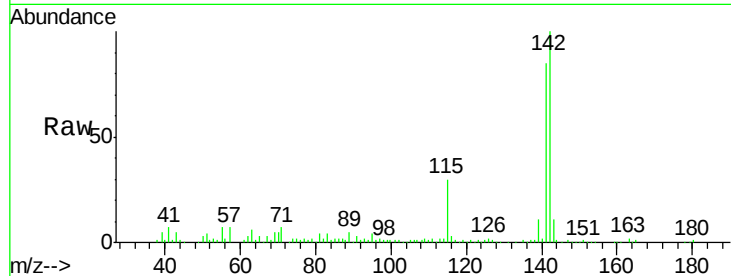
#37
 2-Methylnaphthalene
 Concen: 4.283 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF114454.D
 Acq: 21 May 2019 14:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	116893		
141	84.9	72.1	108.1	
115	30.2	28.0	42.0	

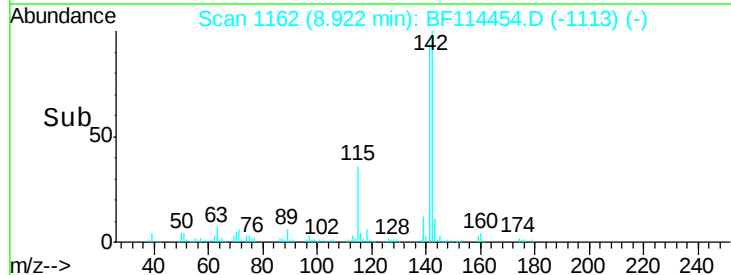
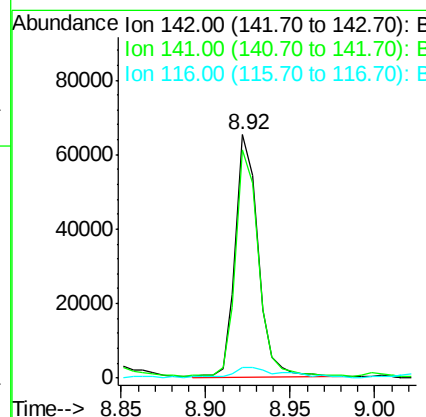
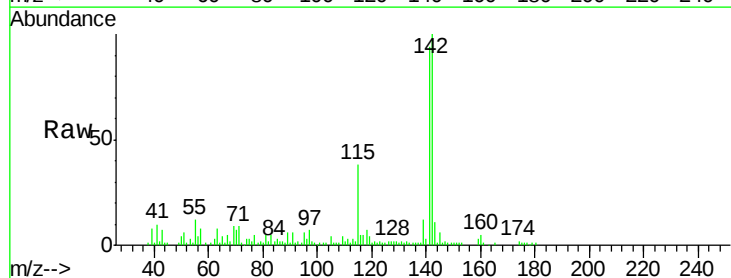
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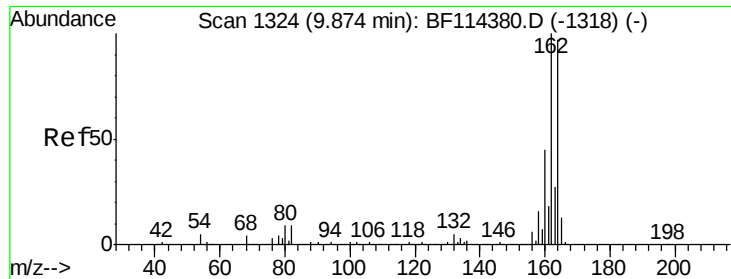
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#38
 1-Methylnaphthalene
 Concen: 2.401 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114454.D
 Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	61714		
141	93.9	73.4	110.0	
116	4.6	3.1	4.7	





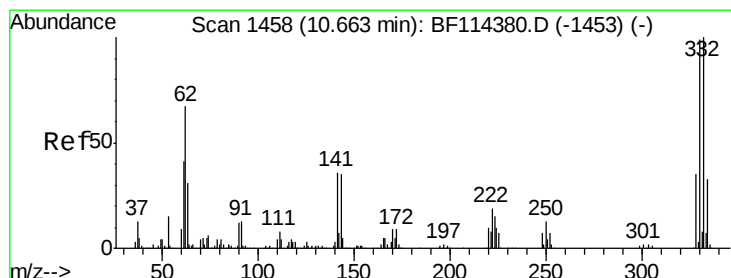
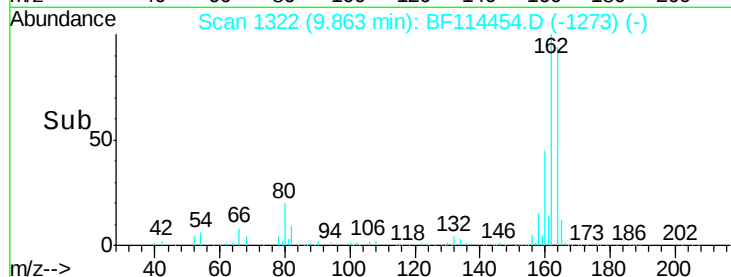
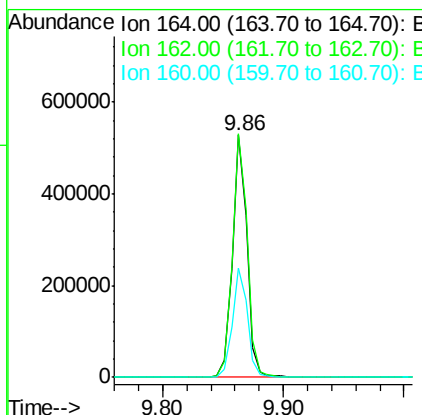
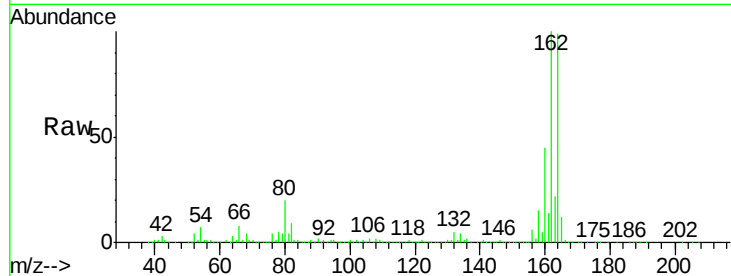
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF114454.D
 Acq: 21 May 2019 14:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	442451		
162	100.5	80.6	120.8	
160	45.2	36.5	54.7	

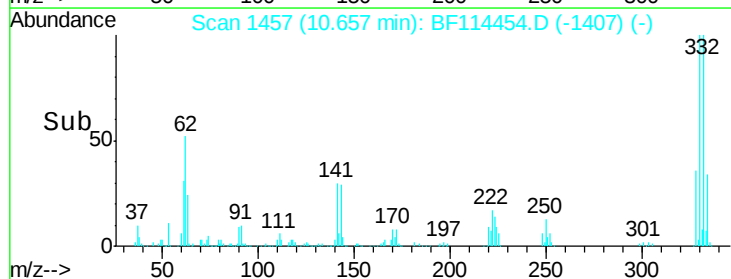
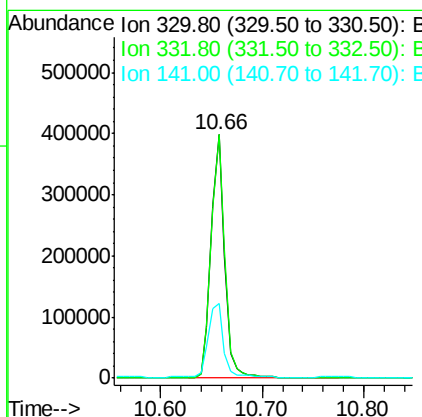
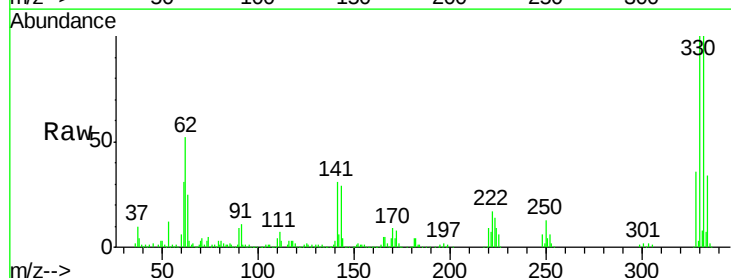
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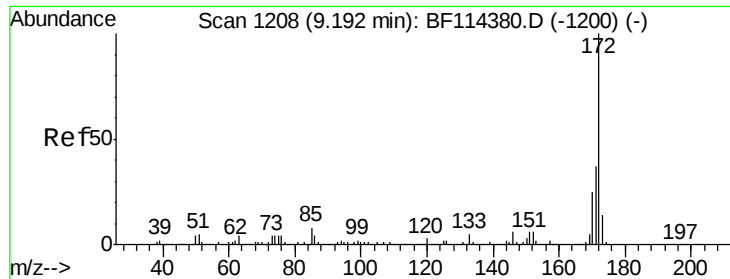
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#42
 2,4,6-Tribromophenol
 Concen: 82.022 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF114454.D
 Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	375185		
332	101.0	81.4	122.2	
141	34.8	26.6	40.0	





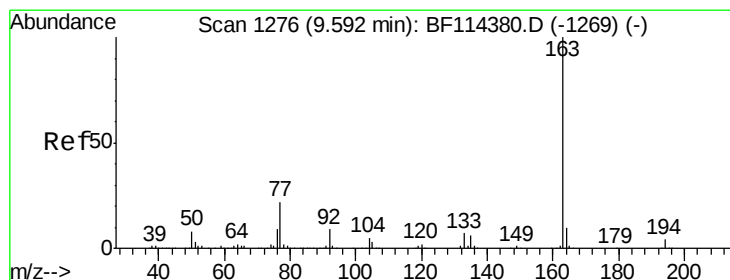
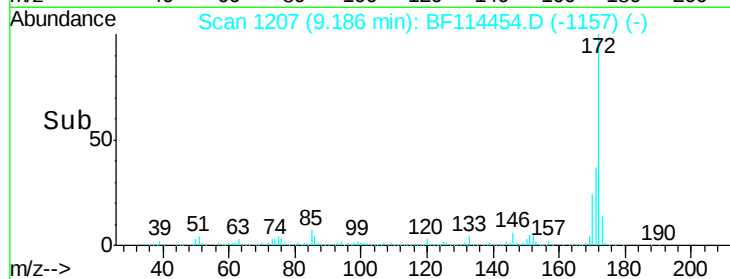
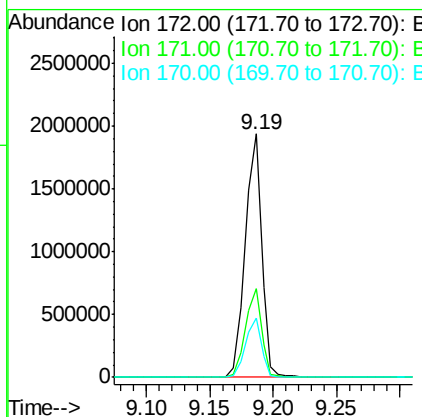
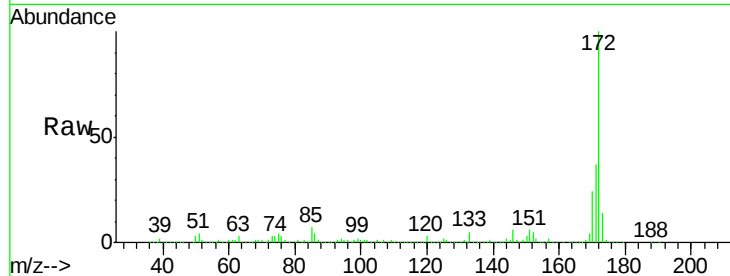
#45
 2-Fluorobiphenyl
 Concen: 59.639 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF114454.D
 Acq: 21 May 2019 14:32

Instrument :
 BNA_F
 ClientSampled :
 TP-21-S

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.7	46.1
170	24.4	20.5	30.7

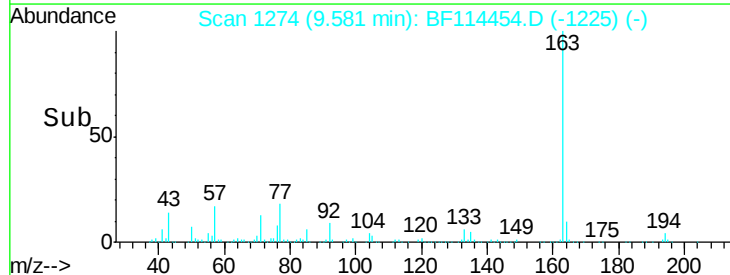
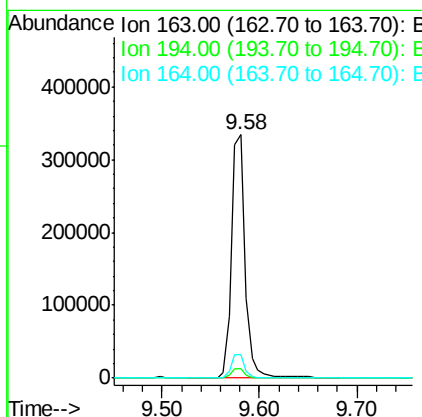
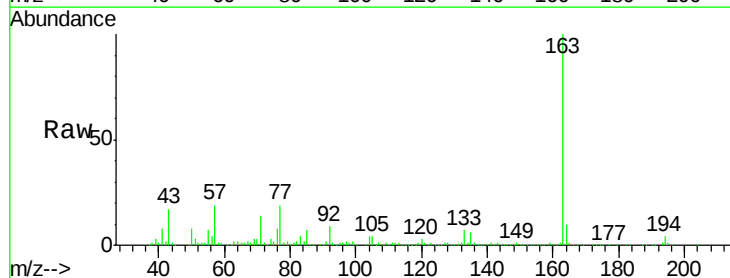
Manual Integrations
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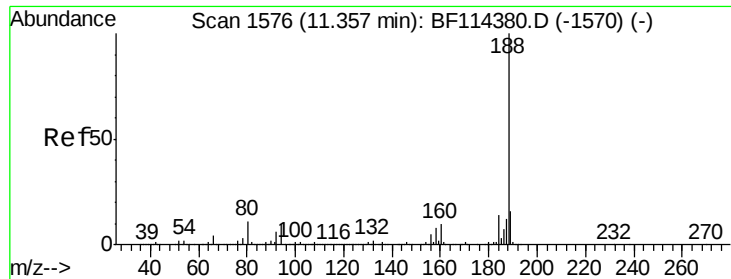
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#50
 Dimethylphthalate
 Concen: 9.970 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF114454.D
 Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.7	8.2	12.2





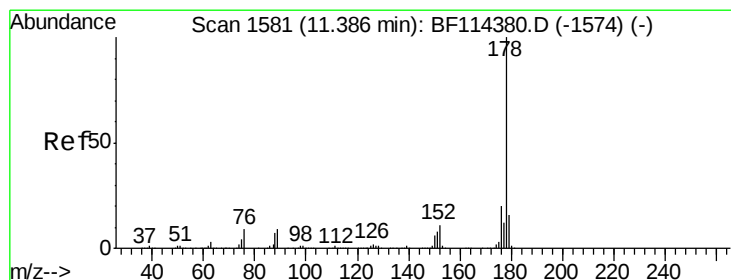
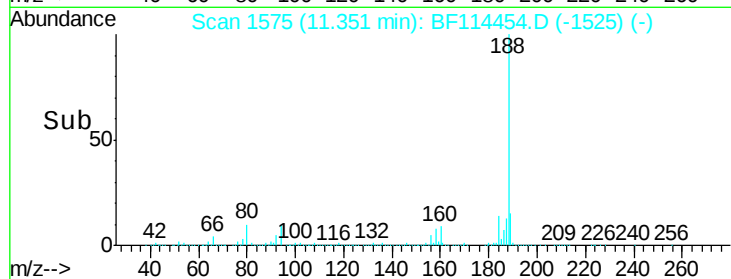
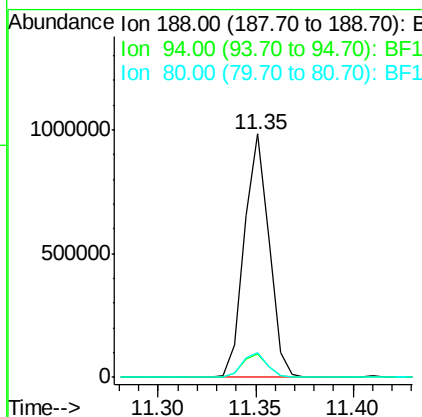
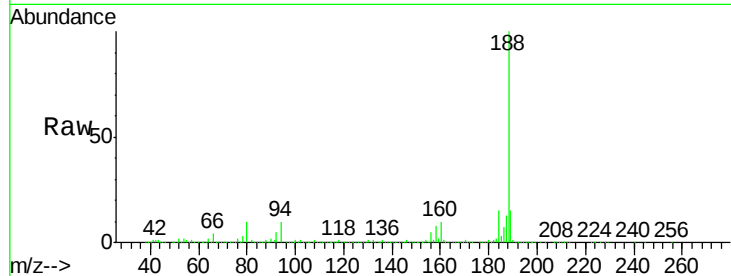
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Instrument :
BNA_F
ClientSampled :
TP-21-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	8.4	12.6
80	10.2	9.2	13.8

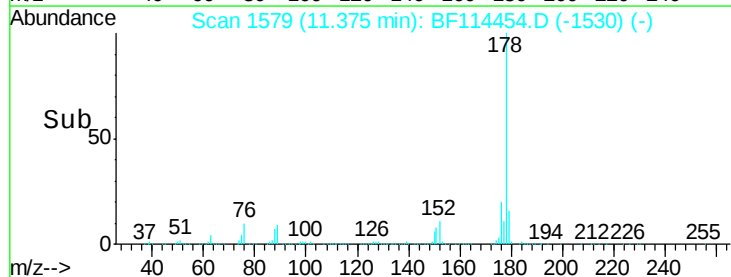
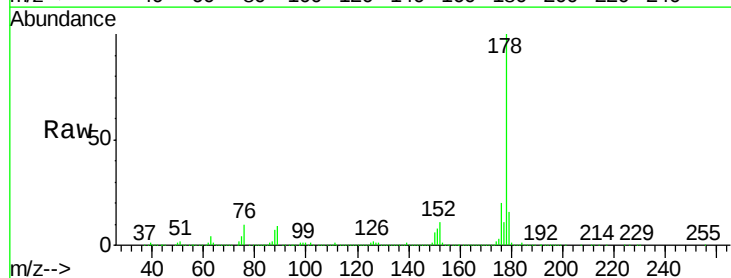
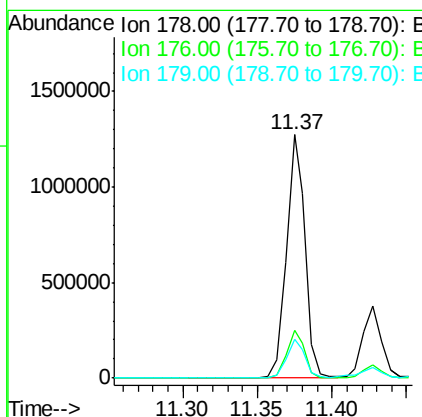
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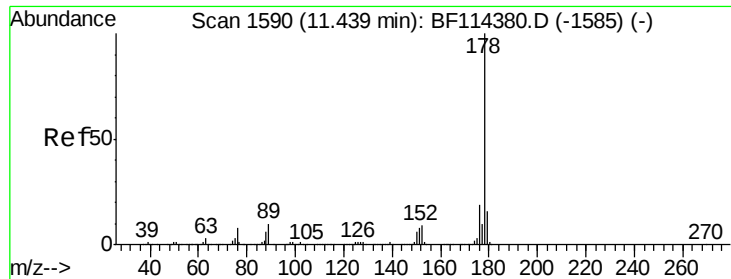
Sohil
5/23/2019 8:15:40 AM



#71
Phenanthrene
Concen: 26.484 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.4	24.6
179	15.9	13.2	19.8





#72

Anthracene

Concen: 7.312 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Instrument :

BNA_F

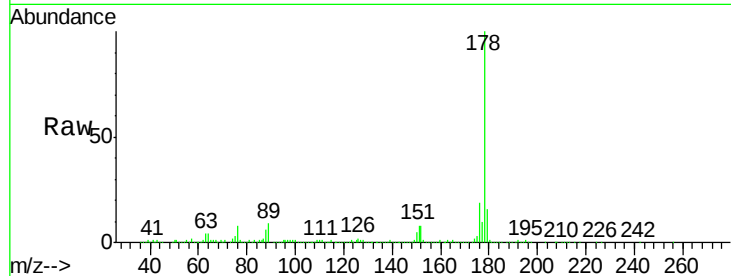
ClientSampleId :

TP-21-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.6	13.0	19.4

Manual Integrations
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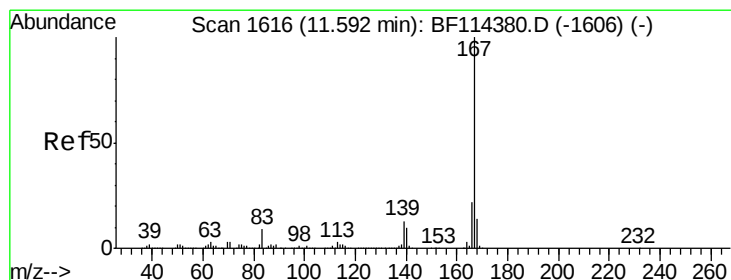
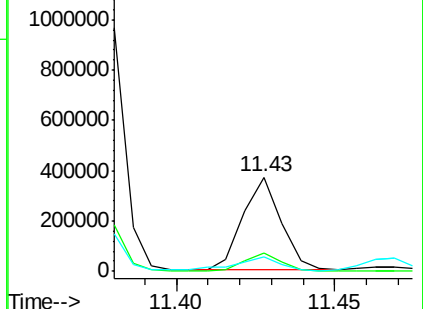
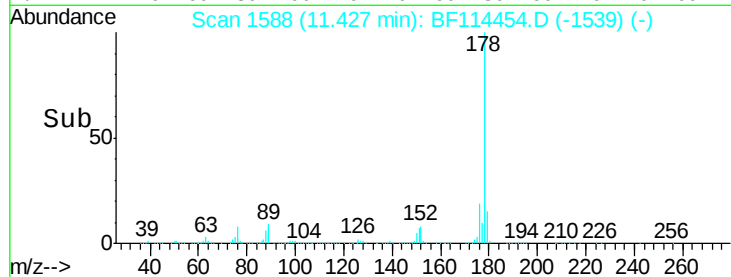
Sohil
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 4.477 ng

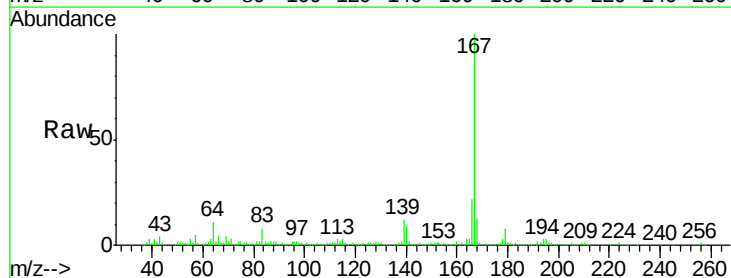
RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

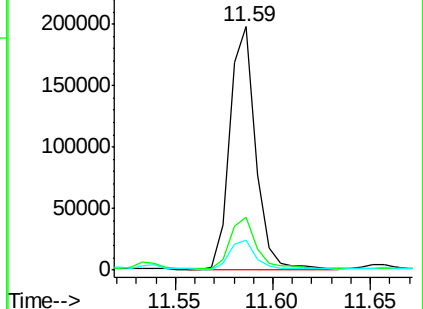
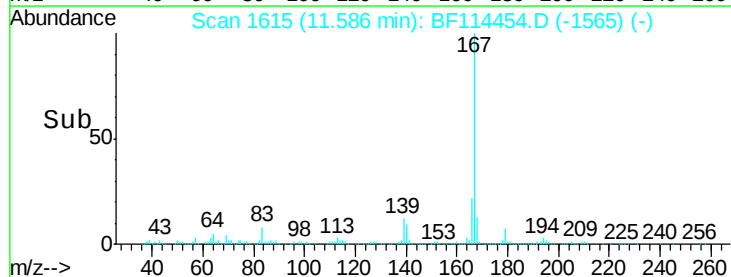
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.2	27.2
139	12.5	10.6	16.0

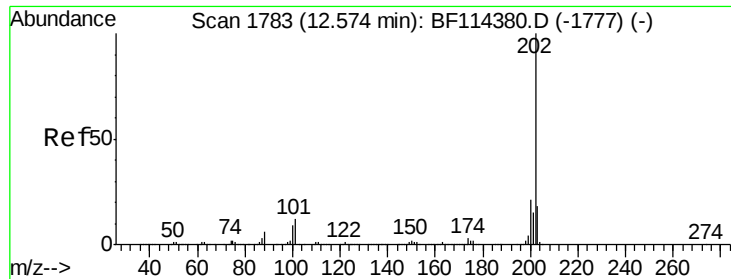


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 48.096 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Instrument :

BNA_F

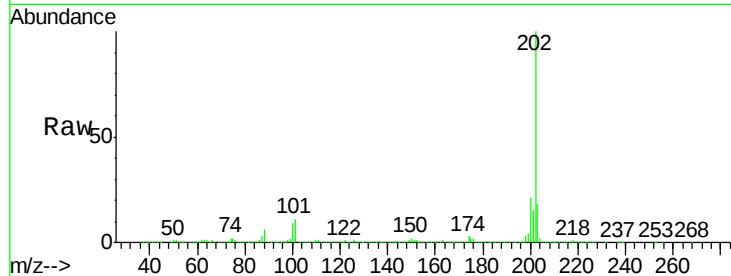
ClientSampled :

TP-21-S

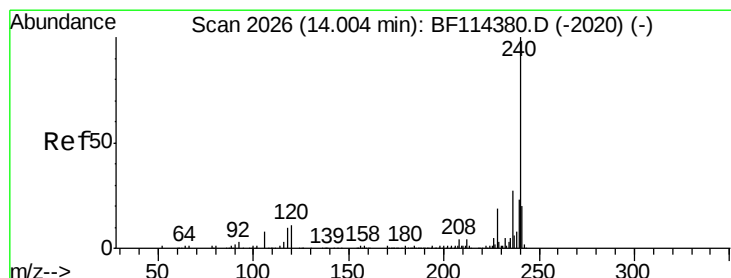
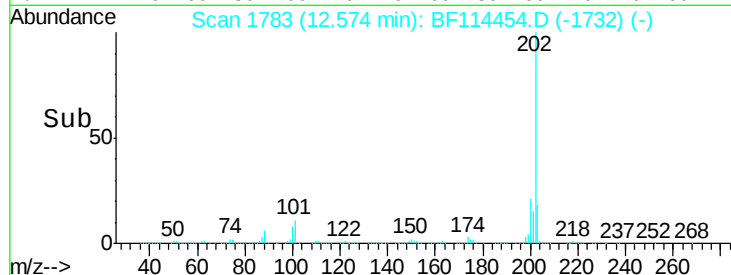
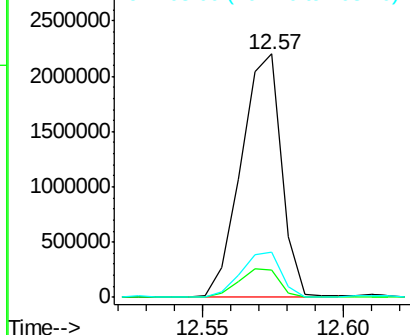
Tgt Ion:	202	Resp:	2183706
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.0
203	18.3	0.0	38.4

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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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

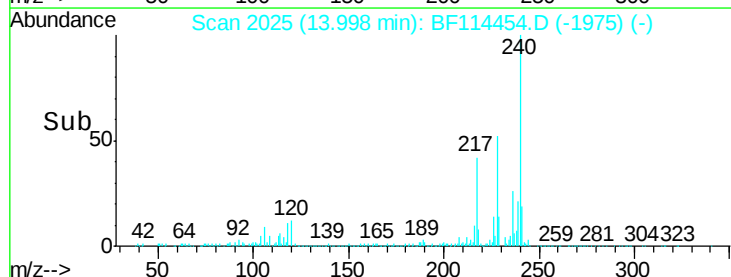
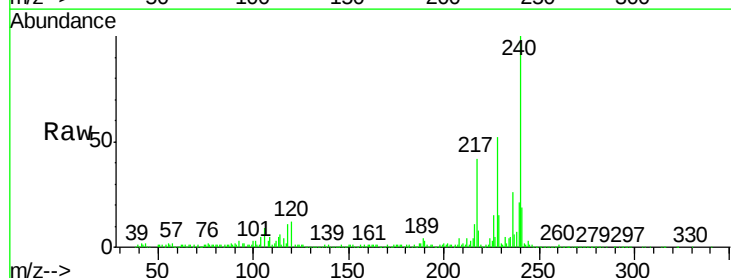
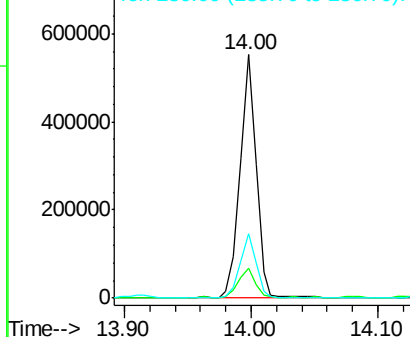
Delta R.T. -0.01 min

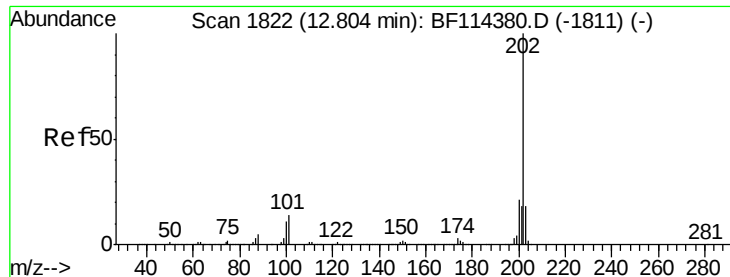
Lab File: BF114454.D

Acq: 21 May 2019 14:32

Tgt Ion:	240	Resp:	480407
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	26.5	20.8	31.2

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





#78

Pyrene

Concen: 51.613 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Instrument :

BNA_F

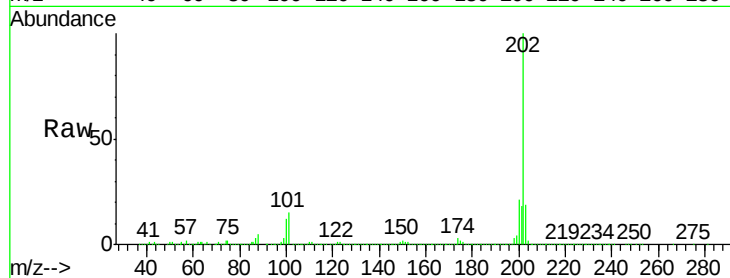
ClientSampled :

TP-21-S

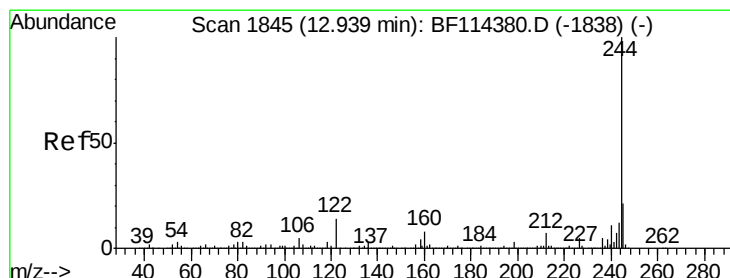
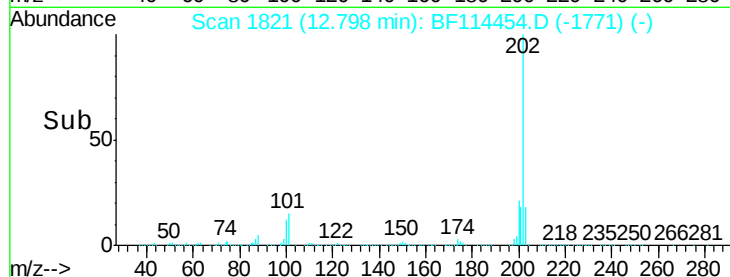
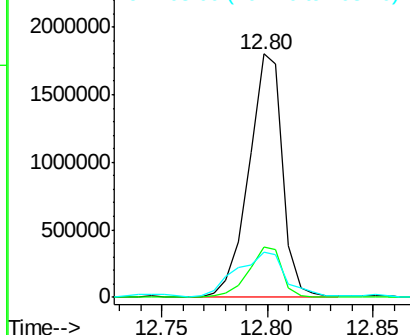
Tgt Ion:	202	Resp:	1994673
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	18.7	14.5	21.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 68.325 ng

RT: 12.93 min Scan# 1844

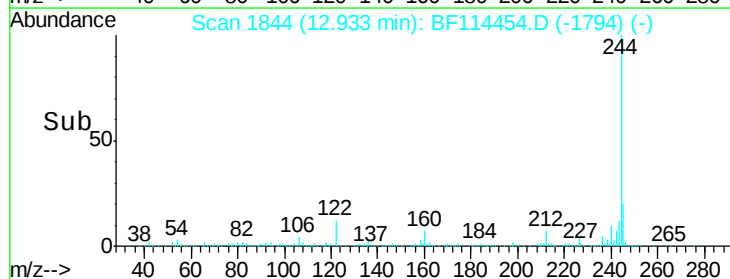
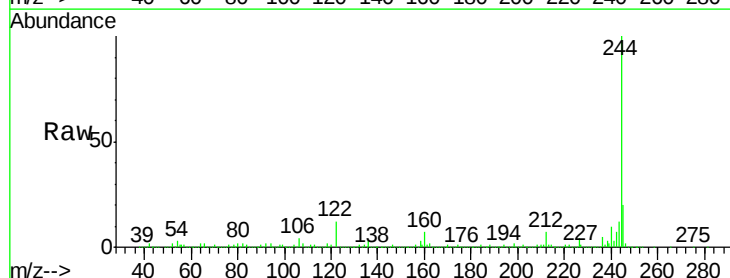
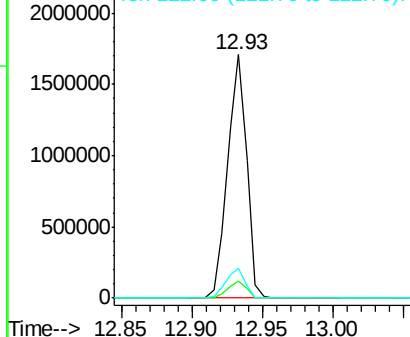
Delta R.T. -0.01 min

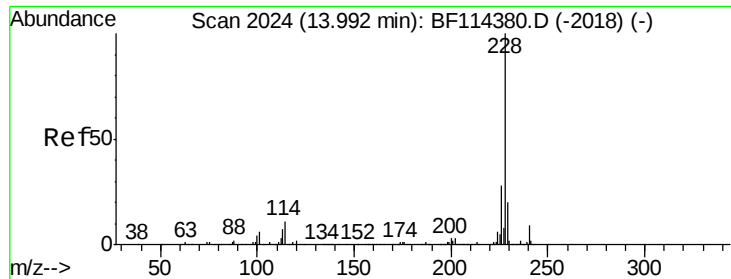
Lab File: BF114454.D

Acq: 21 May 2019 14:32

Tgt Ion:	244	Resp:	1592277
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	12.4	9.4	14.2

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





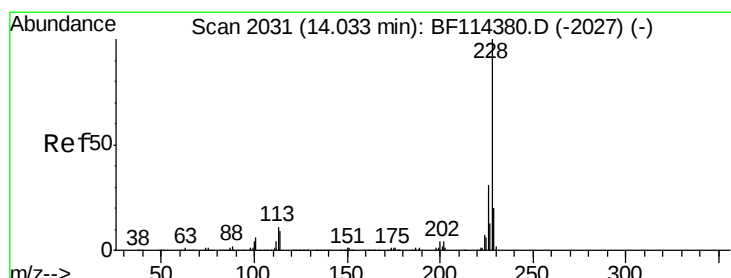
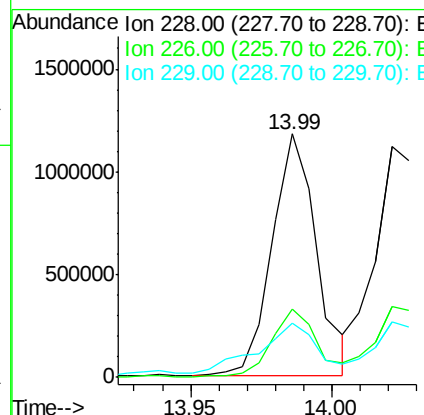
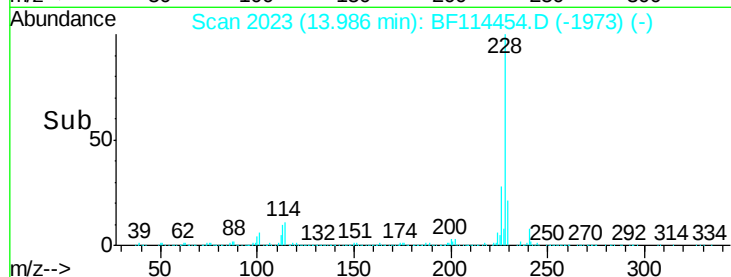
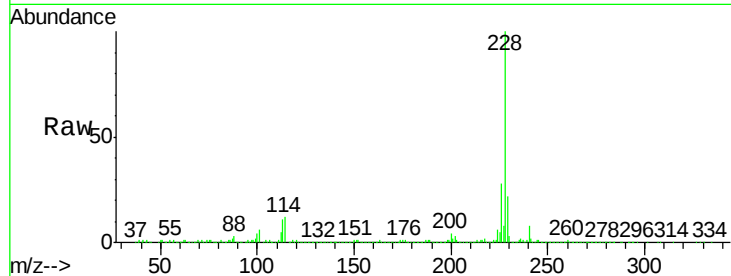
#81
Benzo(a)anthracene
Concen: 41.358 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Instrument :
BNA_F
ClientSampleId :
TP-21-S

Tgt Ion: 228 Resp: 1285083
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.2
229 22.1 16.4 24.6

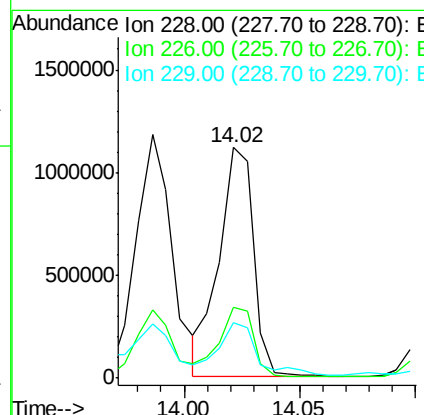
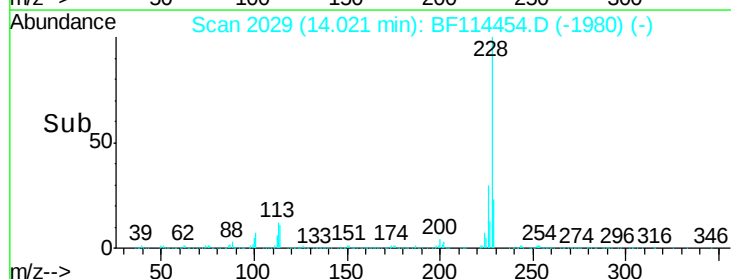
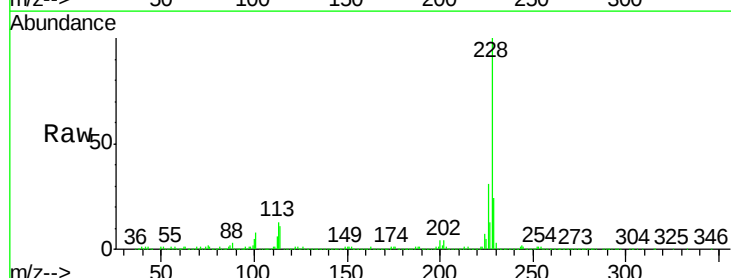
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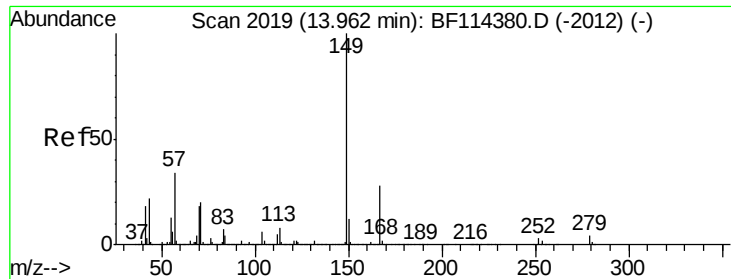
Sohil
5/23/2019 8:15:40 AM



#83
Chrysene
Concen: 38.056 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Tgt Ion: 228 Resp: 1159190
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 23.9 17.0 25.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.092 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Instrument :

BNA_F

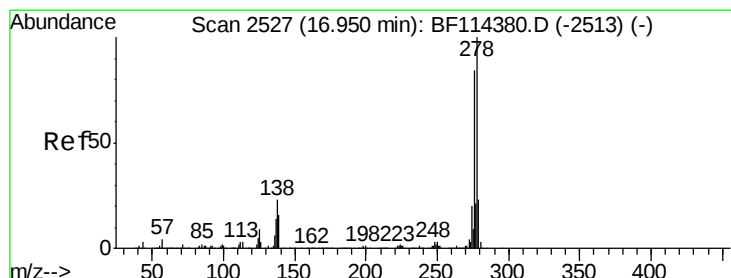
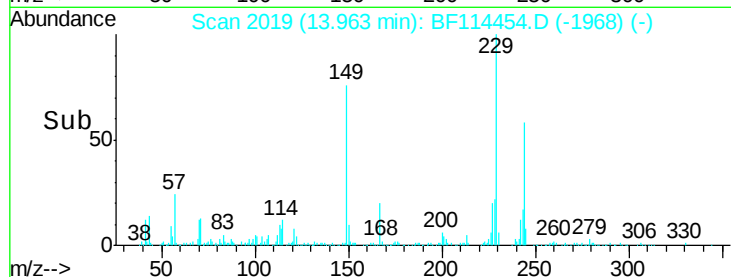
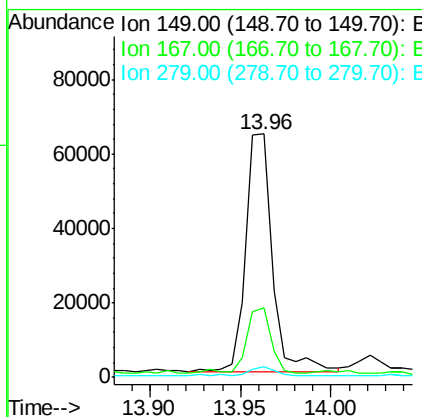
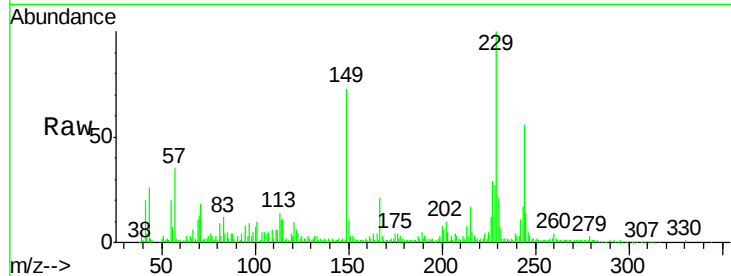
ClientSampleId :

TP-21-S

Tgt Ion:	149	Resp:	65783
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.6	33.8
279	4.3	3.0	4.6

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Sohil
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#86

Indeno(1,2,3-cd)pyrene

Concen: 19.828 ng

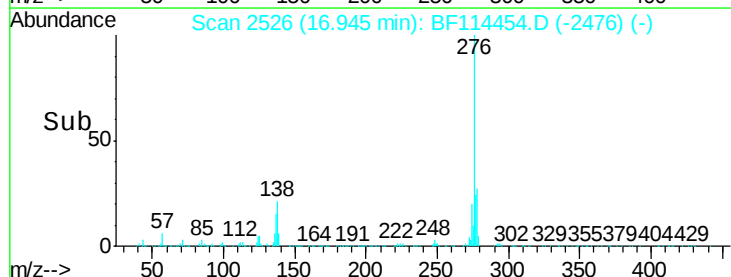
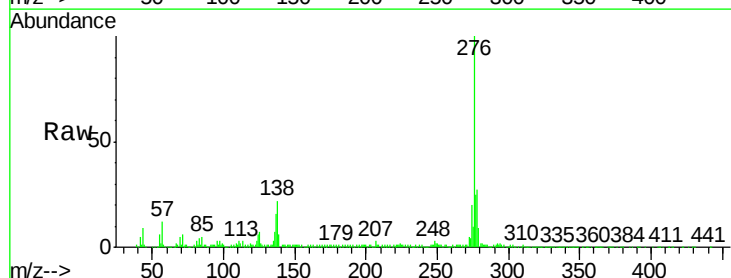
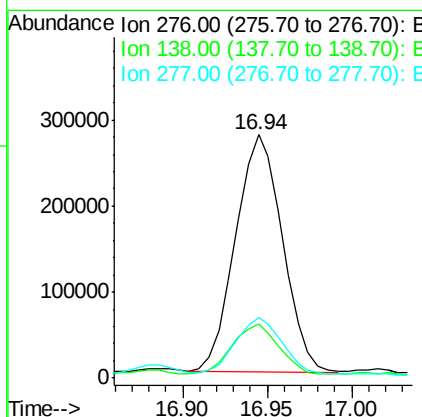
RT: 16.94 min Scan# 2526

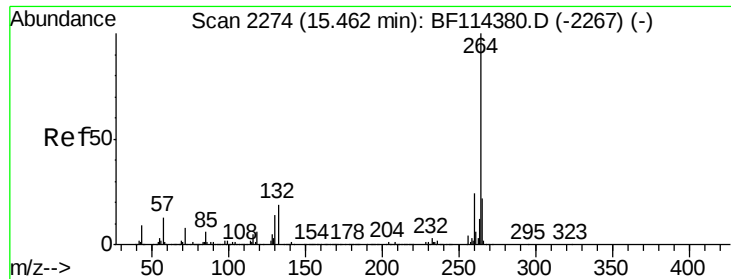
Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Tgt Ion:	276	Resp:	533765
Ion Ratio	Lower	Upper	
276	100		
138	21.8	20.2	30.2
277	23.5	20.0	30.0





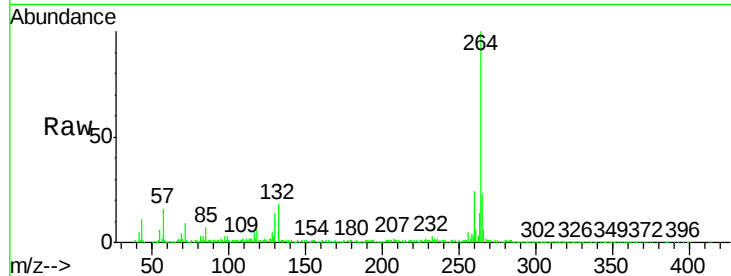
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Instrument :
BNA_F
ClientSampleId :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	23.5	16.9	25.3

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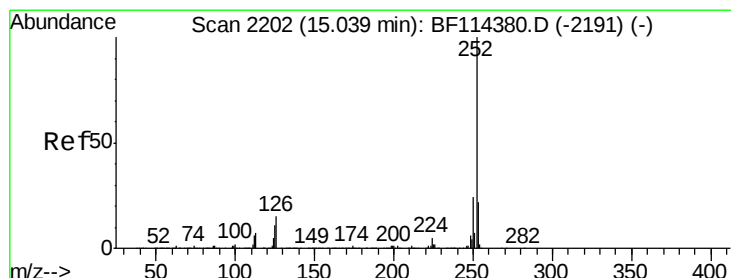
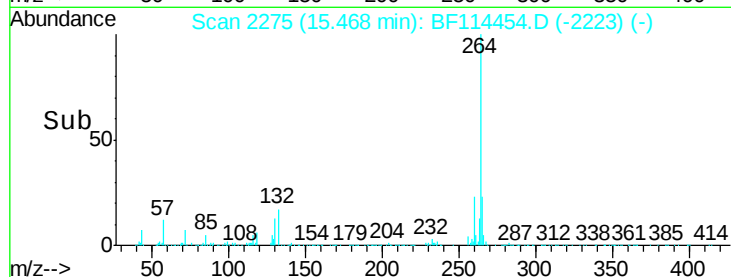
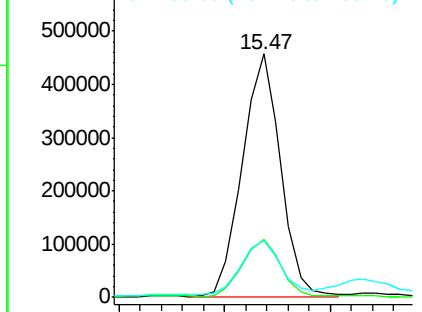


Abundance

Ion 264.00 (263.70 to 264.70): E

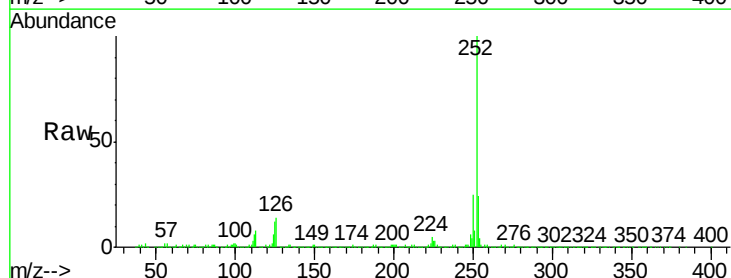
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 38.295 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	11.8	8.3	12.5

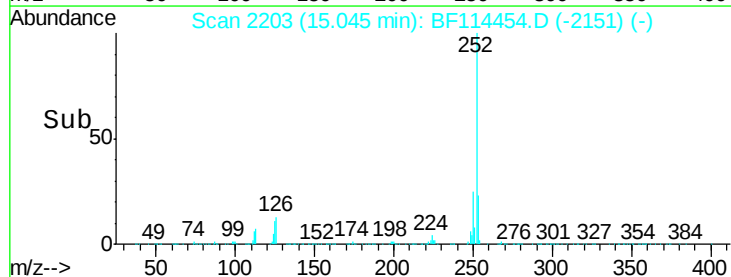
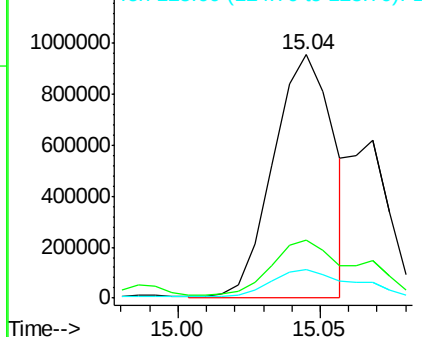


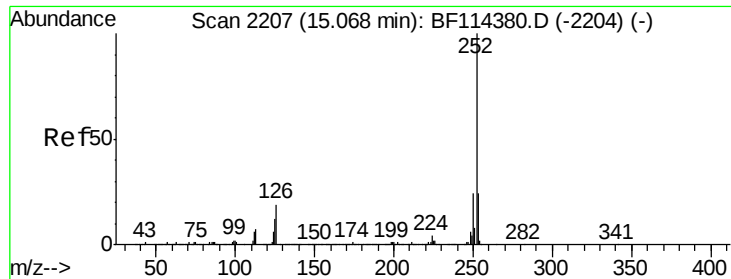
Abundance

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





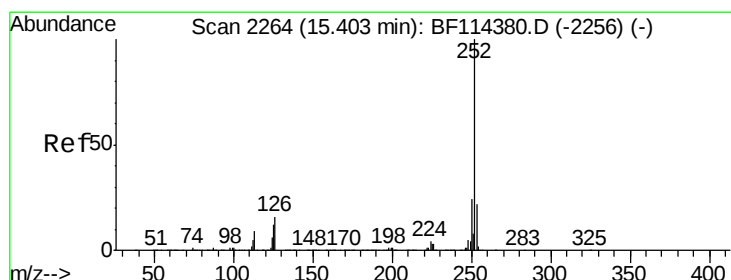
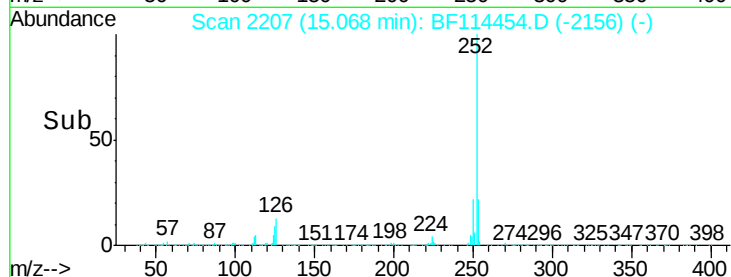
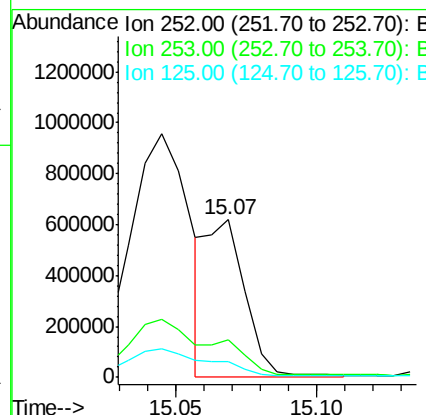
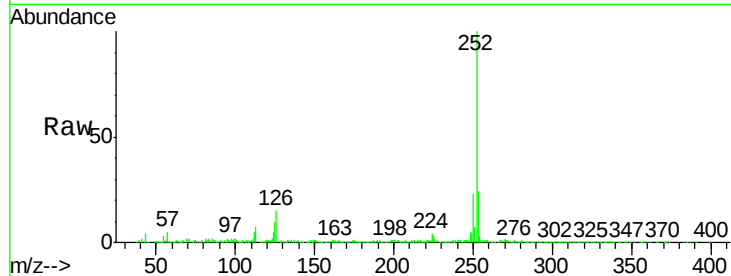
#89
Benzo(k)fluoranthene
Concen: 17.606 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Instrument :
BNA_F
ClientSampled :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	10.2	8.6	13.0

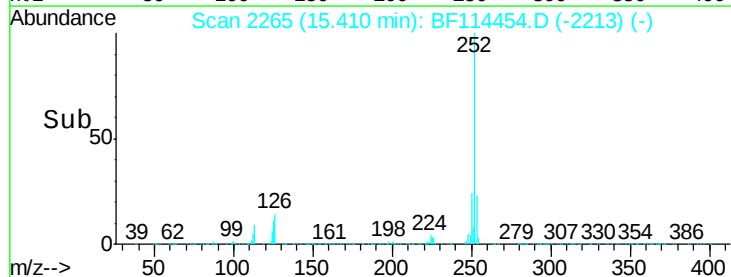
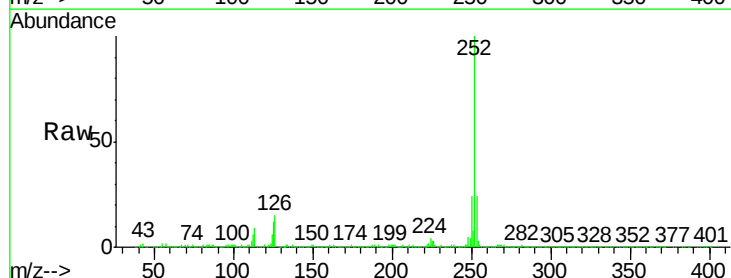
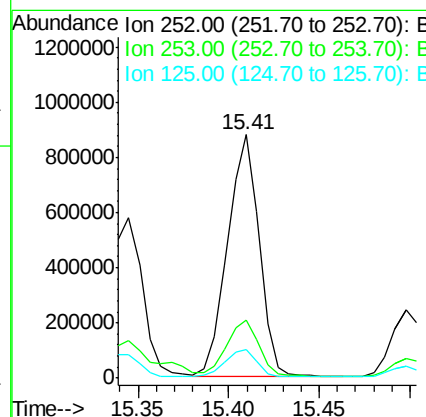
Manual Integrations
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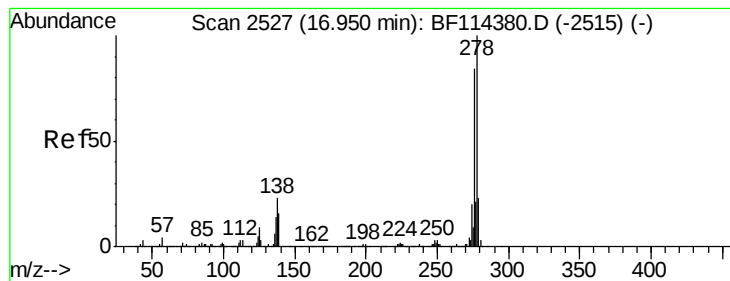
Sohil
5/23/2019 8:15:40 AM



#90
Benzo(a)pyrene
Concen: 33.202 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF114454.D
Acq: 21 May 2019 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	11.6	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 5.879 ng m

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Instrument :

BNA_F

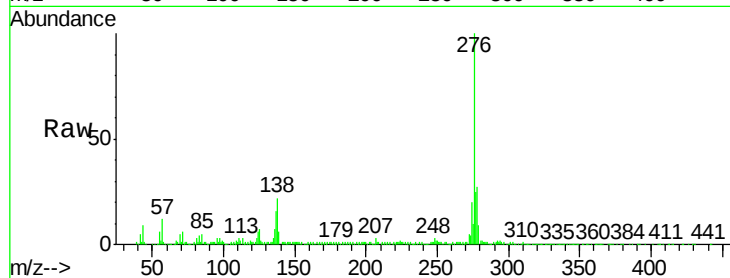
ClientSampleId :

TP-21-S

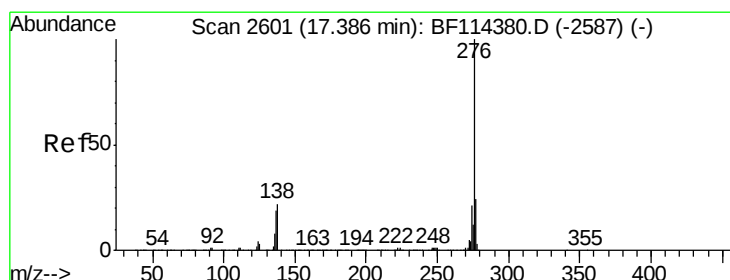
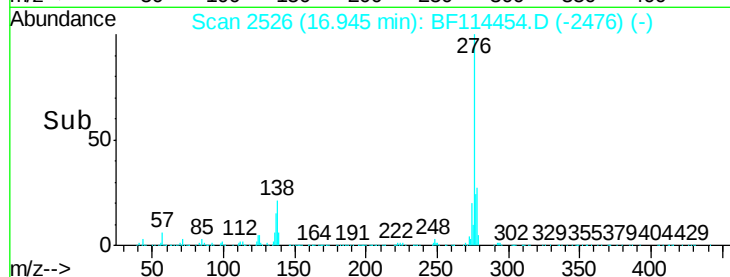
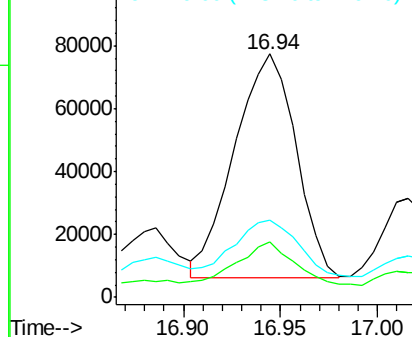
Tgt Ion:	278	Resp:	156945
Ion Ratio	Lower	Upper	
278	100		
139	22.8	13.5	20.3#
279	31.7	19.0	28.6#

Manual Integrations
APPROVED

Sohil
5/23/2019 8:15:40 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 18.223 ng

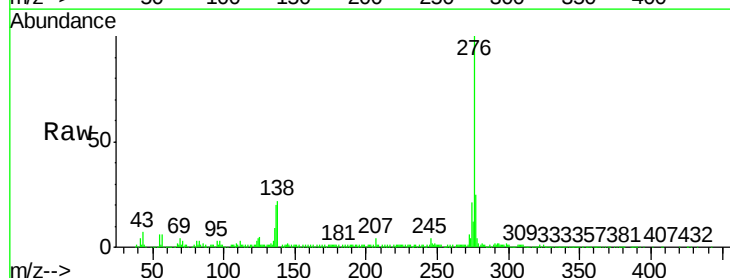
RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BF114454.D

Acq: 21 May 2019 14:32

Tgt Ion:	276	Resp:	487530
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	21.9	17.8	26.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

