

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052319\
 Data File : BF114551.D
 Acq On : 24 May 2019 3:45
 Operator : JU/SJ
 Sample : K3008-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-20

Manual Integrations
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Quant Time: Jun 10 04:19:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	166699	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	646460	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	317286	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	615975	20.00	ng	0.00
76) Chrysene-d12	13.98	240	394117	20.00	ng	0.00
87) Perylene-d12	15.45	264	375304	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	681727	65.81	ng	0.00
7) Phenol-d6	6.46	99	981922	80.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	597334	51.86	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	189103	57.65	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1068259	50.93	ng	0.00
79) Terphenyl-d14	12.92	244	976997	51.10	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.56	163	143873	6.177	ng	98
52) Acenaphthene	9.88	154	48418	2.515	ng	99
58) Fluorene	10.40	166	72057	3.304	ng	96
71) Phenanthrene	11.36	178	654657	21.845	ng	98
72) Anthracene	11.41	178	204718	6.801	ng	96
75) Fluoranthene	12.55	202	1088517	33.730	ng	99
78) Pyrene	12.78	202	1021880	32.231	ng	99
81) Benzo(a)anthracene	13.97	228	542485	21.281	ng	96
83) Chrysene	14.01	228	473200	18.937	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	209790	9.499	ng	96
88) Benzo(b)fluoranthene	15.03	252	590604m	24.563	ng	
89) Benzo(k)fluoranthene	15.04	252	216819m	9.817	ng	
90) Benzo(a)pyrene	15.39	252	446021	21.078	ng	96
91) Dibenzo(a,h)anthracene	16.92	278	52360	2.978	ng	# 85
92) Benzo(a,h,i)perylene	17.37	276	190417	10.806	ng	97

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

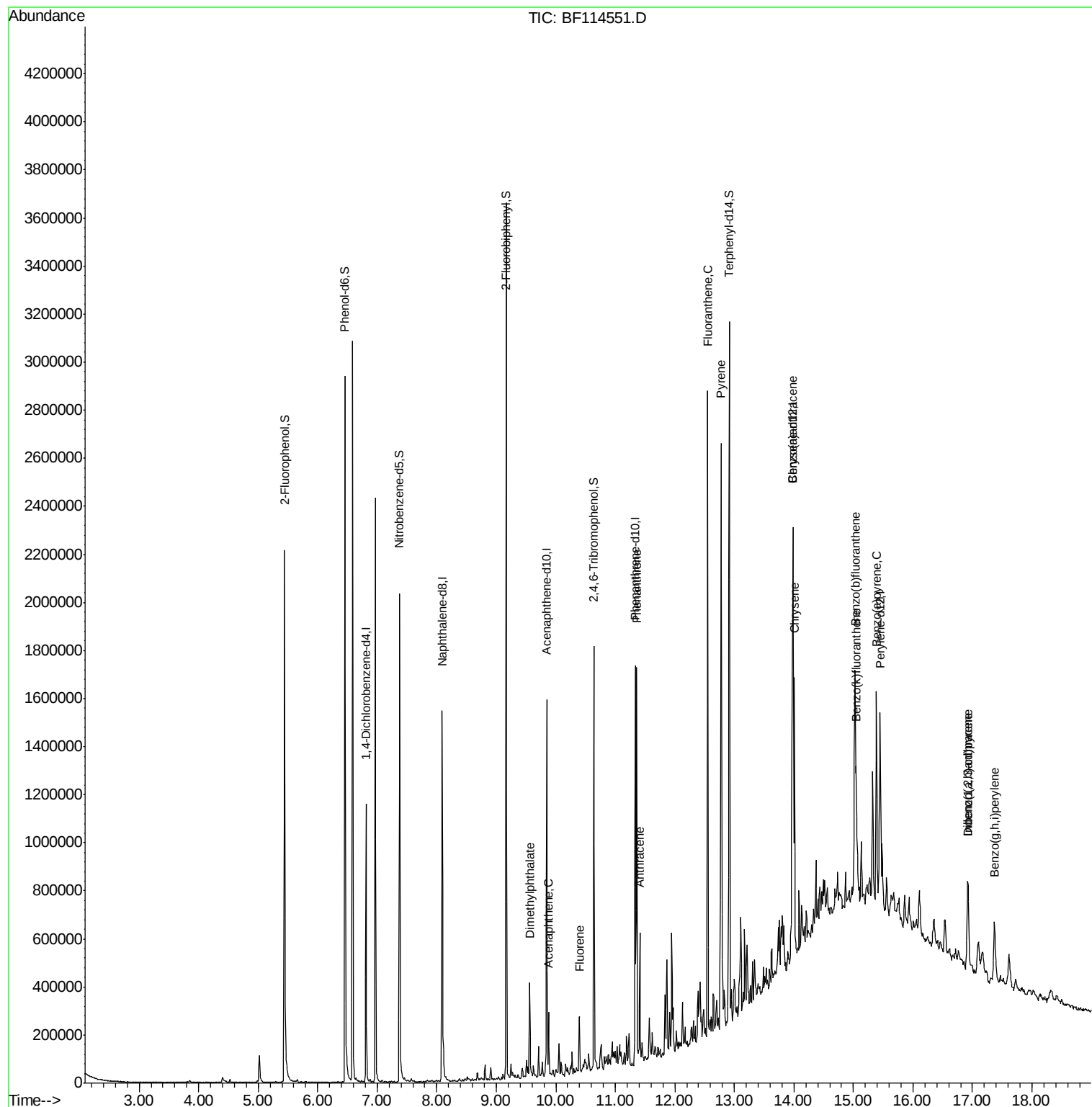
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052319\
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ALS Vial : 20 Sample Multiplier: 1

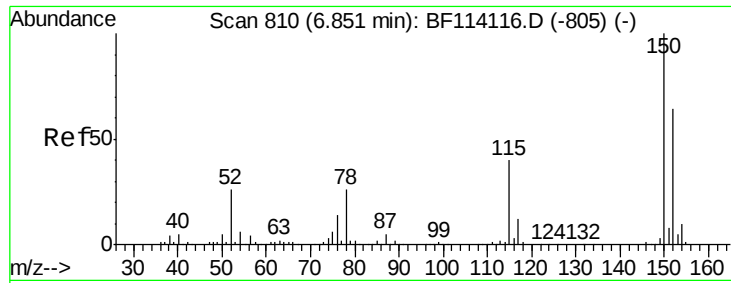
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

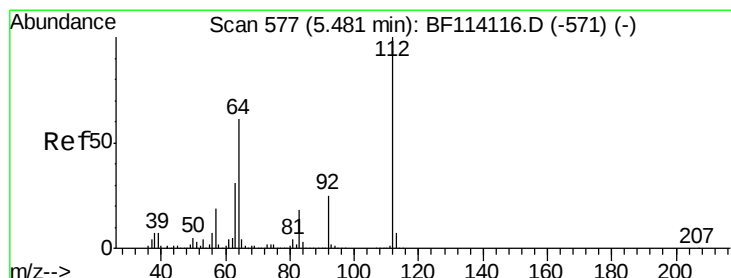
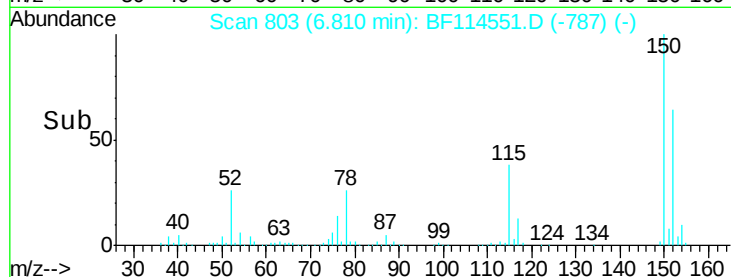
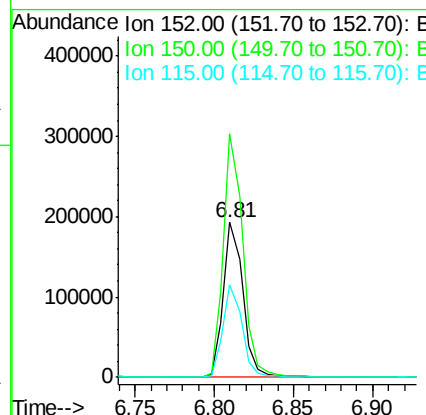
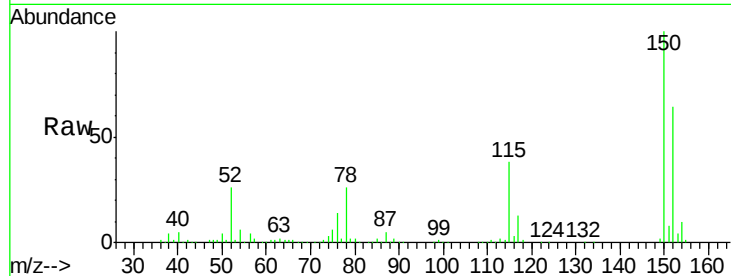
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.3	186.5
115	60.0	49.1	73.7

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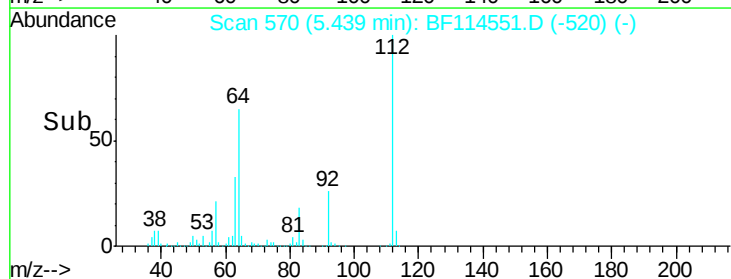
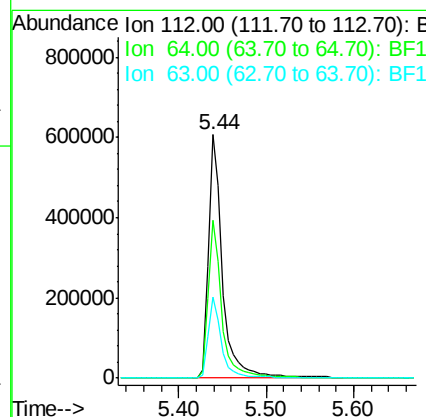
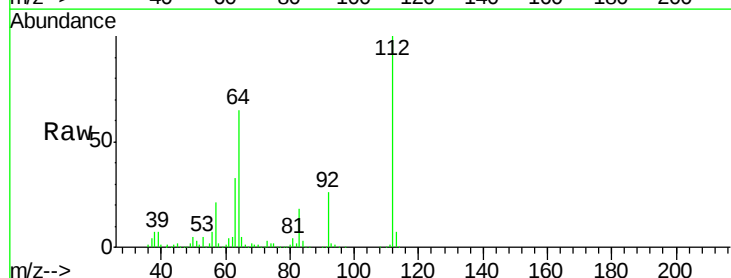
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#5

2-Fluorophenol
Concen: 65.812 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	49.0	73.6
63	33.3	24.6	37.0





#7

Phenol-d6

Concen: 80.146 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114551.D

Acq: 24 May 2019 3:45

Instrument :

BNA_F

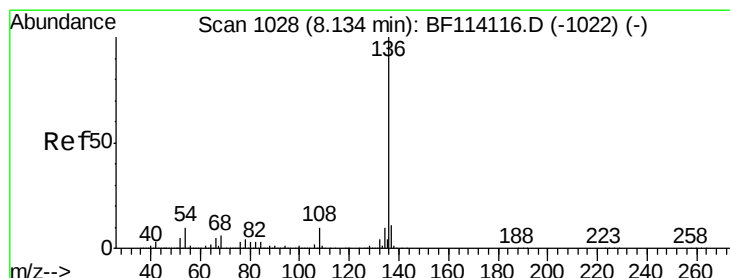
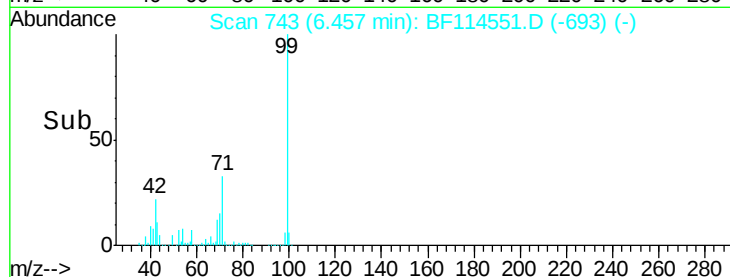
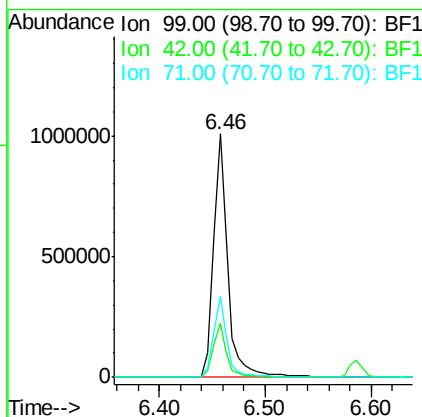
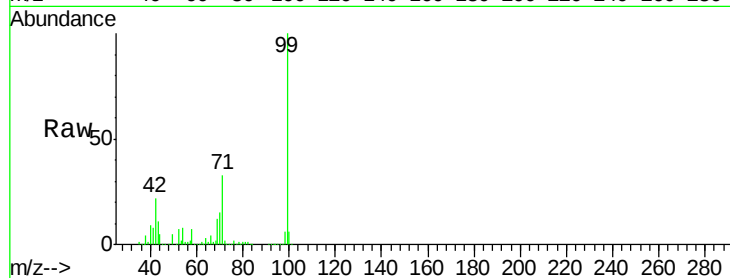
ClientSampleId :

COMP-20

Tot Ion:	99	Resp:	981922
Ion Ratio	Lower	Upper	
99	100		
42	22.1	17.9	26.9
71	33.4	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

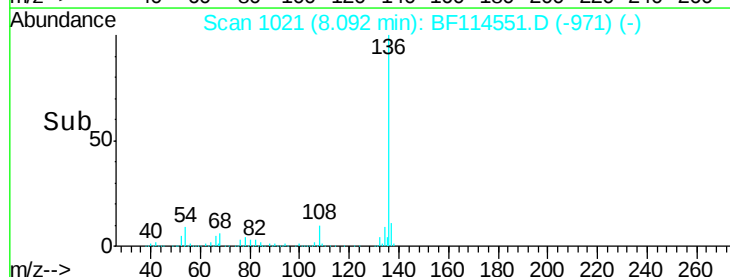
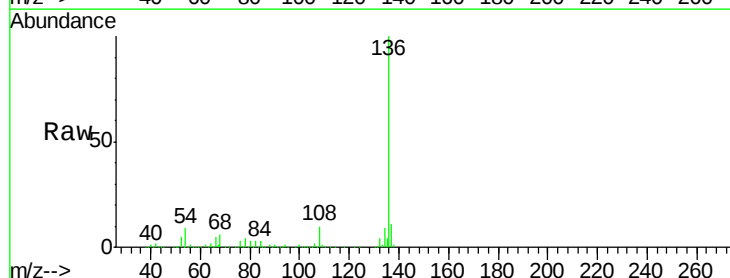
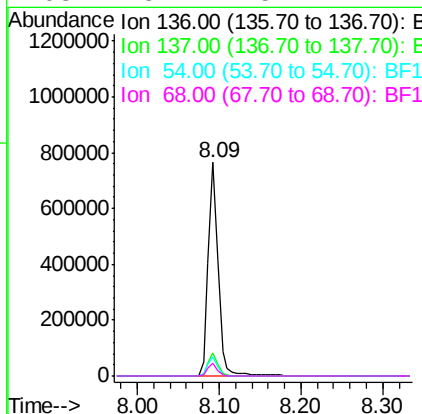
RT: 8.09 min Scan# 1021

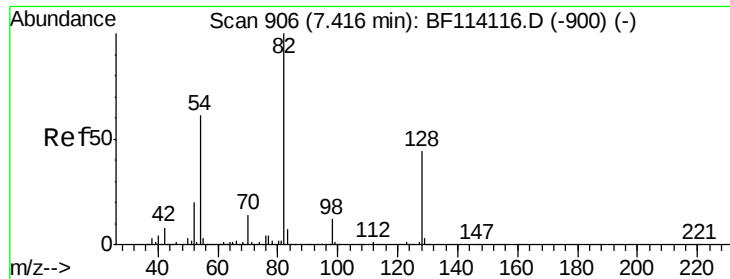
Delta R.T. -0.01 min

Lab File: BF114551.D

Acq: 24 May 2019 3:45

Tgt Ion:	136	Resp:	646460
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	9.3	7.8	11.8
68	5.7	5.1	7.7





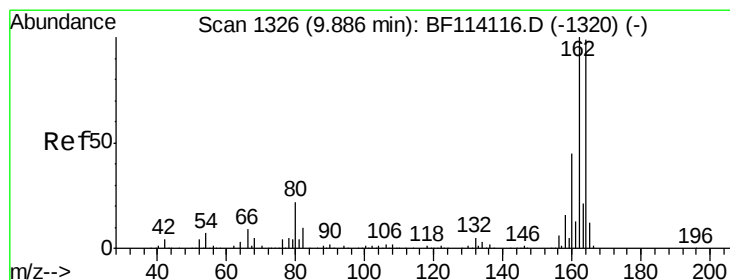
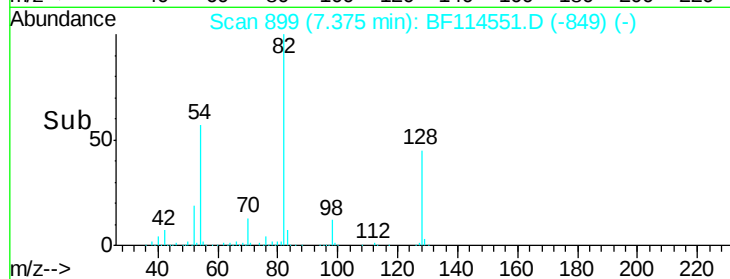
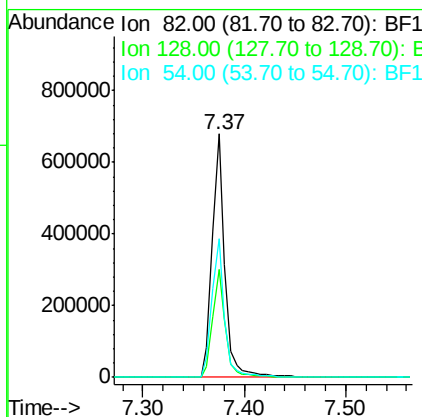
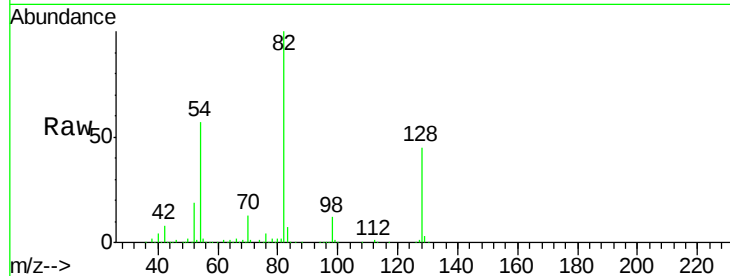
#23
 Nitrobenzene-d5
 Concen: 51.855 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF114551.D
 Acq: 24 May 2019 3:45

Instrument :
 BNA_F
 ClientSampled :
 COMP-20

Tot Ion	82	Resp	597334
Ion Ratio	100	Lower	Upper
82	100		
128	44.5	35.5	53.3
54	56.8	48.5	72.7

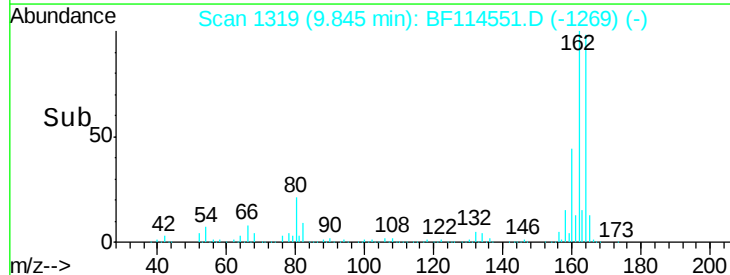
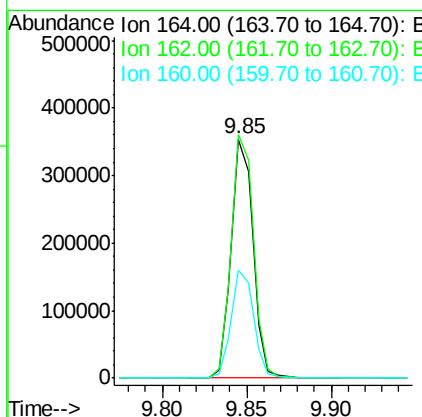
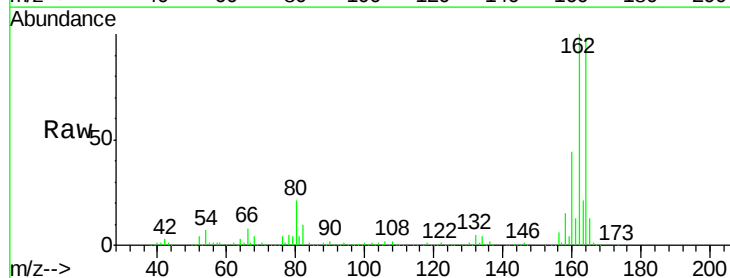
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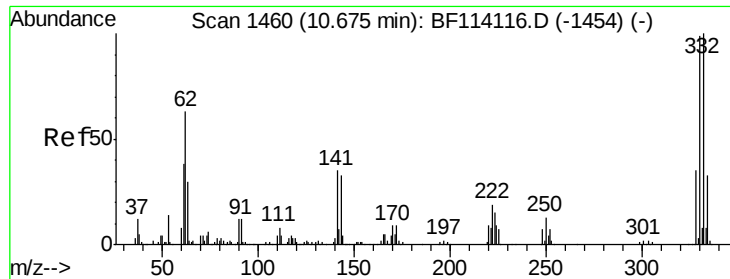
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF114551.D
 Acq: 24 May 2019 3:45

Tgt Ion	164	Resp	317286
Ion Ratio	100	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.3	36.5	54.7





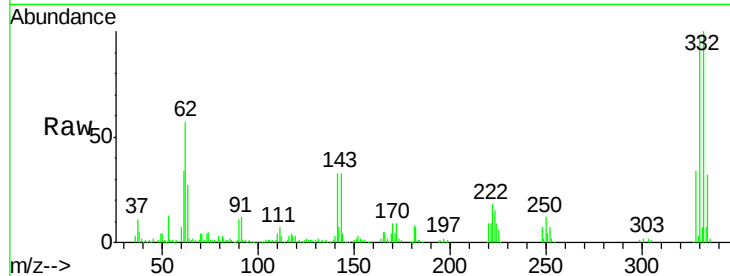
#42
 2,4,6-Tribromophenol
 Concen: 57.650 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF114551.D
 Acq: 24 May 2019 3:45

Instrument :
 BNA_F
 ClientSampled :
 COMP-20

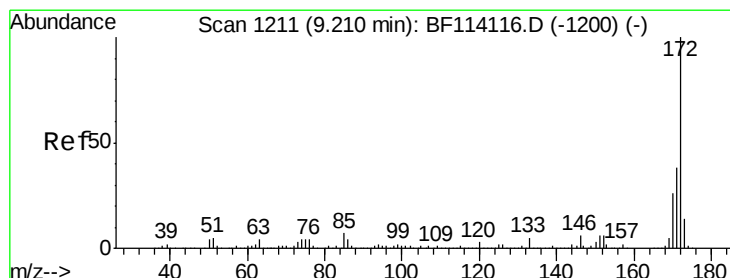
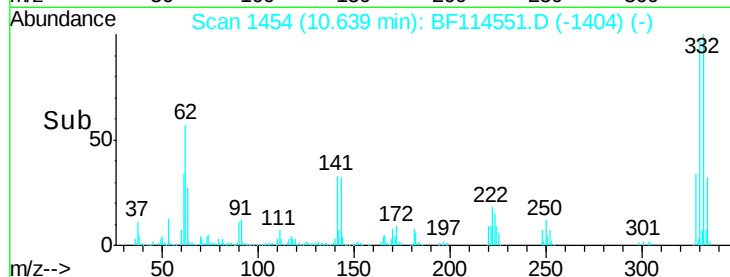
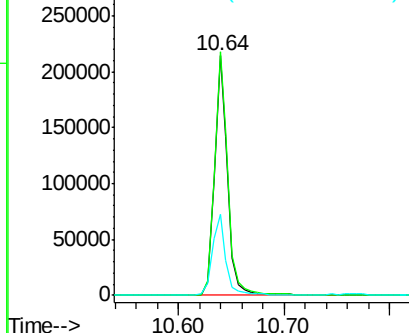
Tot Ion	Ratio	Resp	Lower	Upper
330	100	189103		
332	103.2	81.4	122.2	
141	34.1	26.6	40.0	

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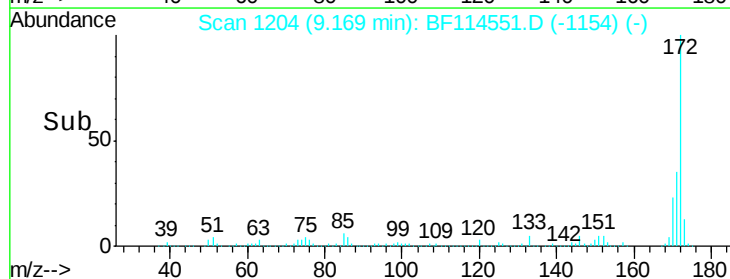
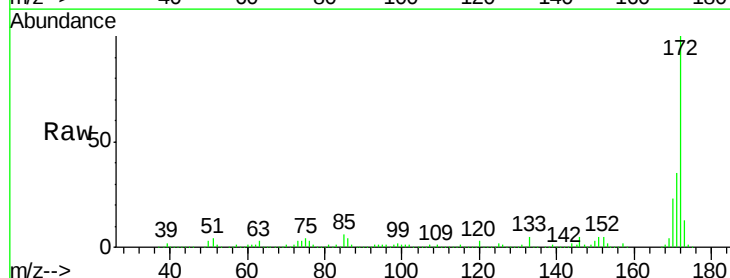
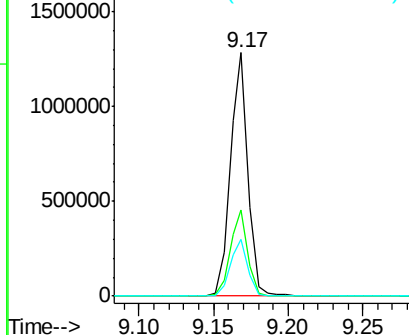
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

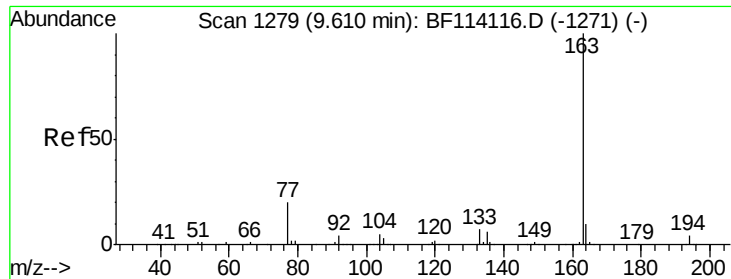


#45
 2-Fluorobiphenyl
 Concen: 50.929 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114551.D
 Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1068259		
171	35.4	30.7	46.1	
170	23.3	20.5	30.7	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





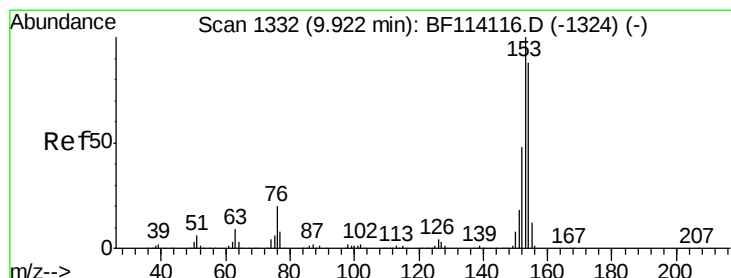
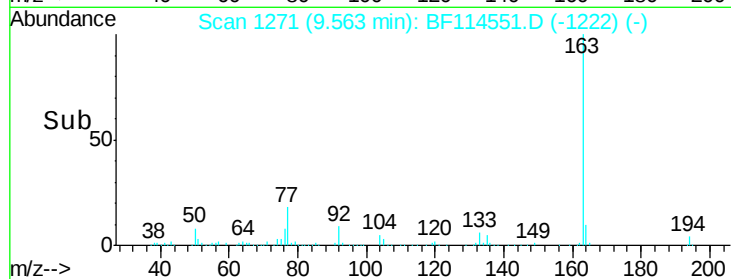
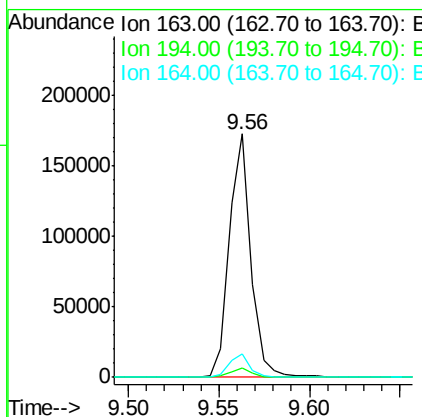
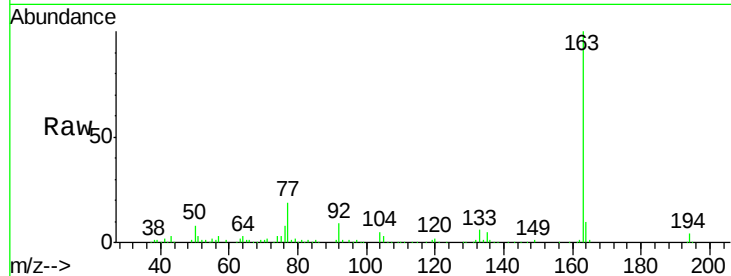
#50
Dimethylphthalate
Concen: 6.177 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	143873		
194	3.9		3.4	5.0
164	9.5		8.2	12.2

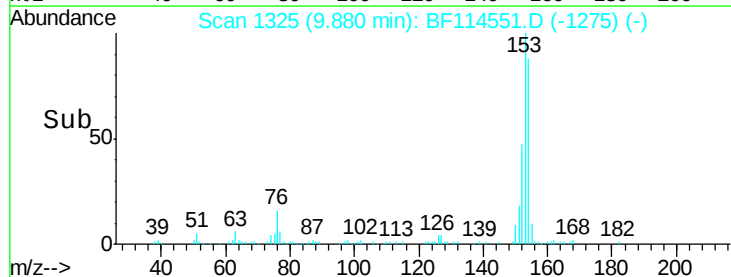
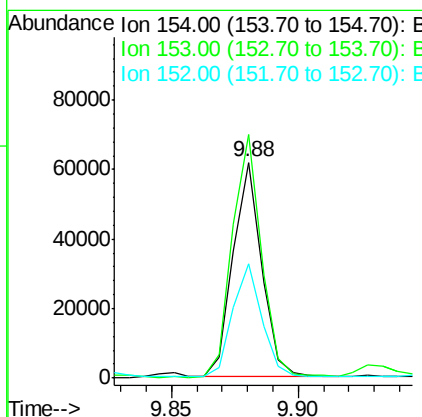
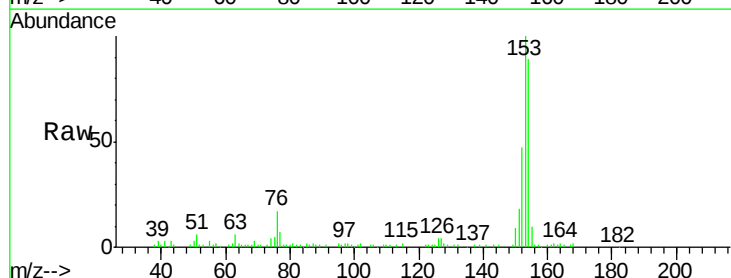
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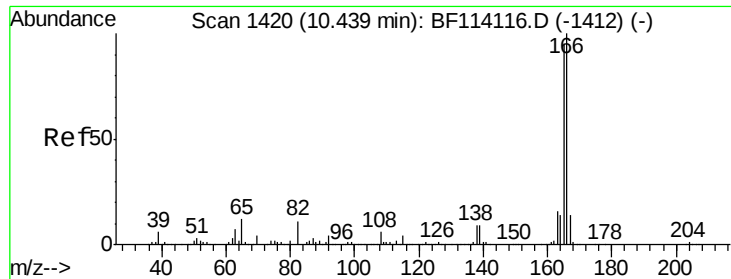
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#52
Acenaphthene
Concen: 2.515 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48418		
153	112.8		90.5	135.7
152	53.3		43.4	65.2





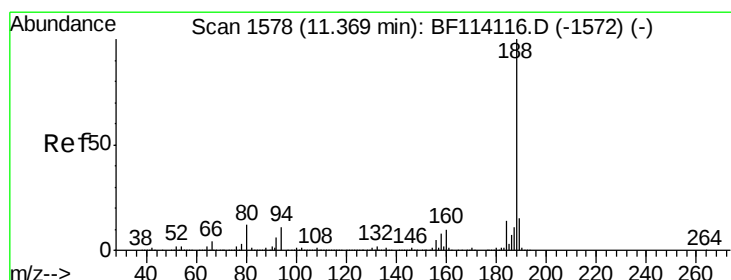
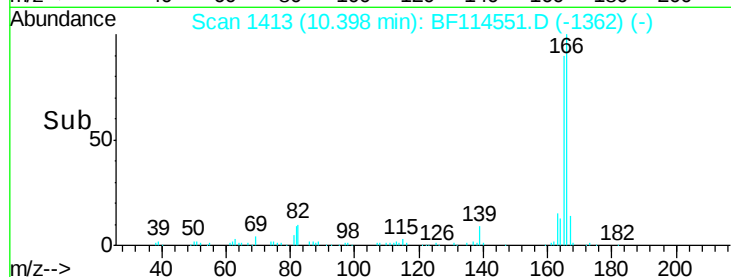
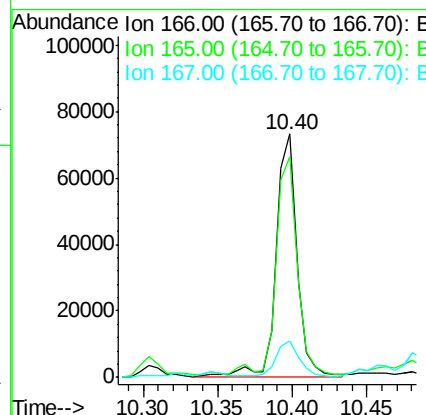
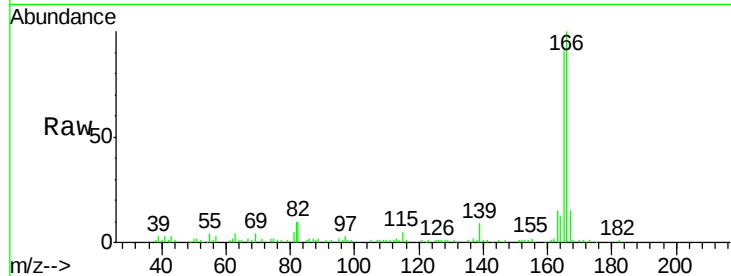
#58
 Fluorene
 Concen: 3.304 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF114551.D
 Acq: 24 May 2019 3:45

Instrument :
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 ClientSampleID :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		72057		
165	90.8	76.1	114.1		
167	14.7	11.1	16.7		

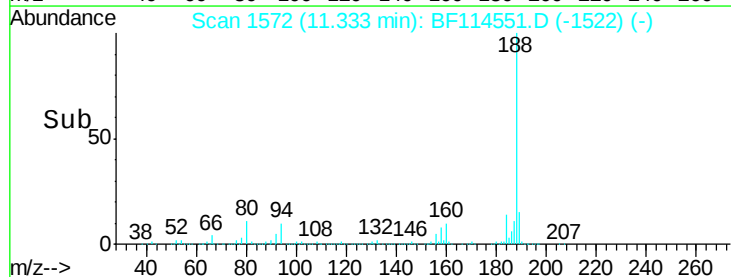
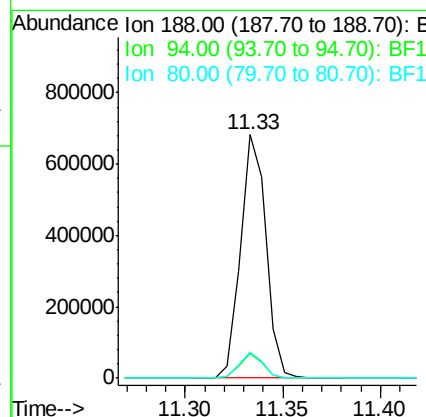
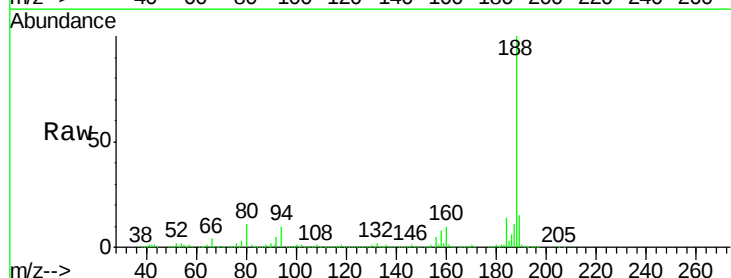
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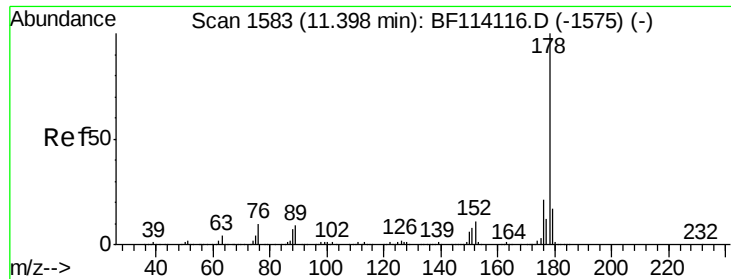
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF114551.D
 Acq: 24 May 2019 3:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		615975		
94	10.1	8.4	12.6		
80	10.5	9.2	13.8		





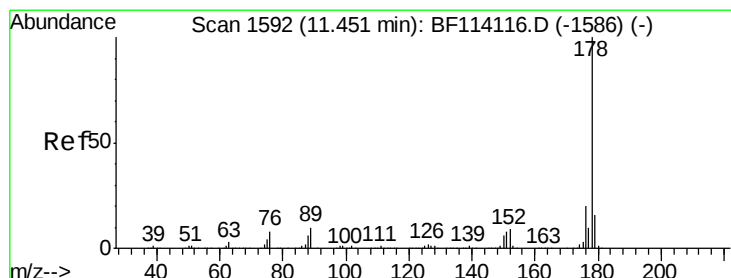
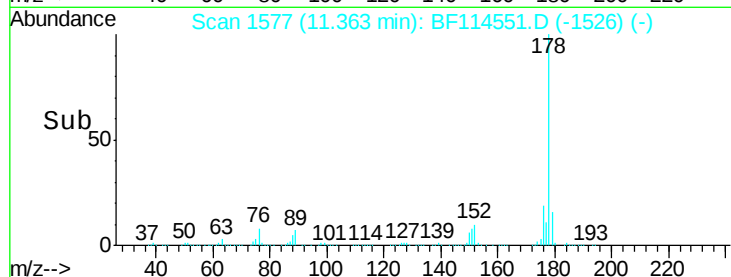
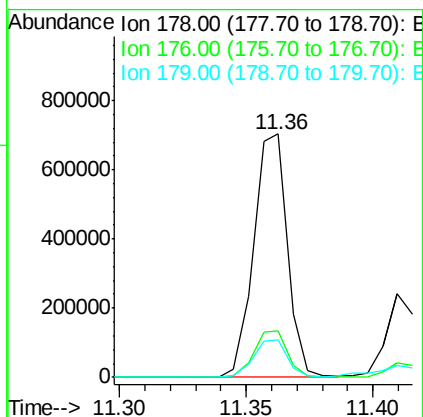
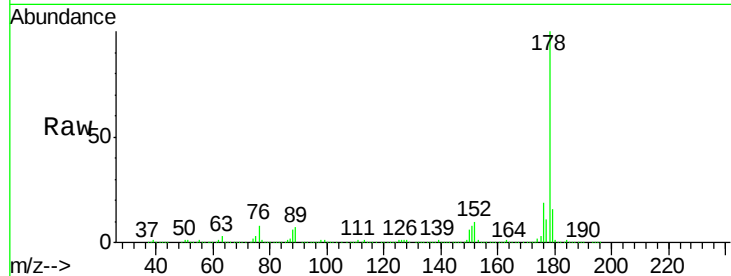
#71
Phenanthrene
Concen: 21.845 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.4	24.6
179	15.6	13.2	19.8

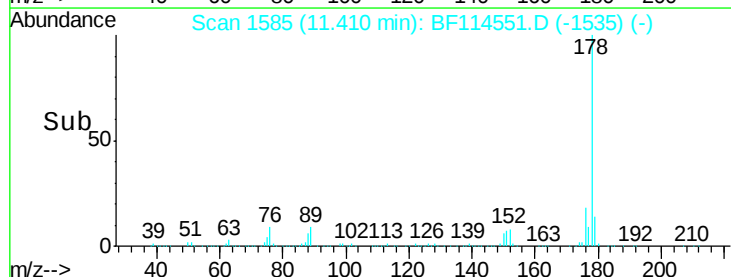
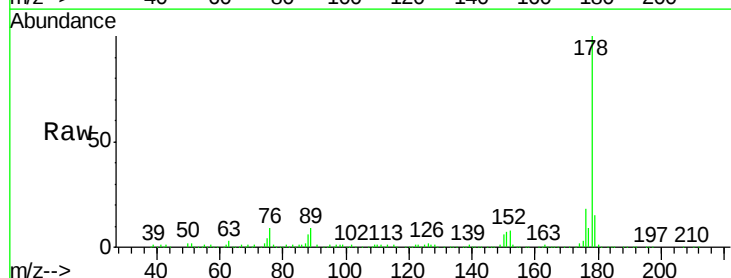
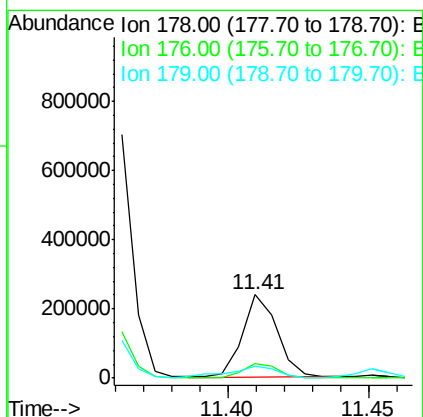
Manual Integrations
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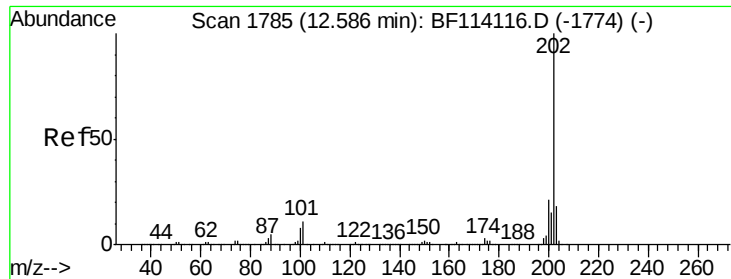
mohammad
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#72
Anthracene
Concen: 6.801 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	14.7	13.0	19.4





#75

Fluoranthene

Concen: 33.730 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF114551.D

Acq: 24 May 2019 3:45

Instrument :

BNA_F

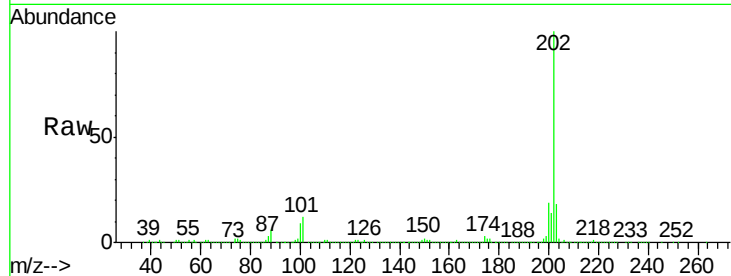
ClientSampleId :

COMP-20

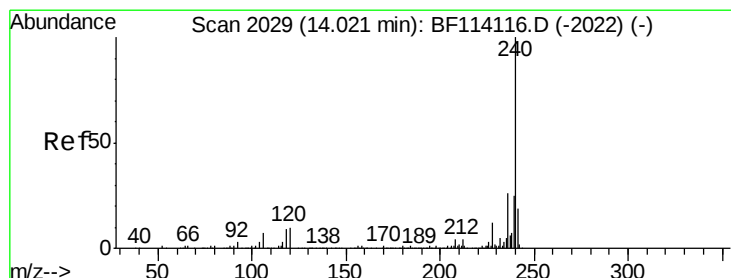
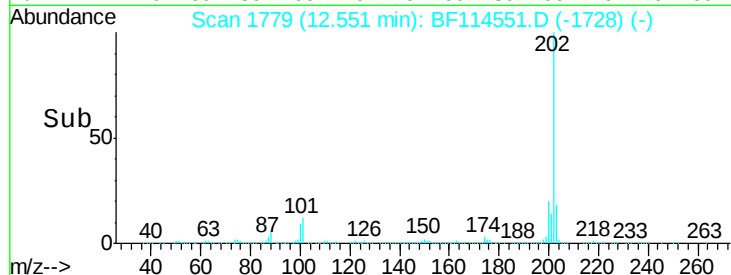
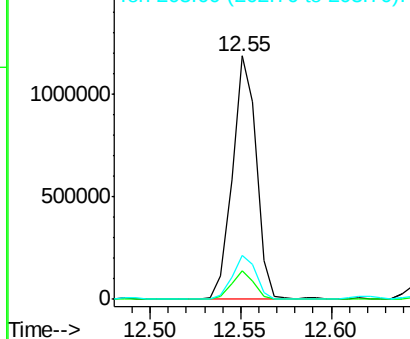
Tot Ion:	202	Resp:	1088517
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.0
203	17.9	0.0	38.4

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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

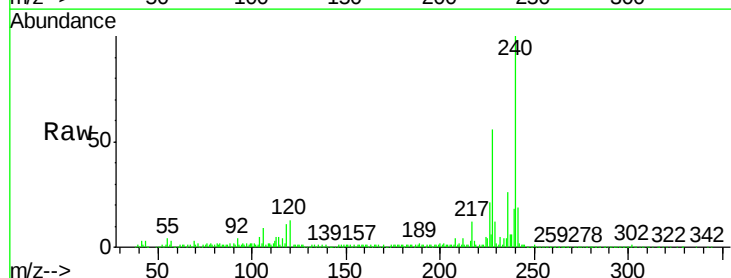
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

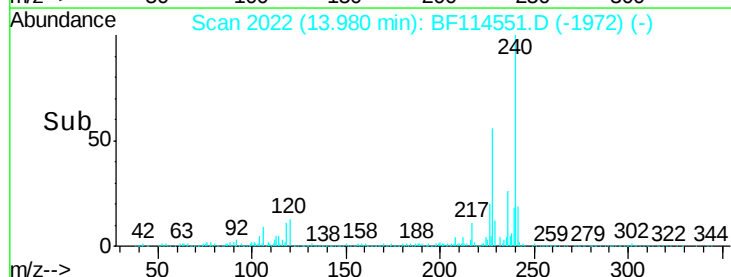
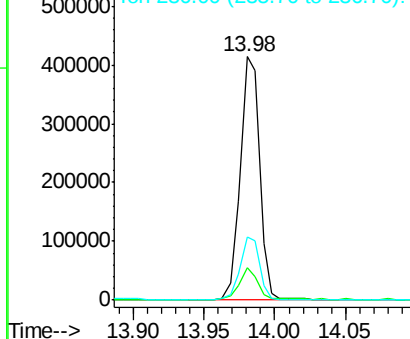
Lab File: BF114551.D

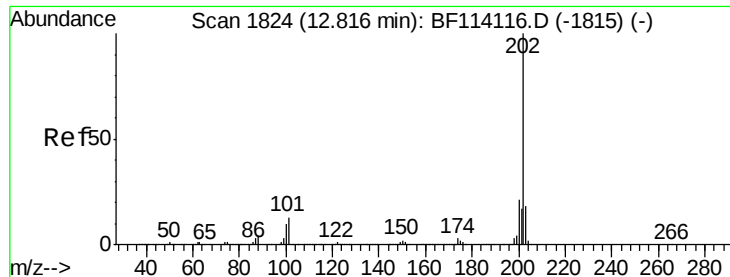
Acq: 24 May 2019 3:45

Tgt Ion:	240	Resp:	394117
Ion Ratio	Lower	Upper	
240	100		
120	13.2	8.3	12.5#
236	26.1	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

Pvrene

Concen: 32.231 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114551.D

Acq: 24 May 2019 3:45

Instrument :

BNA_F

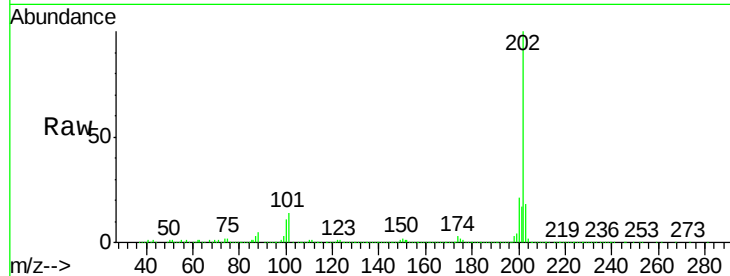
ClientSampled :

COMP-20

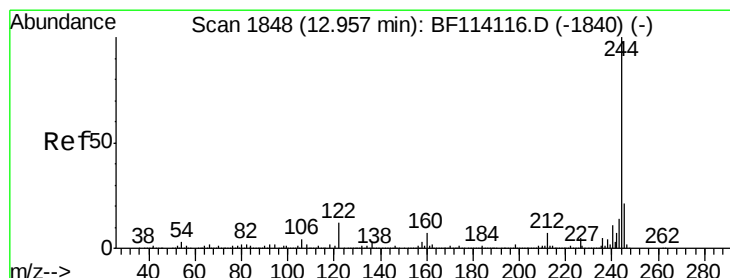
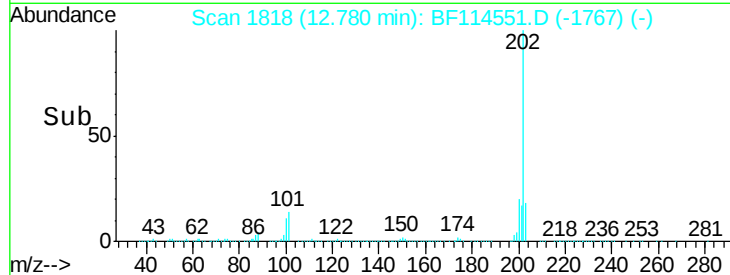
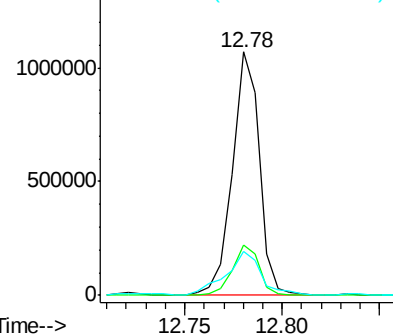
Tot Ion:	202	Resp:	1021880
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.3	14.5	21.7

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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: 51.102 ng

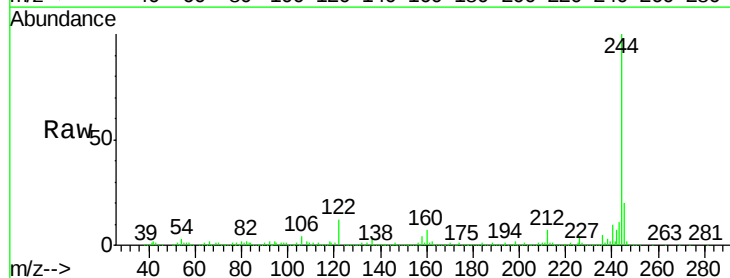
RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

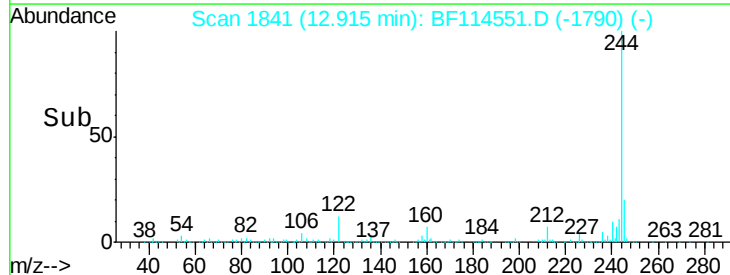
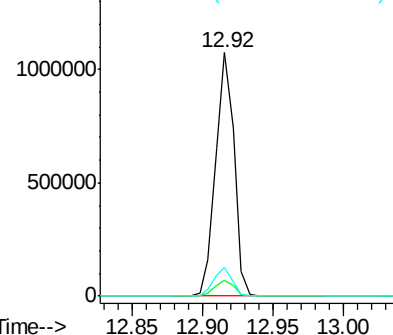
Lab File: BF114551.D

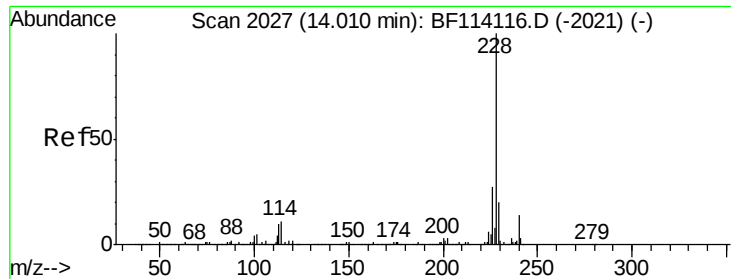
Acq: 24 May 2019 3:45

Tgt Ion:	244	Resp:	976997
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.0	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





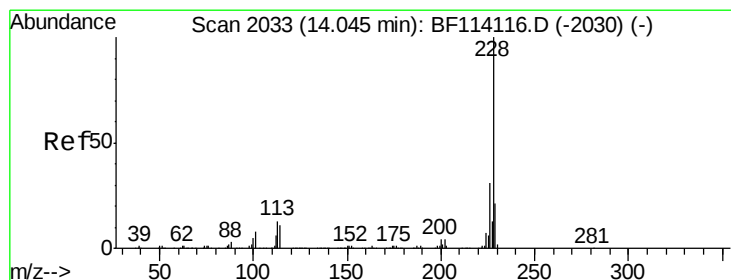
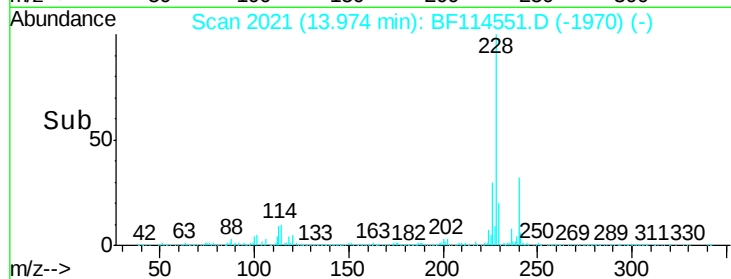
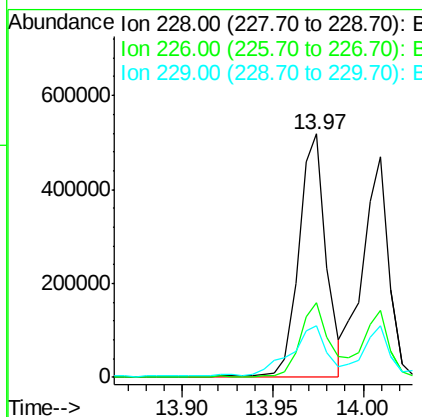
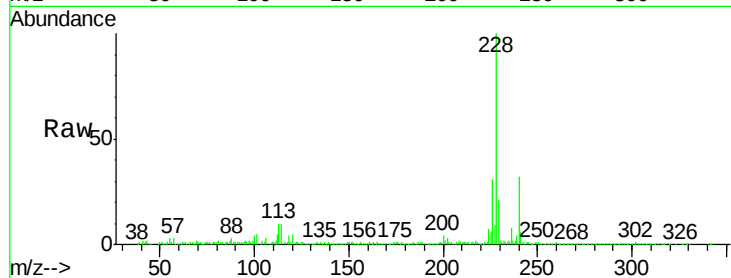
#81
Benzo(a)anthracene
Concen: 21.281 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.2	33.2
229	21.1	16.4	24.6

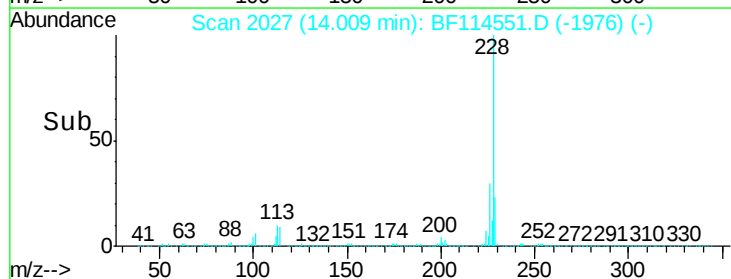
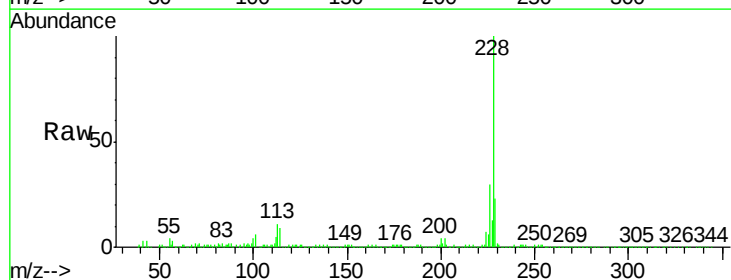
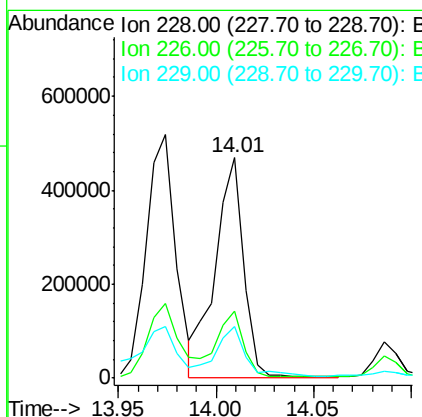
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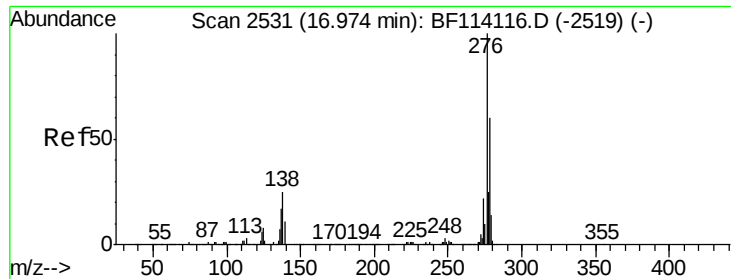
mohammad
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#83
Chrysene
Concen: 18.937 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.4	17.0	25.6





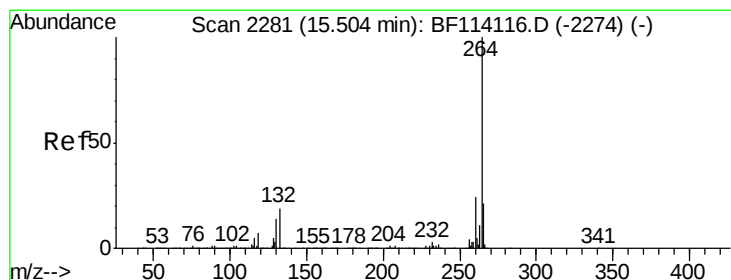
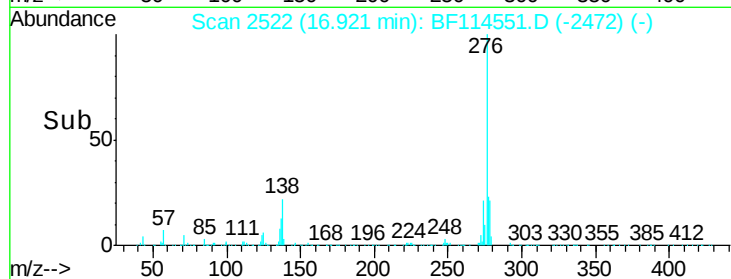
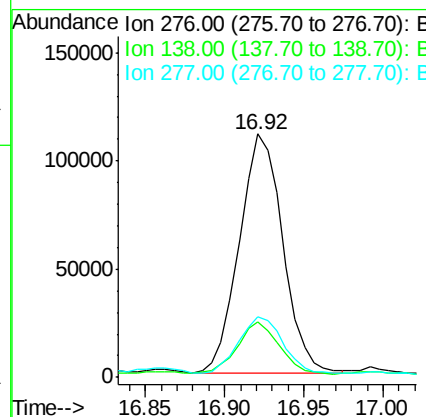
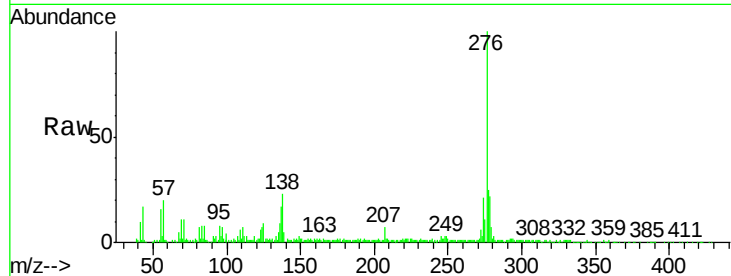
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.499 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.2	30.2
277	24.4	20.0	30.0

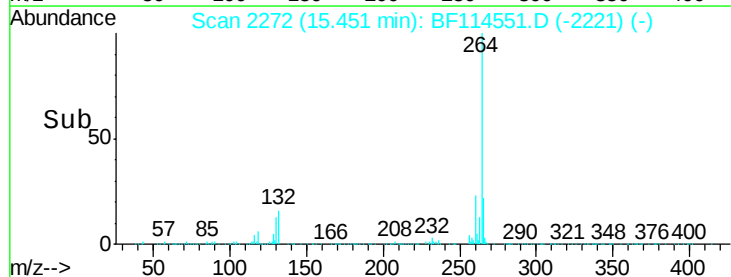
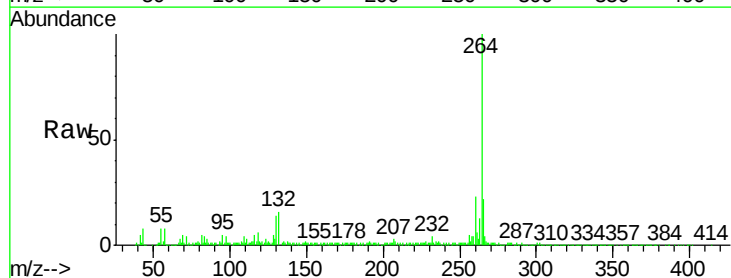
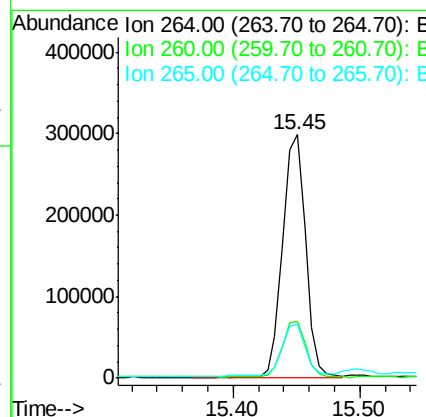
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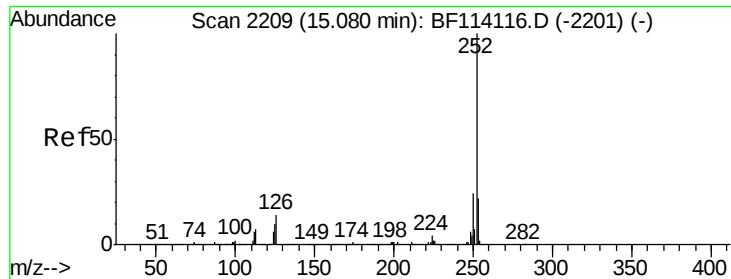
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	22.5	16.9	25.3





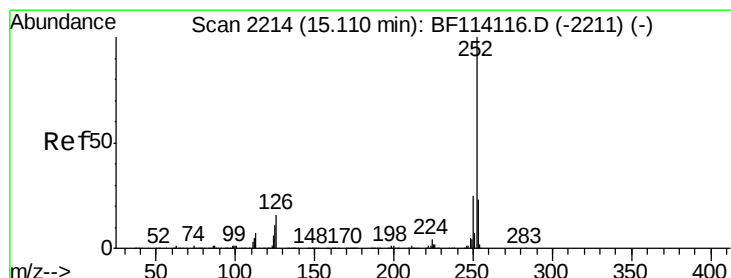
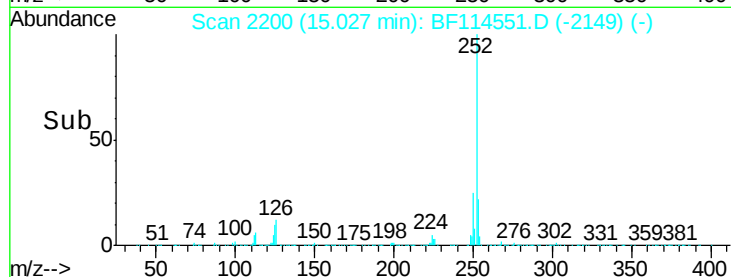
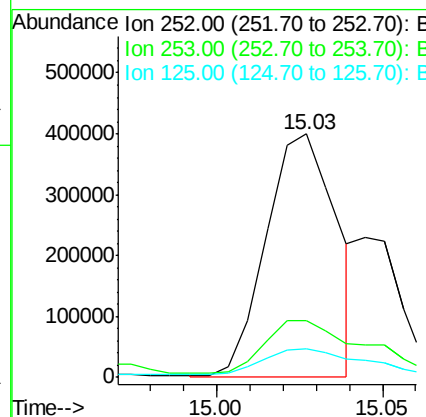
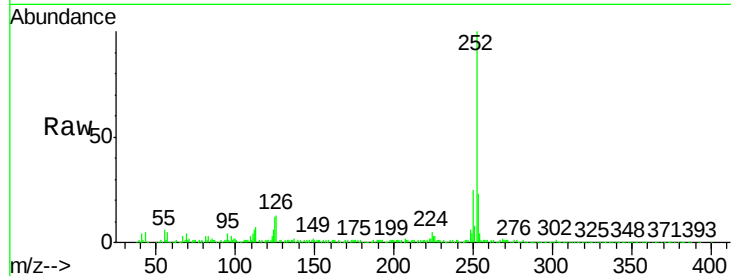
#88
Benzo(b)fluoranthene
Concen: 24.563 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
BNA_F
ClientSampled :
COMP-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	11.7	8.3	12.5

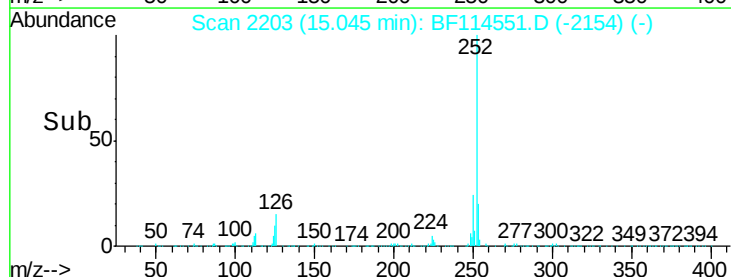
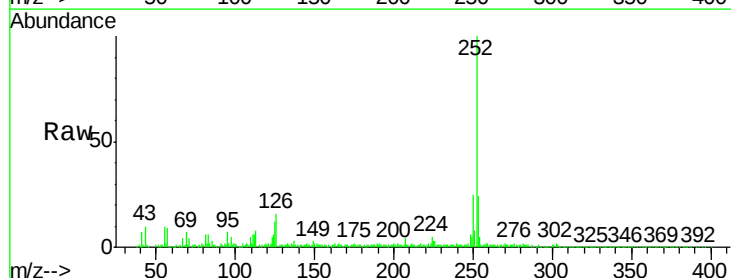
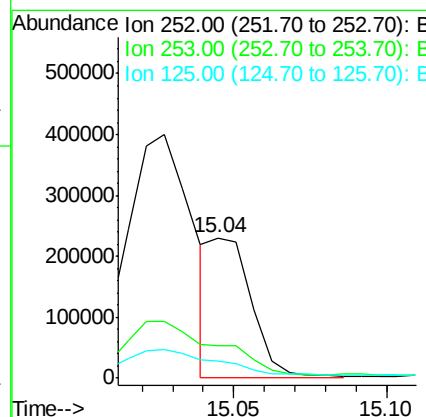
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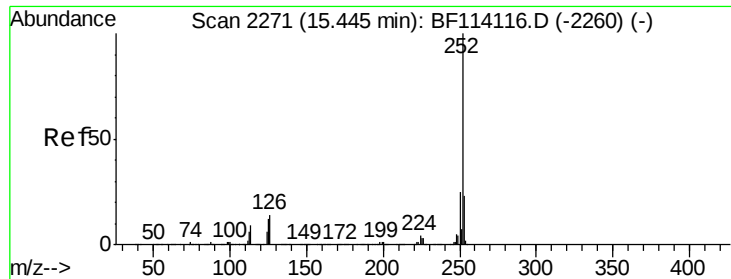
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#89
Benzo(k)fluoranthene
Concen: 9.817 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	12.3	8.6	13.0





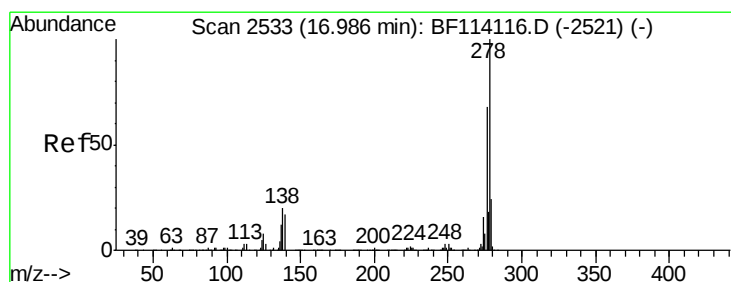
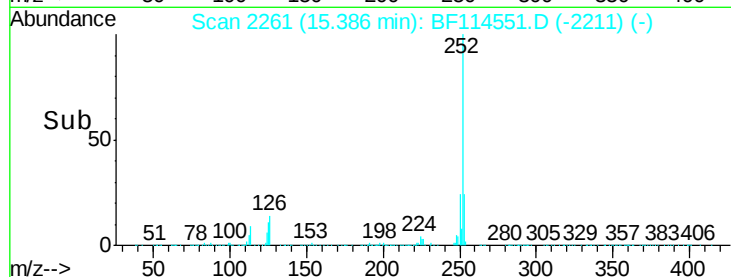
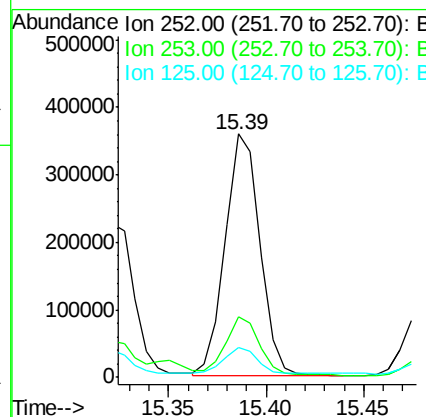
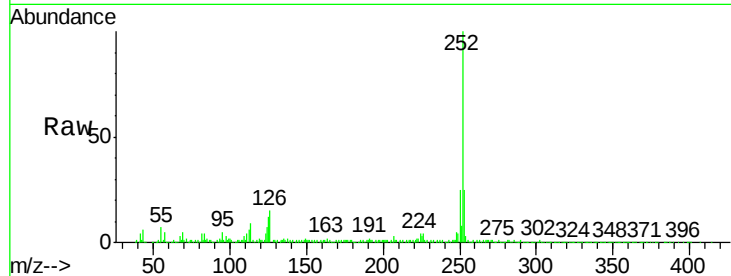
#90
Benzo(a)pyrene
Concen: 21.078 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Instrument :
BNA_F
ClientSampled :
COMP-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	12.5	9.5	14.3

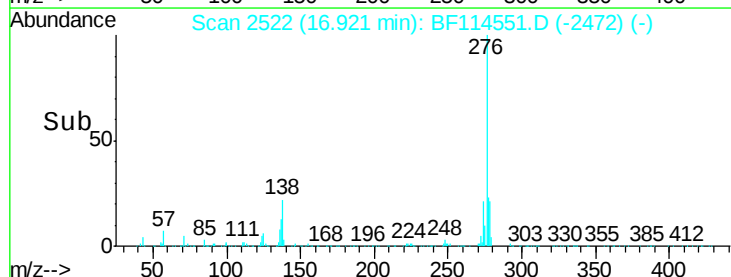
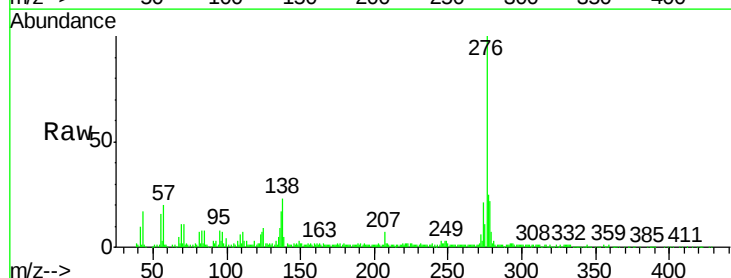
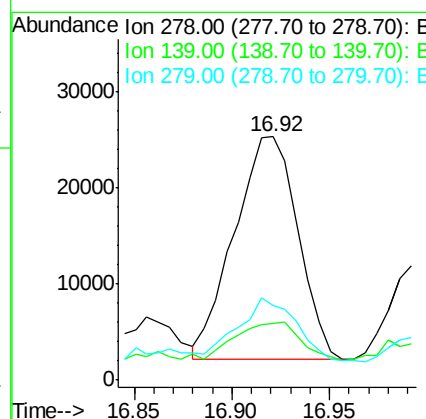
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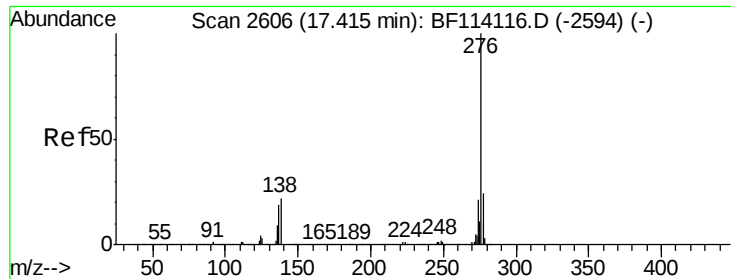
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.978 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF114551.D
Acq: 24 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	13.5	20.3#
279	30.9	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 10.806 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.00 min

Lab File: BF114551.D

Acq: 24 May 2019 3:45

Instrument :

BNA_F

ClientSampleId :

COMP-20

Tot Ion:	276	Resp:	190417
Ion Ratio		Lower	Upper
276	100		
277	25.2	19.0	28.4
138	21.0	17.8	26.6

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