

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118906.D
 Acq On : 12 Feb 2020 1:49
 Operator : CG/JU
 Sample : L1468-01DL 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP11-EP1-2.5DL

Manual Integrations
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Quant Time: Feb 12 08:25:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	201664	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	794800	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	454891	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1000319	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	622161	20.00	ng	-0.01
87) Perylene-d12	15.42	264	602520	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	13628	1.28	ng	0.00
7) Phenol-d6	6.45	99	14289	1.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	8927	0.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	5908	1.09	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	26951	1.06	ng	-0.02
79) Terphenyl-d14	12.91	244	41585	1.37	ng	-0.02

Target Compounds				Qvalue		
31) Naphthalene	8.11	128	916908	25.224	ng	98
37) 2-Methylnaphthalene	8.80	142	302969	12.017	ng	99
38) 1-Methylnaphthalene	8.90	142	229879	9.693	ng	99
46) 1,1'-Biphenyl	9.26	154	79768	2.535	ng	97
49) Acenaphthylene	9.70	152	407499	10.789	ng	98
58) Fluorene	10.39	166	254469	9.404	ng	99
71) Phenanthrene	11.36	178	1785918	36.286	ng	99
72) Anthracene	11.40	178	485748	9.921	ng	96
75) Fluoranthene	12.54	202	993458	18.488	ng	98
78) Pyrene	12.77	202	1421063	33.294	ng	98
81) Benzo(a)anthracene	13.96	228	449685m	12.146	ng	
83) Chrysene	13.99	228	424573	11.426	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	131485	3.522	ng	97
88) Benzo(b)fluoranthene	15.00	252	369396m	9.880	ng	
89) Benzo(k)fluoranthene	15.02	252	114839m	3.527	ng	
90) Benzo(a)pyrene	15.36	252	374345	11.700	ng	98
92) Benzo(a,h,i)perylene	17.29	276	136132	4.983	ng	95

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

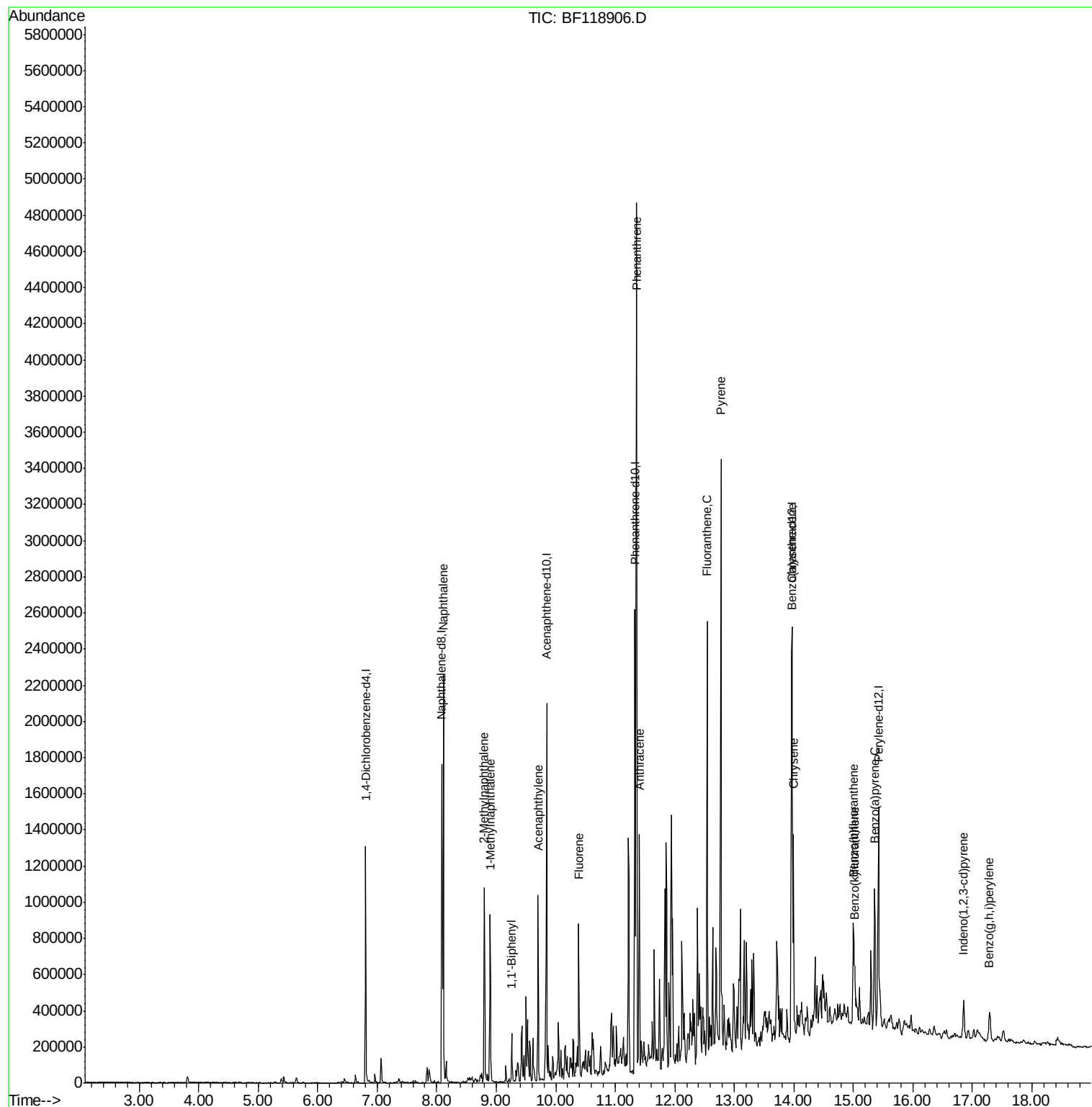
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118906.D
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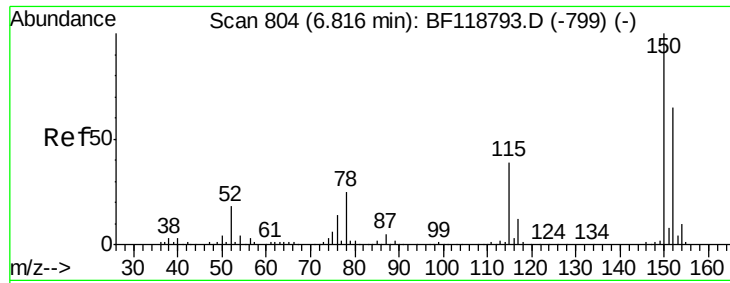
Instrument :
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TP11-EP1-2.5DL

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Quant Time: Feb 12 08:25:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





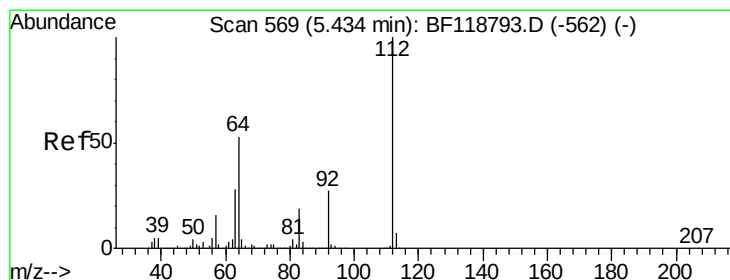
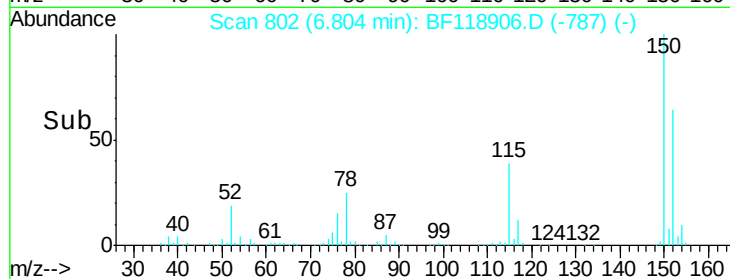
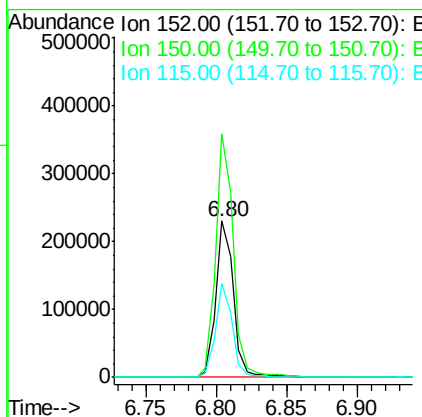
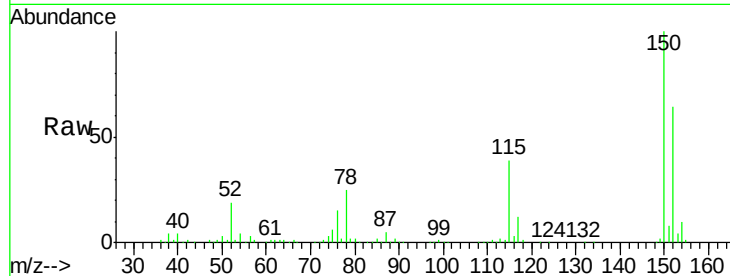
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118906.D
 Acq: 12 Feb 2020 1:49

Instrument :
 BNA_F
 ClientSampleId :
 TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.6	185.4
115	60.4	48.2	72.2

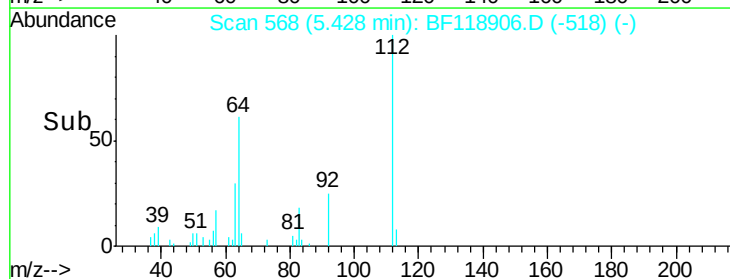
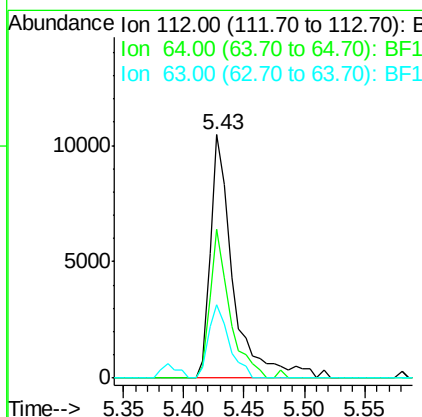
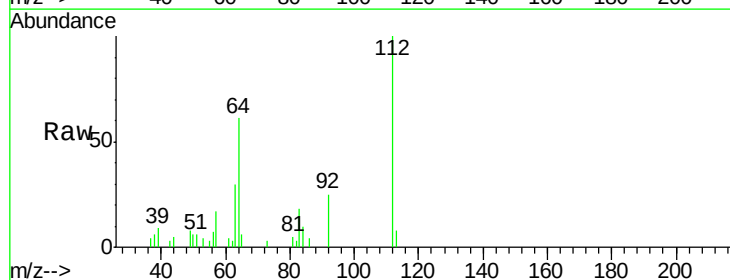
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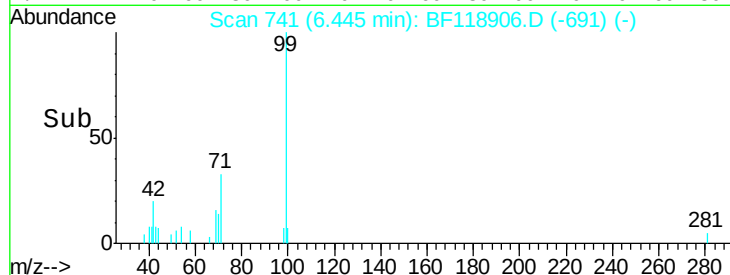
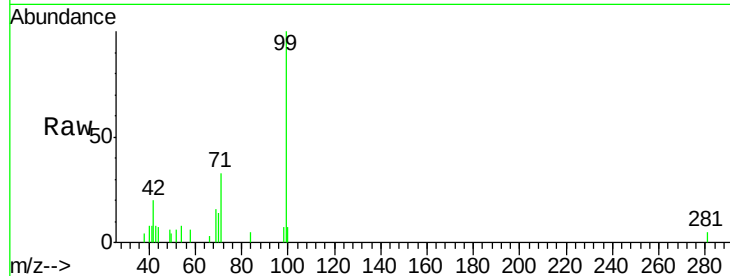
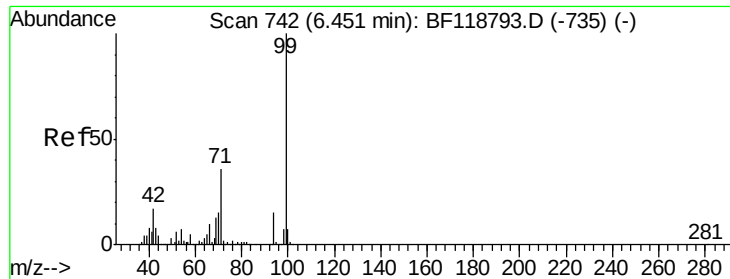
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#5
 2-Fluorophenol
 Concen: 1.279 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF118906.D
 Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	42.6	63.8
63	30.3	22.2	33.4





#7

Phenol-d6

Concen: 1.080 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		14289		
42	19.7	13.4	20.0		
71	32.7	29.0	43.6		

Instrument :

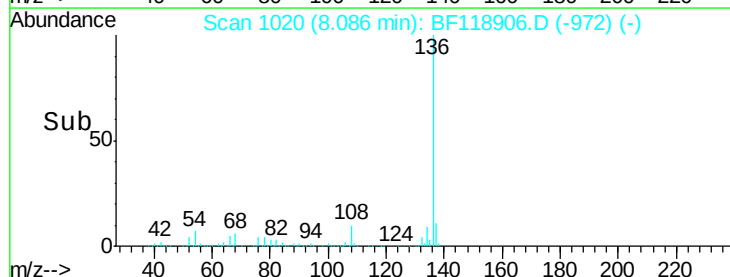
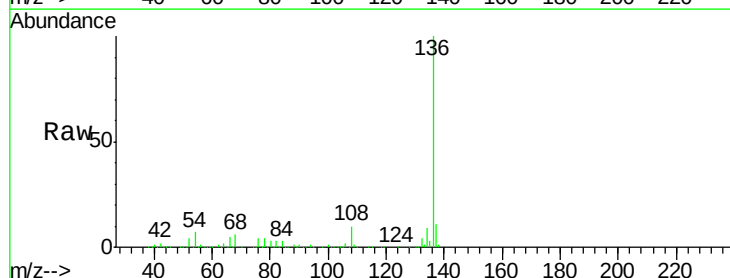
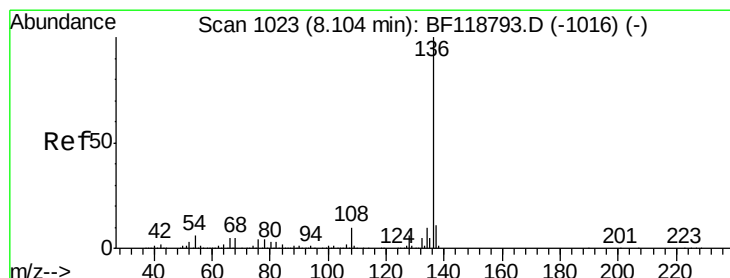
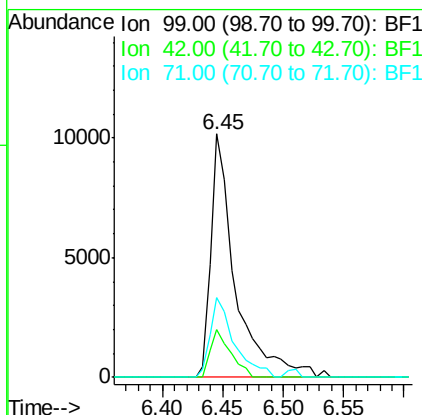
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

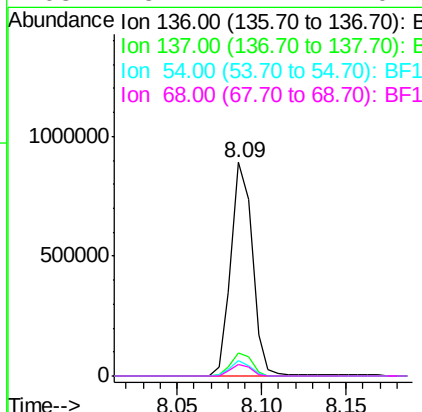
RT: 8.09 min Scan# 1020

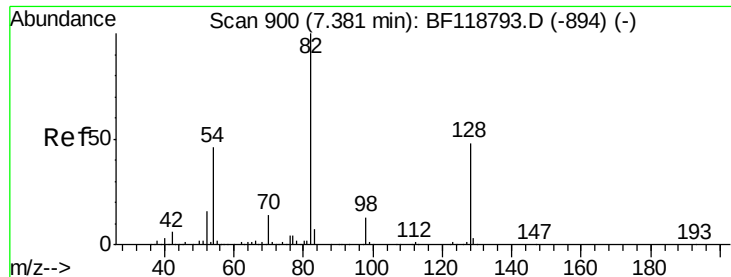
Delta R.T. -0.02 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		794800		
137	11.0	8.7	13.1		
54	7.0	5.0	7.6		
68	5.7	4.2	6.4		





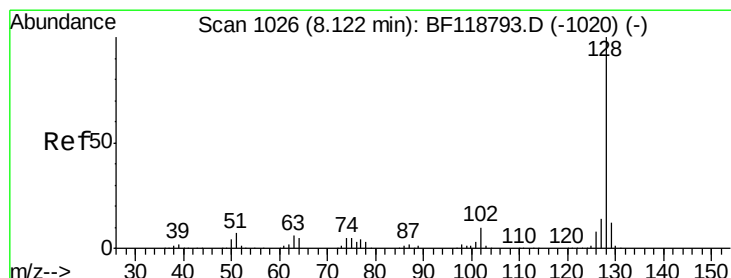
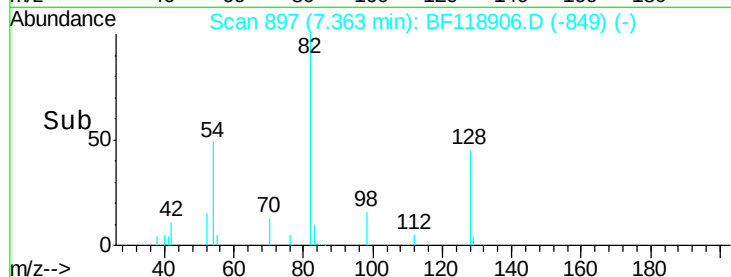
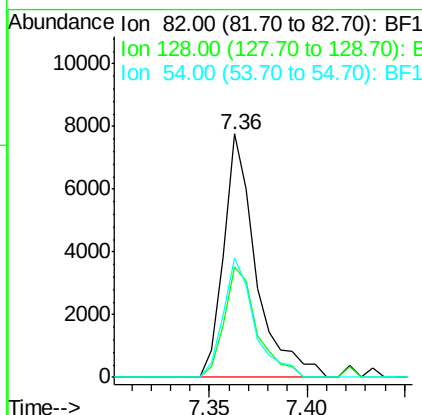
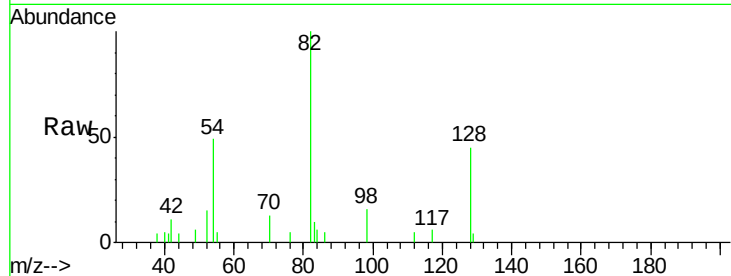
#23
Nitrobenzene-d5
Concen: 0.669 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion:	82	Resp:	8927
Ion Ratio	Lower	Upper	
82	100		
128	45.5	38.5	57.7
54	48.8	36.7	55.1

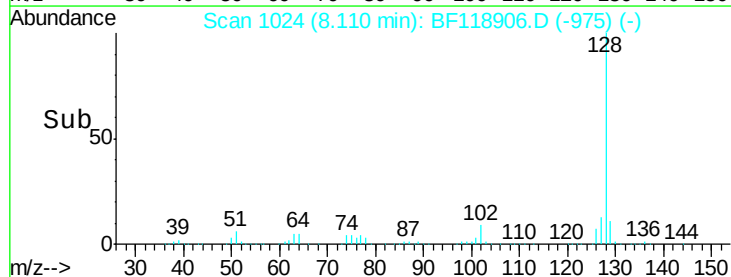
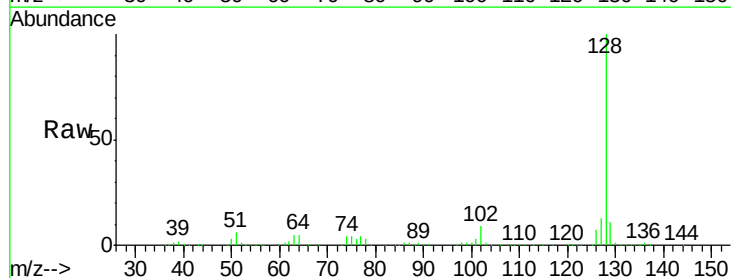
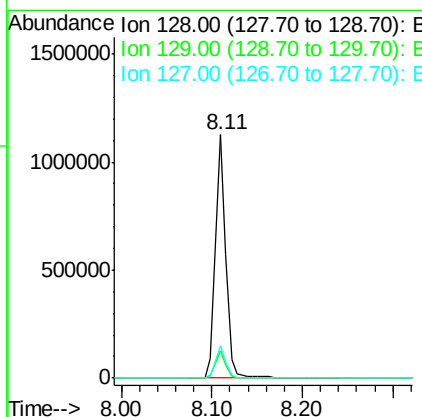
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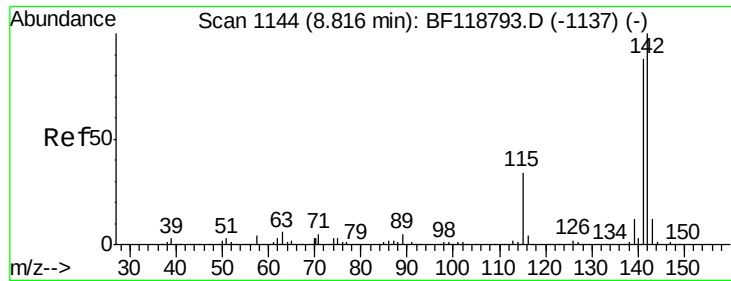
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#31
Naphthalene
Concen: 25.224 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion:	128	Resp:	916908
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.4	14.2
127	13.3	11.3	16.9





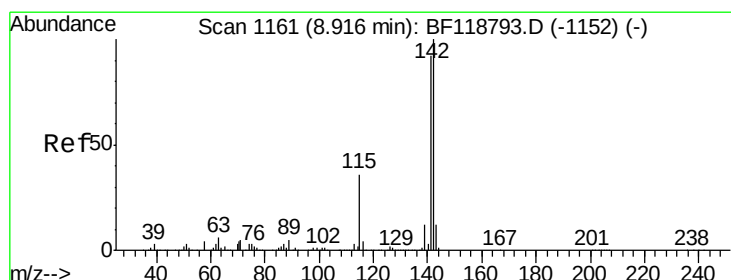
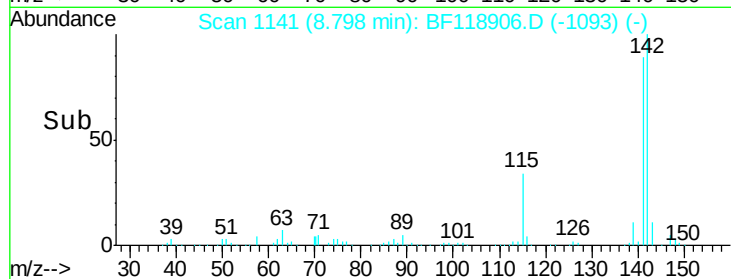
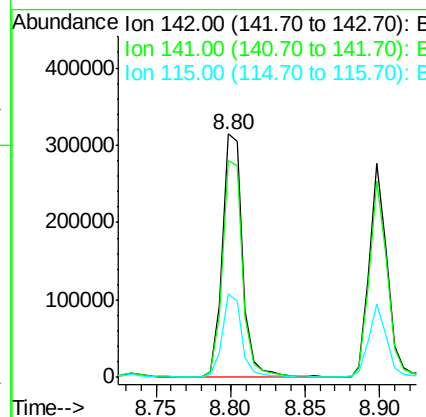
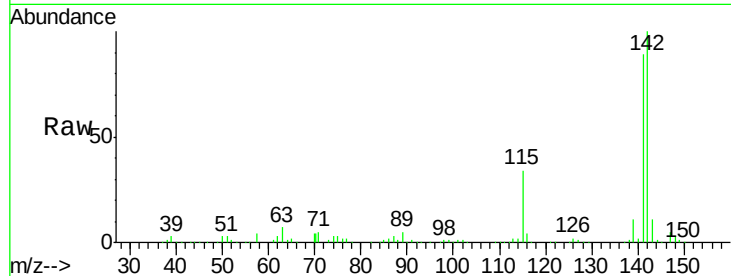
#37
2-Methylnaphthalene
Concen: 12.017 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.1	105.1
115	34.1	27.3	40.9

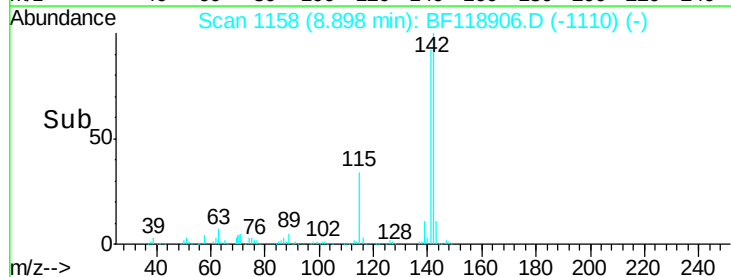
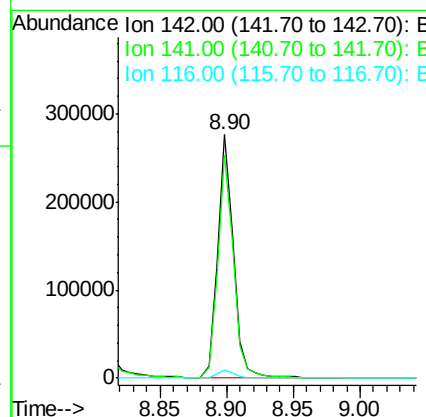
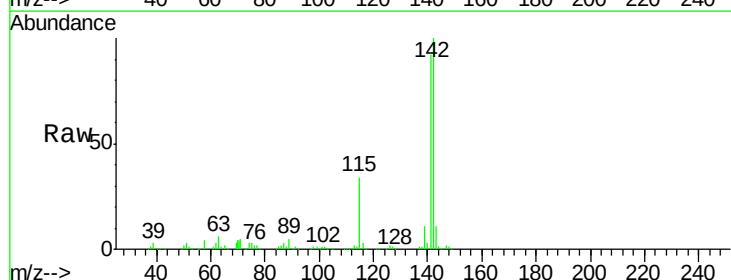
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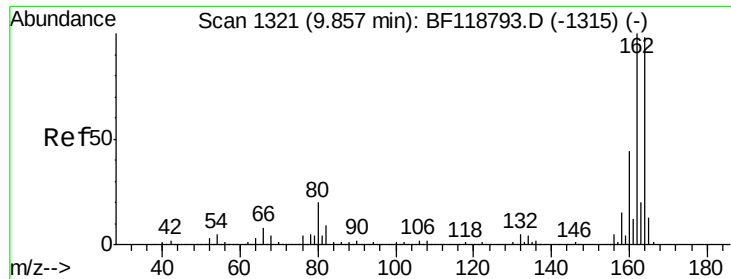
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#38
1-Methylnaphthalene
Concen: 9.693 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.8	110.6
116	3.4	3.0	4.4





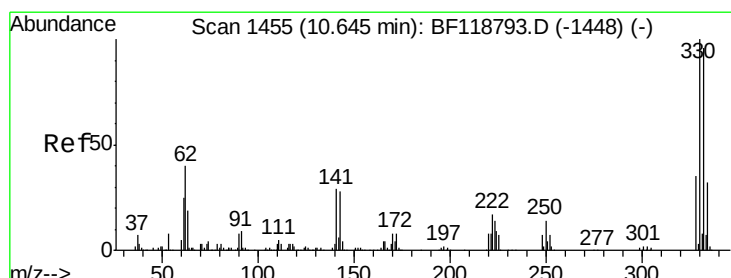
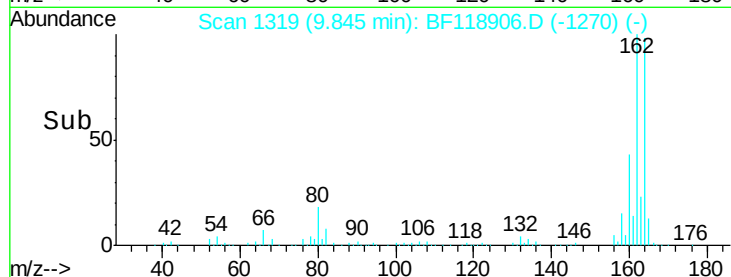
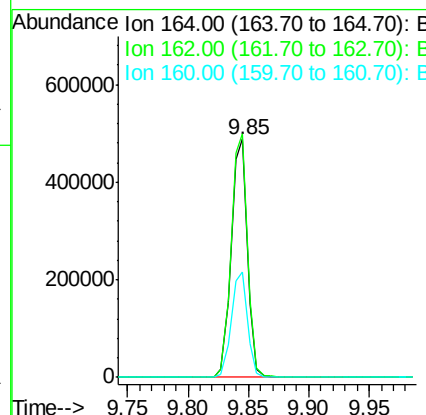
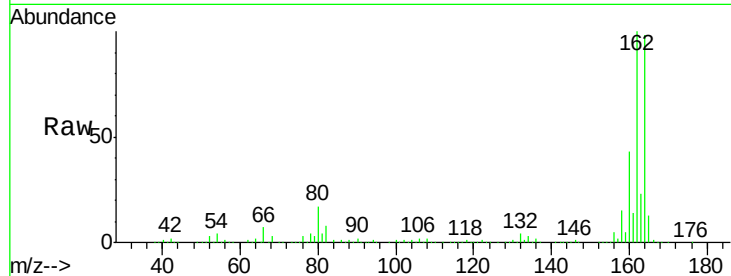
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	81.4	122.2	
160	44.2	35.6	53.4	

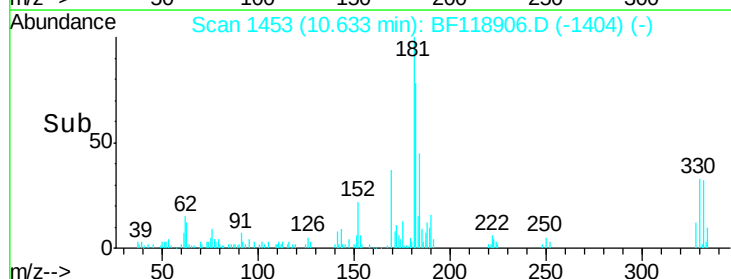
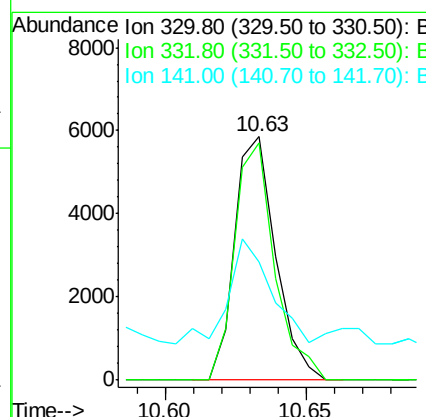
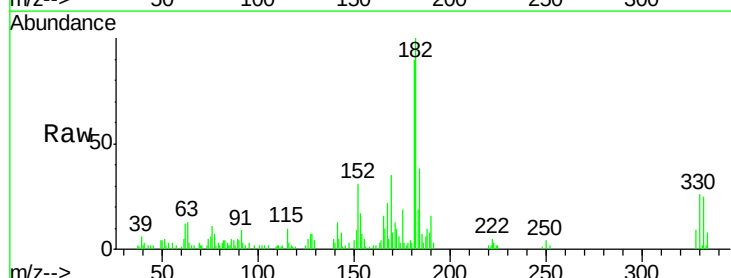
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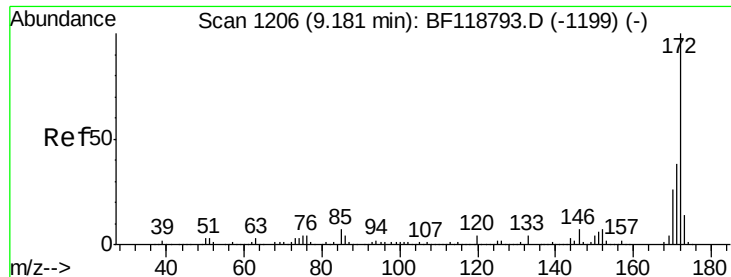
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#42
2,4,6-Tribromophenol
Concen: 1.085 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.3	115.9	
141	44.2	22.4	33.6#	





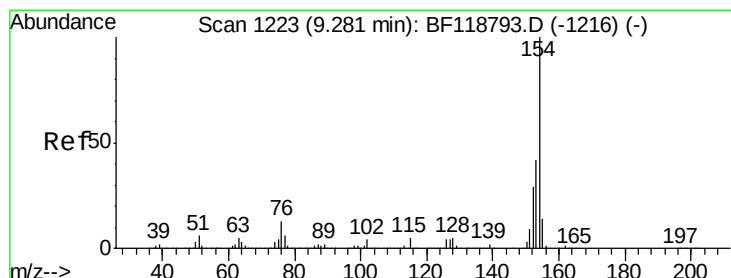
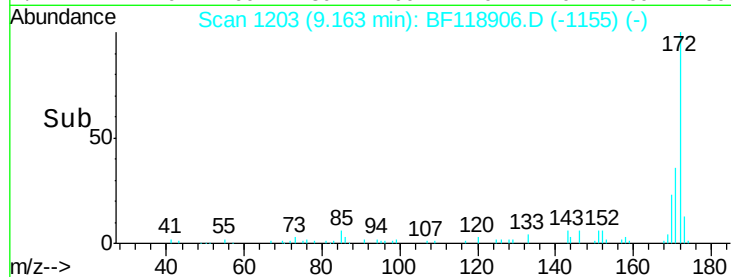
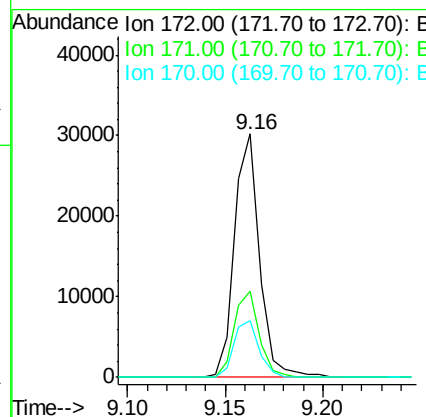
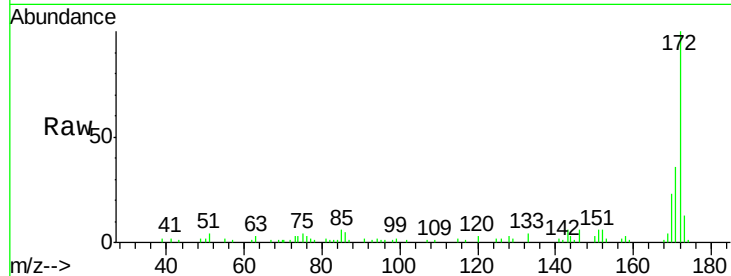
#45
2-Fluorobiphenyl
Concen: 1.059 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		26951		
171	35.6	30.8	46.2		
170	23.3	20.5	30.7		

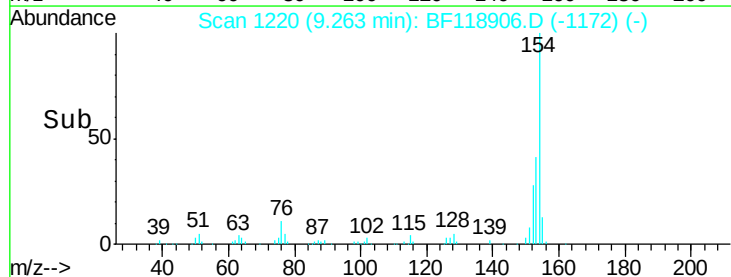
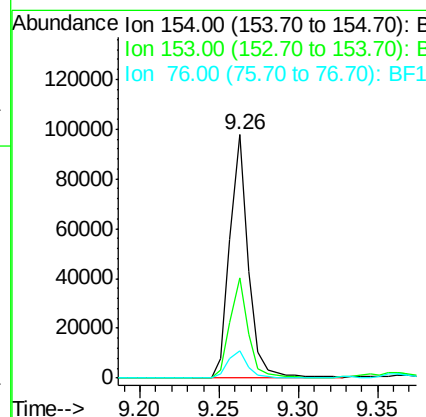
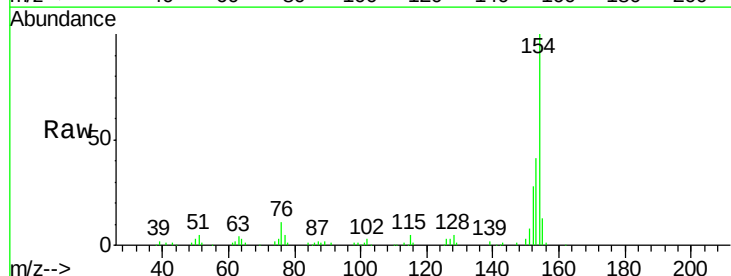
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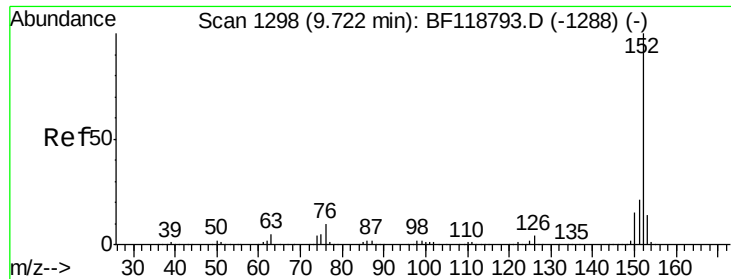
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#46
1,1'-Biphenyl
Concen: 2.535 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		79768		
153	40.9	22.4	62.4		
76	11.4	0.0	32.7		





#49

Acenaphthylene

Concen: 10.789 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Instrument :

BNA_F

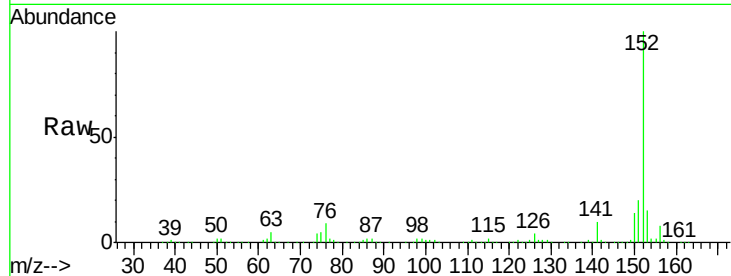
ClientSampleId :

TP11-EP1-2.5DL

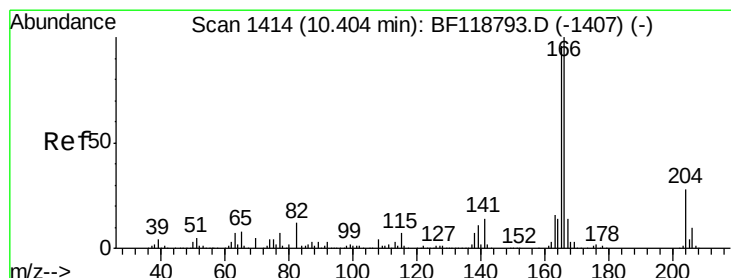
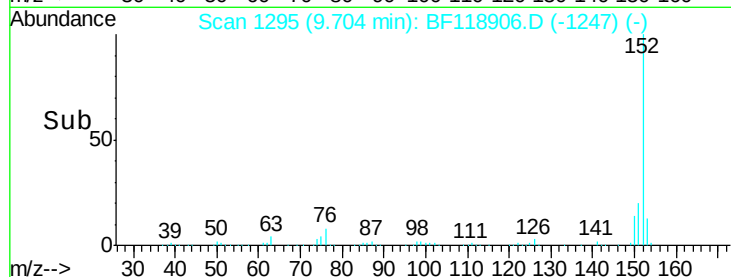
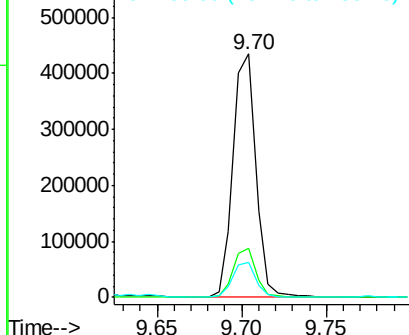
Tot Ion:	152	Resp:	407499
Ion Ratio	Lower	Upper	
152	100		
151	20.2	17.1	25.7
153	14.6	11.0	16.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#58

Fluorene

Concen: 9.404 ng

RT: 10.39 min Scan# 1411

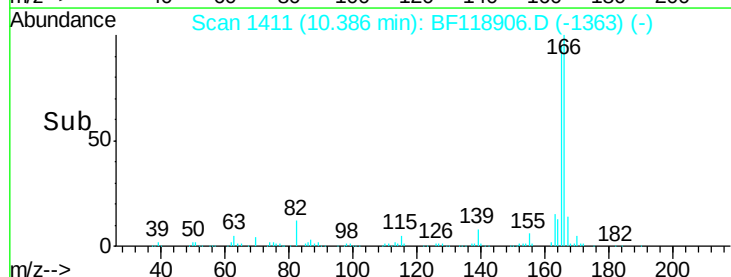
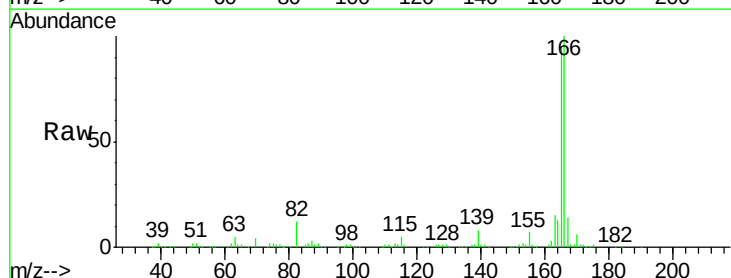
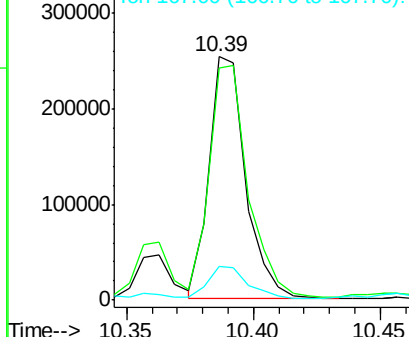
Delta R.T. -0.02 min

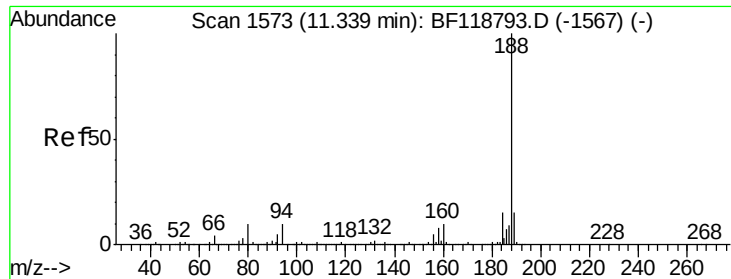
Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Tgt Ion:	166	Resp:	254469
Ion Ratio	Lower	Upper	
166	100		
165	95.4	77.0	115.6
167	13.9	11.1	16.7

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





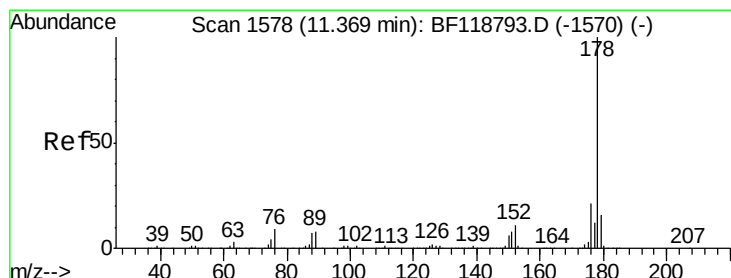
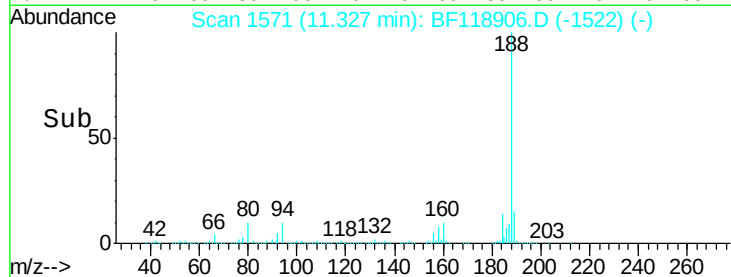
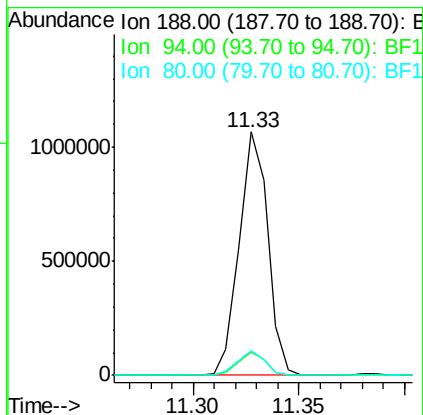
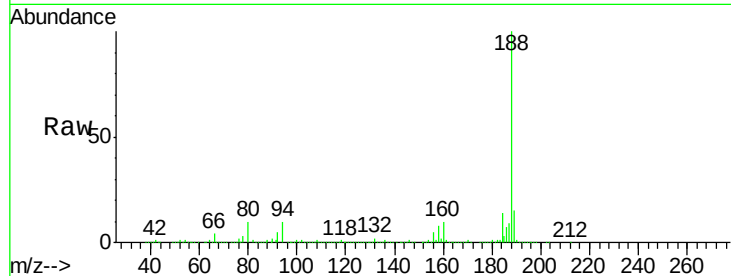
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.9	11.9
80	10.4	8.4	12.6

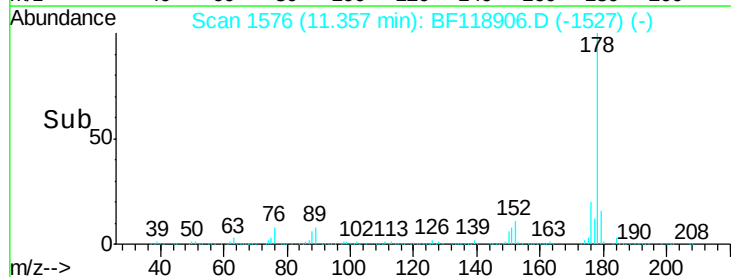
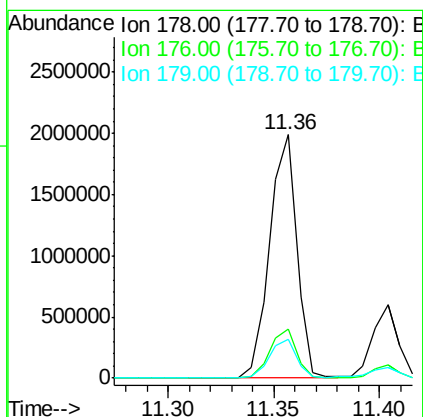
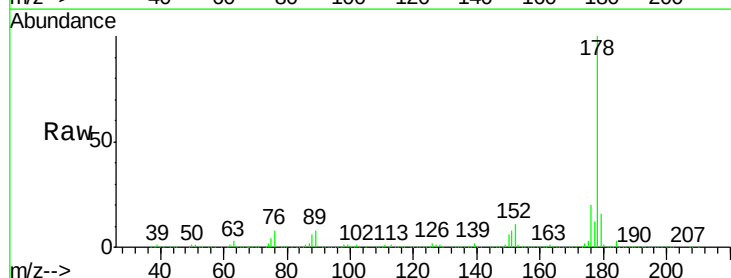
Manual Integrations
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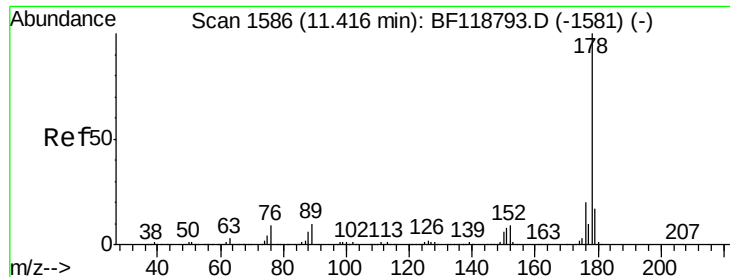
mohammad
2/12/2020 3:51:33 PM



#71
Phenanthrene
Concen: 36.286 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	24.8
179	16.2	13.2	19.8





#72

Anthracene

Concen: 9.921 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Instrument :

BNA_F

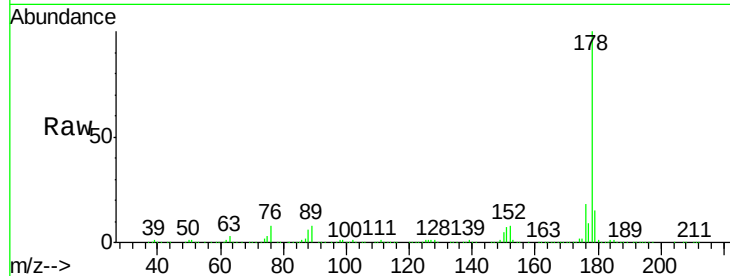
ClientSampleId :

TP11-EP1-2.5DL

Tot Ion:	178	Resp:	485748
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.2
179	15.1	13.4	20.2

Manual Integrations
APPROVED

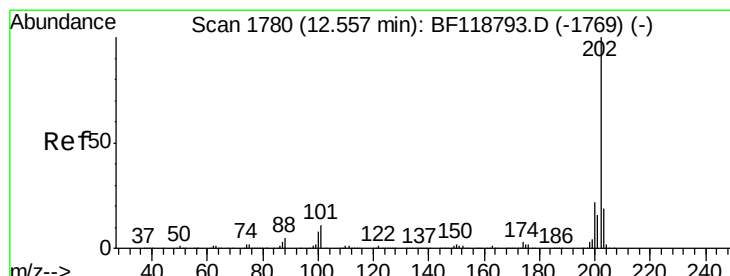
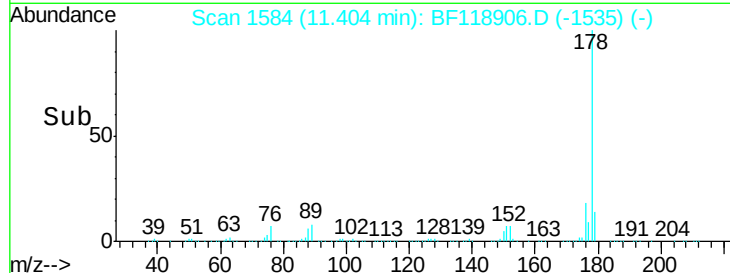
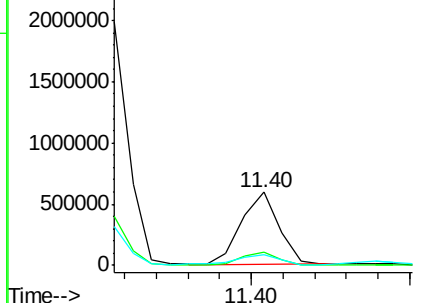
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.488 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118906.D

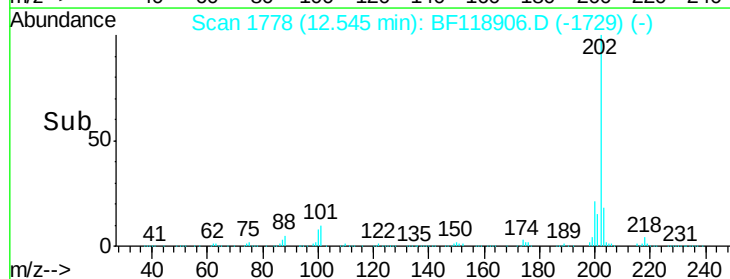
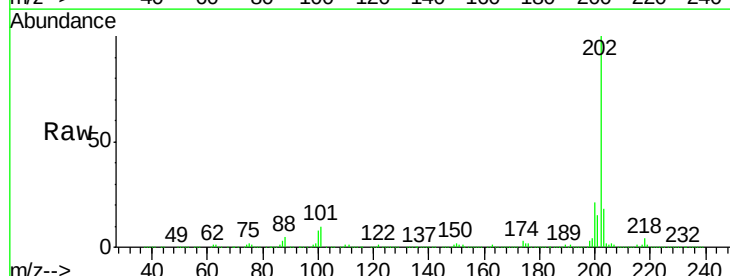
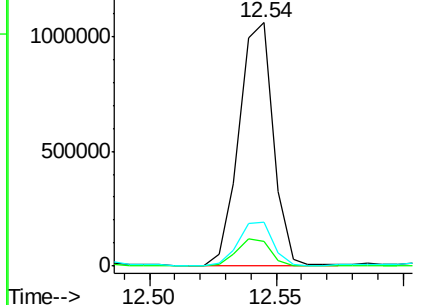
Acq: 12 Feb 2020 1:49

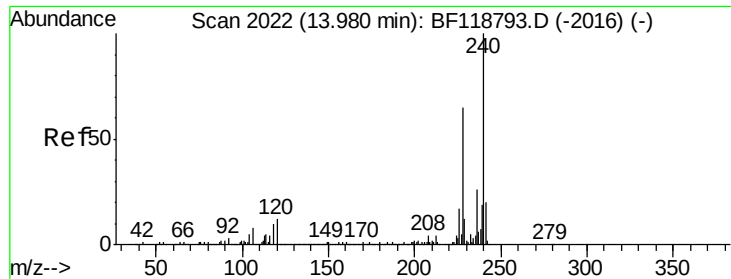
Tgt Ion:	202	Resp:	993458
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.0
203	18.0	0.0	38.7

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Instrument :

BNA_F

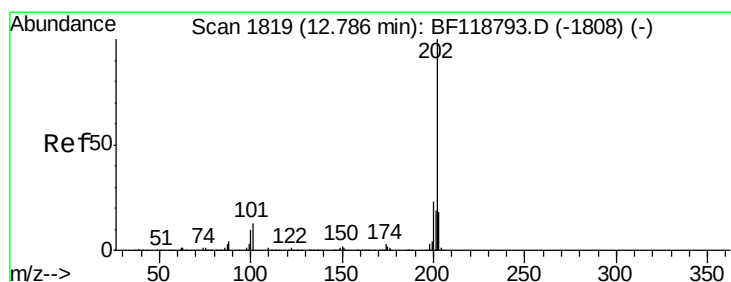
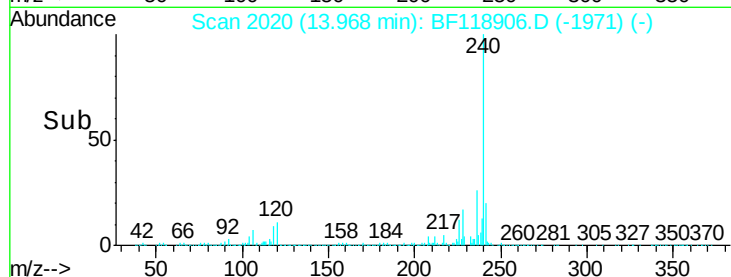
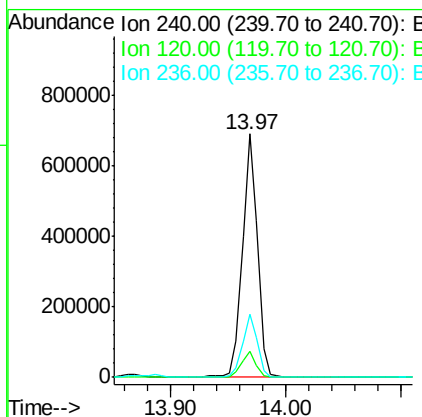
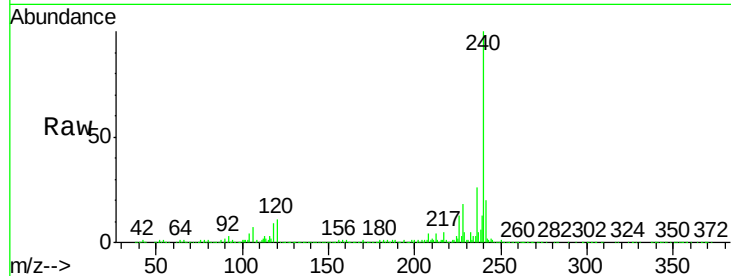
ClientSampleId :

TP11-EP1-2.5DL

Tot Ion:	240	Resp:	622161
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.4	14.0
236	26.2	21.0	31.6

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#78

Pyrene

Concen: 33.294 ng

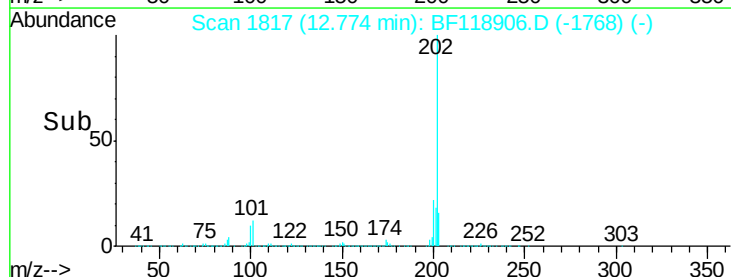
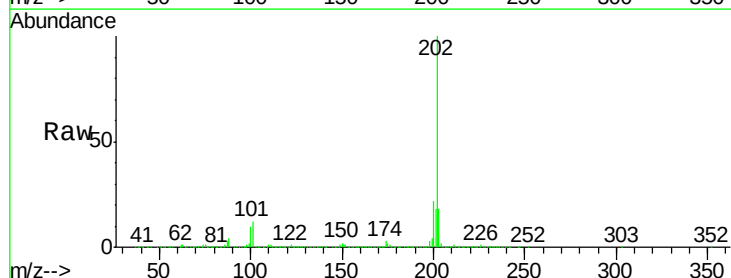
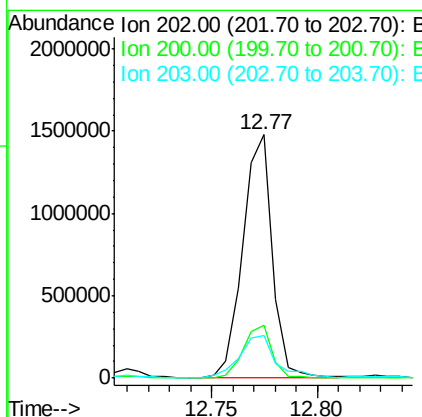
RT: 12.77 min Scan# 1817

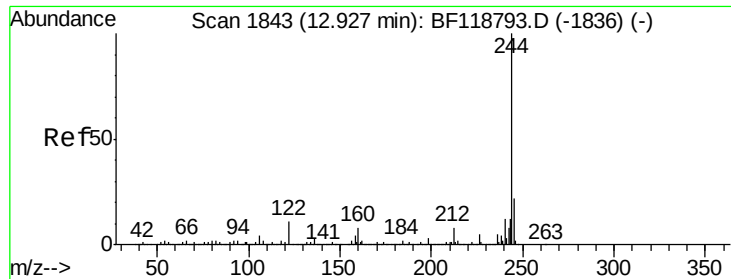
Delta R.T. -0.01 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Tgt Ion:	202	Resp:	1421063
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.2	27.2
203	17.5	14.8	22.2





#79

Terphenyl-d14

Concen: 1.373 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.02 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Instrument :

BNA_F

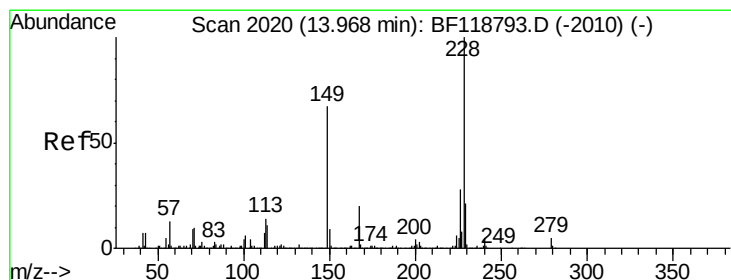
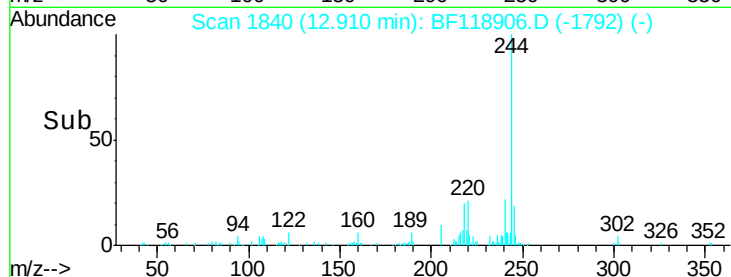
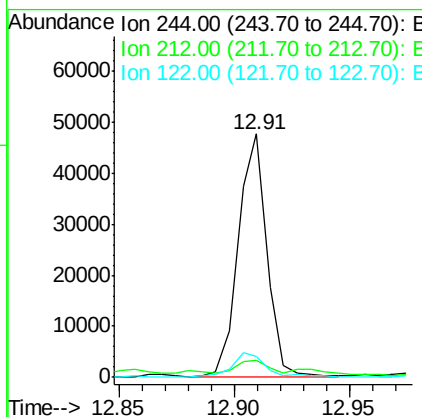
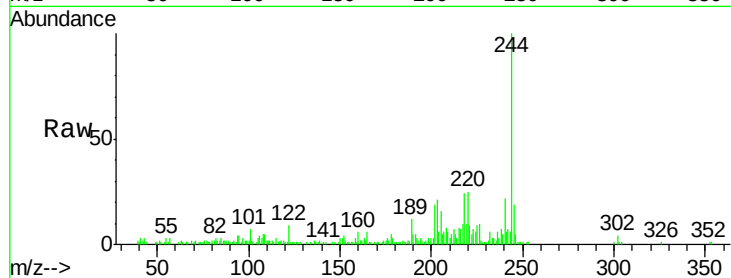
ClientSampleId :

TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	8.6	8.9	13.3

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 12.146 ng m

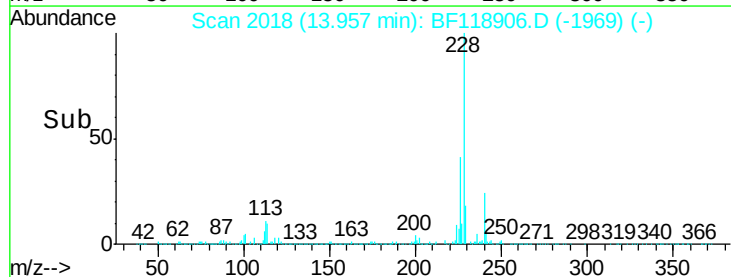
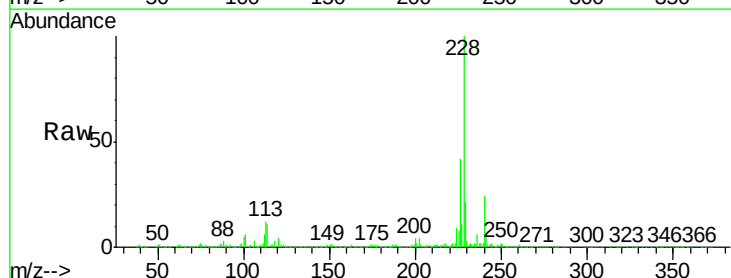
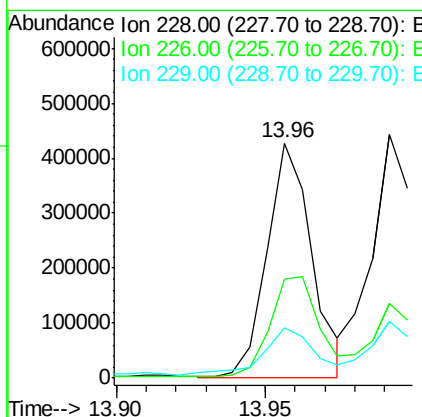
RT: 13.96 min Scan# 2018

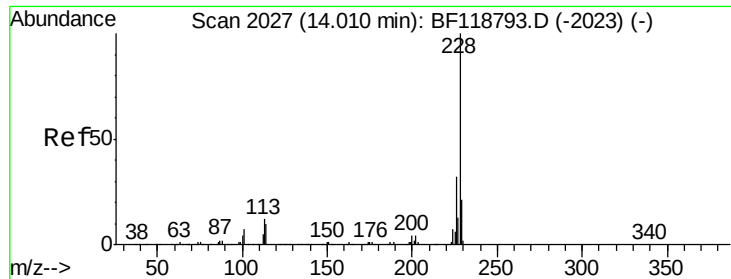
Delta R.T. -0.01 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.1	22.7	34.1
229	21.3	16.6	25.0





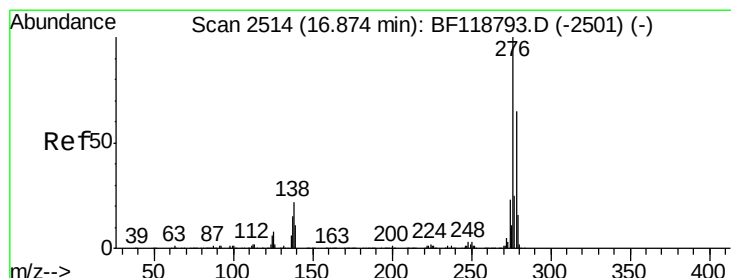
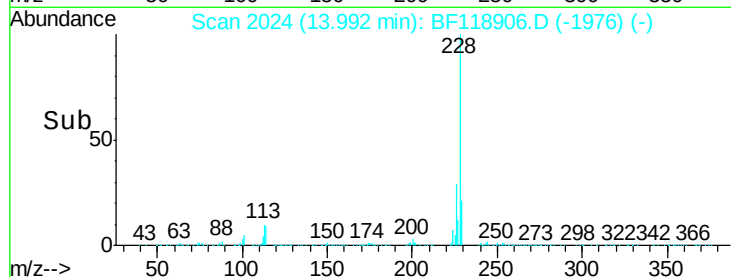
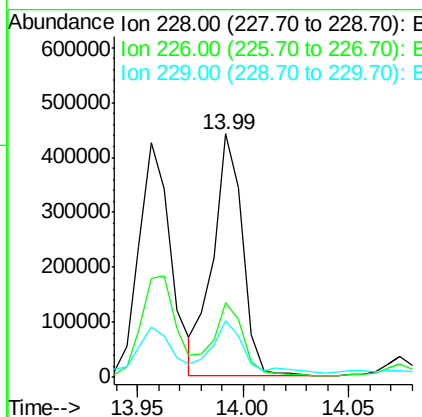
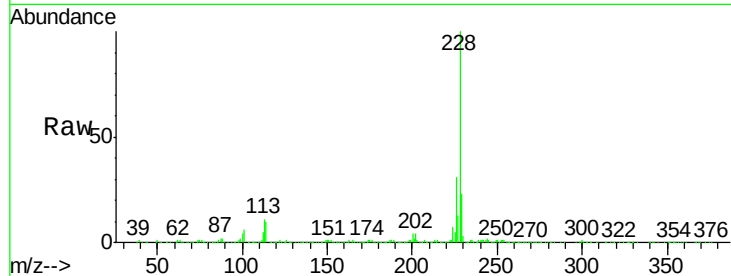
#83
Chrysene
Concen: 11.426 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	23.1	16.9	25.3

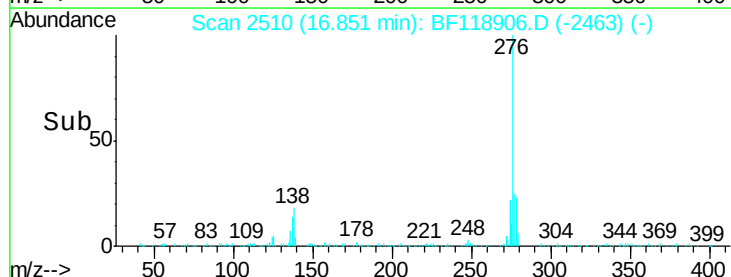
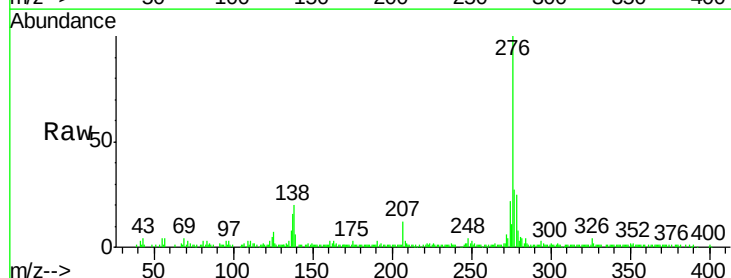
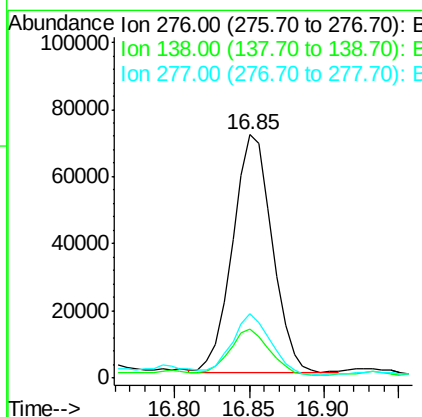
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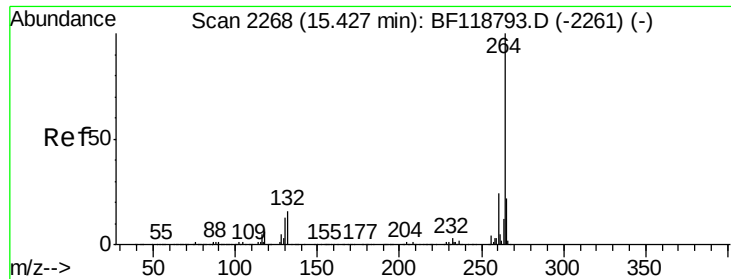
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.522 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.3	27.5
277	24.7	20.2	30.4





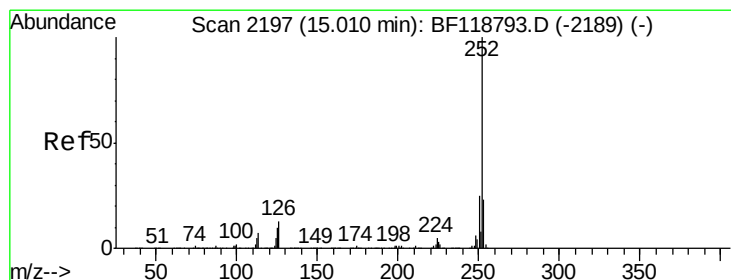
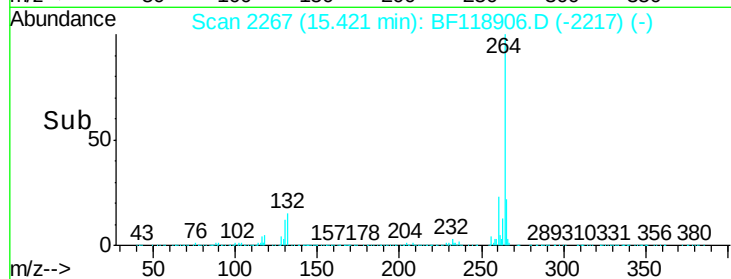
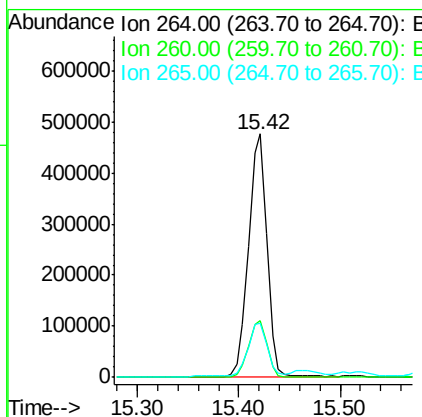
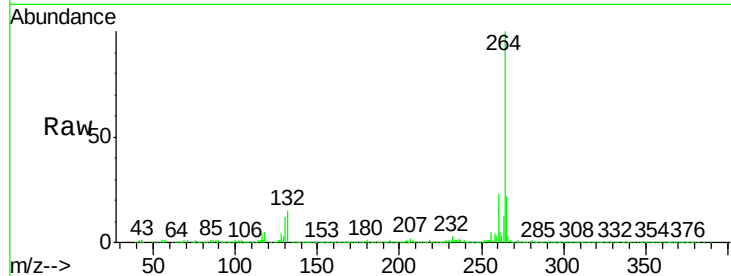
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	22.4	17.2	25.8

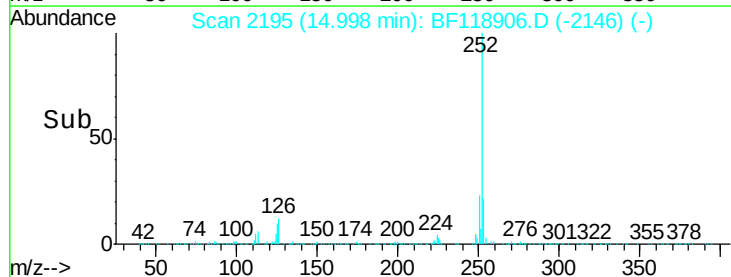
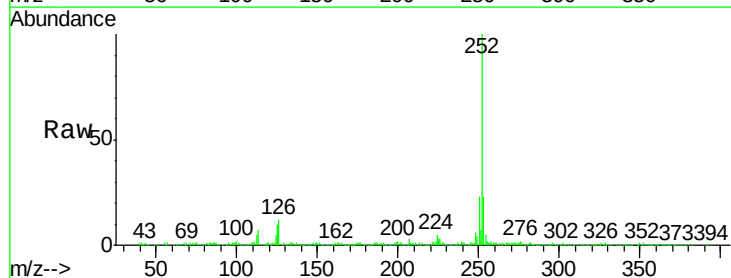
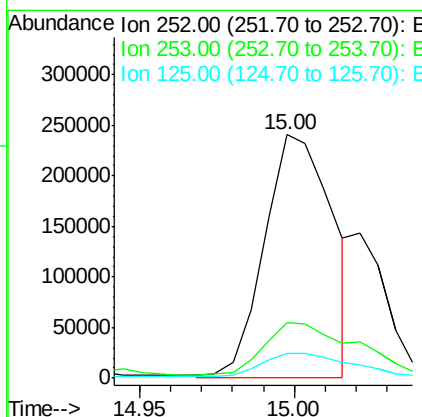
Manual Integrations
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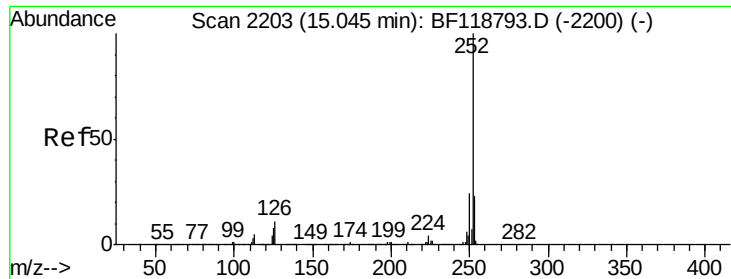
mohammad
2/12/2020 3:51:33 PM



#88
Benzo(b)fluoranthene
Concen: 9.880 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	10.0	8.1	12.1





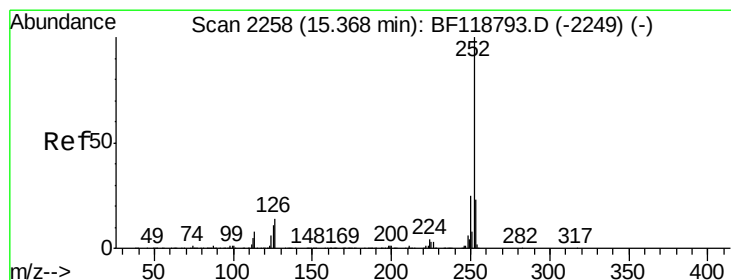
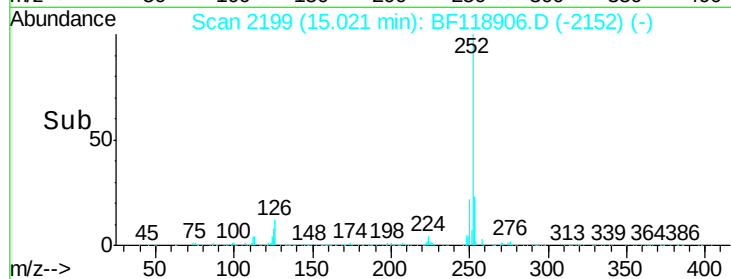
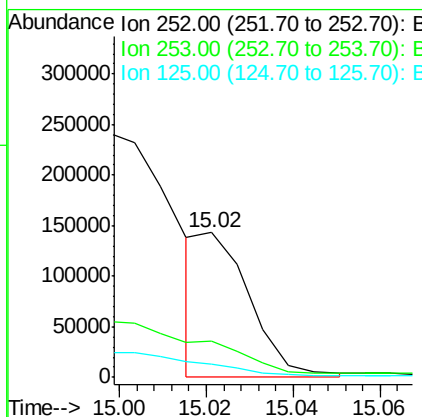
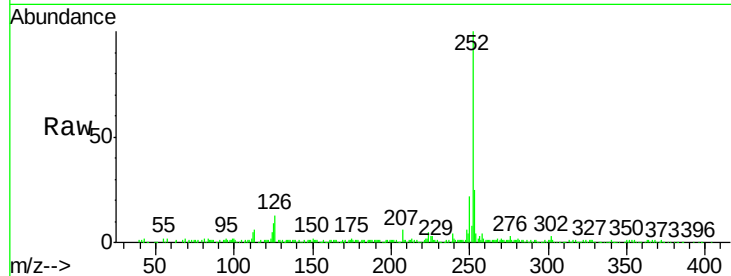
#89
Benzo(k)fluoranthene
Concen: 3.527 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Instrument :
BNA_F
ClientSampleId :
TP11-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	9.0	7.0	10.6

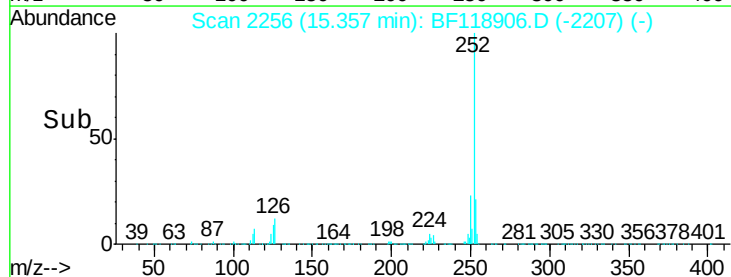
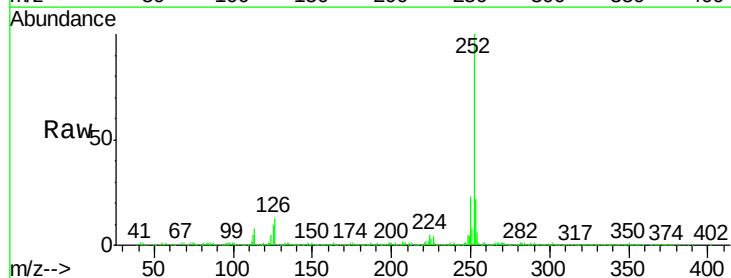
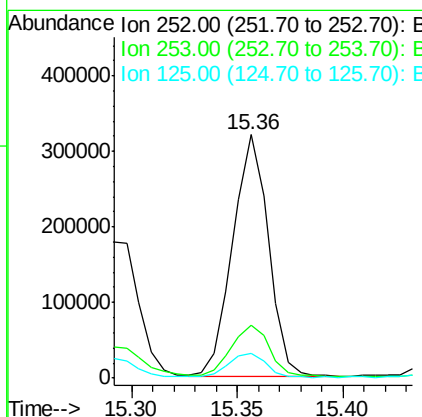
Manual Integrations
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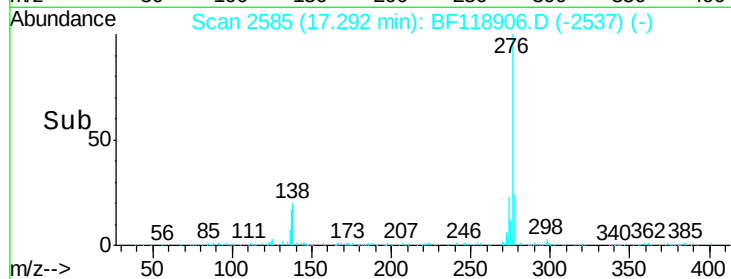
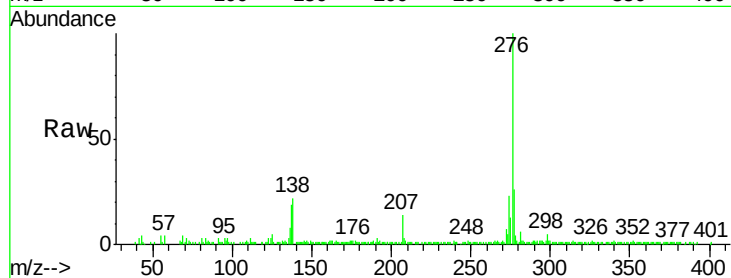
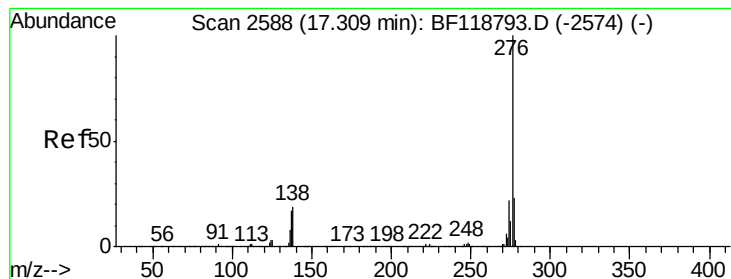
mohammad
2/12/2020 3:51:33 PM



#90
Benzo(a)pyrene
Concen: 11.700 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118906.D
Acq: 12 Feb 2020 1:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	10.0	8.7	13.1





#92

Benzo(a,h,i)perylene

Concen: 4.983 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.02 min

Lab File: BF118906.D

Acq: 12 Feb 2020 1:49

Tot Ion:	276	Resp:	136132
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.7	28.1
138	21.8	15.4	23.2

Instrument :

BNA_F

ClientSampleId :

TP11-EP1-2.5DL

Manual Integrations
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