

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\
 Data File : BF118719.D
 Acq On : 27 Jan 2020 14:36
 Operator : CG/JU
 Sample : L1238-01DL 250X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLIFTON-POLESDL

Manual Integrations
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Quant Time: Jan 27 15:33:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	327572	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1236191	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	662426	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1192968	20.00	ng	0.00
76) Chrysene-d12	14.02	240	802618	20.00	ng	0.00
87) Perylene-d12	15.47	264	698790	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	9499	0.54	ng	-0.01
7) Phenol-d6	6.47	99	12183	0.53	ng	-0.02
23) Nitrobenzene-d5	7.41	82	7314	0.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	3241	0.42	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	15891	0.39	ng	-0.01
79) Terphenyl-d14	12.96	244	20076	0.55	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.16	128	1934513	34.642	ng	100
37) 2-Methylnaphthalene	8.85	142	921155	23.369	ng	99
38) 1-Methylnaphthalene	8.95	142	426192	11.381	ng	98
46) 1,1'-Biphenyl	9.32	154	274338	6.009	ng	98
52) Acenaphthene	9.93	154	645806	17.841	ng	99
55) Dibenzofuran	10.10	168	1152864	22.982	ng	97
58) Fluorene	10.45	166	1383526	35.131	ng	100
71) Phenanthrene	11.41	178	3669405	63.756	ng	97
72) Anthracene	11.47	178	4679154	82.164	ng	96
73) Carbazole	11.61	167	1775089	33.982	ng	100
75) Fluoranthene	12.59	202	1975544	32.545	ng	100
78) Pyrene	12.82	202	1428409	26.214	ng	98
81) Benzo(a)anthracene	14.00	228	481739	9.978	ng	99
83) Chrysene	14.04	228	401362	8.674	ng	96
88) Benzo(b)fluoranthene	15.05	252	272128m	6.195	ng	
90) Benzo(a)pyrene	15.41	252	157945	4.168	ng	99
92) Benzo(a,h,i)perylene	17.37	276	65355	2.008	ng	97

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

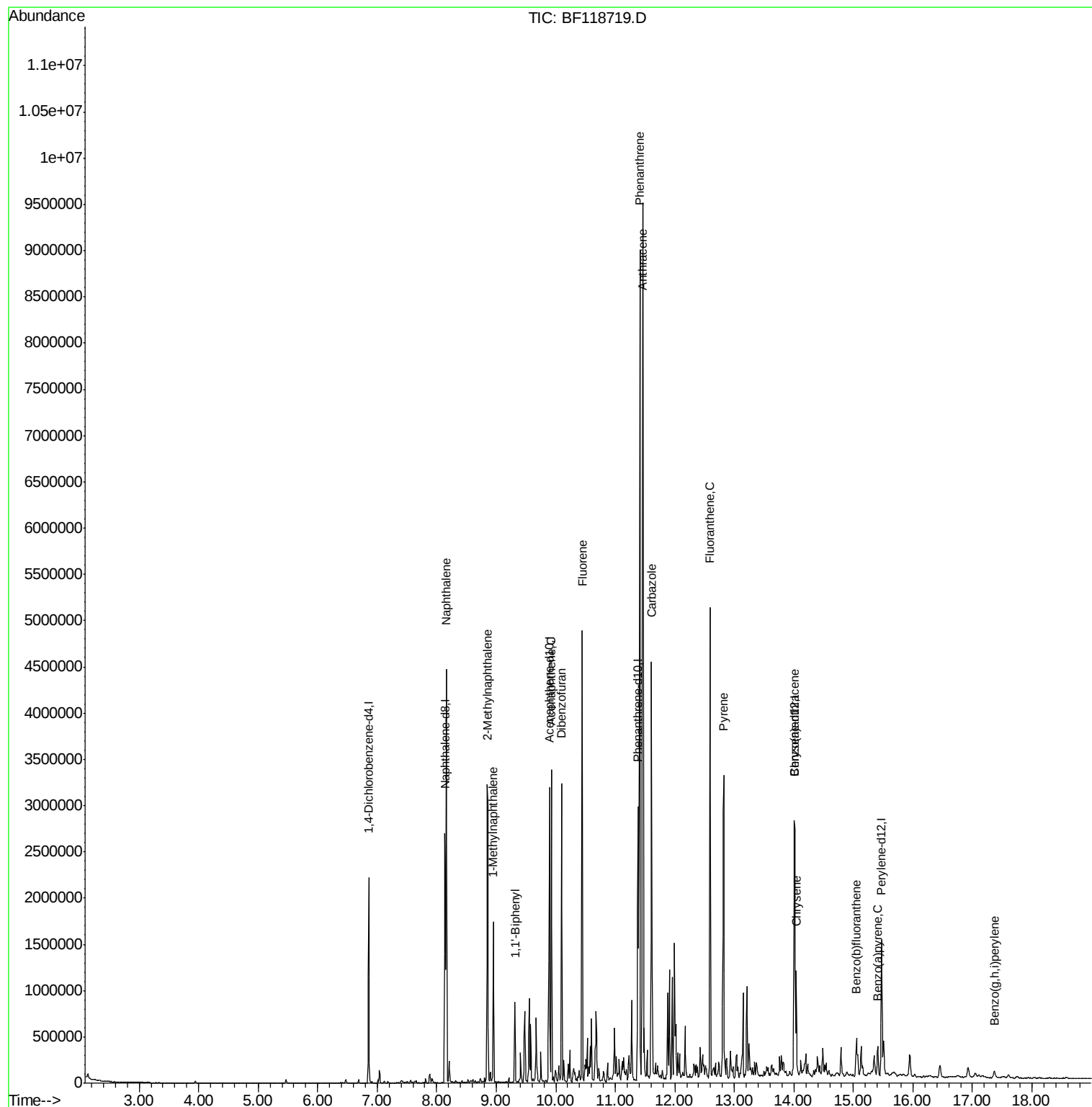
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\
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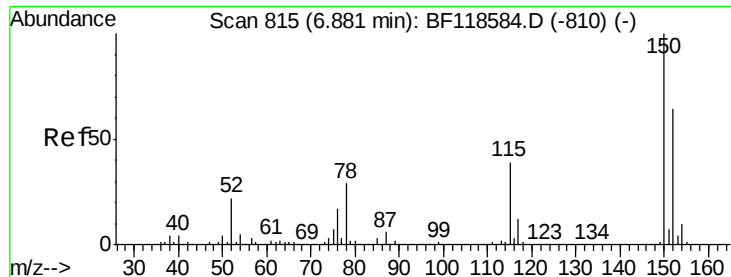
Instrument :
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#1

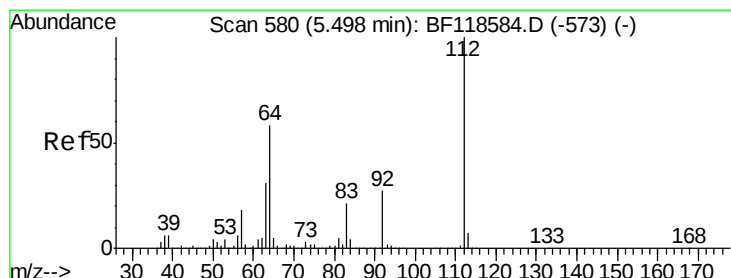
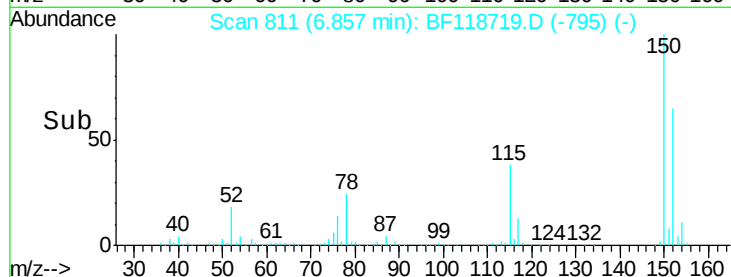
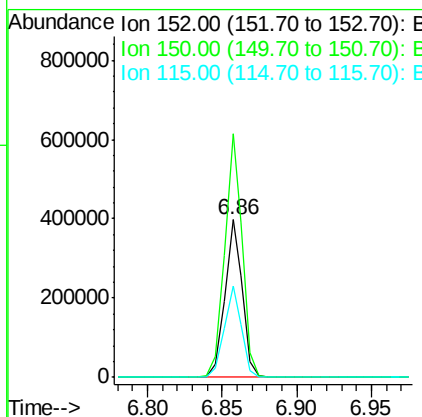
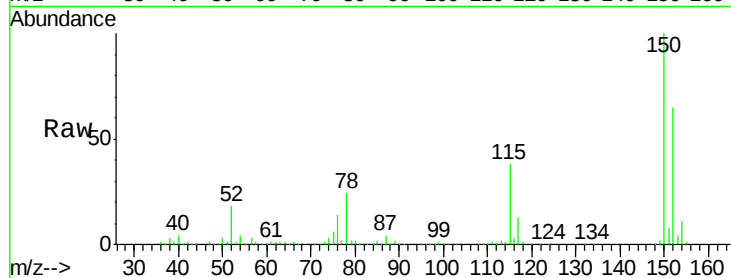
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.7	185.5
115	58.1	45.1	67.7

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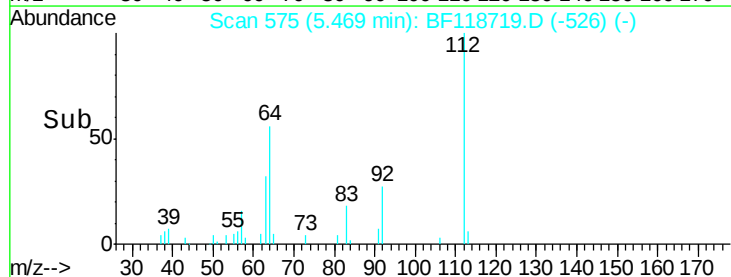
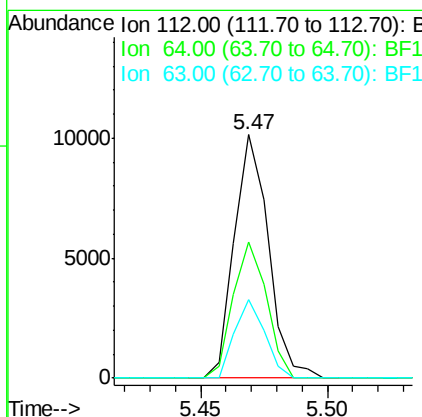
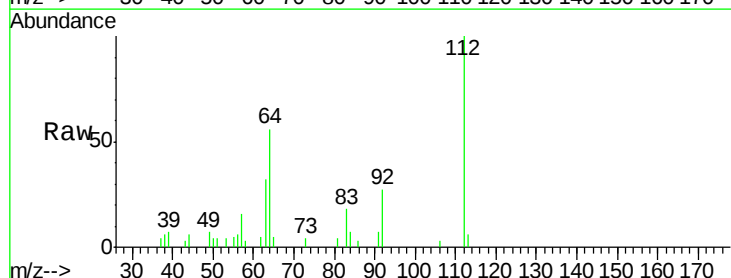
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#5

2-Fluorophenol
Concen: 0.539 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	42.4	63.6
63	32.4	21.7	32.5





#7

Phenol-d6

Concen: 0.531 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118719.D

Acq: 27 Jan 2020 14:36

Instrument :

BNA_F

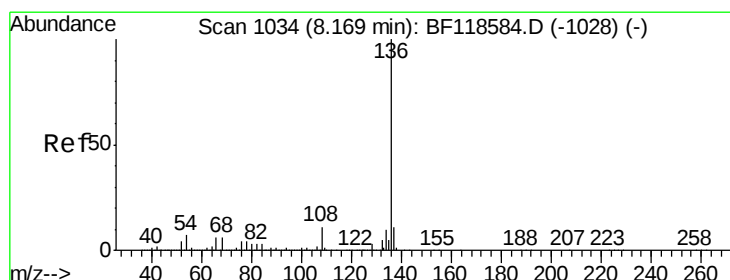
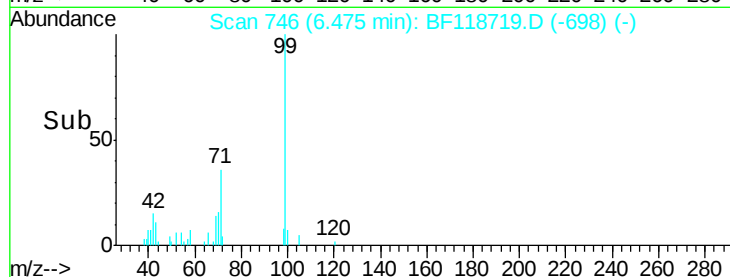
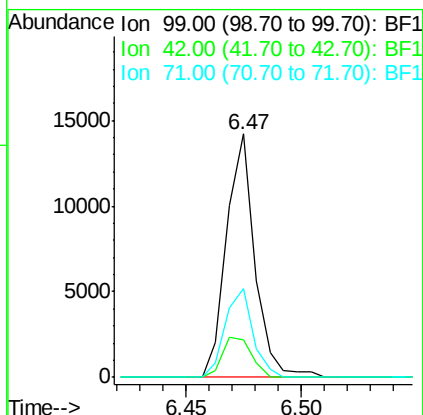
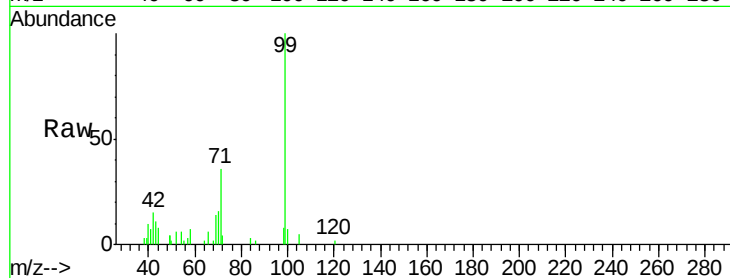
ClientSampleId :

CLIFTON-POLESDL

Tot Ion:	99	Resp:	12183
Ion Ratio	Lower	Upper	
99	100		
42	15.4	13.1	19.7
71	36.5	28.4	42.6

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#21

Naphthalene-d8

Concen: 20.000 ng

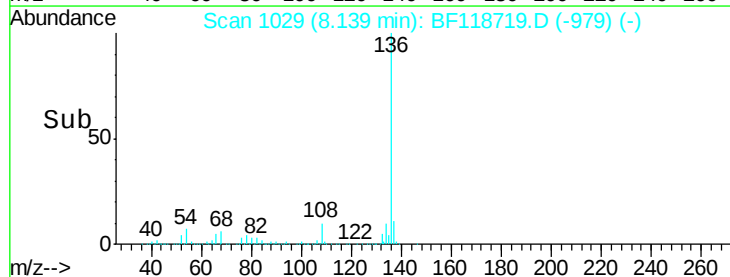
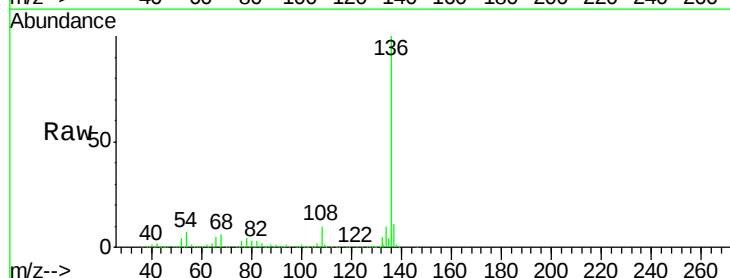
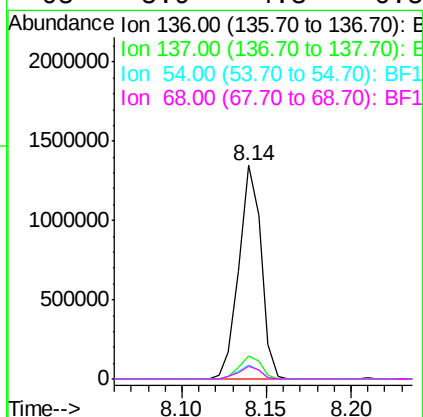
RT: 8.14 min Scan# 1029

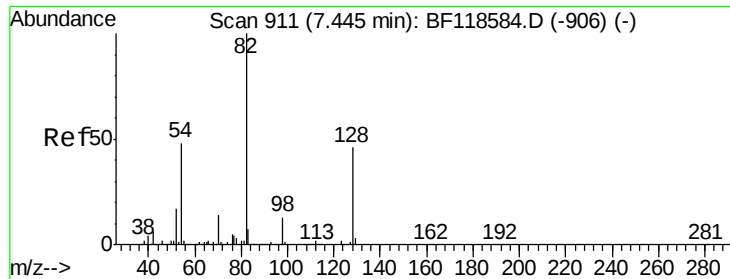
Delta R.T. -0.01 min

Lab File: BF118719.D

Acq: 27 Jan 2020 14:36

Tgt Ion:	136	Resp:	1236191
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	6.8	5.1	7.7
68	5.9	4.3	6.5





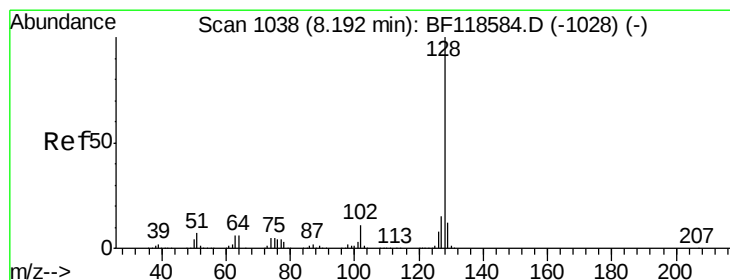
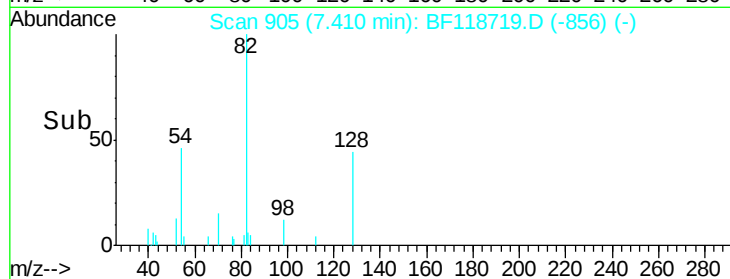
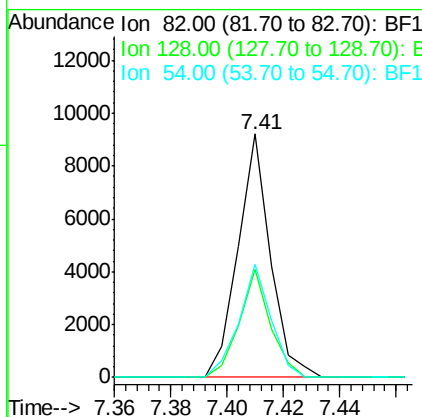
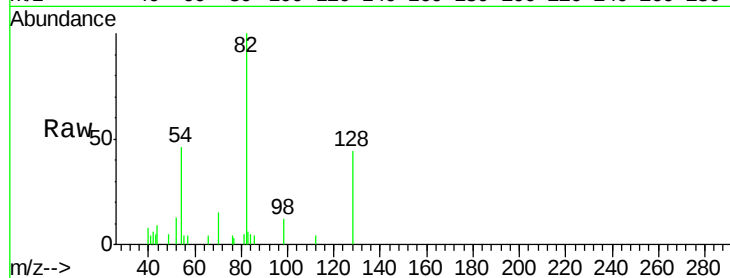
#23
Nitrobenzene-d5
Concen: 0.331 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion:	82	Resp:	7314
Ion	Ratio	Lower	Upper
82	100		
128	44.4	38.2	57.2
54	46.5	36.1	54.1

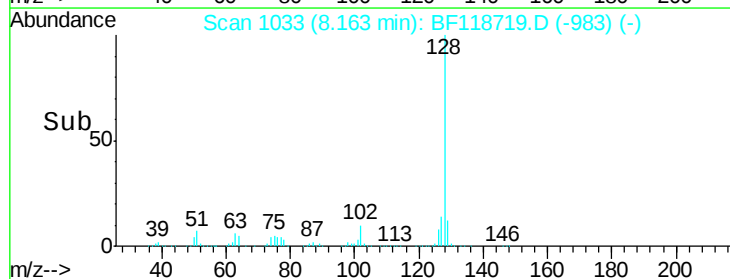
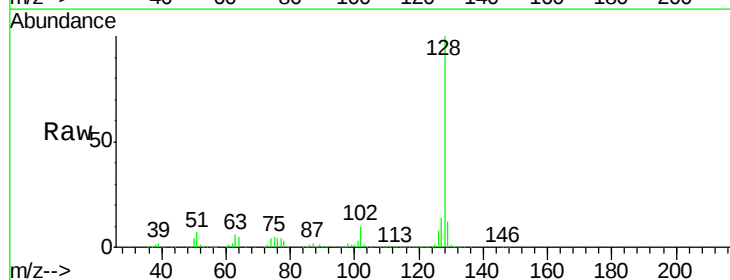
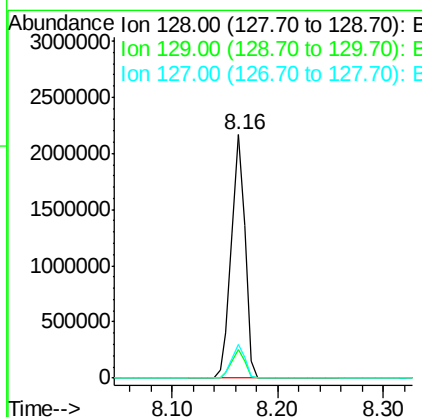
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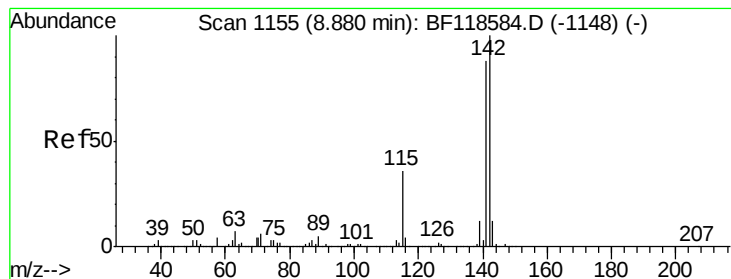
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#31
Naphthalene
Concen: 34.642 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion:	128	Resp:	1934513
Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.0
127	14.1	11.3	16.9





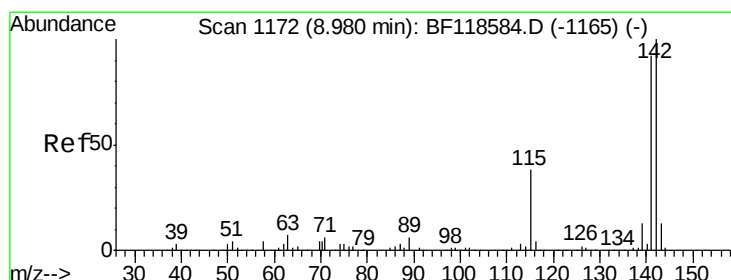
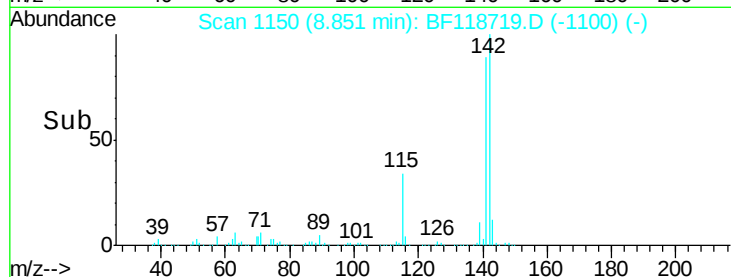
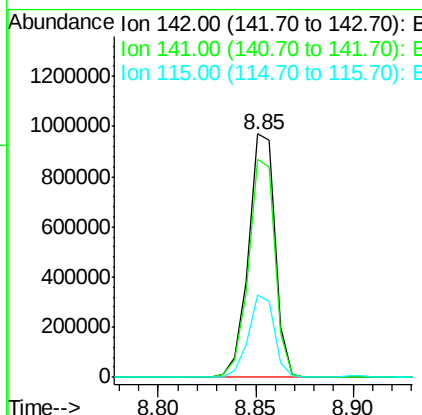
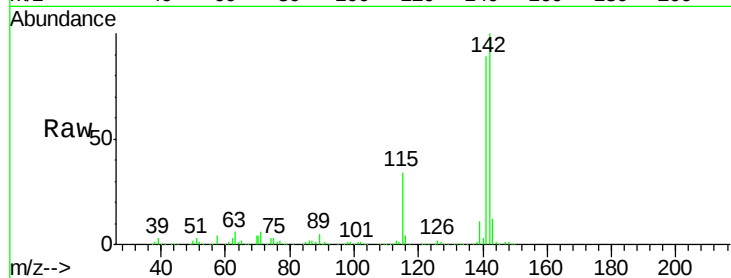
#37
2-Methylnaphthalene
Concen: 23.369 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.0
115	33.7	27.5	41.3

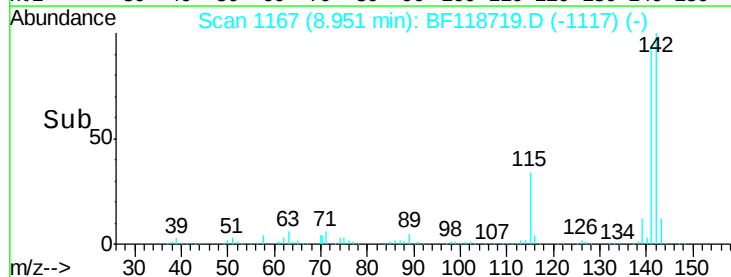
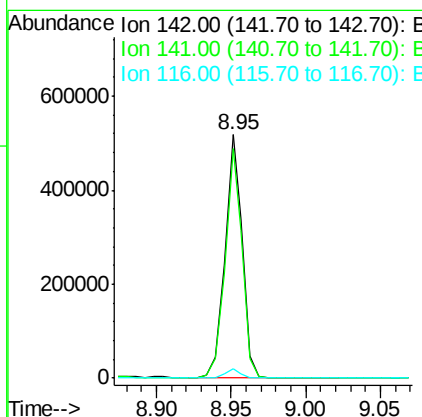
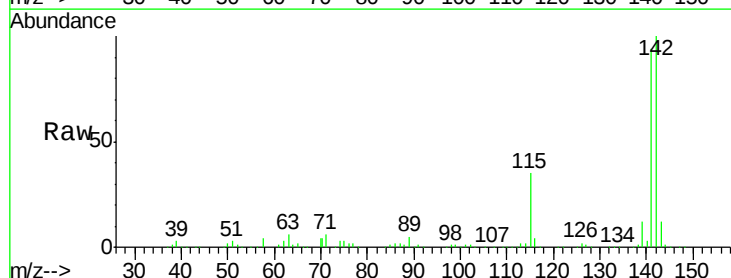
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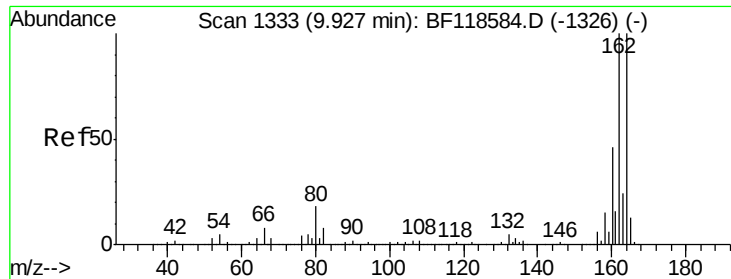
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#38
1-Methylnaphthalene
Concen: 11.381 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.2	73.5	110.3
116	3.7	3.0	4.6





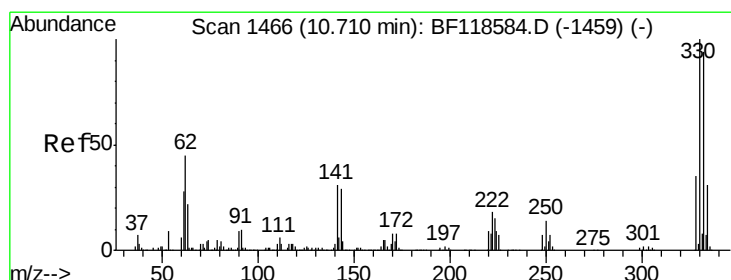
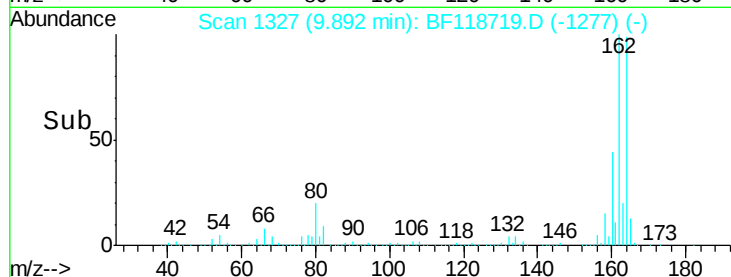
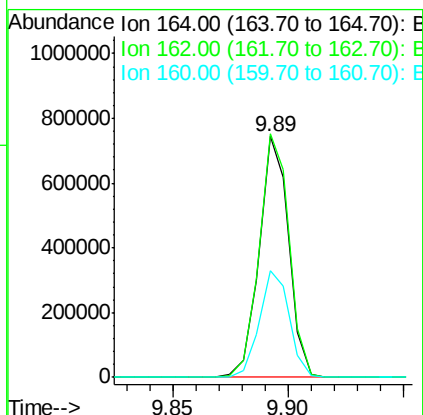
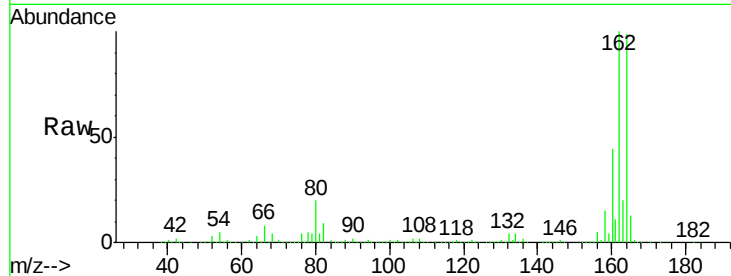
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.8	121.2
160	44.2	35.4	53.0

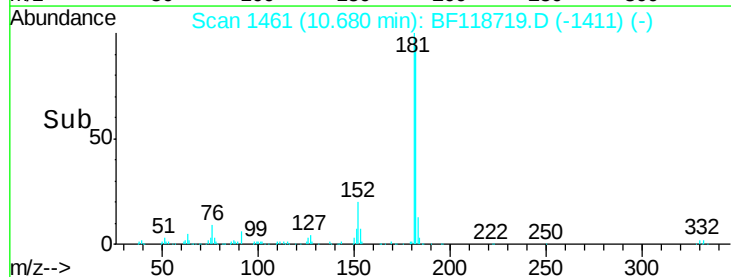
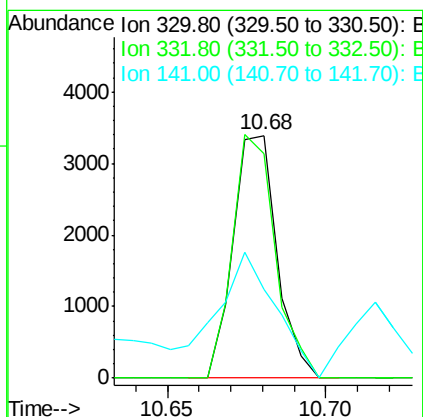
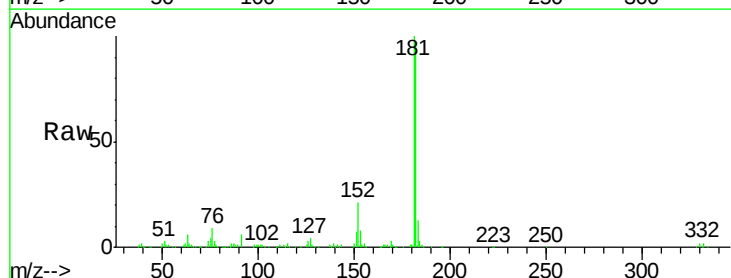
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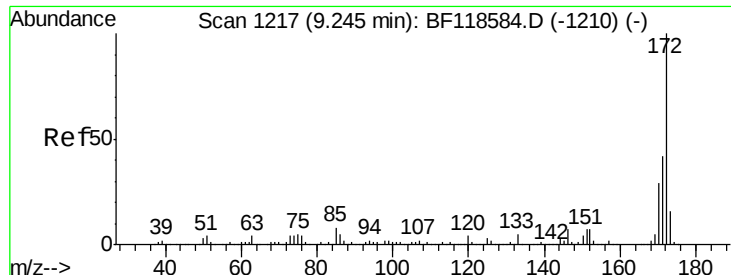
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#42
2,4,6-Tribromophenol
Concen: 0.423 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.6	116.4
141	71.2	22.2	33.2#





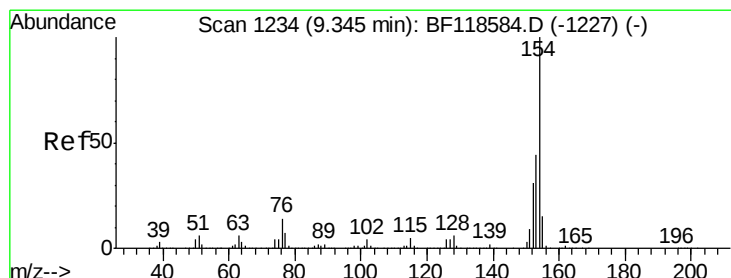
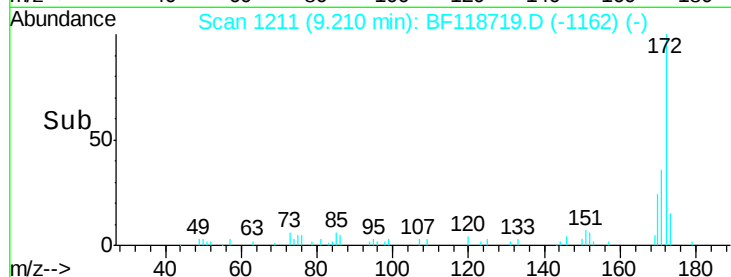
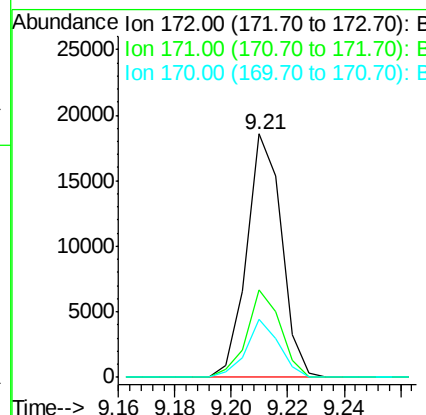
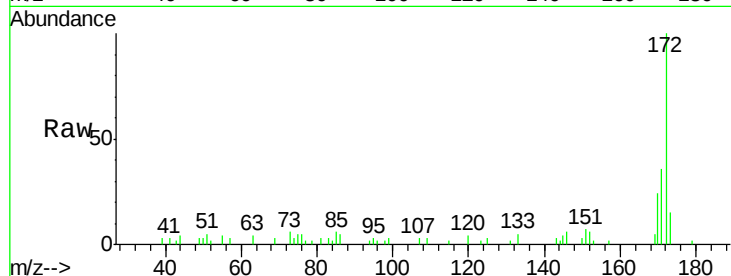
#45
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POESDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	31.0	46.4
170	23.6	20.7	31.1

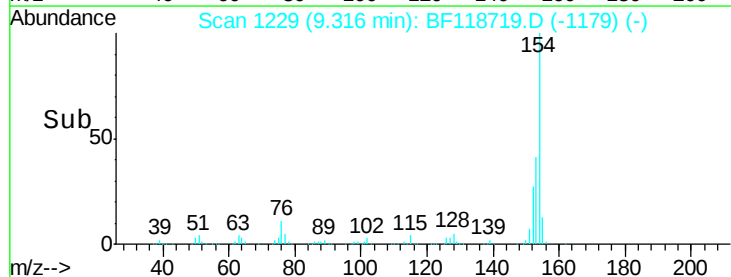
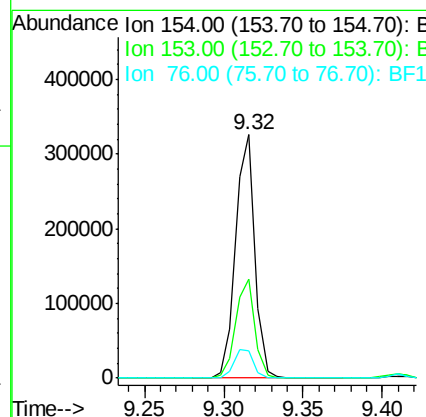
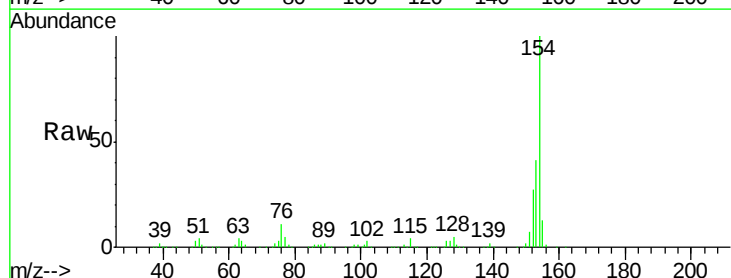
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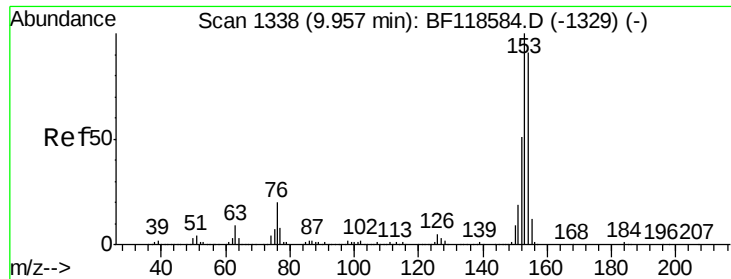
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#46
1,1'-Biphenyl
Concen: 6.009 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	22.3	62.3
76	11.4	0.0	32.0





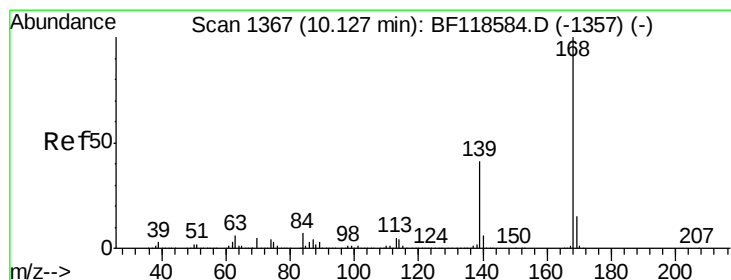
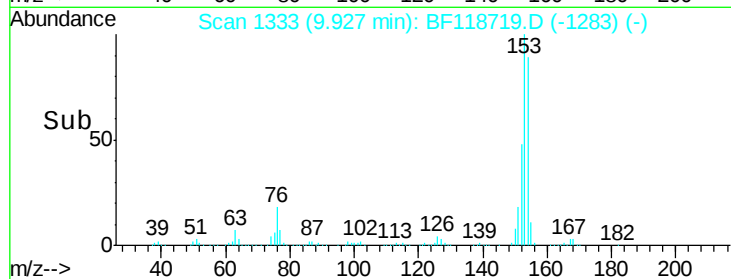
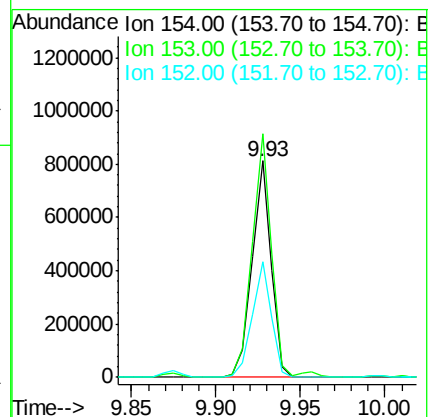
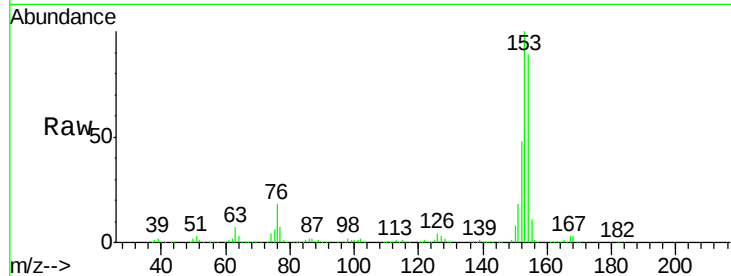
#52
Acenaphthene
Concen: 17.841 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.1	133.7
152	53.6	43.0	64.6

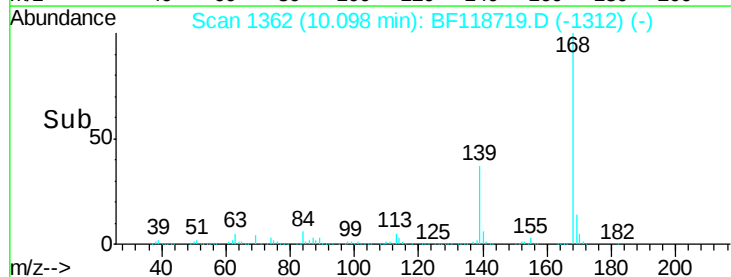
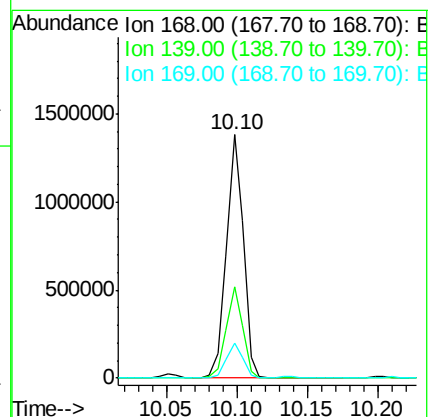
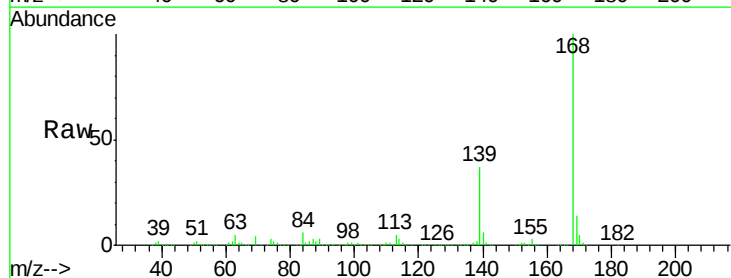
Manual Integrations
APPROVED

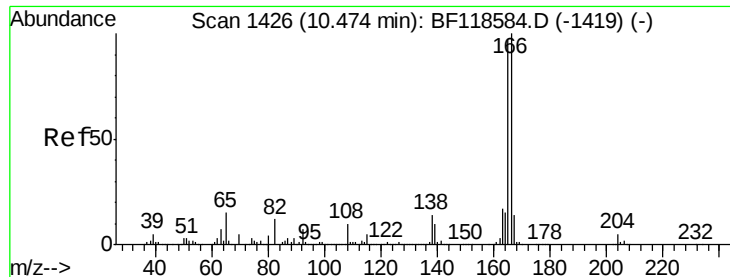
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#55
Dibenzofuran
Concen: 22.982 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.4	31.6	47.4
169	14.3	11.4	17.0





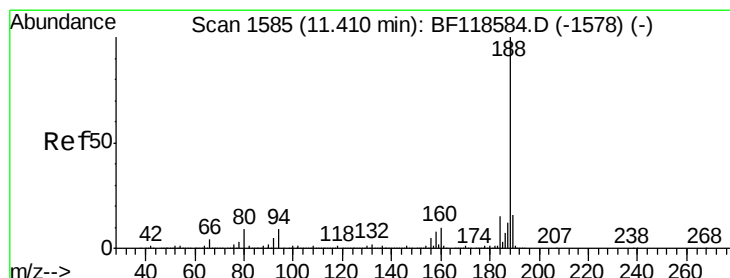
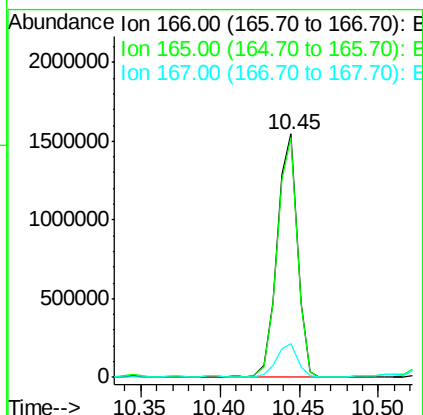
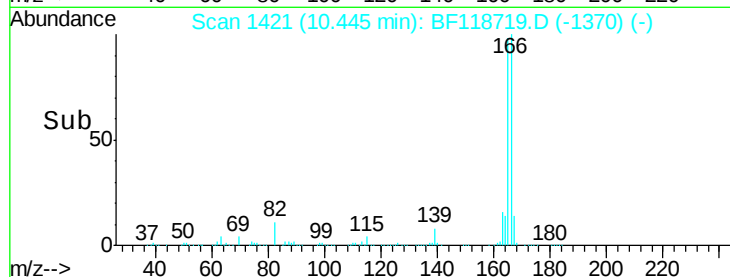
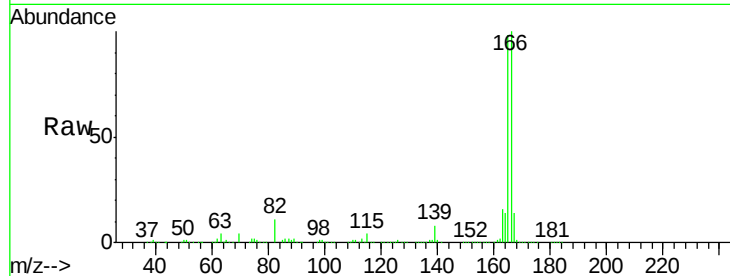
#58
 Fluorene
 Concen: 35.131 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.00 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CLIFTON-POLESDL

Tot Ion:166 Resp: 1383526
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.6 118.0
 167 13.7 11.4 17.2

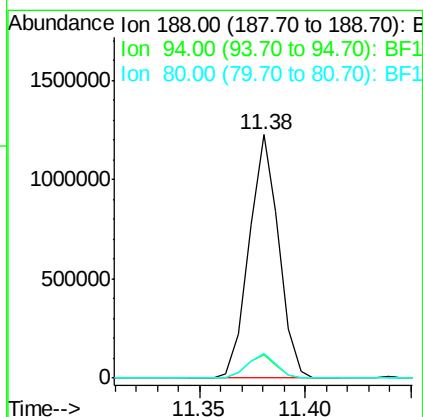
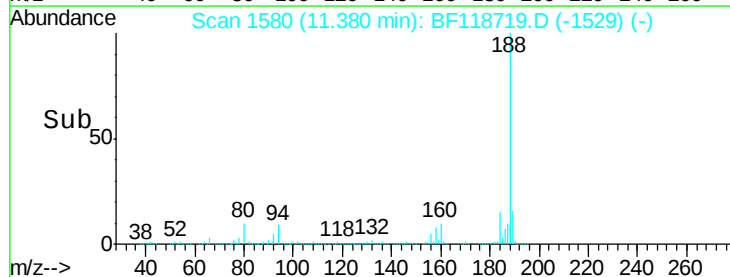
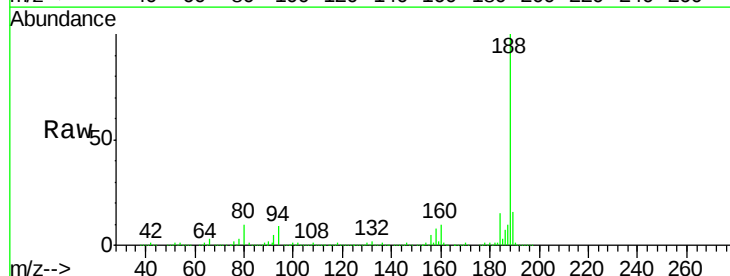
Manual Integrations
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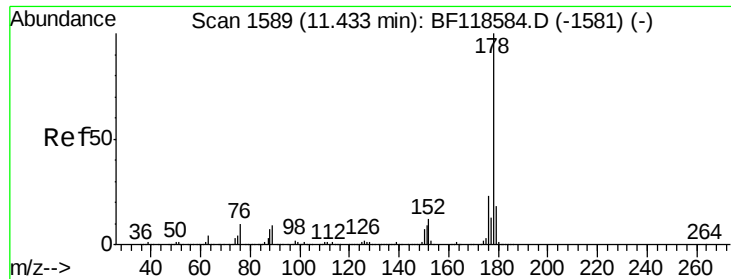
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Tgt Ion:188 Resp: 1192968
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.4 11.2
 80 10.1 7.8 11.8





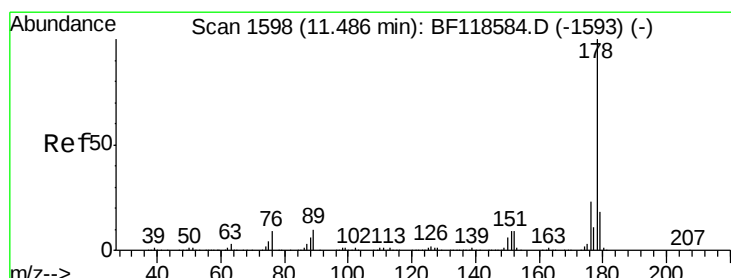
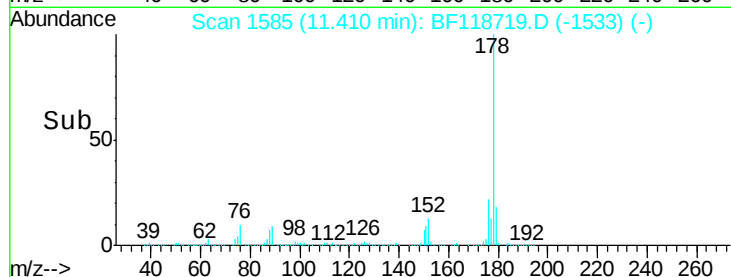
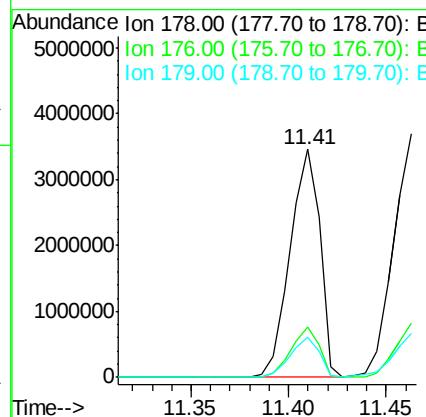
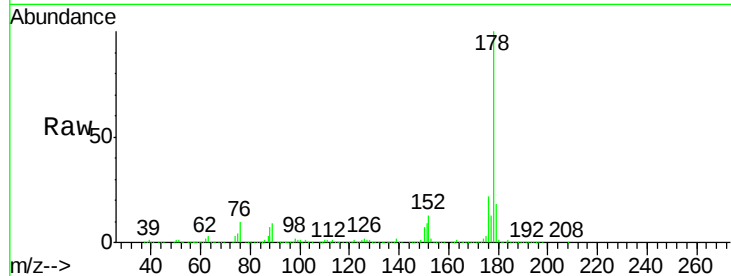
#71
Phenanthrene
Concen: 63.756 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POESDL

Tot Ion:178 Resp: 3669405
Ion Ratio Lower Upper
178 100
176 22.1 16.5 24.7
179 17.7 13.3 19.9

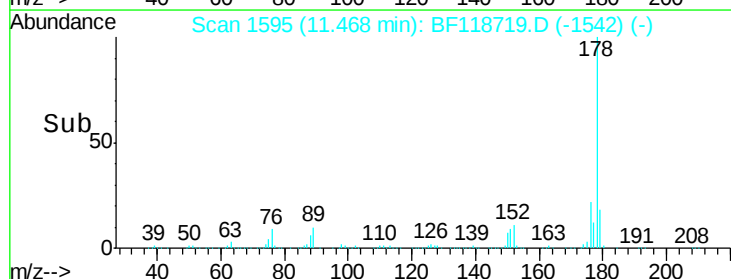
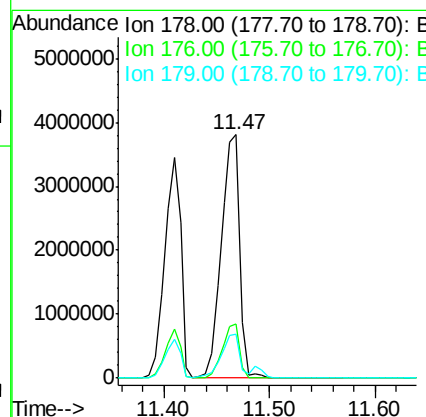
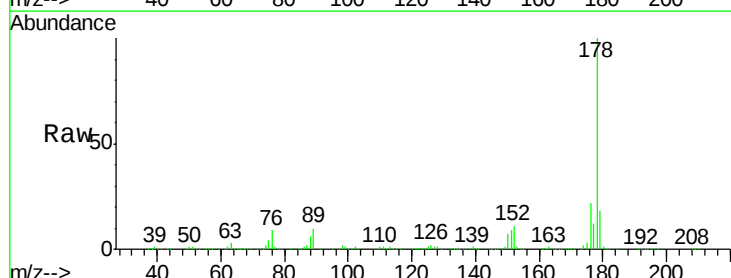
Manual Integrations
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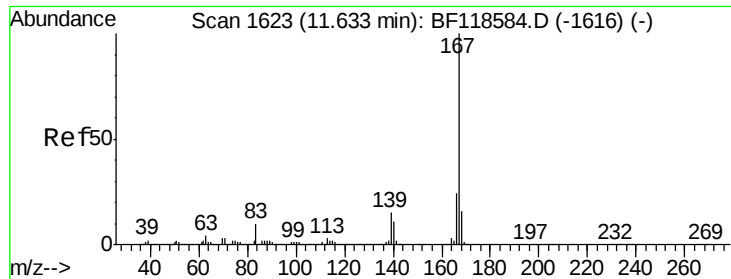
mohammad
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#72
Anthracene
Concen: 82.164 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion:178 Resp: 4679154
Ion Ratio Lower Upper
178 100
176 22.1 15.8 23.8
179 18.1 13.3 19.9





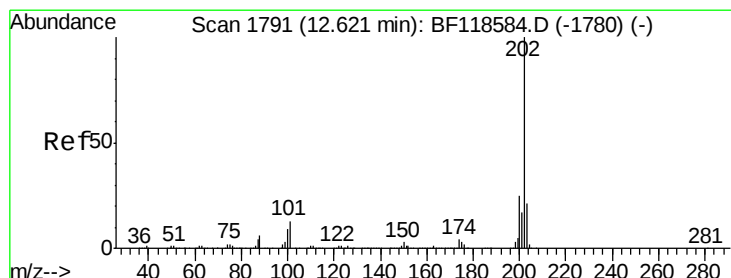
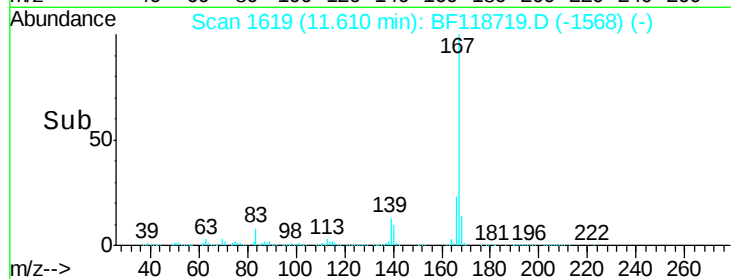
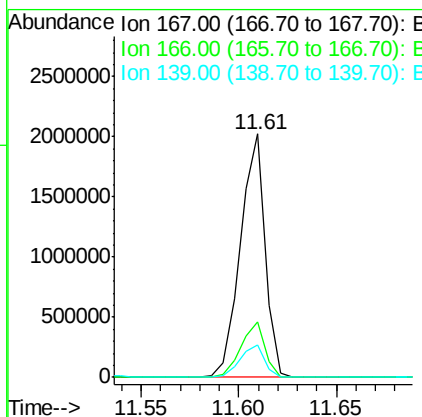
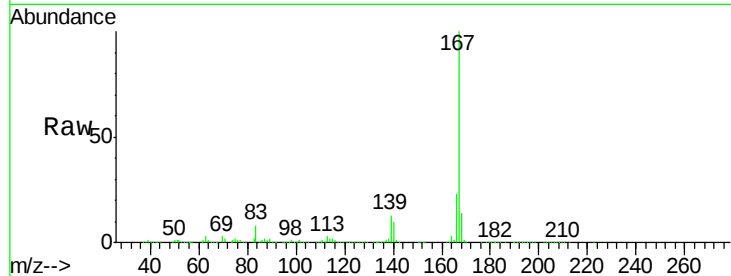
#73
 Carbazole
 Concen: 33.982 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.3	27.5
139	13.4	11.0	16.4

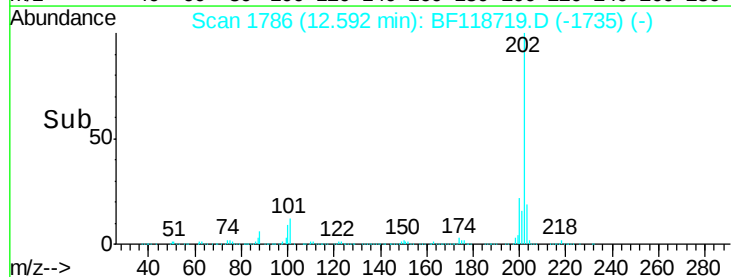
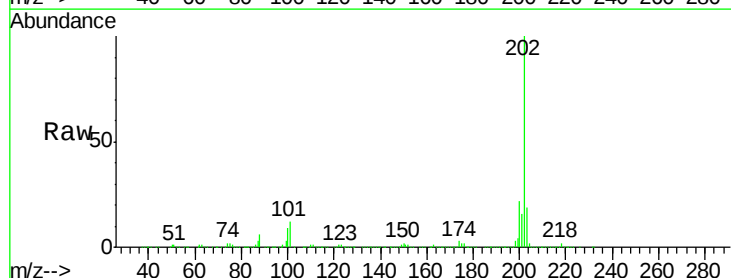
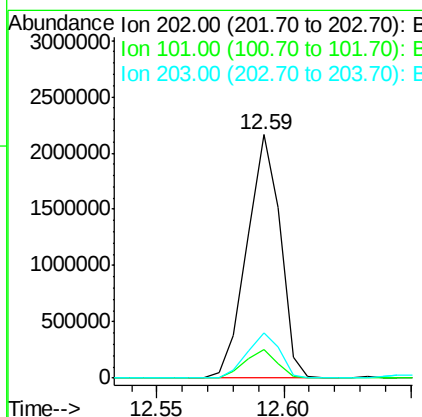
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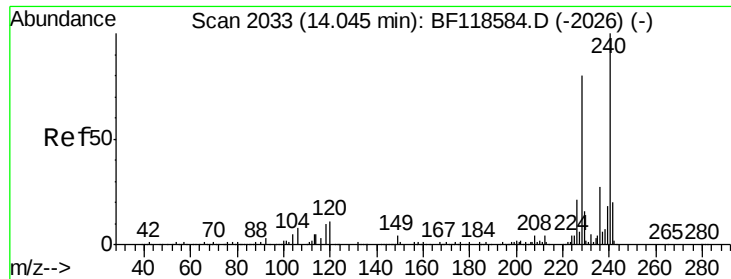
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#75
 Fluoranthene
 Concen: 32.545 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.1
203	18.8	0.0	38.9





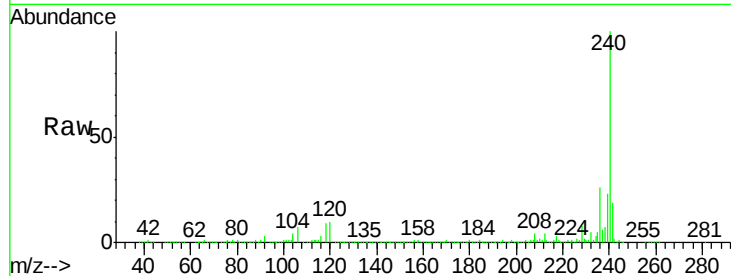
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

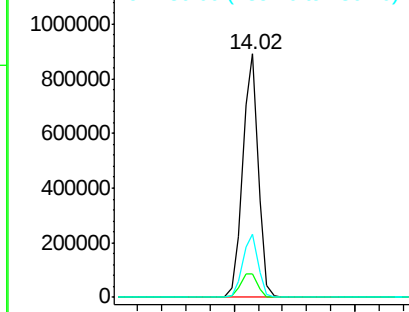
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.6	11.4
236	25.7	21.0	31.4

Manual Integrations
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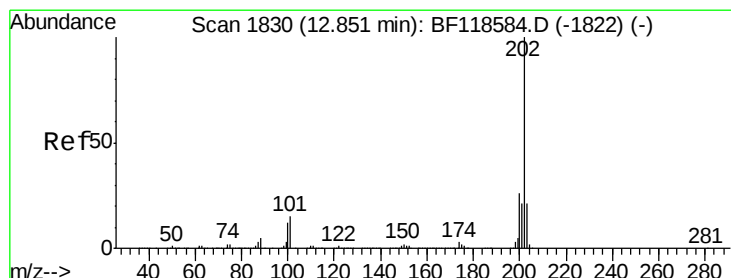
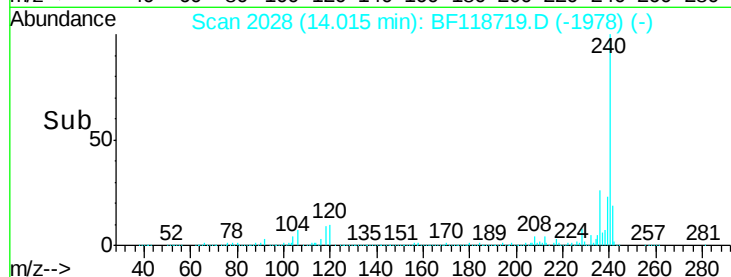
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



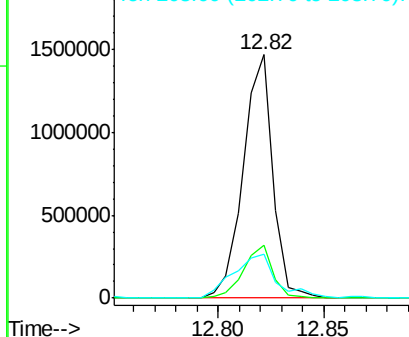
Time-->



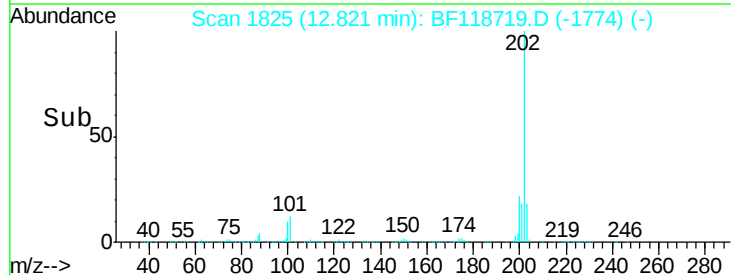
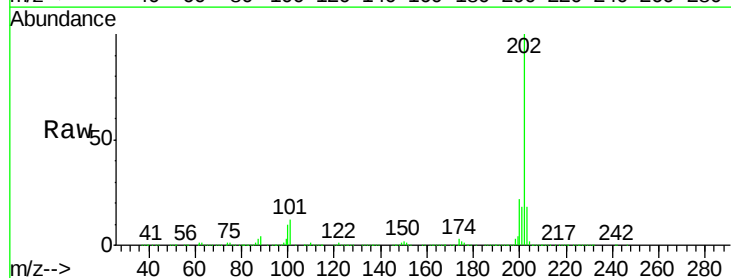
#78
Pyrene
Concen: 26.214 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

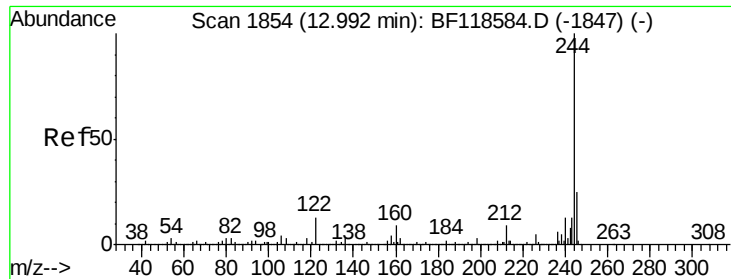
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.1	27.1
203	18.2	15.2	22.8

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



Time-->





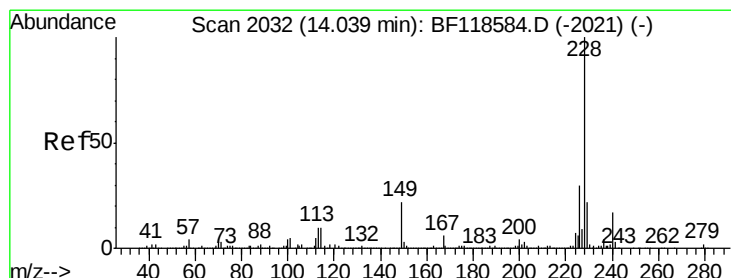
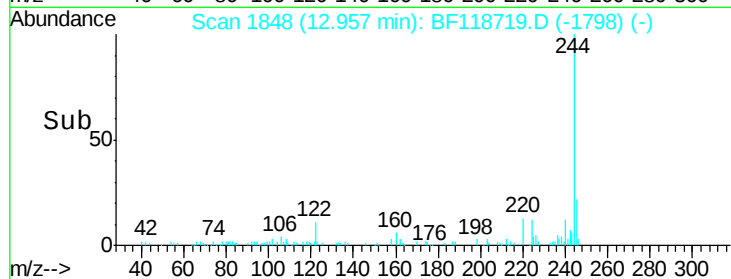
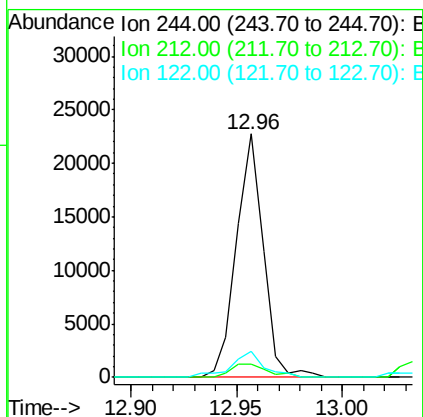
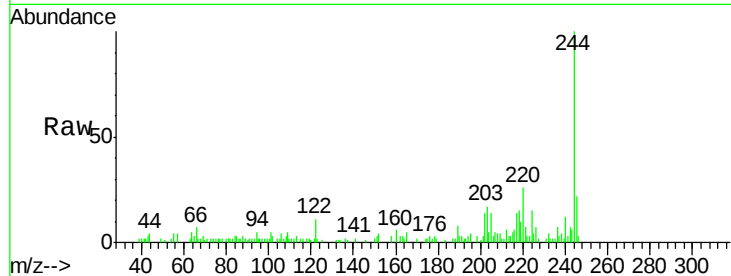
#79
 Terphenyl-d14
 Concen: 0.546 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.5	6.3	9.5#
122	10.8	9.2	13.8

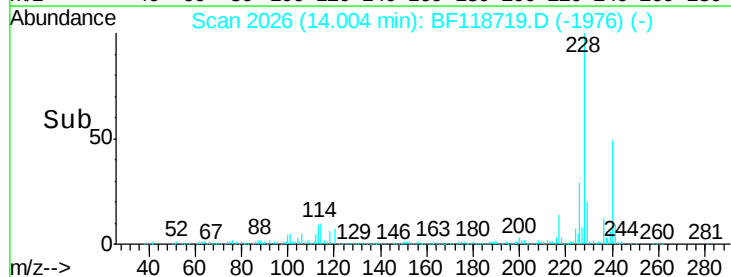
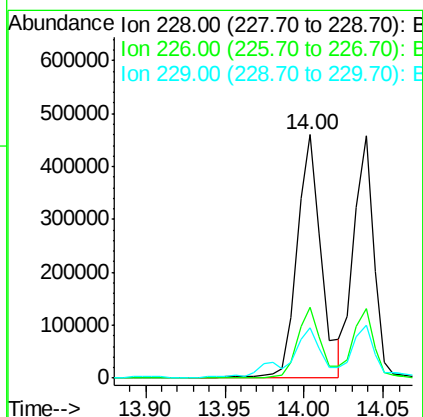
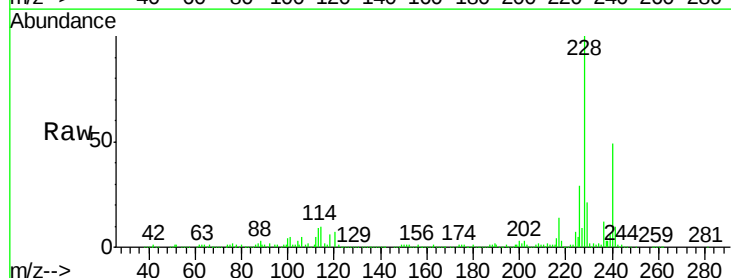
Manual Integrations
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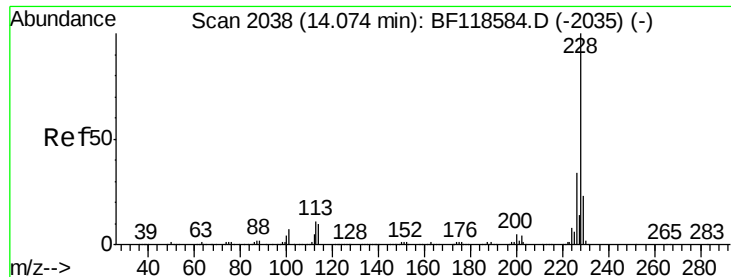
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#81
 Benzo(a)anthracene
 Concen: 9.978 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	34.0
229	20.6	16.6	25.0





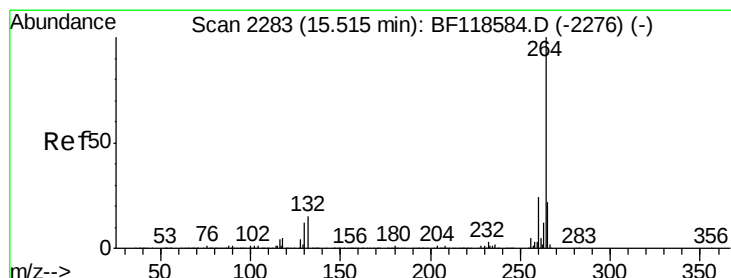
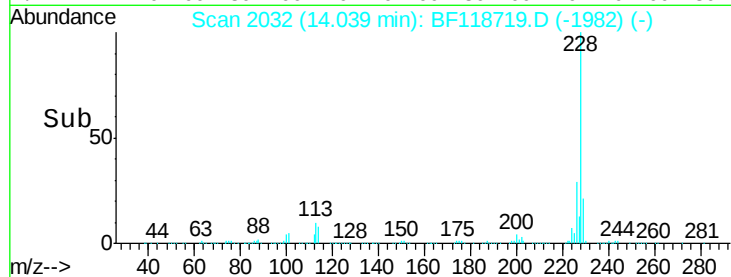
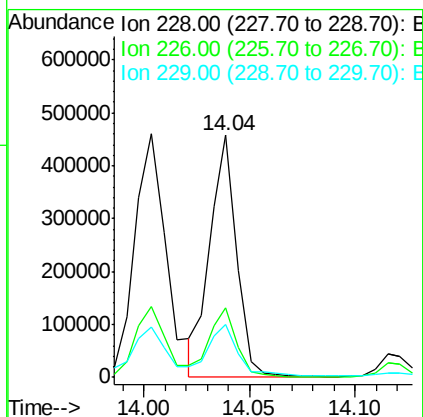
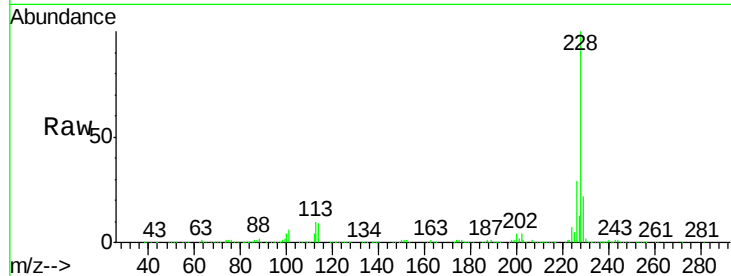
#83
Chrysene
Concen: 8.674 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.6	38.4
229	21.9	17.1	25.7

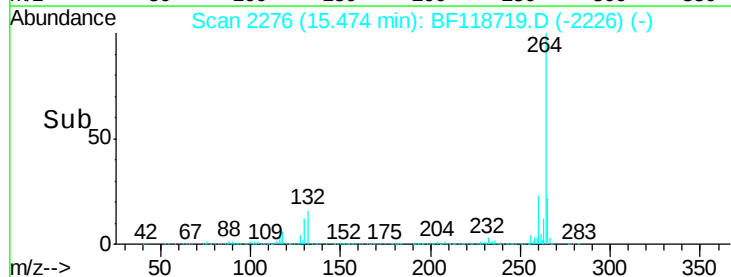
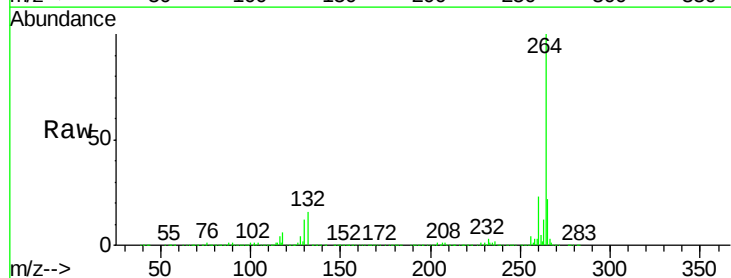
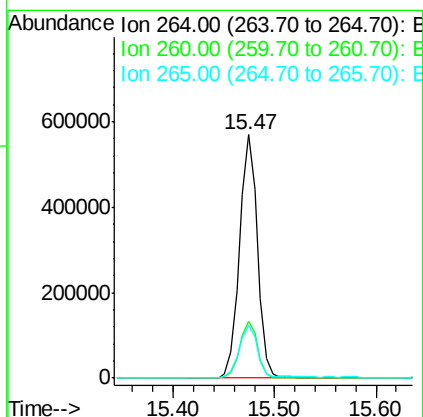
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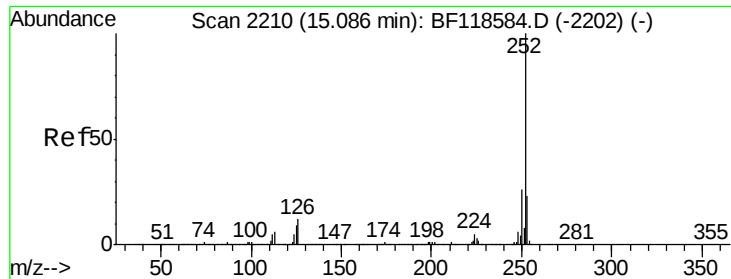
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	22.0	17.0	25.6





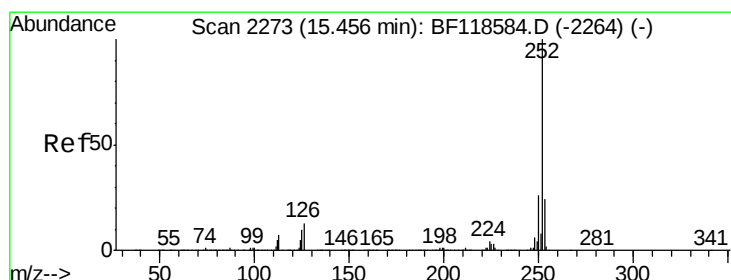
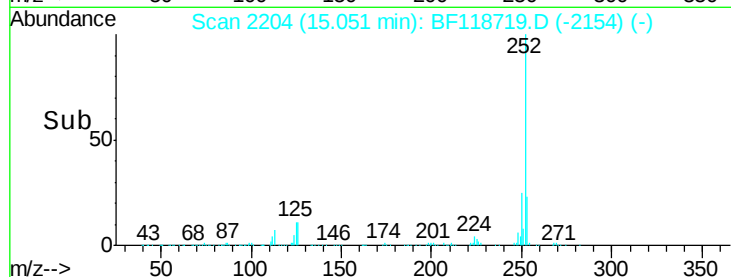
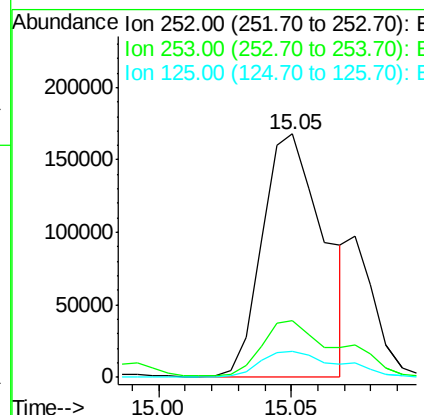
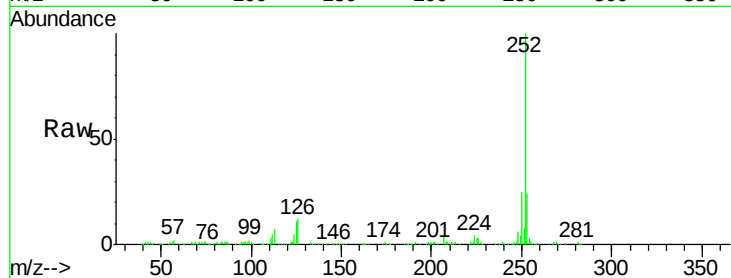
#88
Benzo(b)fluoranthene
Concen: 6.195 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Instrument :
BNA_F
ClientSampleId :
CLIFTON-POLESDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	10.9	7.7	11.5

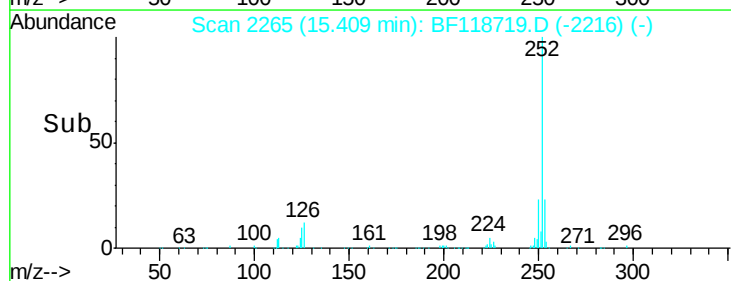
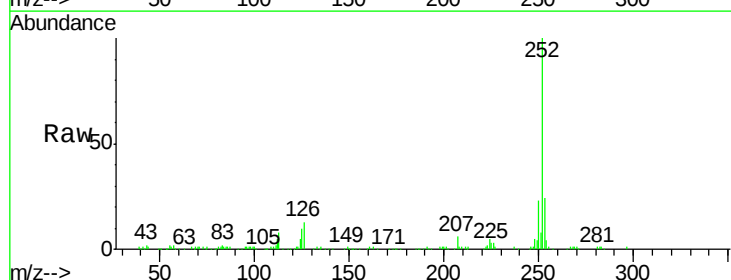
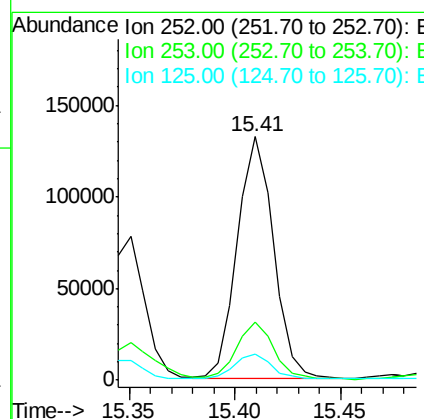
Manual Integrations
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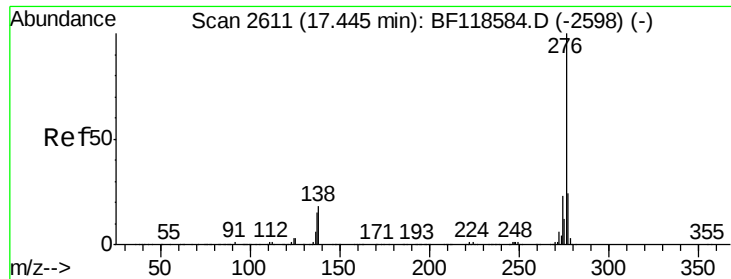
mohammad
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#90
Benzo(a)pyrene
Concen: 4.168 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF118719.D
Acq: 27 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	10.5	8.3	12.5





#92
 Benzo(a,h,i)perylene
 Concen: 2.008 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.02 min
 Lab File: BF118719.D
 Acq: 27 Jan 2020 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CLIFTON-POLESDL

Tot Ion:	276	Resp:	65355
Ion Ratio		Lower	Upper
276	100		
277	25.4	19.0	28.6
138	20.6	15.4	23.2

Manual Integrations
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