

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118868.D
 Acq On : 10 Feb 2020 13:41
 Operator : CG/JU
 Sample : L1468-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP2-3

Manual Integrations
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 2/13/2020 10:28:33 AM

Quant Time: Feb 11 00:33:39 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	6.82	152	189429	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	735031	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	411681	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	842111	20.00	ng	0.00
76) Chrysene-d12	13.97	240	771760	20.00	ng	-0.01
87) Perylene-d12	15.42	264	761383	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	955728	95.50	ng	0.00
7) Phenol-d6	6.45	99	1114481	89.71	ng	0.00
23) Nitrobenzene-d5	7.37	82	715666	58.03	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	443977	90.13	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1444344	62.72	ng	-0.01
79) Terphenyl-d14	12.92	244	2076954	55.28	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.12	128	272917	8.118	ng	98
37) 2-Methylnaphthalene	8.81	142	120281	5.159	ng	98
38) 1-Methylnaphthalene	8.90	142	120687	5.503	ng	99
52) Acenaphthene	9.88	154	133269	5.916	ng	99
55) Dibenzofuran	10.05	168	95831	2.944	ng	96
58) Fluorene	10.39	166	94003	3.838	ng	99
71) Phenanthrene	11.36	178	258034	6.228	ng	96
73) Carbazole	11.56	167	79457	2.197	ng	97
75) Fluoranthene	12.55	202	363938	8.045	ng	98
78) Pyrene	12.77	202	342546	6.470	ng	96
81) Benzo(a)anthracene	13.96	228	198836	4.330	ng	95
83) Chrysene	13.99	228	169851	3.685	ng	97
88) Benzo(b)fluoranthene	15.00	252	213740m	4.524	ng	
90) Benzo(a)pyrene	15.35	252	162876	4.028	ng	98
92) Benzo(a,h,i)perylene	17.28	276	77016	2.231	ng	98

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

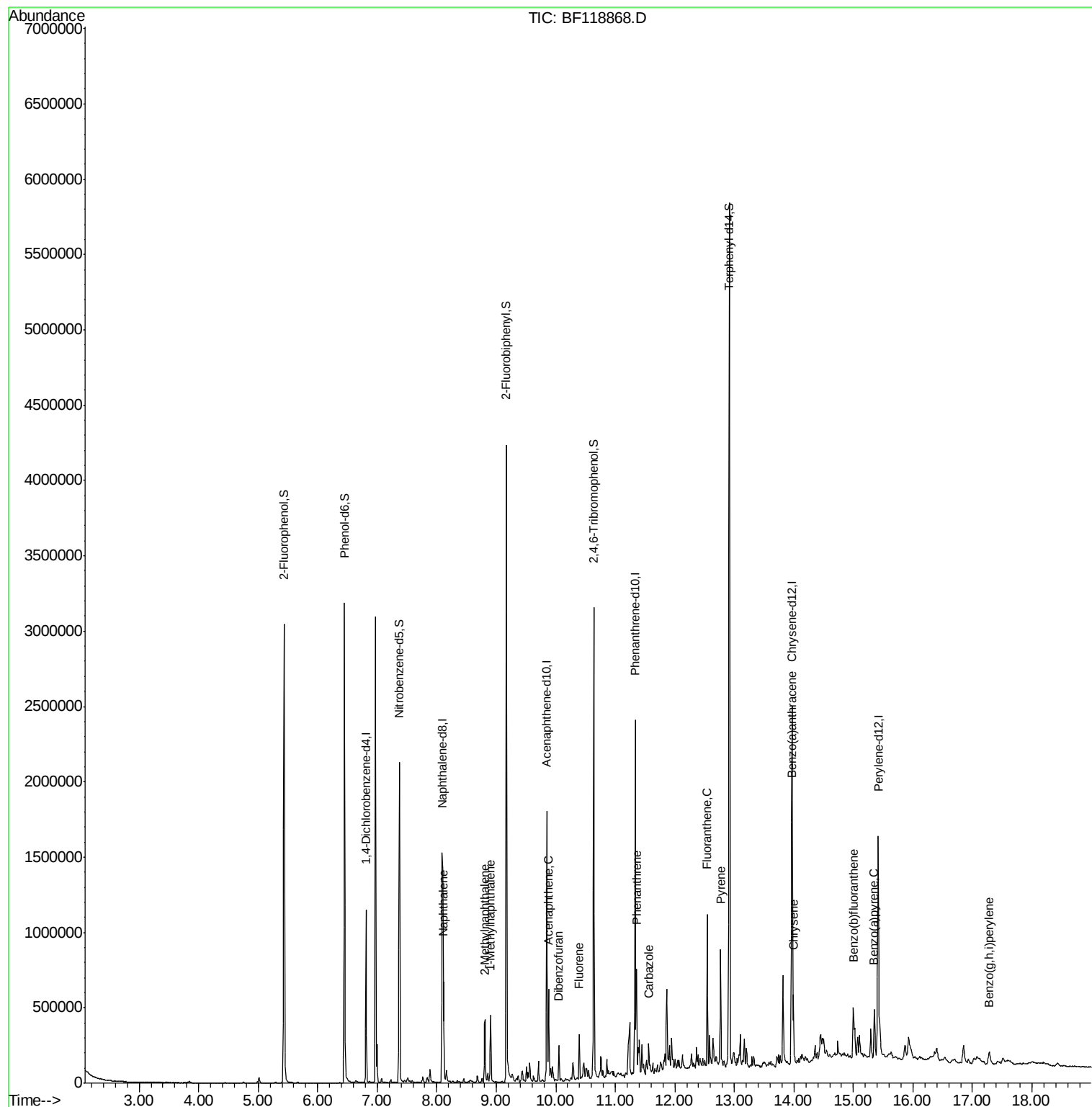
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118868.D
Acq On : 10 Feb 2020 13:41
Operator : CG/JU
Sample : L1468-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

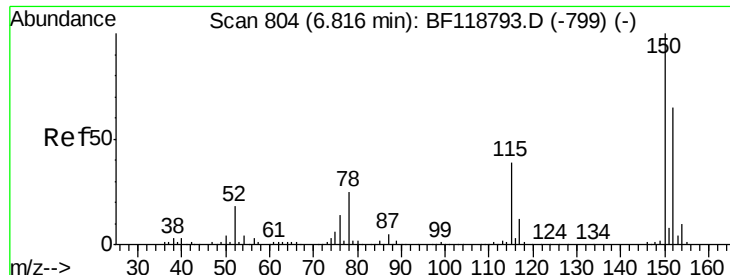
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Quant Time: Feb 11 00:33:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





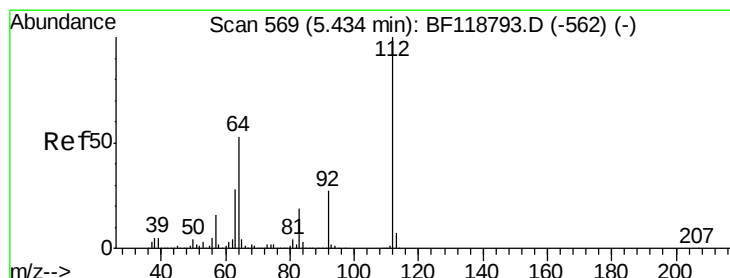
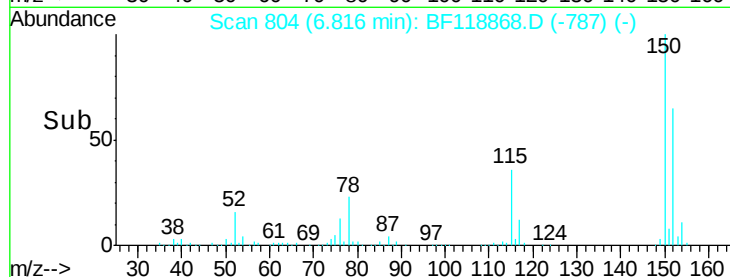
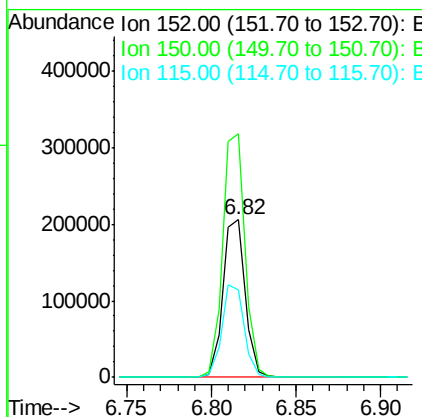
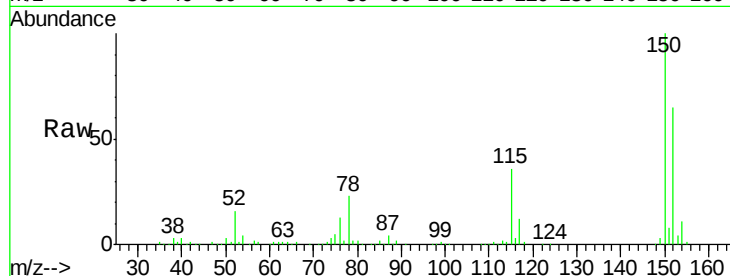
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.6	185.4
115	55.7	48.2	72.2

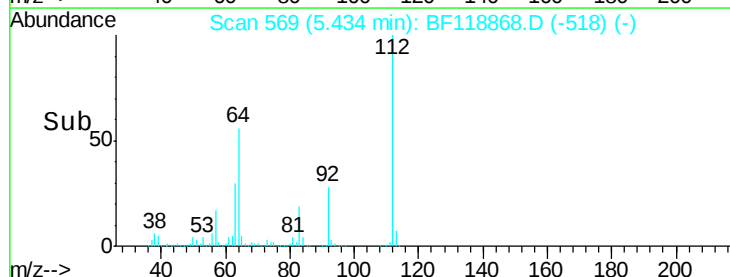
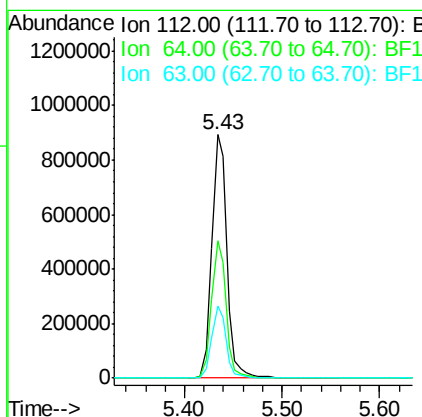
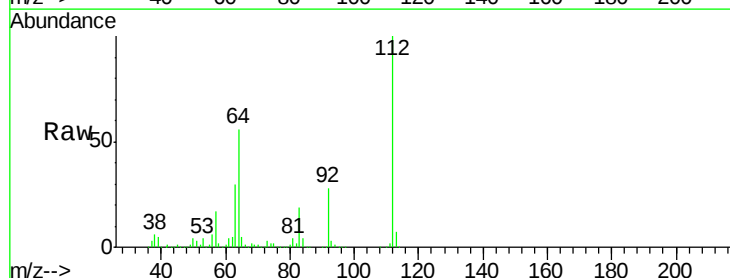
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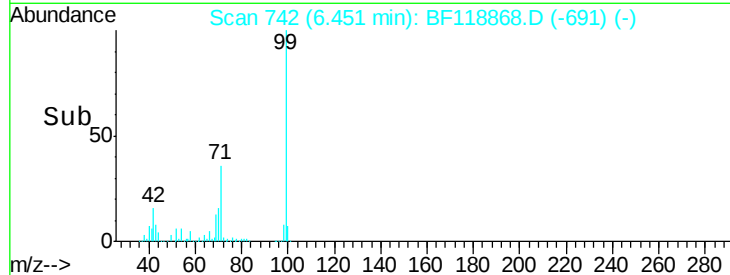
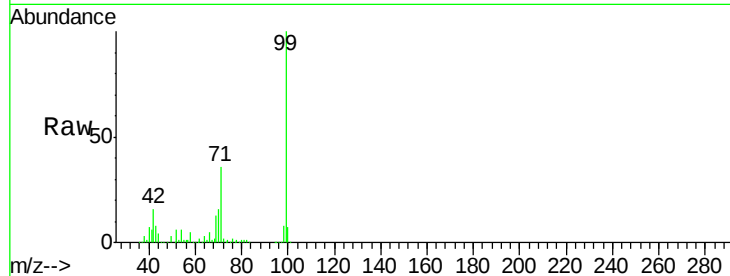
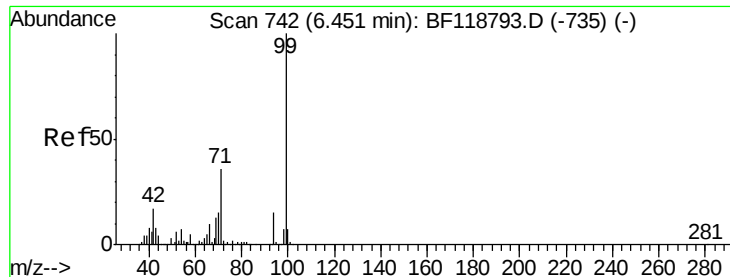
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#5
2-Fluorophenol
Concen: 95.504 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	42.6	63.8
63	29.6	22.2	33.4





#7

Phenol-d6

Concen: 89.715 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118868.D

Acq: 10 Feb 2020 13:41

Tot Ion:	99	Resp:	1114481
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.4	20.0
71	35.9	29.0	43.6

Instrument :

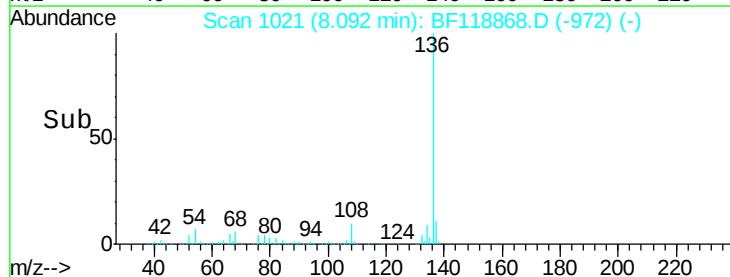
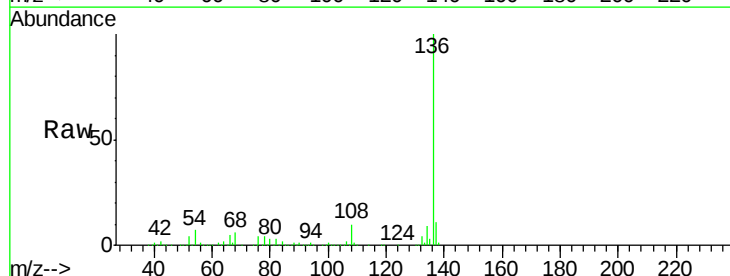
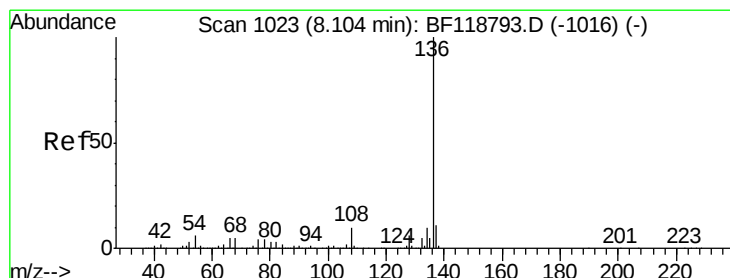
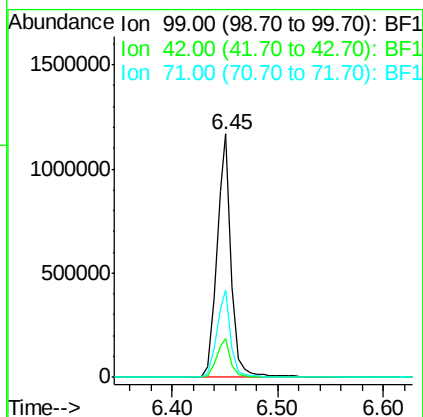
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

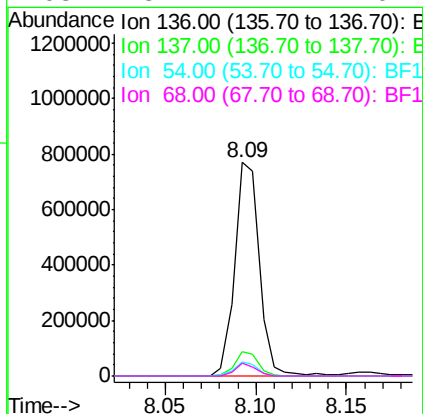
RT: 8.09 min Scan# 1021

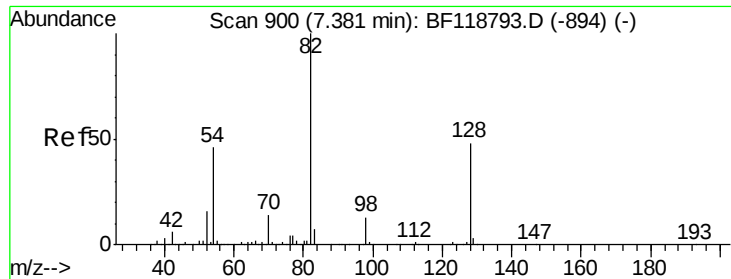
Delta R.T. -0.01 min

Lab File: BF118868.D

Acq: 10 Feb 2020 13:41

Tgt Ion:	136	Resp:	735031
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	6.9	5.0	7.6
68	5.7	4.2	6.4





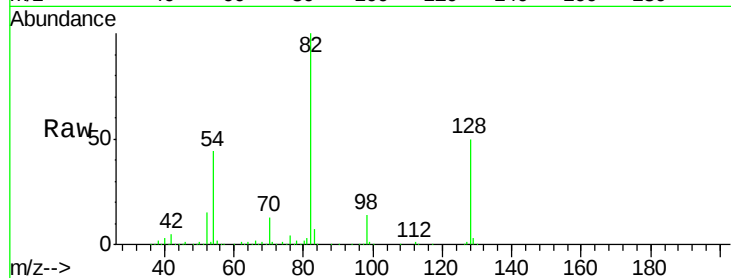
#23
Nitrobenzene-d5
Concen: 58.035 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampled :
TP9-EP2-3

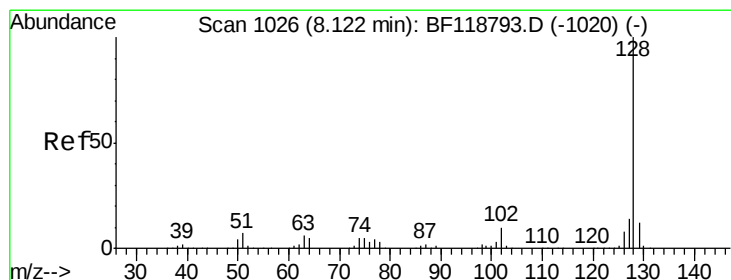
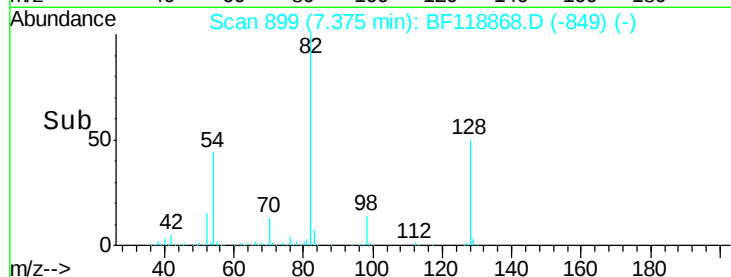
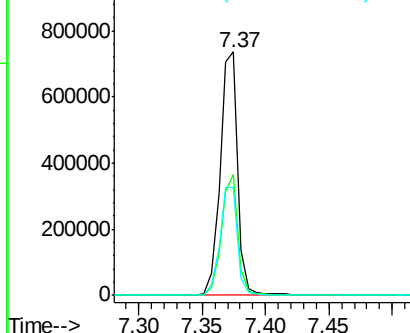
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	38.5	57.7
54	44.1	36.7	55.1

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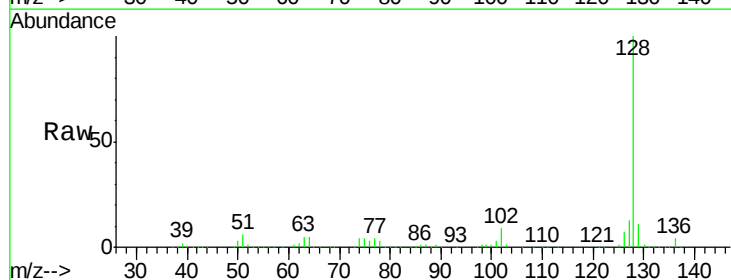


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

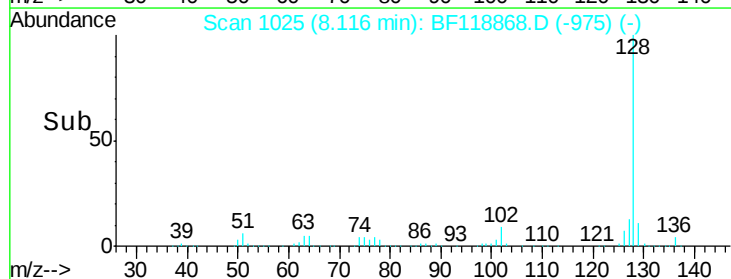
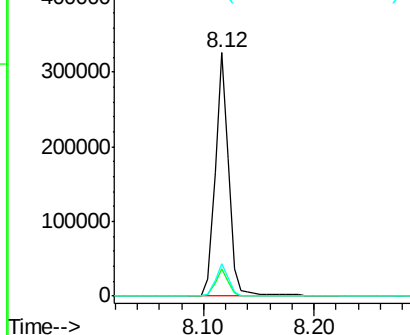


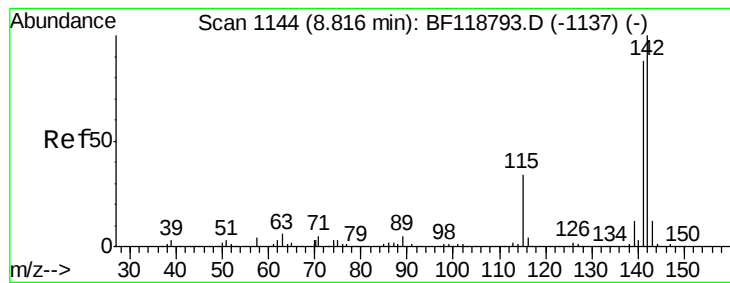
#31
Naphthalene
Concen: 8.118 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.2
127	13.3	11.3	16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





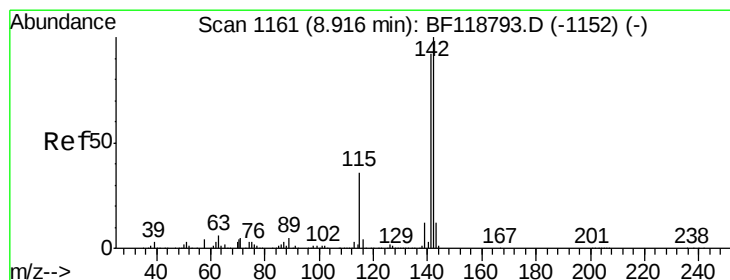
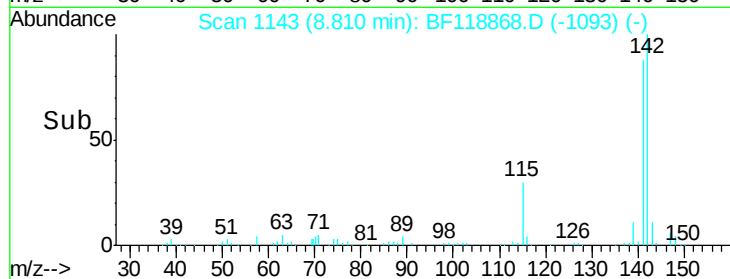
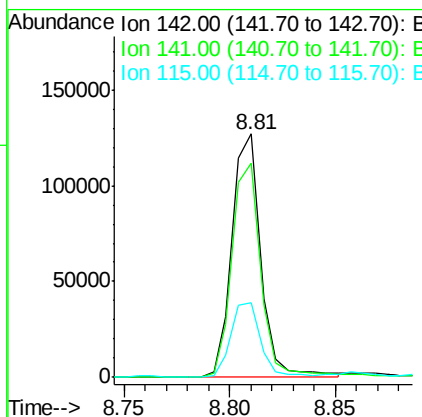
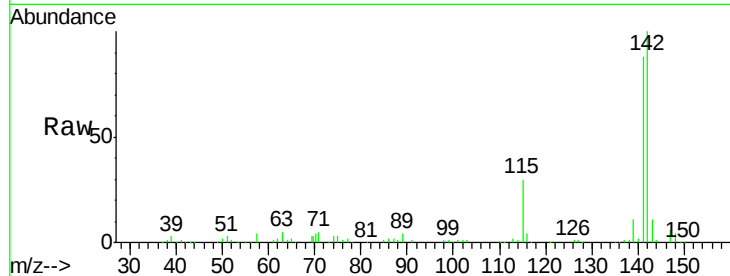
#37
2-Methylnaphthalene
Concen: 5.159 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.1	105.1
115	30.4	27.3	40.9

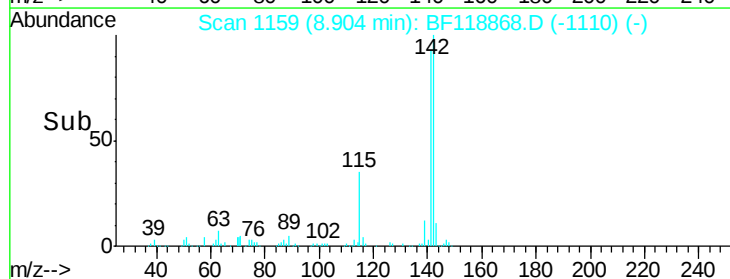
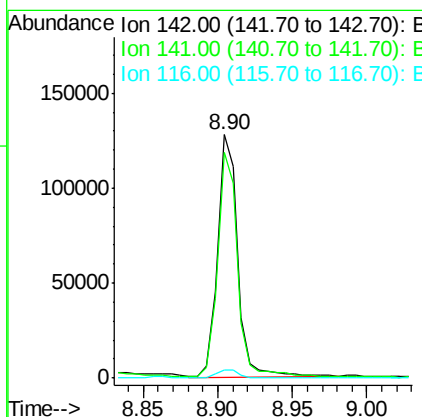
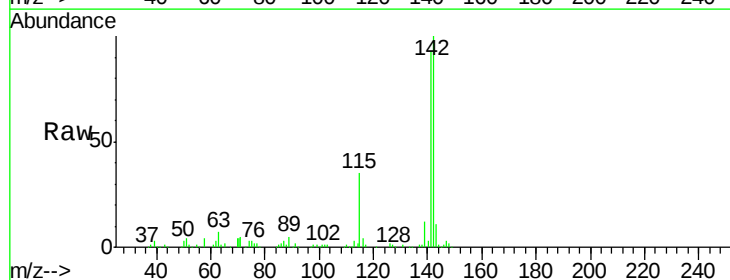
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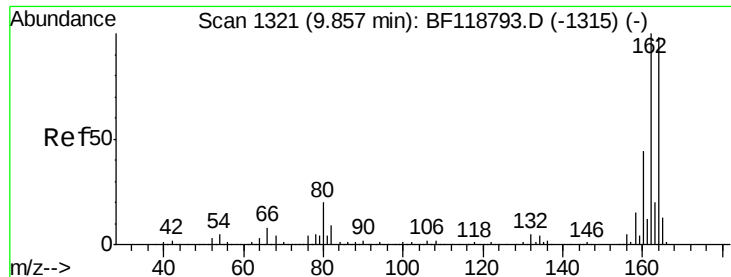
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#38
1-Methylnaphthalene
Concen: 5.503 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.8	110.6
116	3.5	3.0	4.4





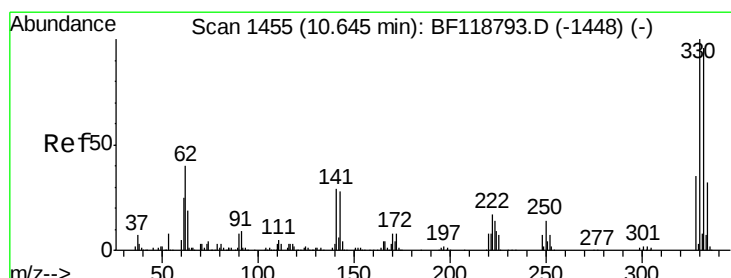
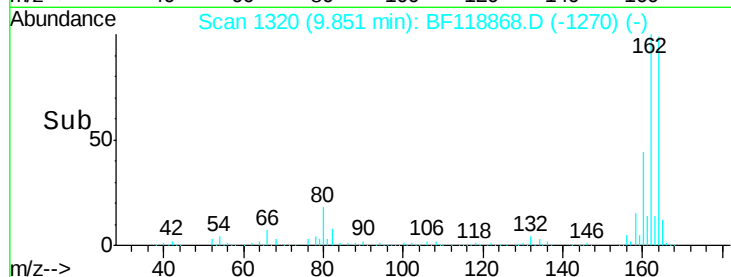
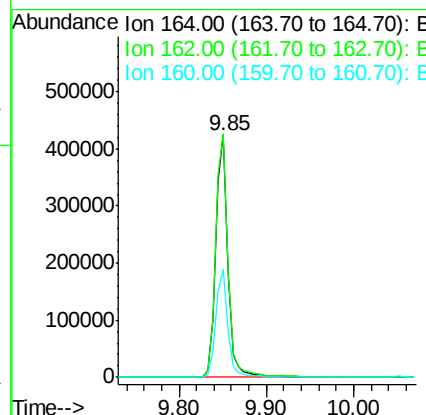
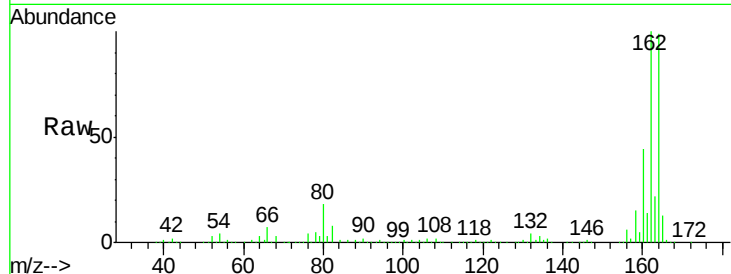
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampled :
TP9-EP2-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.4	122.2	
160	44.7	35.6	53.4	

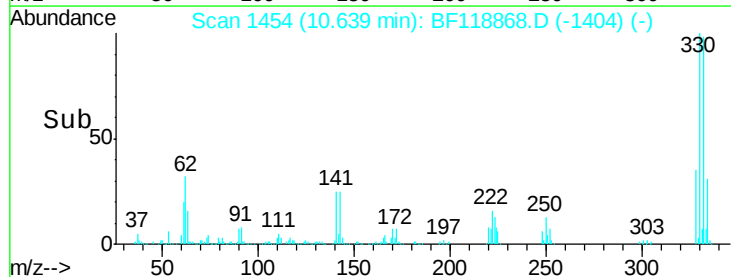
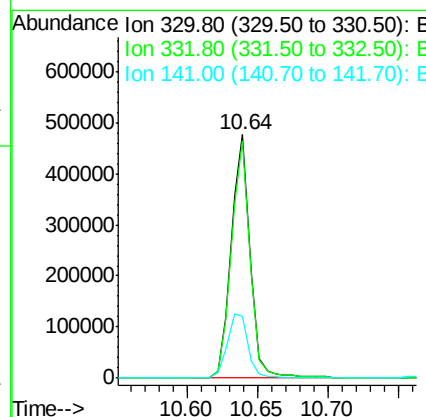
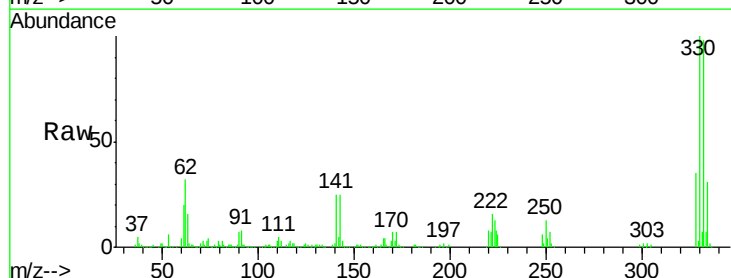
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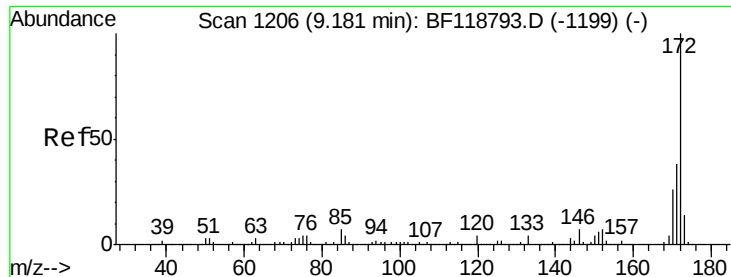
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#42
2,4,6-Tribromophenol
Concen: 90.132 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.3	115.9	
141	29.4	22.4	33.6	





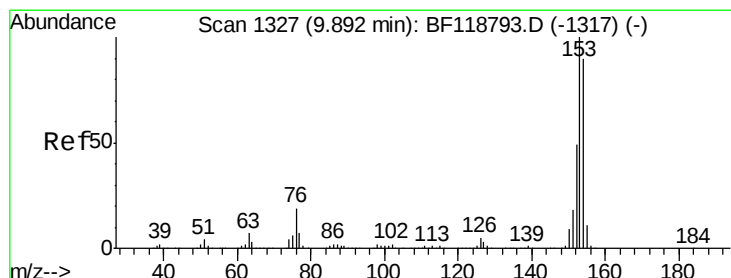
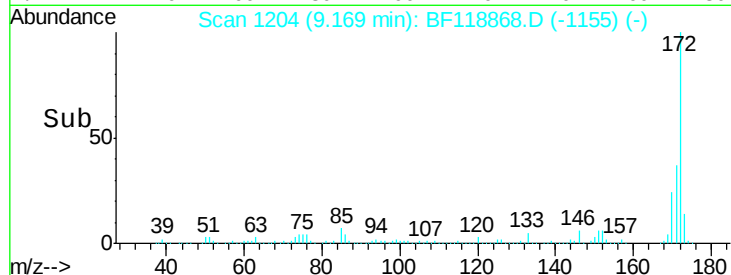
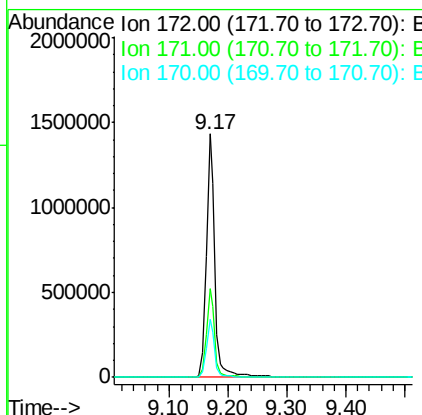
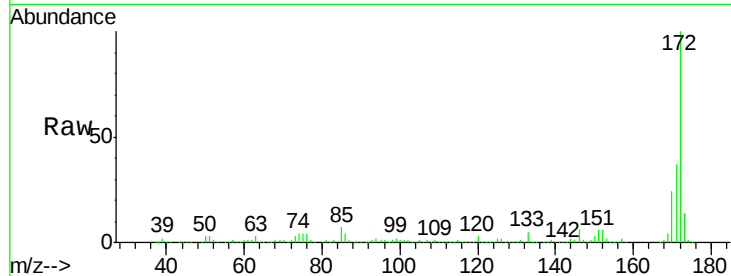
#45
2-Fluorobiphenyl
Concen: 62.720 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.8	46.2
170	23.8	20.5	30.7

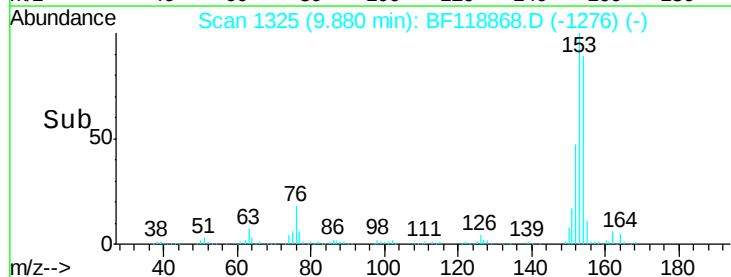
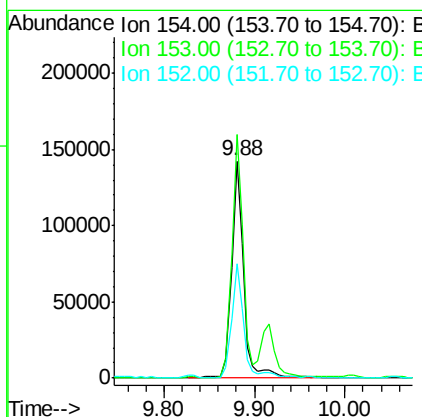
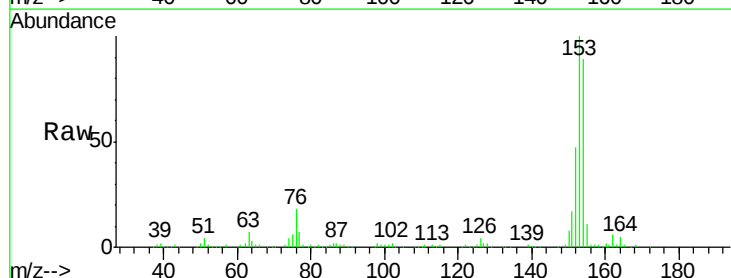
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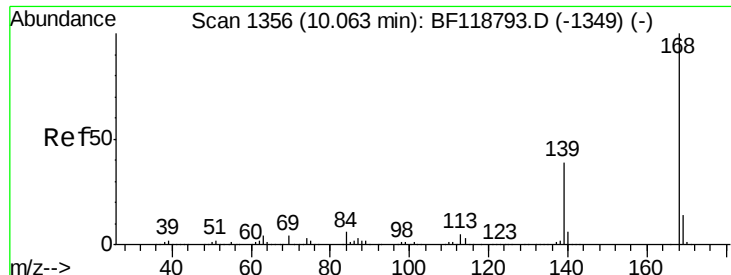
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#52
Acenaphthene
Concen: 5.916 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.4	134.0
152	52.6	43.6	65.4





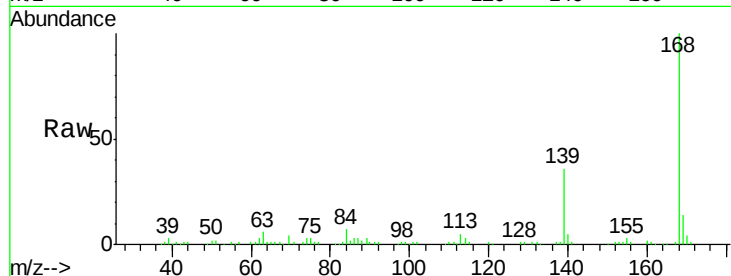
#55
Dibenzo(furan)
Concen: 2.944 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

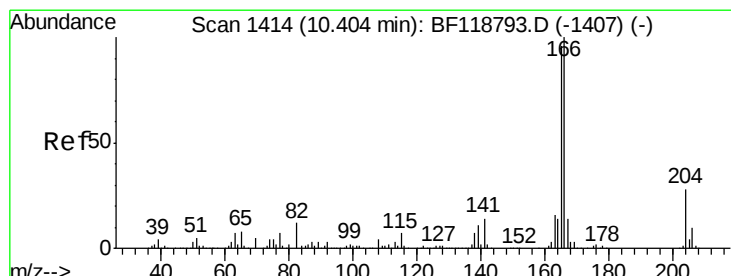
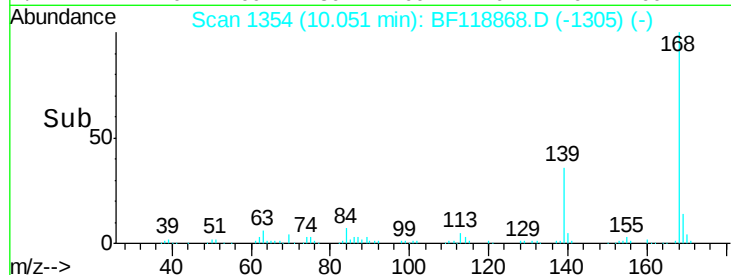
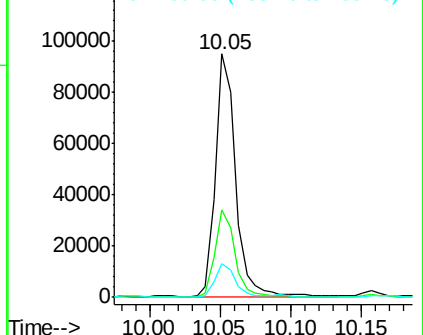
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.0	31.6	47.4
169	14.0	11.4	17.2

Manual Integrations
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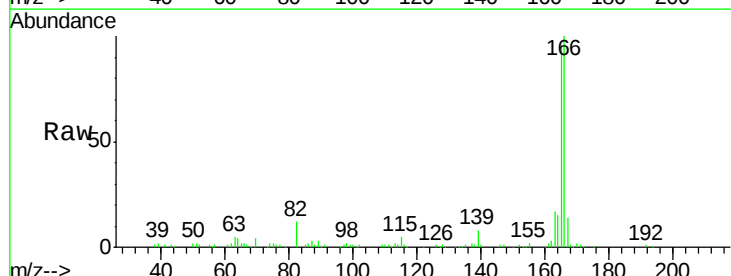


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

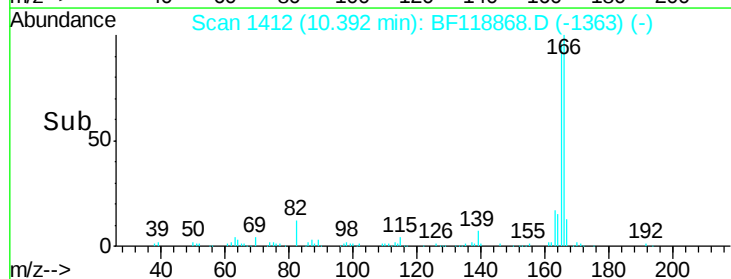
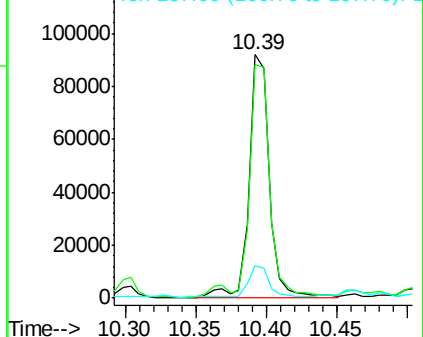


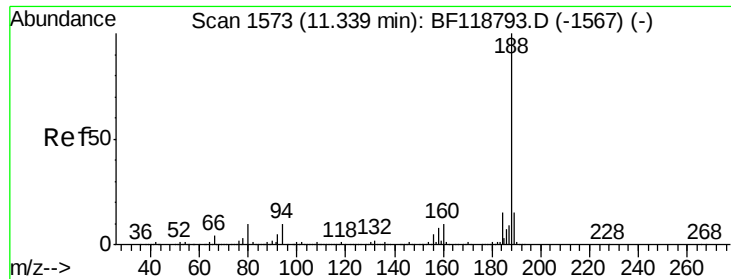
#58
Fluorene
Concen: 3.838 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	77.0	115.6
167	13.6	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





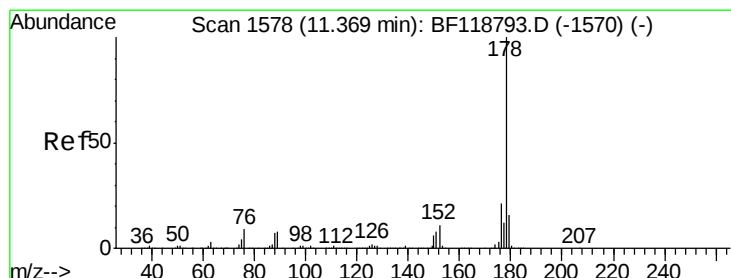
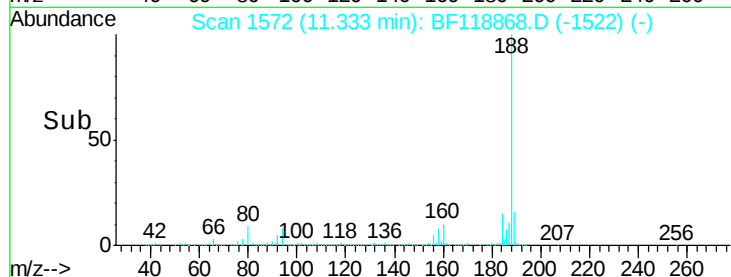
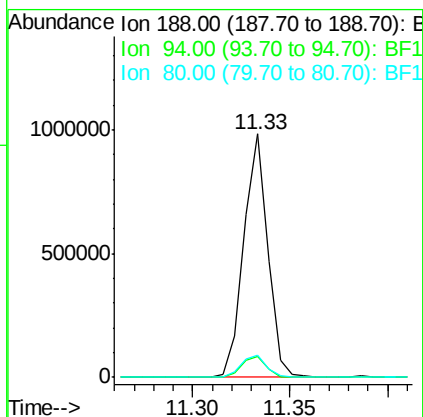
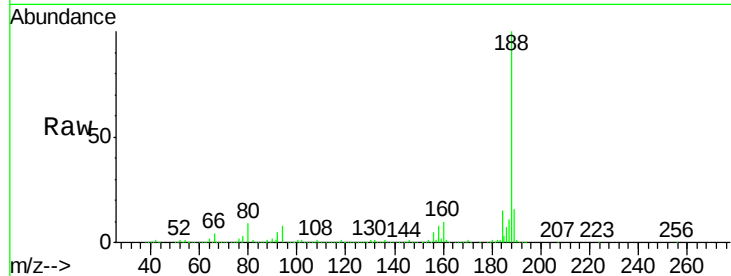
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Resp	Lower	Upper
188	100	842111		
94	8.5		7.9	11.9
80	9.3		8.4	12.6

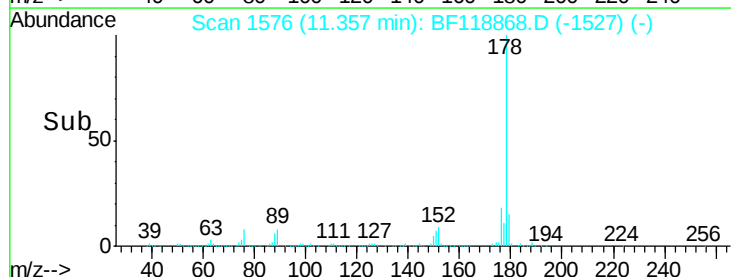
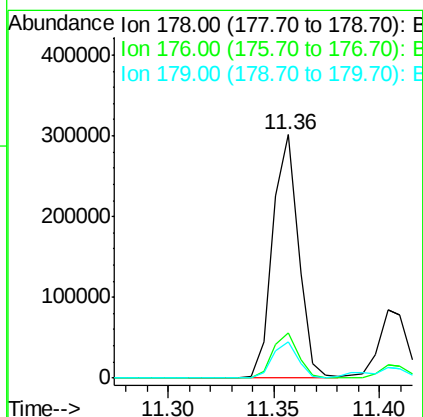
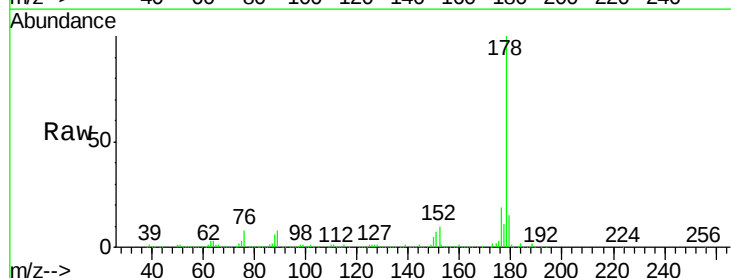
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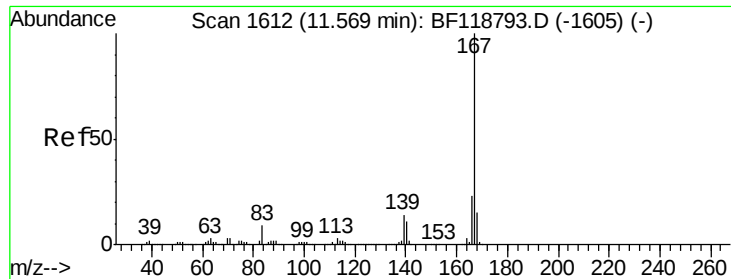
mohammad
2/13/2020 10:28:33 AM



#71
Phenanthrene
Concen: 6.228 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	258034		
176	18.7		16.6	24.8
179	15.1		13.2	19.8





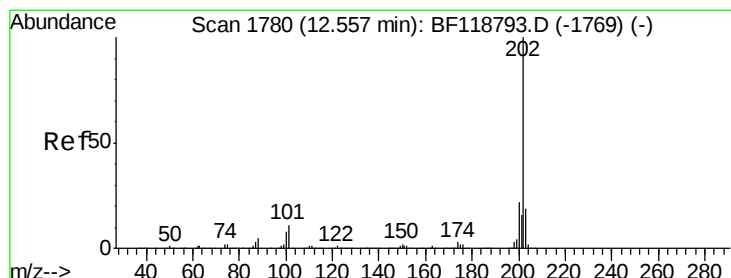
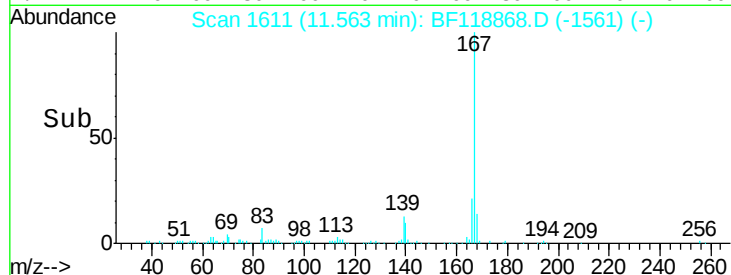
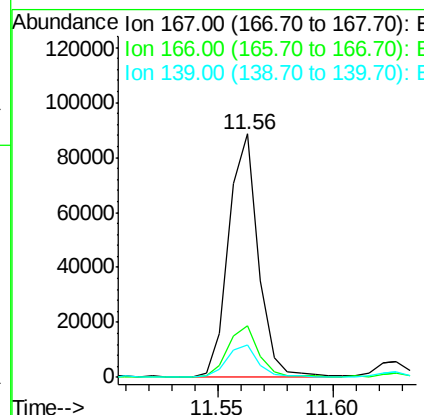
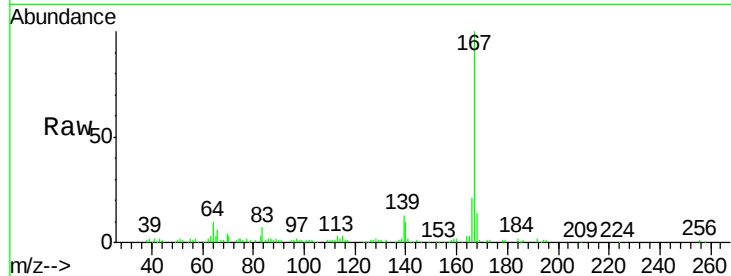
#73
 Carbazole
 Concen: 2.197 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118868.D
 Acq: 10 Feb 2020 13:41

Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP2-3

Tot Ion:	167	Resp:	79457
Ion Ratio	Lower	Upper	
167	100		
166	21.2	18.4	27.6
139	13.3	11.1	16.7

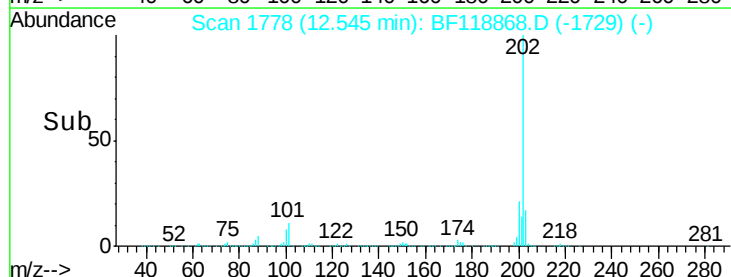
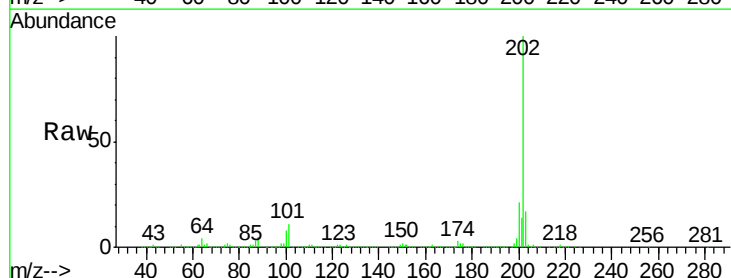
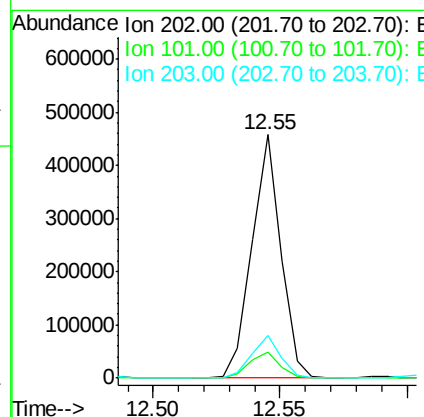
Manual Integrations
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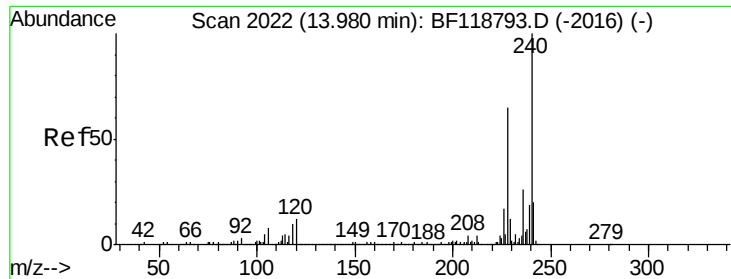
mohammad
 2/13/2020 10:28:33 AM



#75
 Fluoranthene
 Concen: 8.045 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF118868.D
 Acq: 10 Feb 2020 13:41

Tgt Ion:	202	Resp:	363938
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.0
203	17.4	0.0	38.7





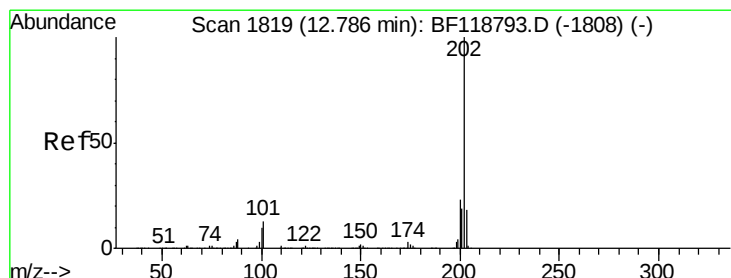
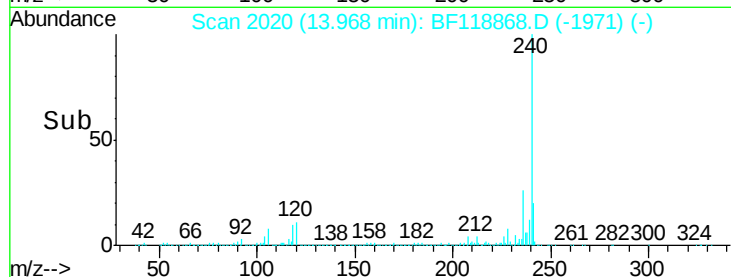
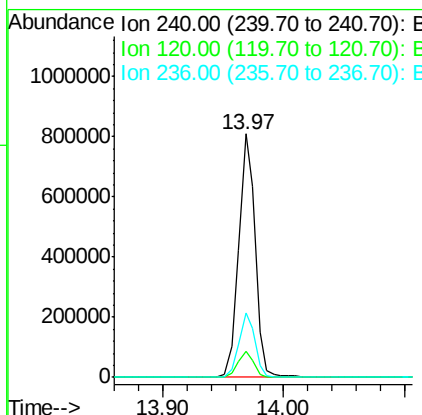
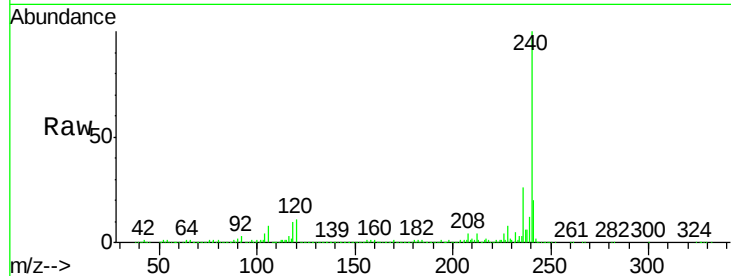
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.4	14.0
236	26.3	21.0	31.6

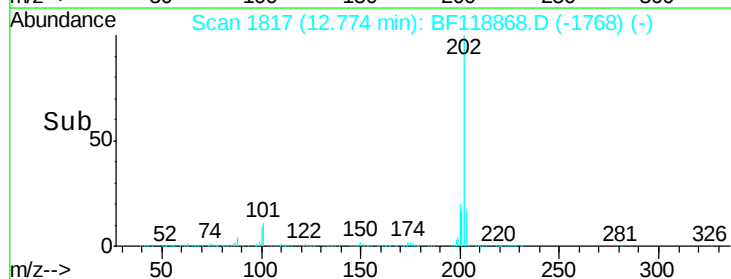
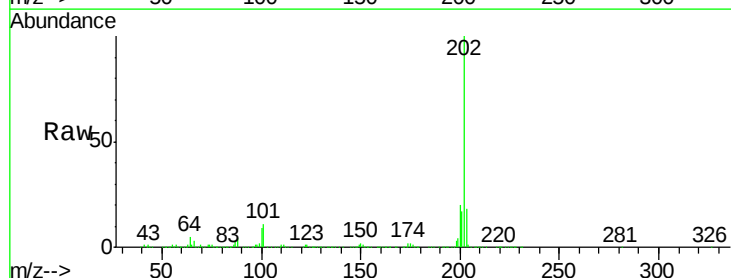
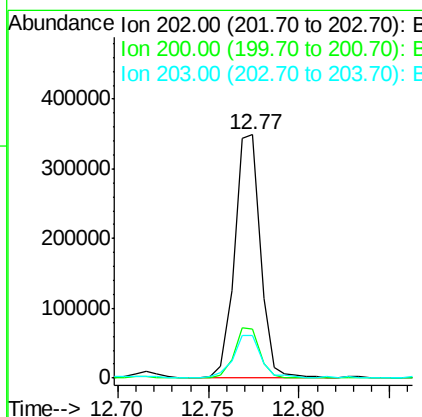
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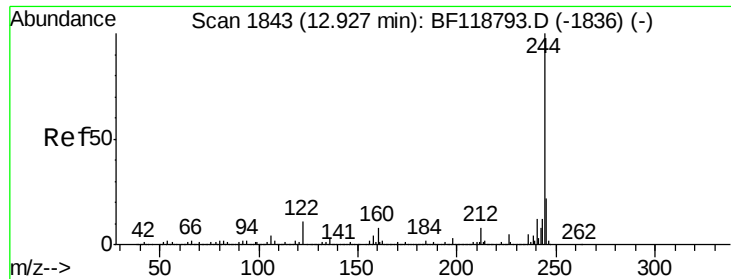
mohammad
2/13/2020 10:28:33 AM



#78
Pyrene
Concen: 6.470 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	18.2	27.2
203	17.5	14.8	22.2





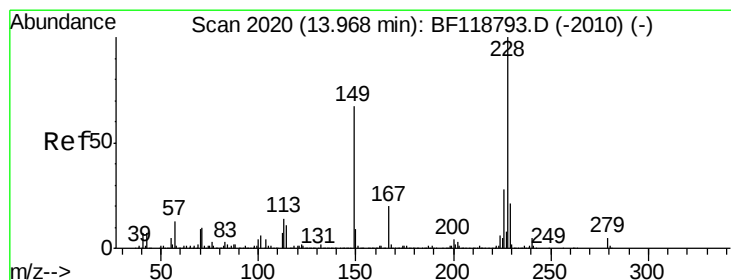
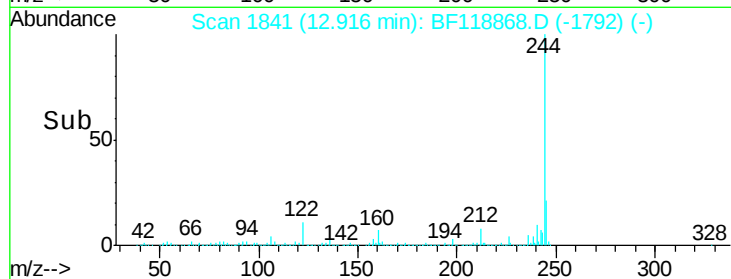
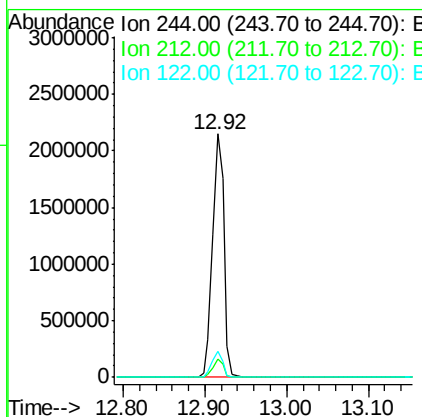
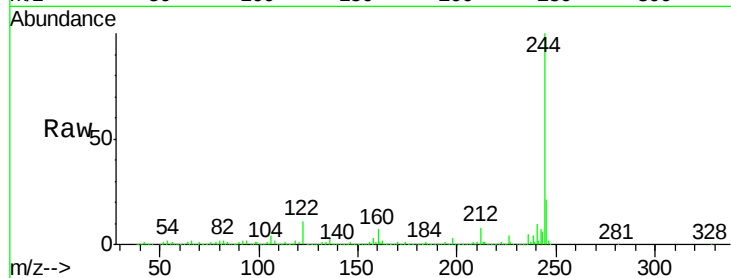
#79
 Terphenyl-d14
 Concen: 55.278 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118868.D
 Acq: 10 Feb 2020 13:41

Instrument :
 BNA_F
 ClientSampleID :
 TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	10.8	8.9	13.3

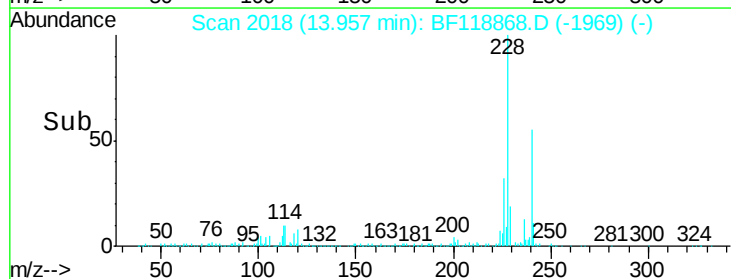
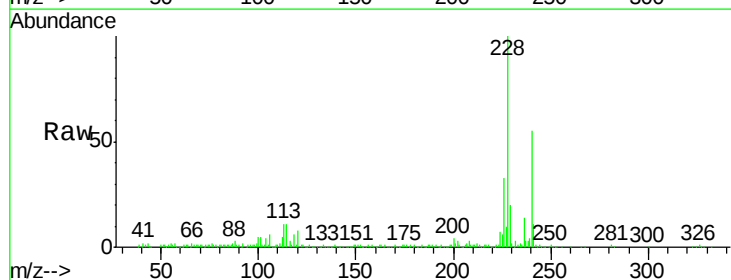
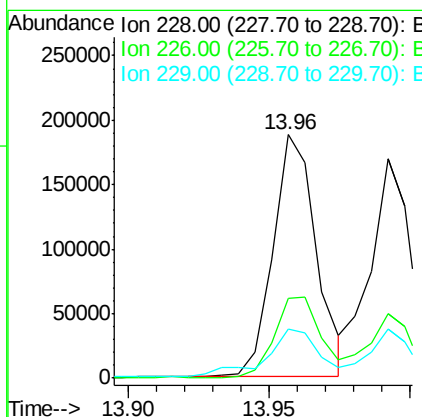
Manual Integrations
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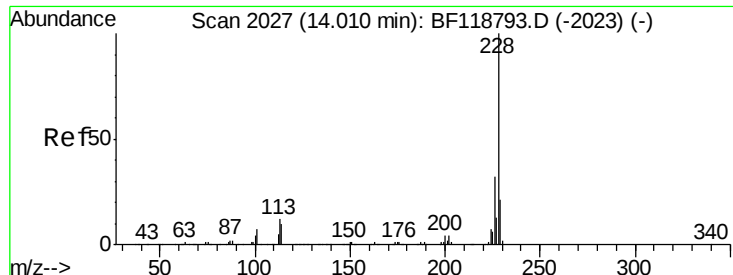
mohammad
 2/13/2020 10:28:33 AM



#81
 Benzo(a)anthracene
 Concen: 4.330 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF118868.D
 Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.7	34.1
229	20.2	16.6	25.0





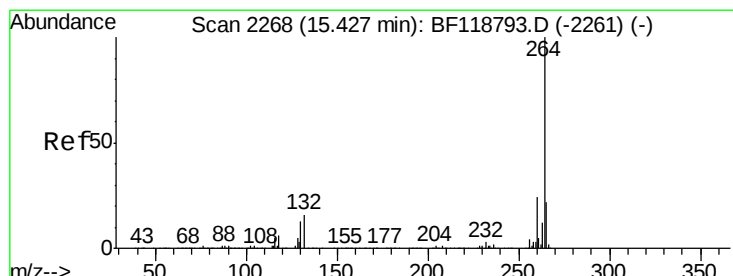
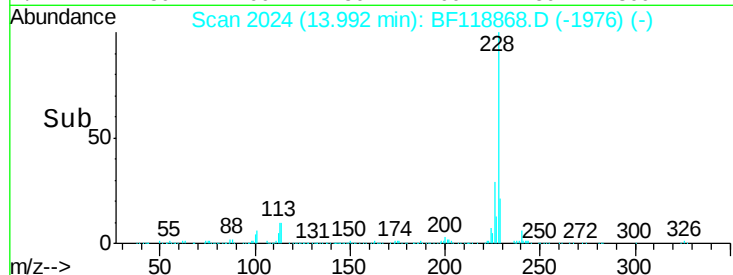
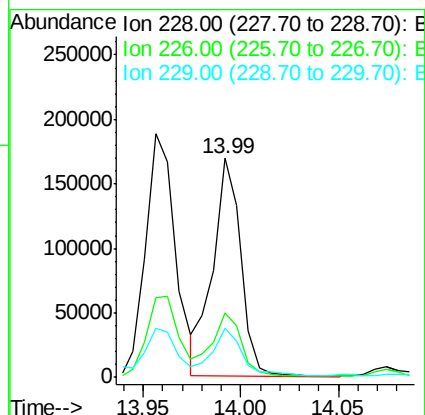
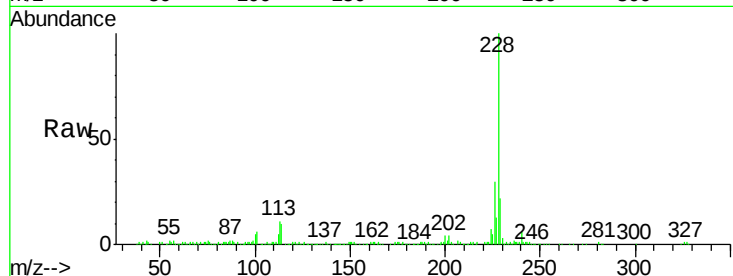
#83
Chrysene
Concen: 3.685 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion:	228	Resp:	169851
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.0
229	22.3	16.9	25.3

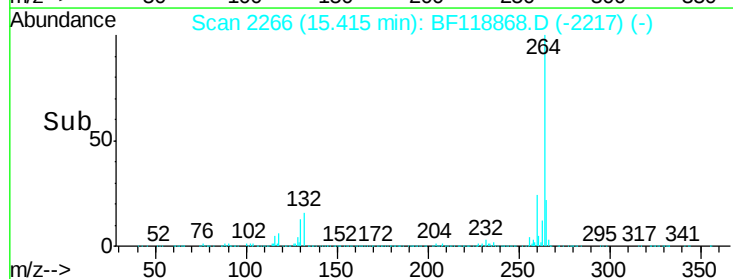
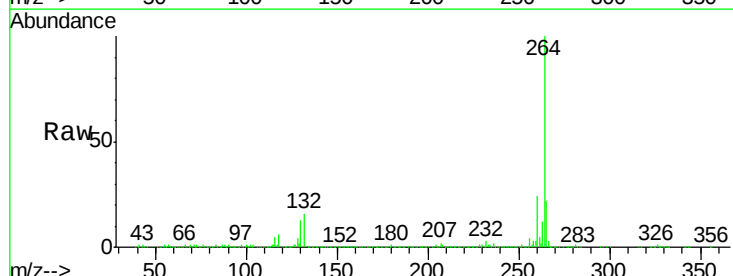
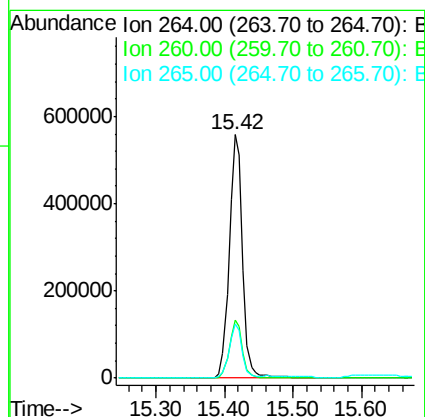
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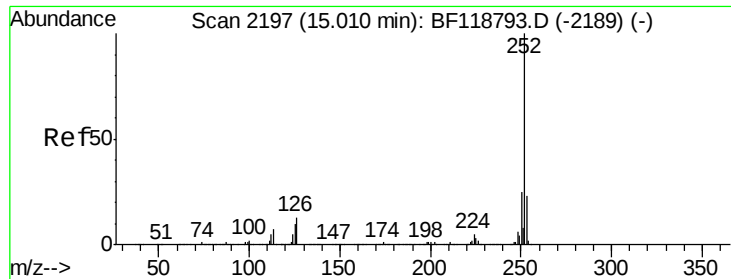
mohammad
2/13/2020 10:28:33 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion:	264	Resp:	761383
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.1	28.7
265	22.1	17.2	25.8





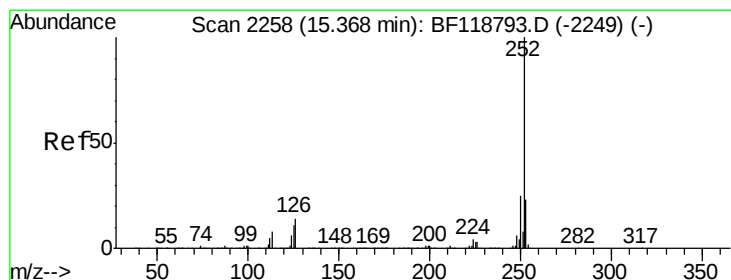
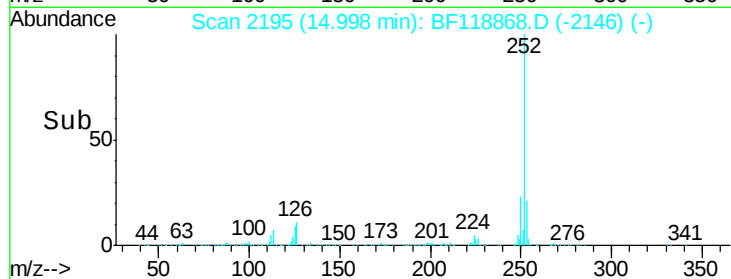
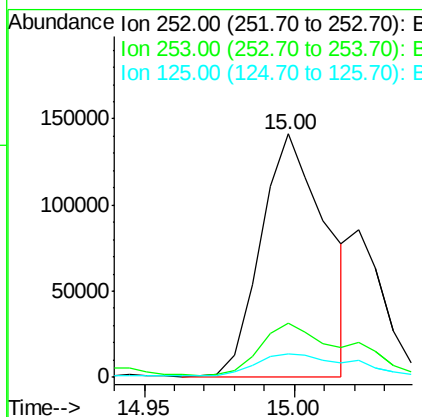
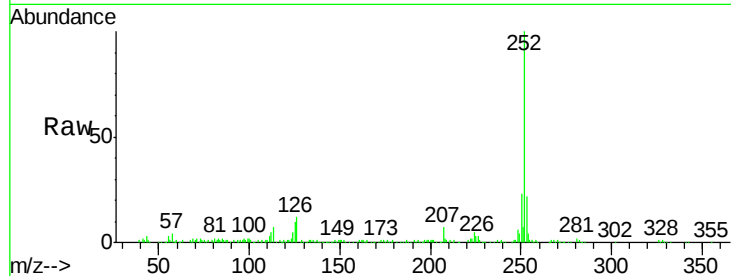
#88
Benzo(b)fluoranthene
Concen: 4.524 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Instrument :
BNA_F
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	9.7	8.1	12.1

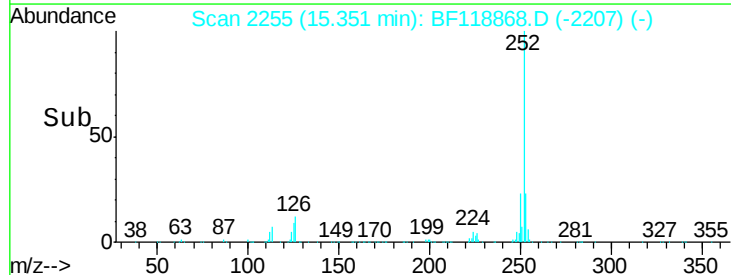
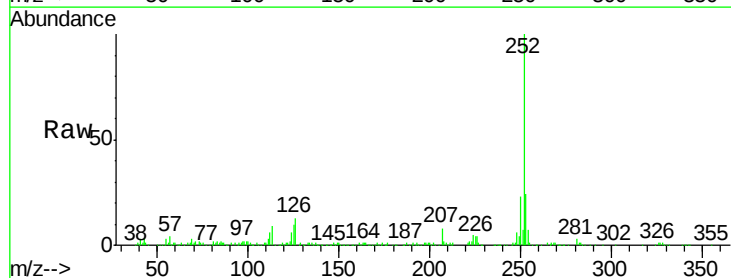
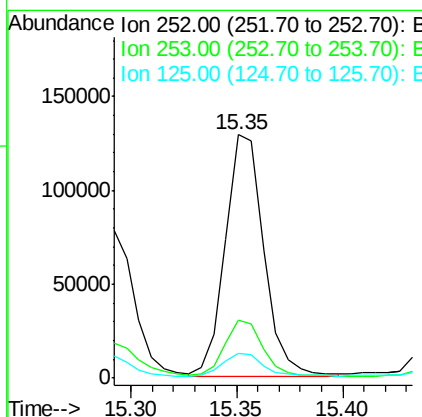
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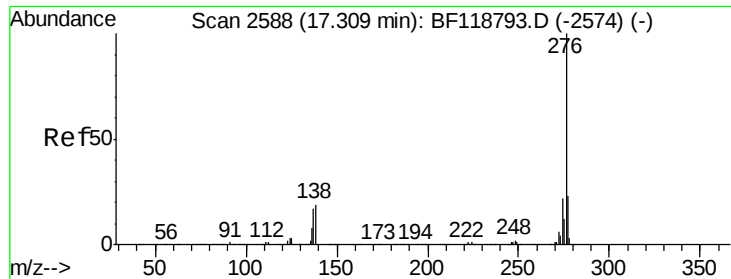
mohammad
2/13/2020 10:28:33 AM



#90
Benzo(a)pyrene
Concen: 4.028 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118868.D
Acq: 10 Feb 2020 13:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	10.3	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.231 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. -0.03 min
 Lab File: BF118868.D
 Acq: 10 Feb 2020 13:41

Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.7	28.1
138	19.0	15.4	23.2

Manual Integrations
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mohammad
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