

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120694.D
 Acq On : 23 Jun 2020 00:04
 Operator : JU/CG
 Sample : L3082-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16

Manual Integrations
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Quant Time: Jun 23 04:08:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139878	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	489038	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	237609	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	491324	20.00	ng	0.00
76) Chrysene-d12	13.97	240	406930	20.00	ng	0.00
86) Perylene-d12	15.41	264	449121	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	834071	102.23	ng	0.00
7) Phenol-d6	6.43	99	1109817	109.22	ng	0.00
23) Nitrobenzene-d5	7.36	82	701268	80.15	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	347856	125.92	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1439801	92.71	ng	0.00
79) Terphenyl-d14	12.92	244	1575309	85.51	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	61087	2.544	ng	99
50) Dimethylphthalate	9.55	163	110339	6.448	ng	97
52) Acenaphthene	9.86	154	121429	9.093	ng	99
55) Dibenzofuran	10.04	168	97583	4.766	ng	97
58) Fluorene	10.38	166	130136	8.244	ng	98
71) Phenanthrene	11.35	178	1244571	50.958	ng	99
72) Anthracene	11.40	178	392464	15.942	ng	98
73) Carbazole	11.55	167	150943	6.194	ng	99
75) Fluoranthene	12.54	202	1519219	54.405	ng	99
78) Pyrene	12.77	202	1326649	46.020	ng	99
81) Benzo(a)anthracene	13.96	228	793418	32.453	ng	98
83) Chrysene	13.99	228	669901	26.713	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	184373	6.749	ng	96
88) Benzo(b)fluoranthene	15.00	252	736415m	27.526	ng	
89) Benzo(k)fluoranthene	15.02	252	263208m	11.119	ng	
90) Benzo(a)pyrene	15.35	252	584081	24.395	ng	99
91) Dibenzo(a,h)anthracene	16.84	278	53765	2.454	ng	92
92) Benzo(g,h,i)perylene	17.27	276	171137	7.750	ng	97

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

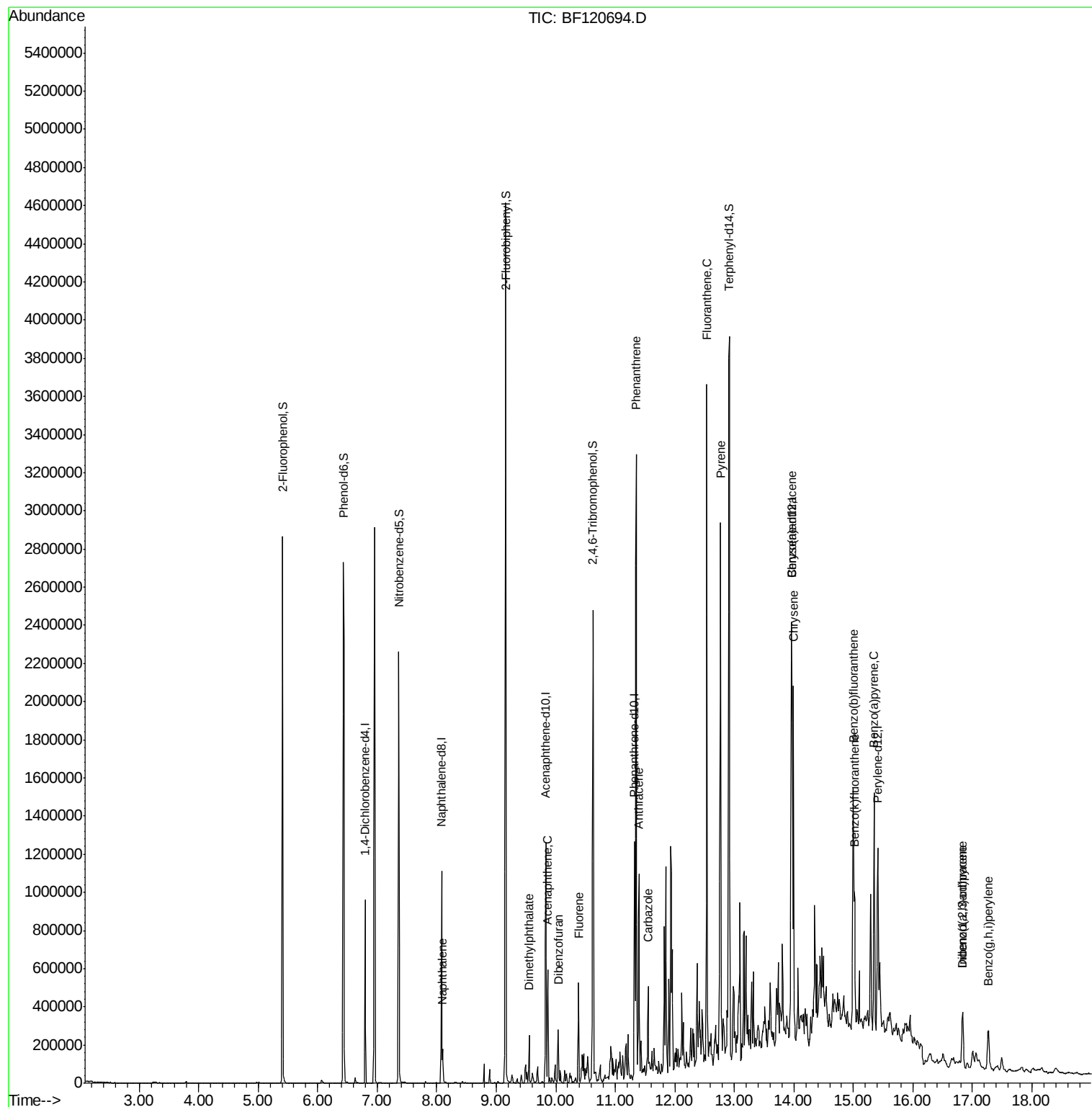
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
Data File : BF120694.D
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ALS Vial : 19 Sample Multiplier: 1

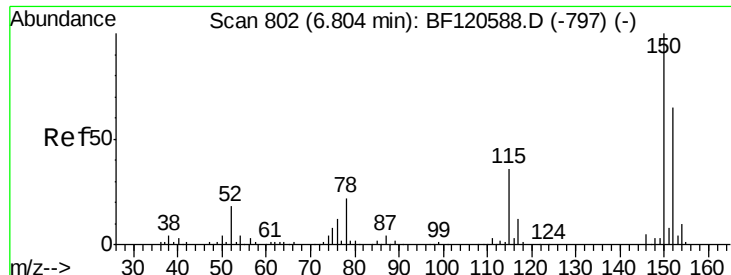
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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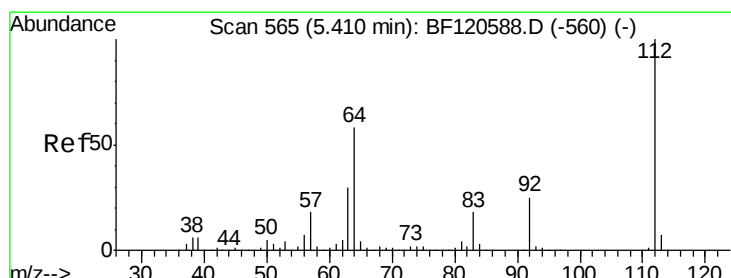
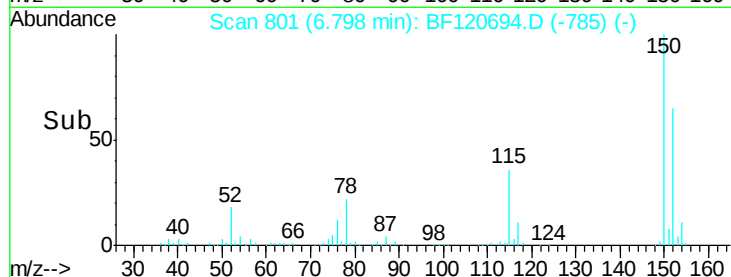
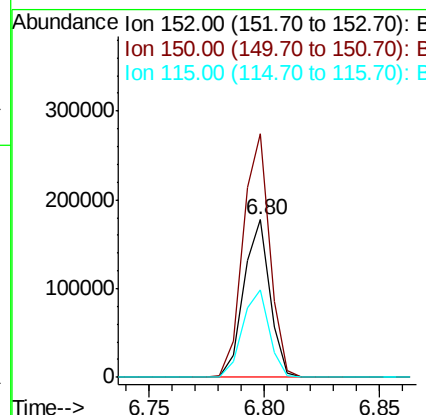
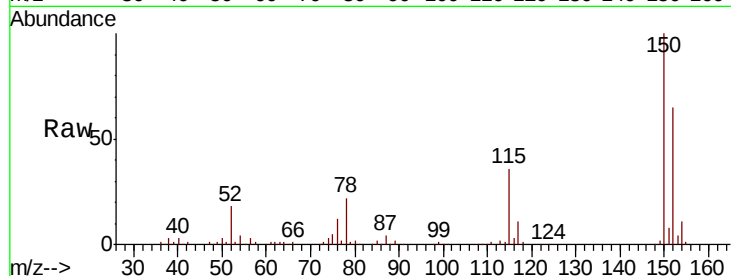
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Instrument :
 BNA_F
 ClientSampled :
 SB-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.2	184.8
115	55.3	43.9	65.9

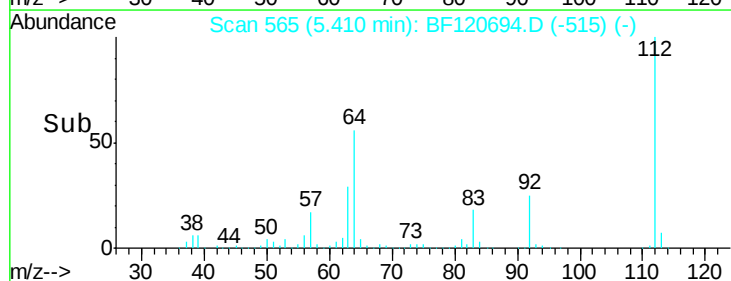
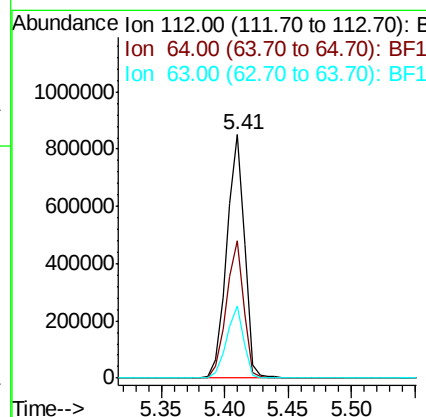
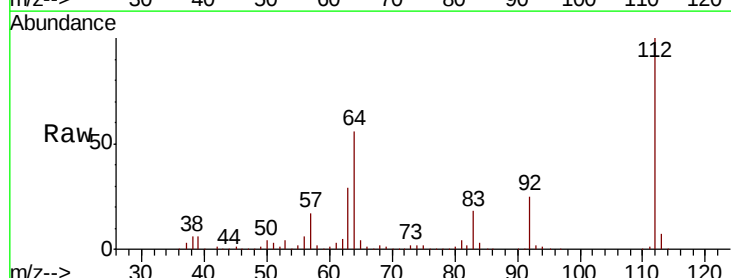
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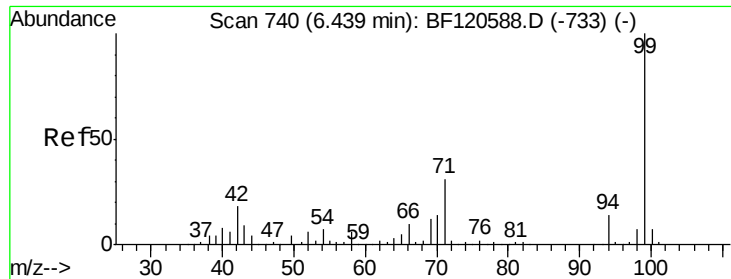
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#5
 2-Fluorophenol
 Concen: 102.230 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.1	69.1
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 109.216 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120694.D

Acq: 23 Jun 2020 00:04

Instrument :

BNA_F

ClientSampled :

SB-16

Tot Ion: 99 Resp: 1109817

Ion Ratio Lower Upper

99 100

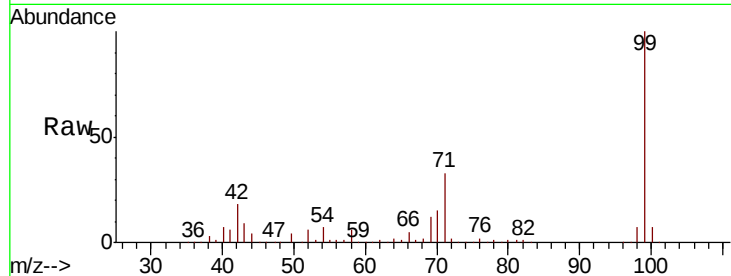
42 18.3 14.0 21.0

71 33.0 24.9 37.3

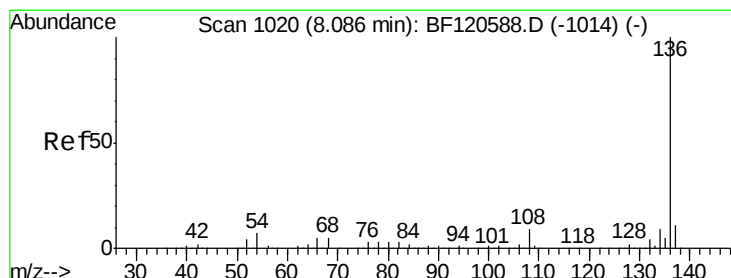
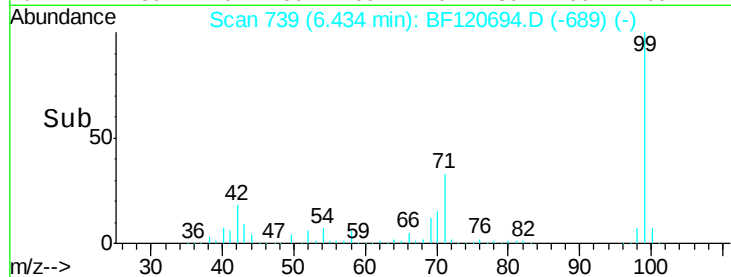
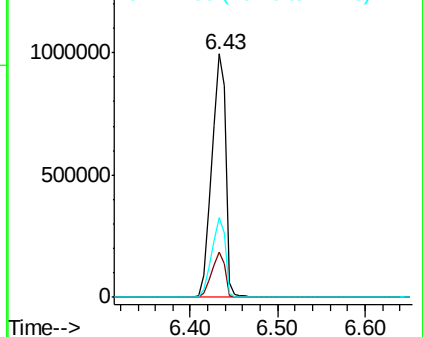
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120694.D

Acq: 23 Jun 2020 00:04

Tgt Ion: 136 Resp: 489038

Ion Ratio Lower Upper

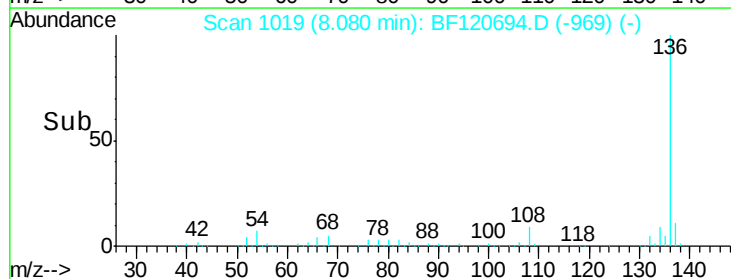
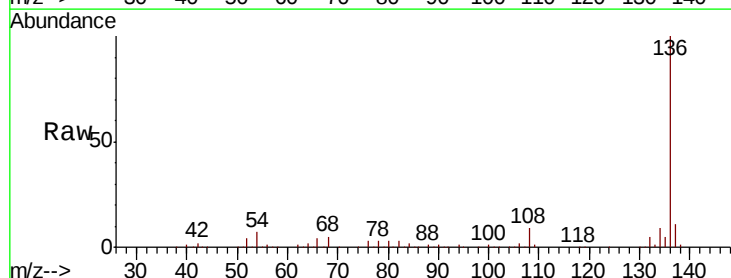
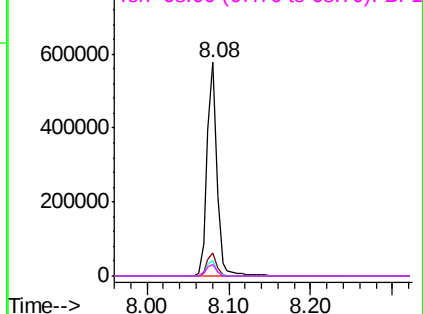
136 100

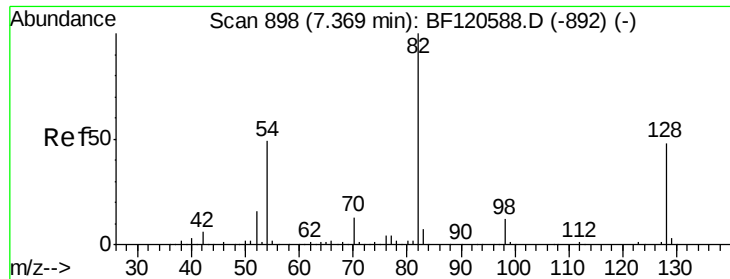
137 10.9 8.6 13.0

54 6.9 5.8 8.6

68 5.4 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





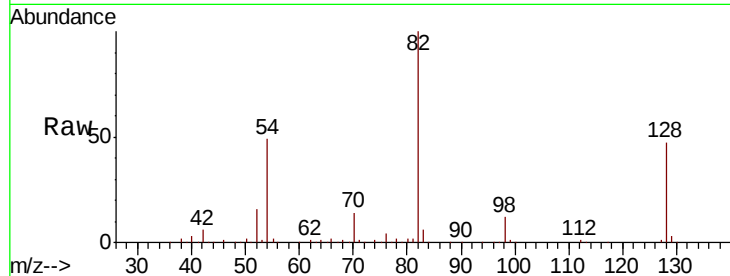
#23
 Nitrobenzene-d5
 Concen: 80.154 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Instrument :
 BNA_F
 ClientSampled :
 SB-16

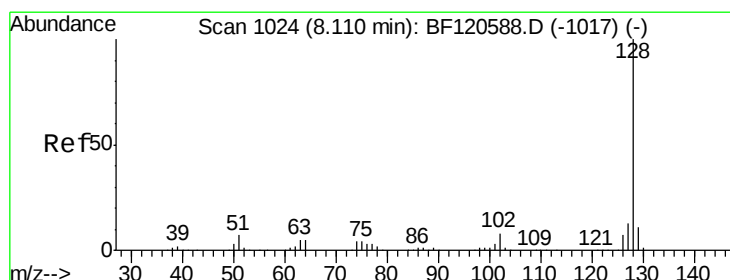
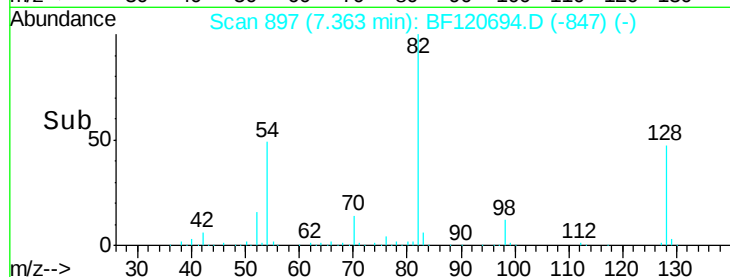
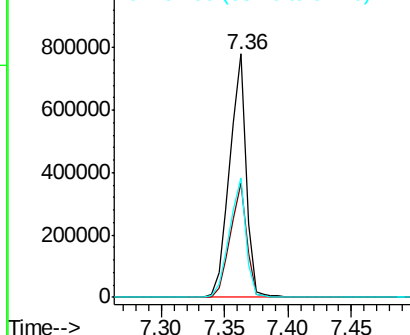
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	38.0	57.0
54	49.2	38.8	58.2

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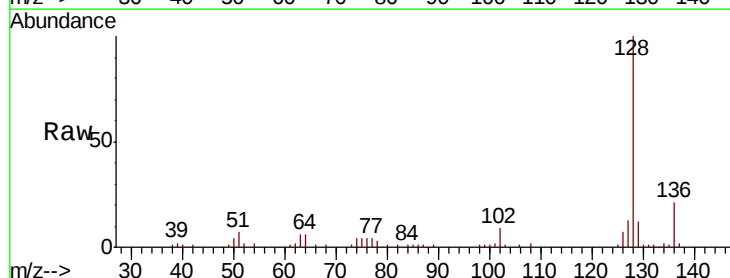


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

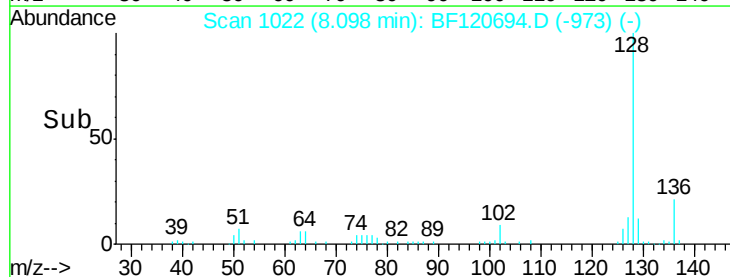
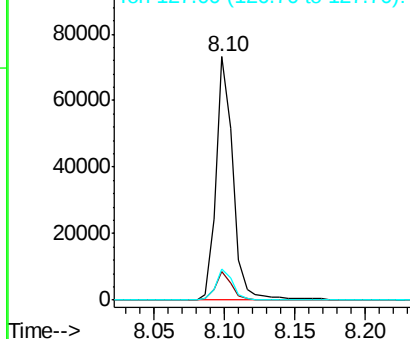


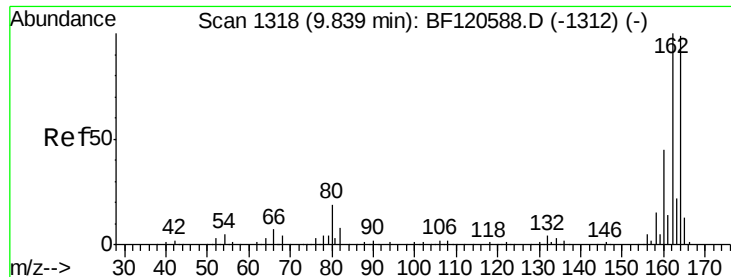
#31
 Naphthalene
 Concen: 2.544 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.0	10.6	15.8



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





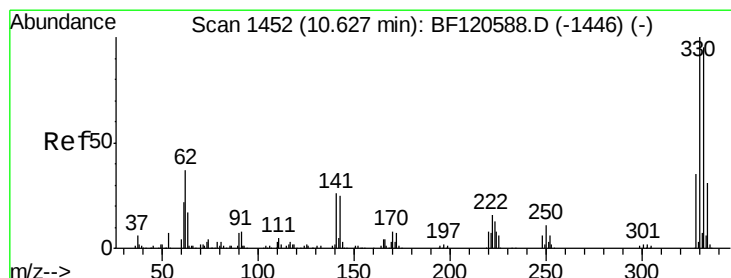
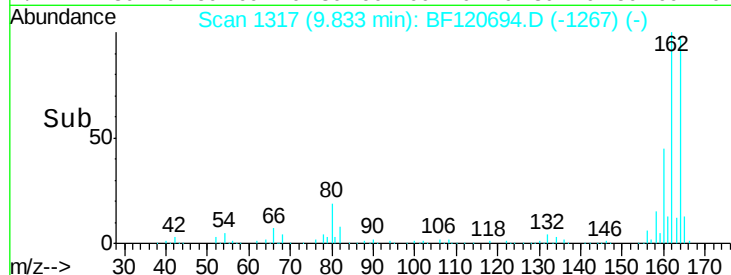
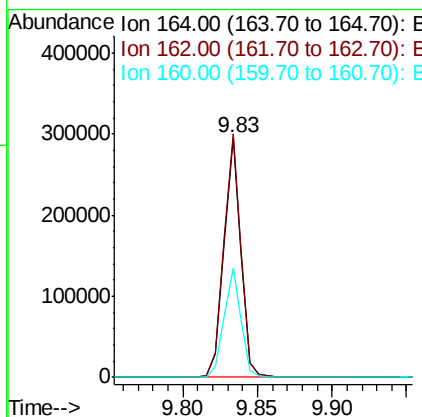
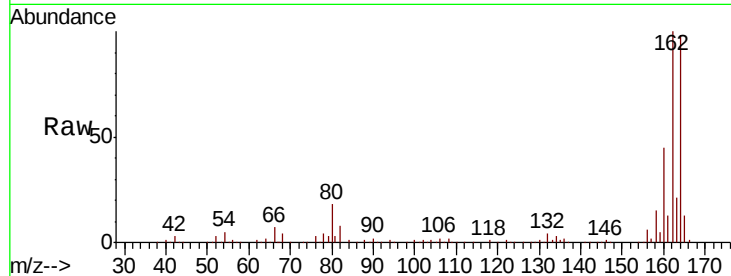
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampleId :
SB-16

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	45.4	36.2	54.2

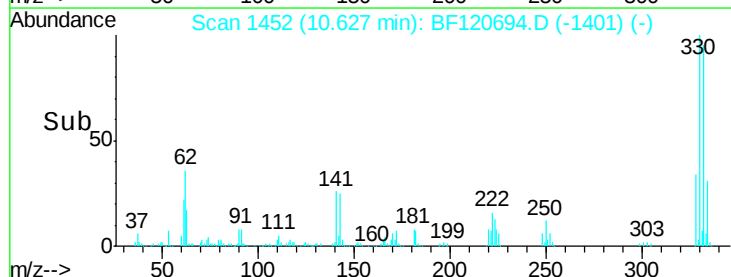
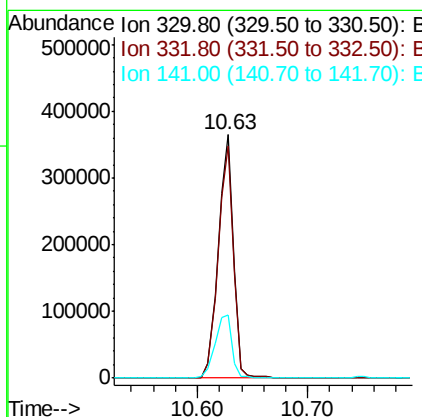
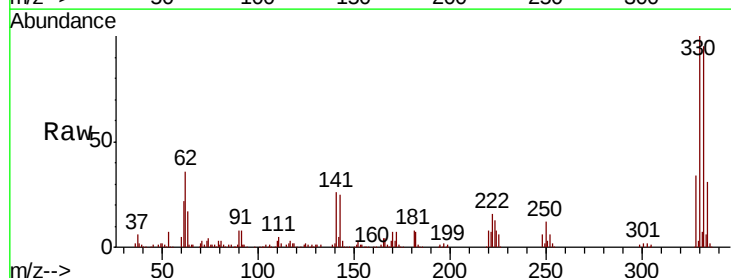
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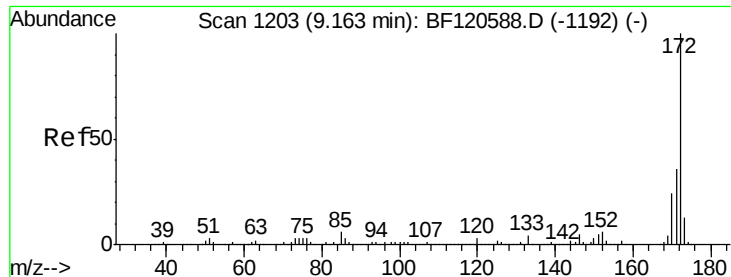
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#42
2,4,6-Tribromophenol
Concen: 125.919 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	29.4	23.2	34.8





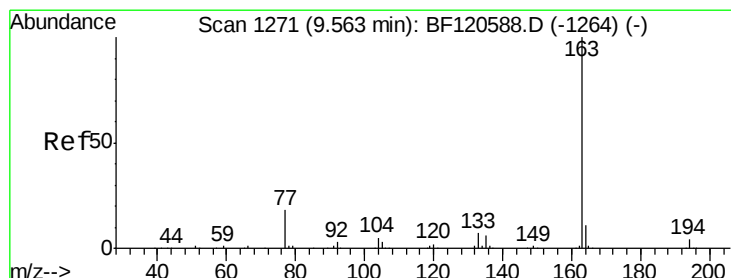
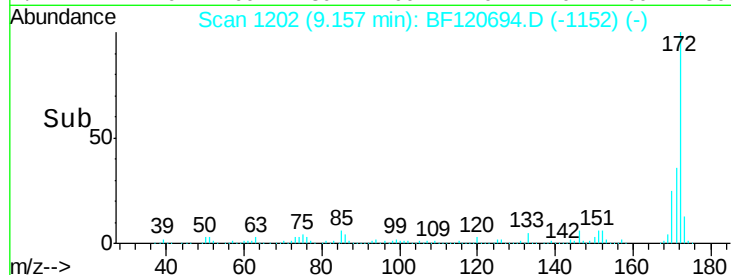
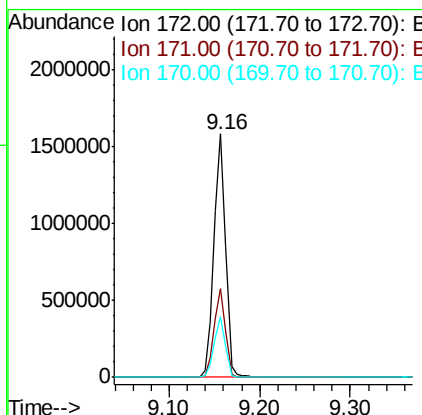
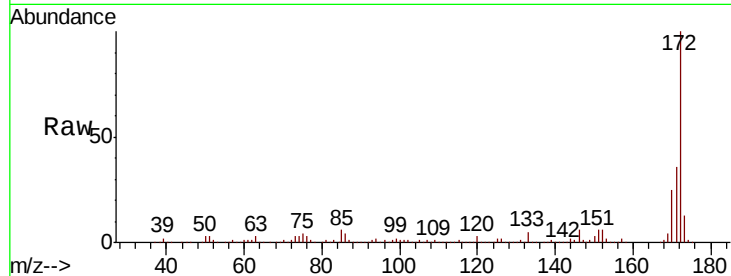
#45
2-Fluorobiphenyl
Concen: 92.710 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampleId :
SB-16

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.8	19.4	29.2

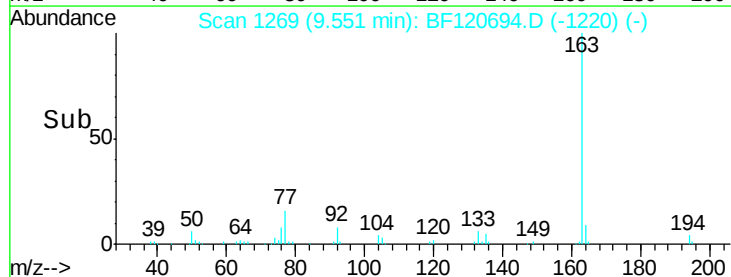
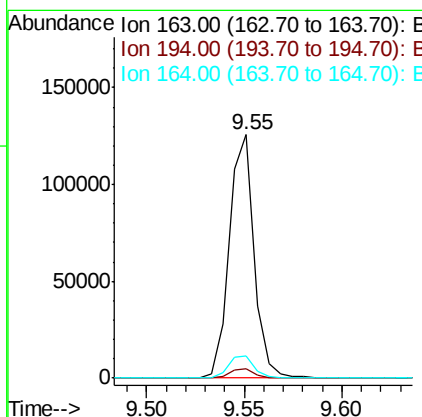
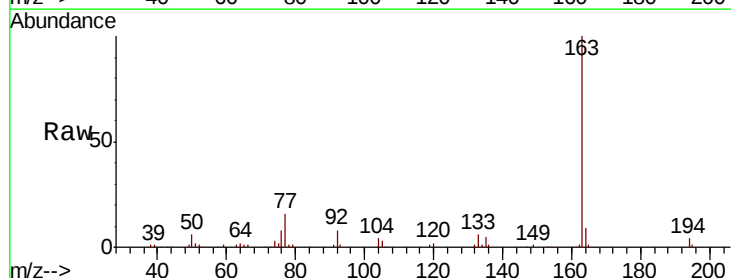
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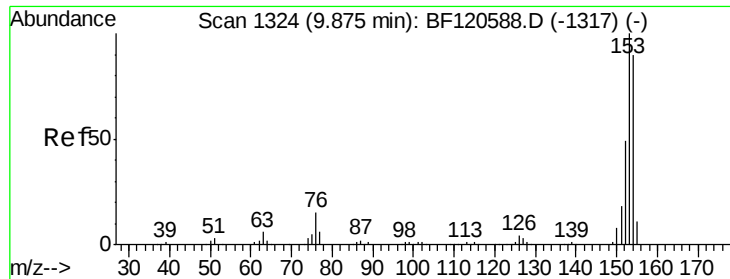
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#50
Dimethylphthalate
Concen: 6.448 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.3	8.5	12.7





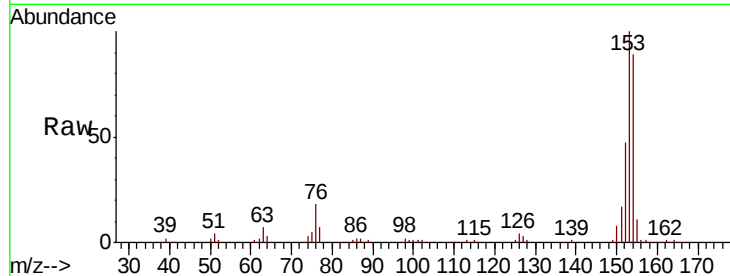
#52
Acenaphthene
Concen: 9.093 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
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SB-16

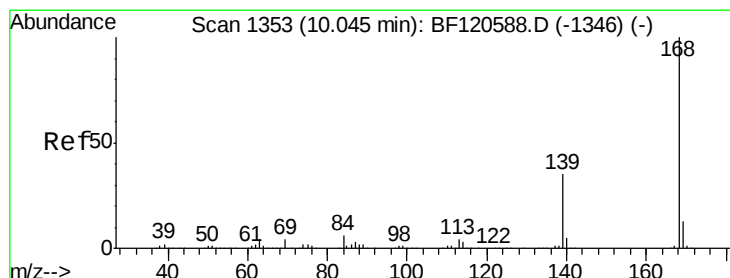
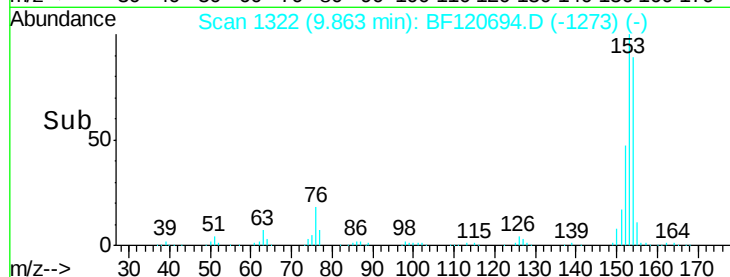
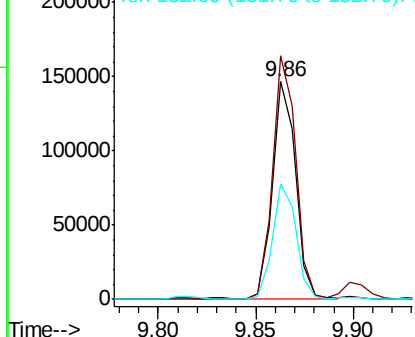
Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.1	133.7
152	53.1	43.7	65.5

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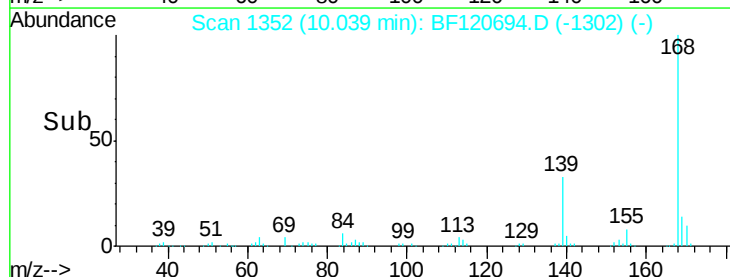
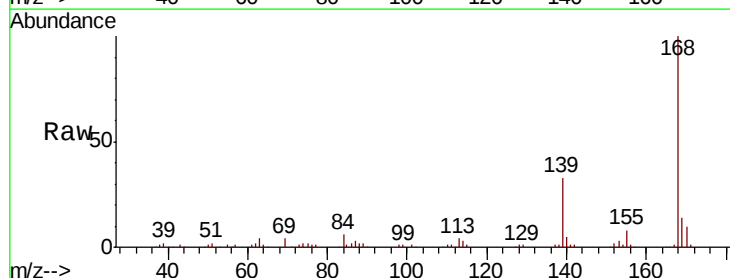
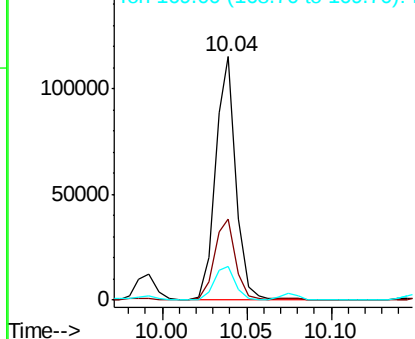
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

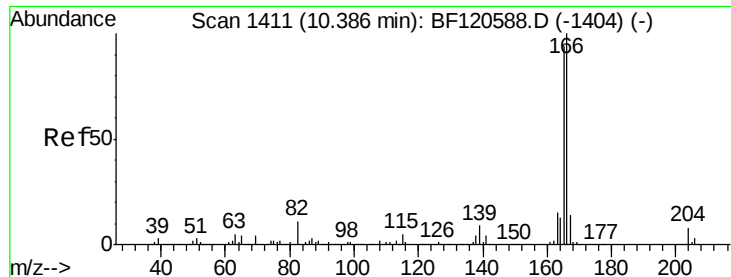


#55
Dibenzofuran
Concen: 4.766 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.4	28.1	42.1
169	14.0	10.6	16.0

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





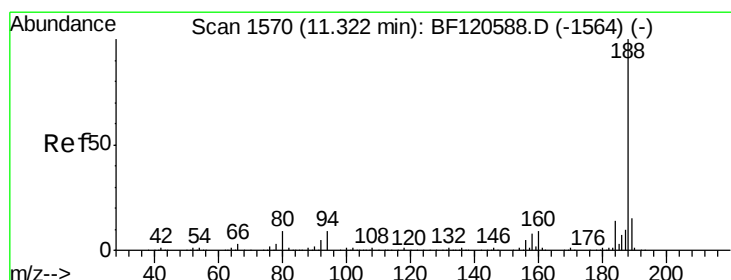
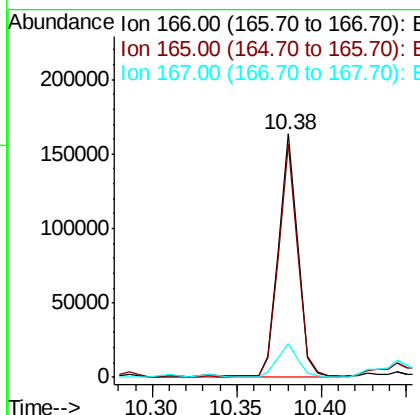
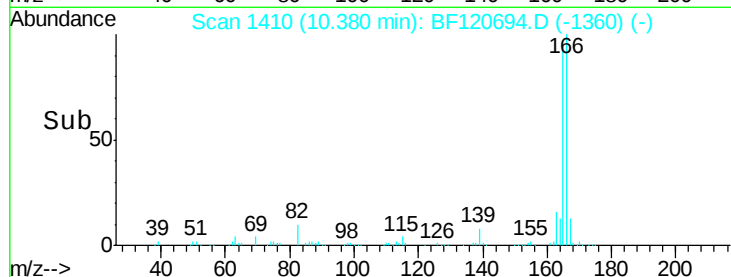
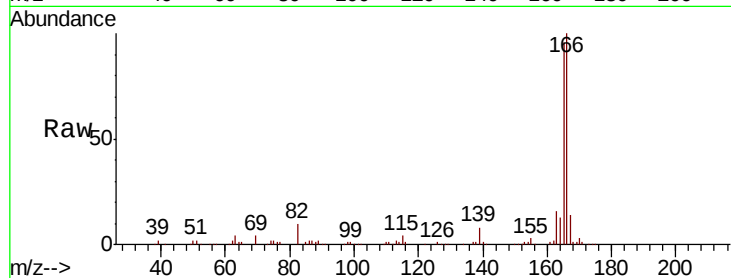
#58
 Fluorene
 Concen: 8.244 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-16

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.8	75.0	112.6
167	13.9	11.0	16.4

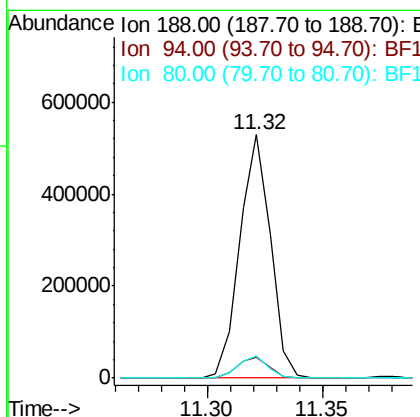
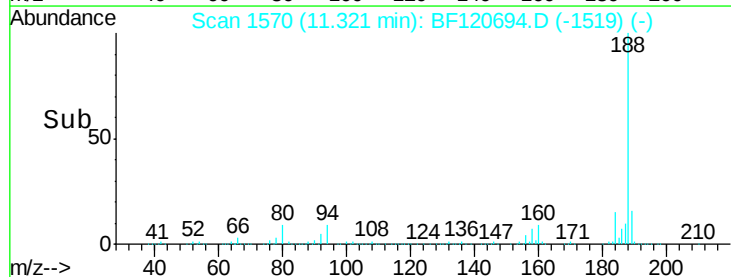
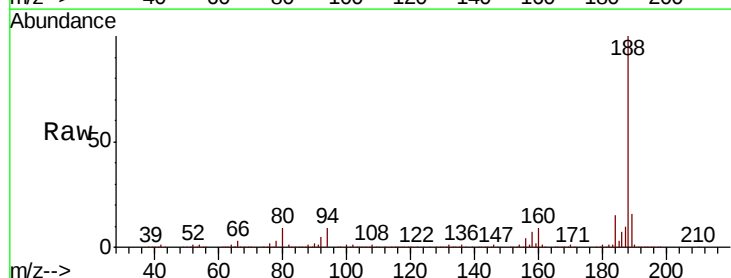
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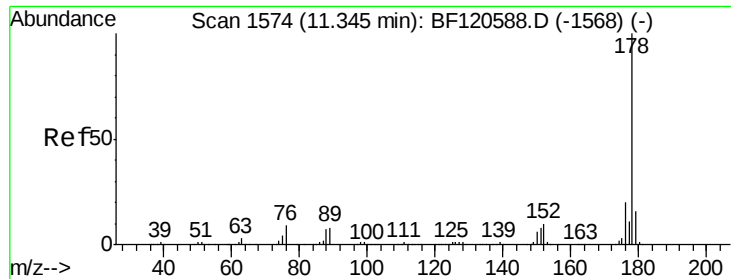
Sohil
 6/23/2020 2:03:47 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	9.2	7.4	11.2





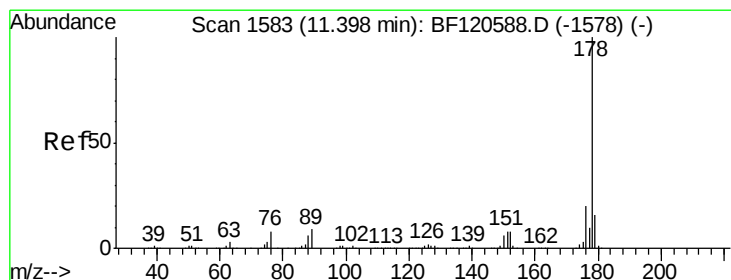
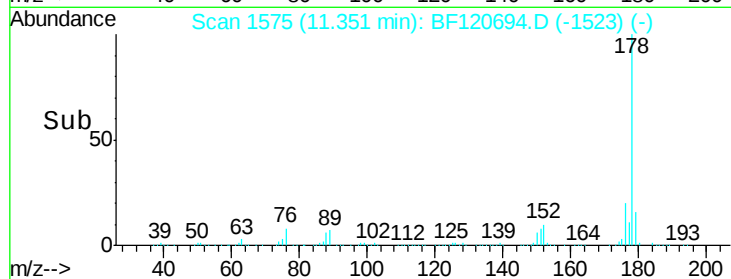
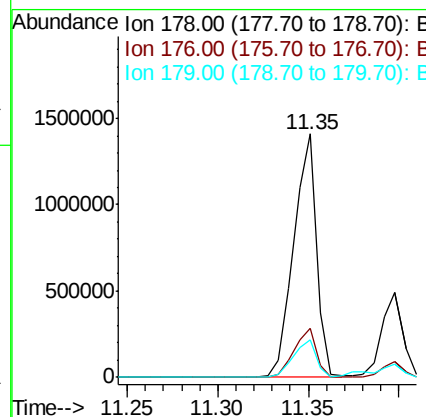
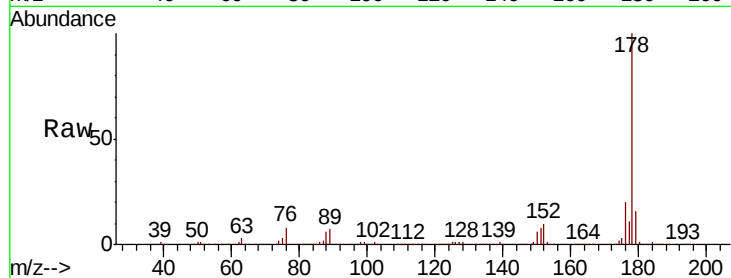
#71
Phenanthrene
Concen: 50.958 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampleId :
SB-16

Tot Ion:178 Resp: 1244571
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 15.7 12.8 19.2

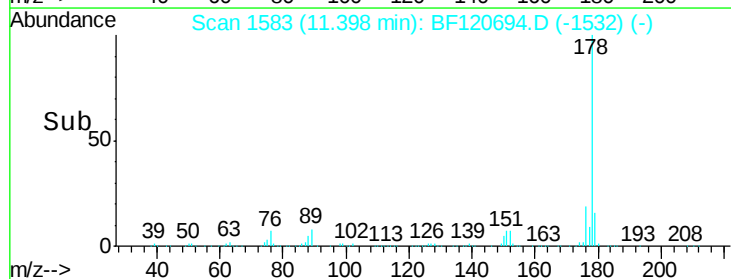
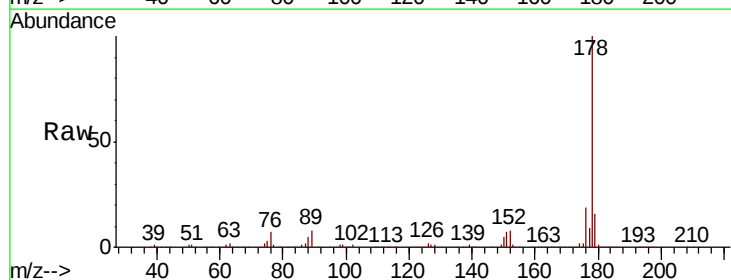
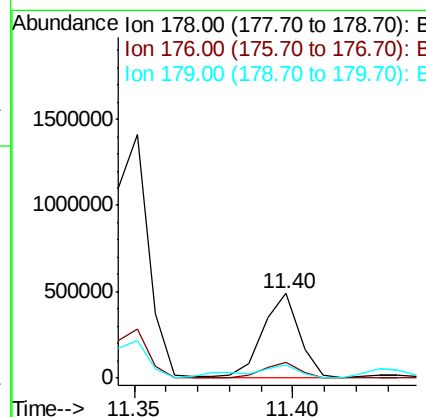
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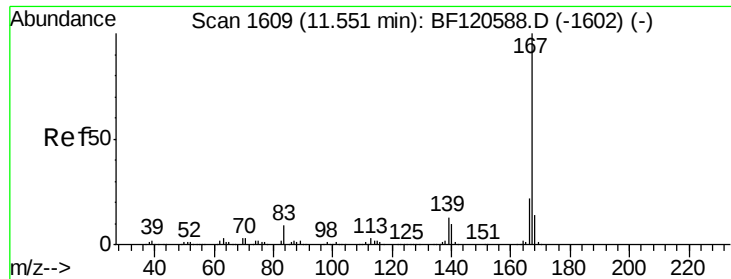
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6/23/2020 2:03:47 PM



#72
Anthracene
Concen: 15.942 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion:178 Resp: 392464
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.6 12.9 19.3





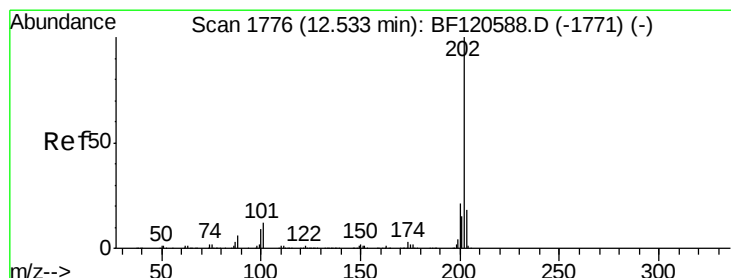
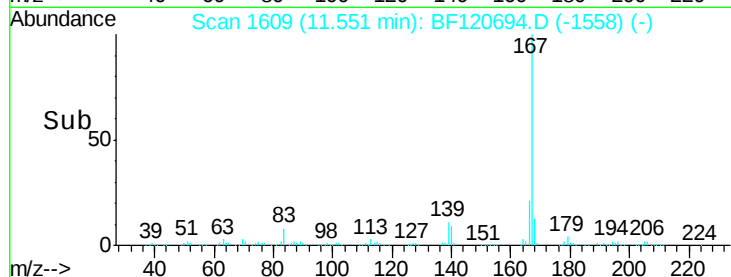
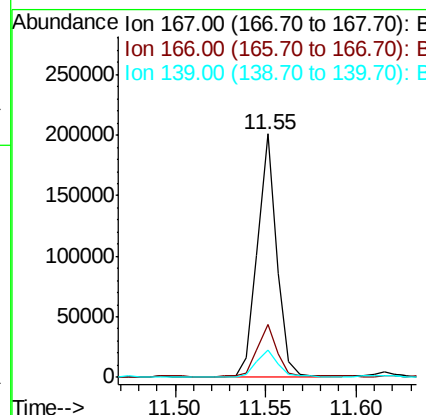
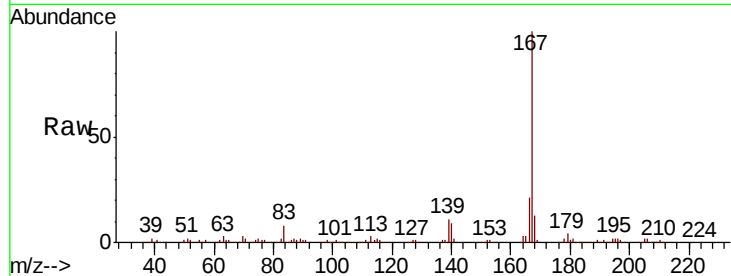
#73
 Carbazole
 Concen: 6.194 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Instrument :
 BNA_F
 ClientSampled :
 SB-16

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.5	17.2	25.8	
139	11.3	10.1	15.1	

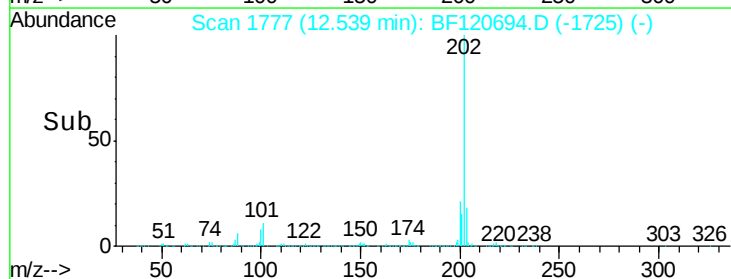
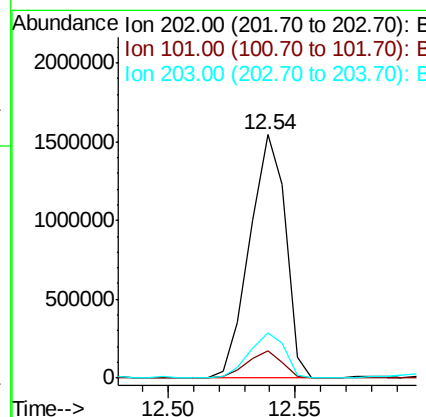
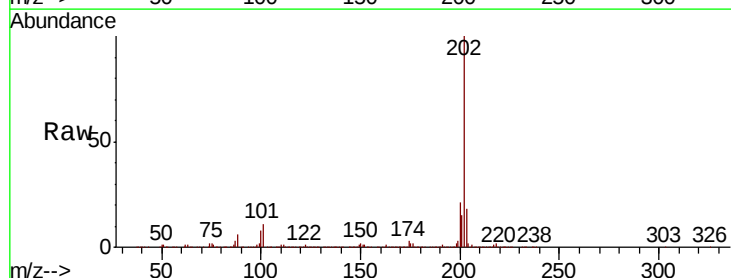
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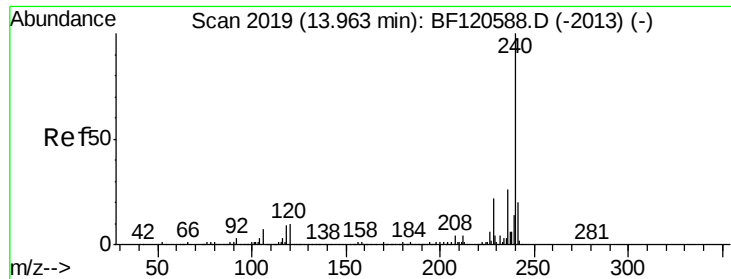
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#75
 Fluoranthene
 Concen: 54.405 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.2	0.0	32.0	
203	18.5	0.0	38.3	





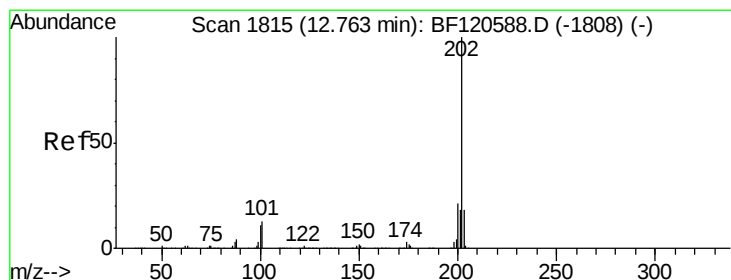
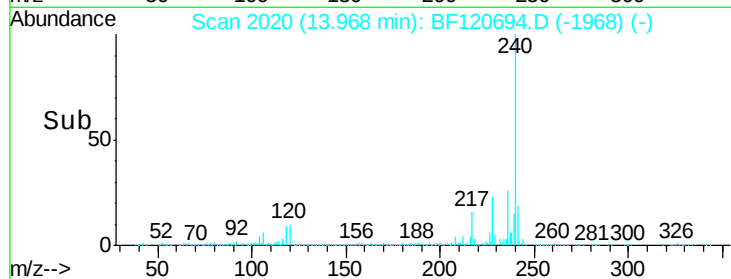
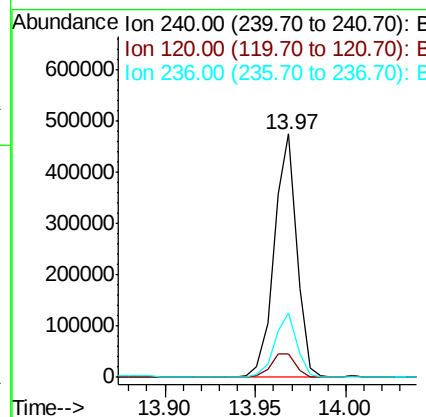
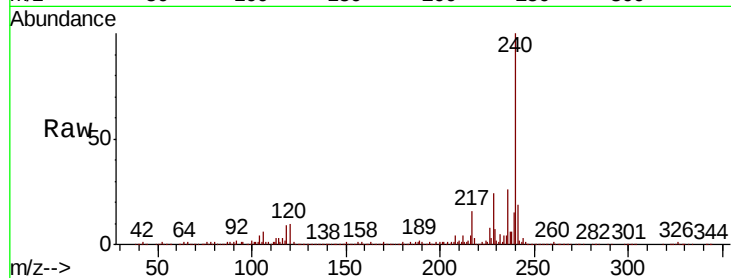
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampleId :
SB-16

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.3	12.5
236	26.4	21.0	31.4

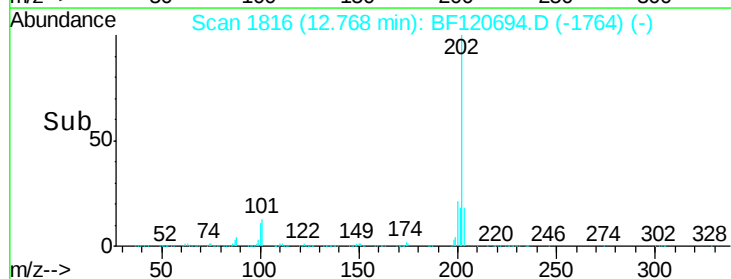
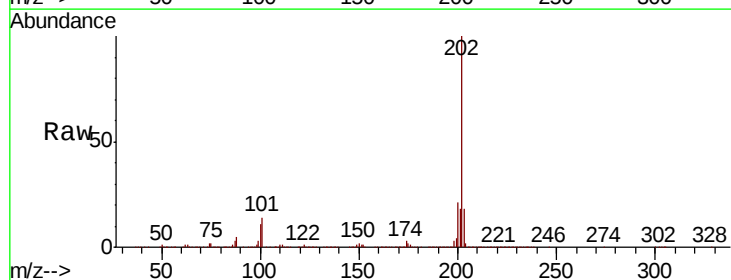
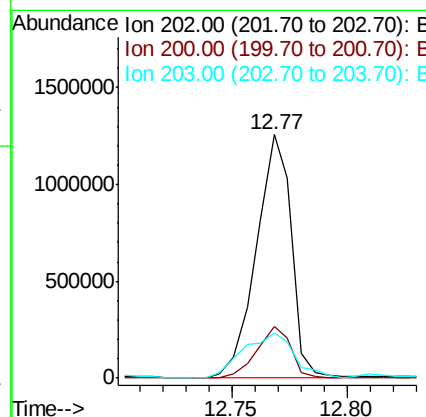
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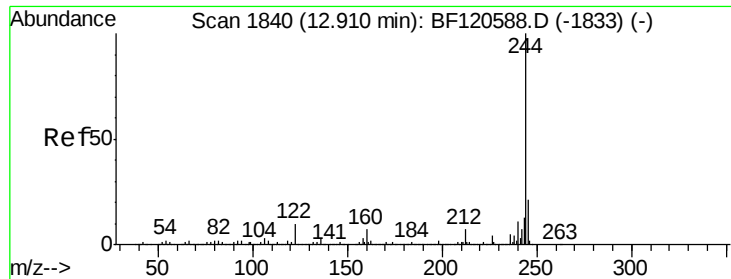
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6/23/2020 2:03:47 PM



#78
Pyrene
Concen: 46.020 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.5	14.3	21.5





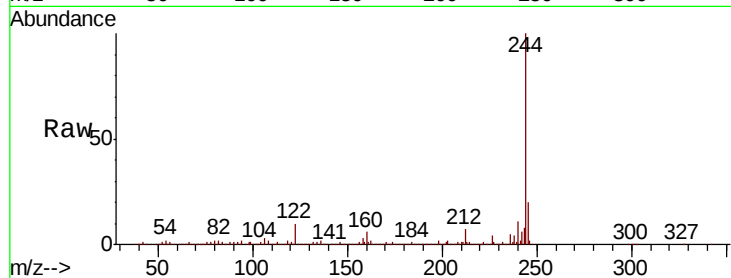
#79
 Terphenyl-d14
 Concen: 85.510 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-16

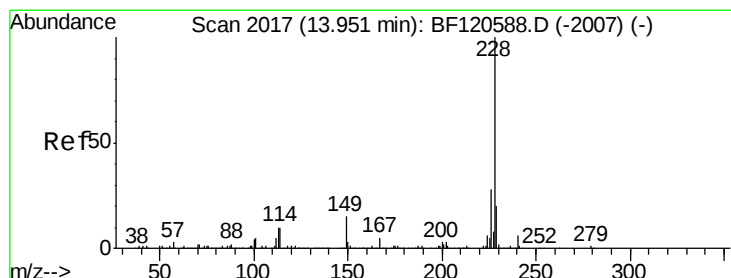
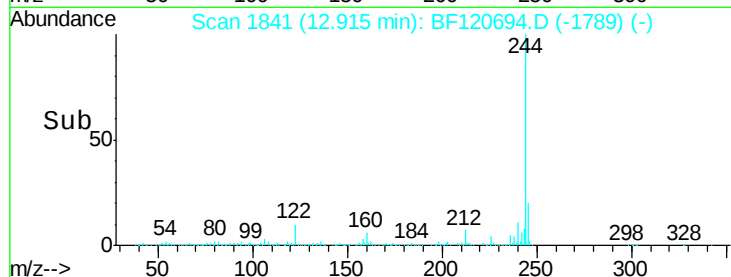
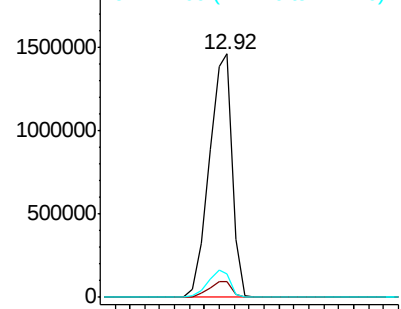
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.9	8.3	12.5

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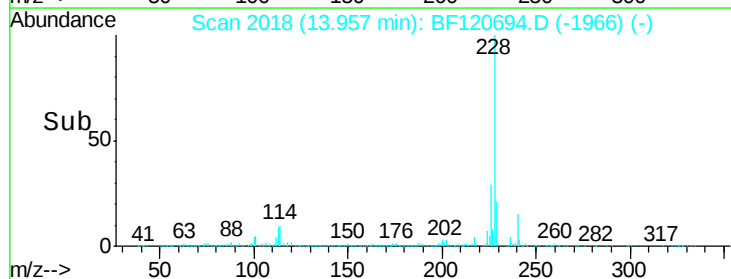
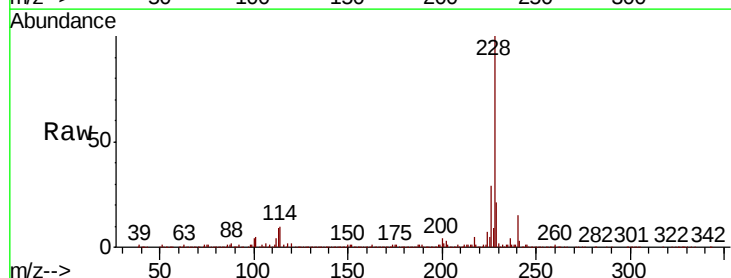
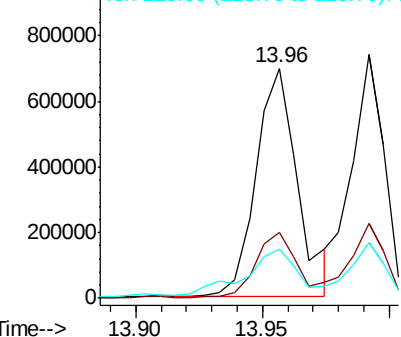
Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

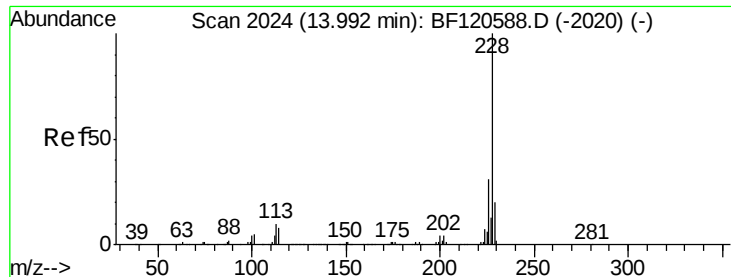


#81
 Benzo(a)anthracene
 Concen: 32.453 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	21.3	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
 1000000 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





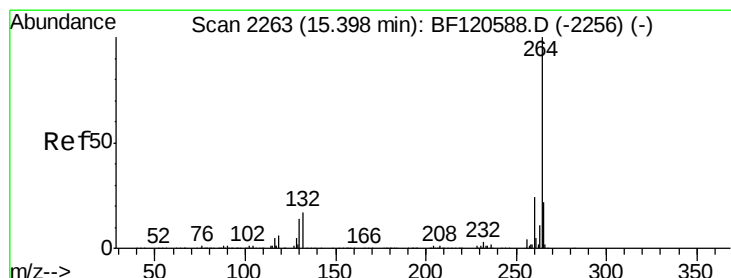
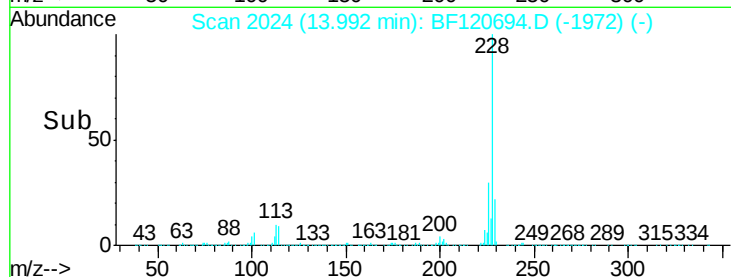
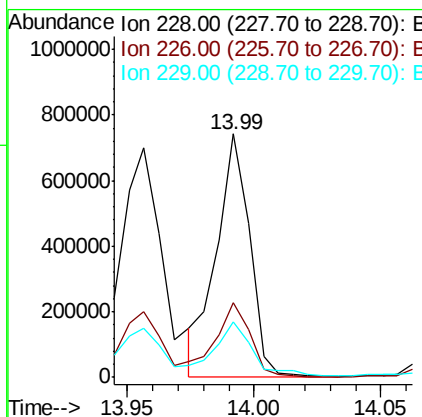
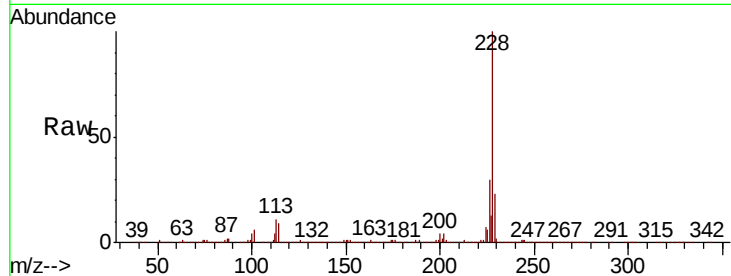
#83
Chrysene
Concen: 26.713 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampled :
SB-16

Tot Ion:	228	Resp:	669901
Ion Ratio		Lower	Upper
228	100		
226	30.4	24.9	37.3
229	22.6	16.1	24.1

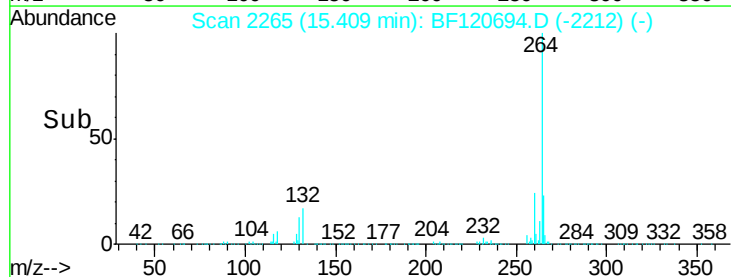
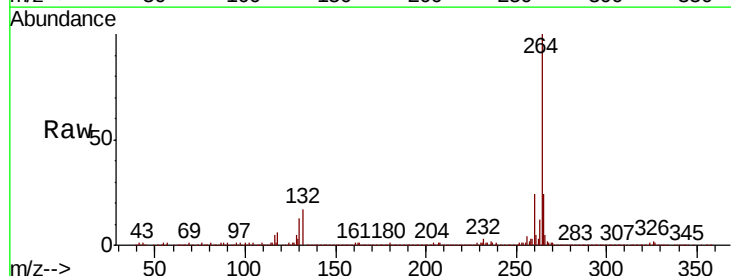
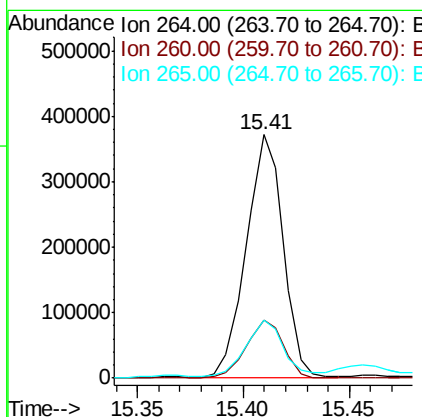
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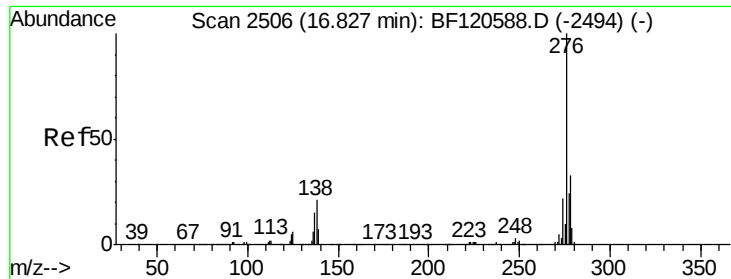
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion:	264	Resp:	449121
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.3	28.9
265	23.9	17.8	26.8





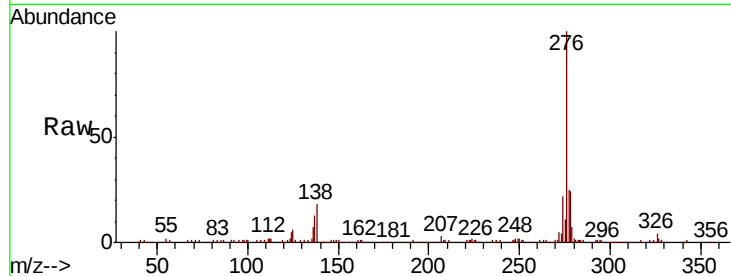
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.749 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. 0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Instrument :
 BNA_F
 ClientSampled :
 SB-16

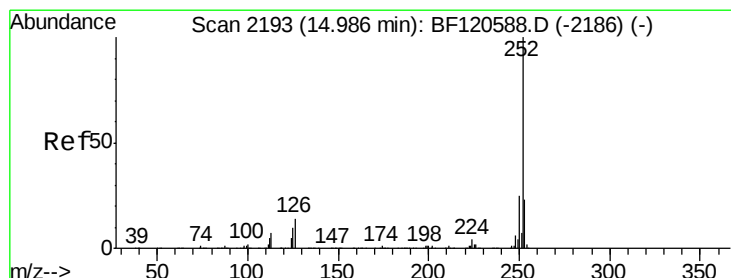
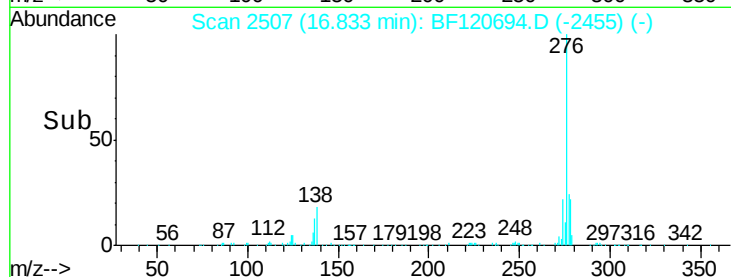
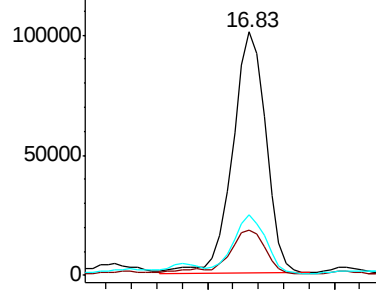
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.9	28.3
277	23.7	20.2	30.2

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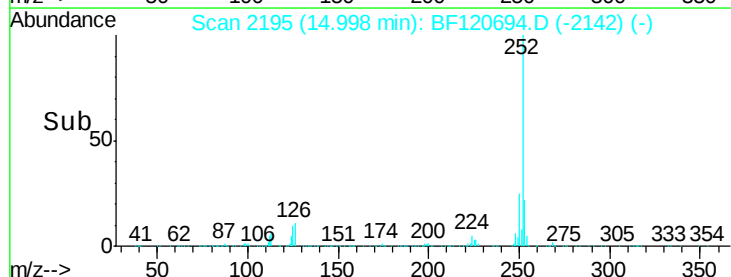
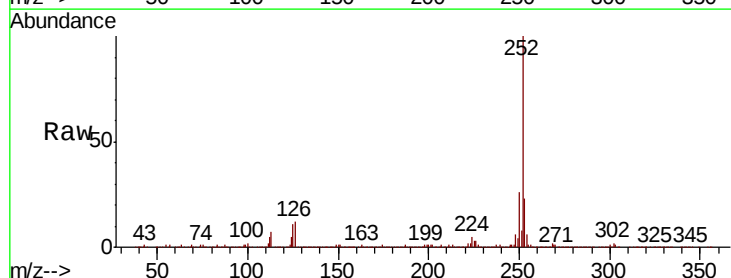
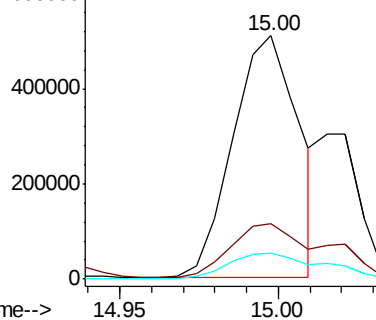
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

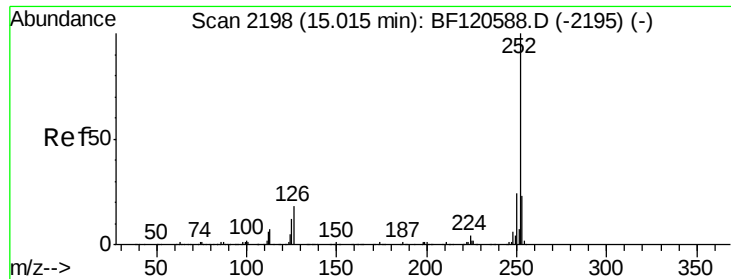


#88
 Benzo(b)fluoranthene
 Concen: 27.526 ng m
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF120694.D
 Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.6	8.3	12.5

Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





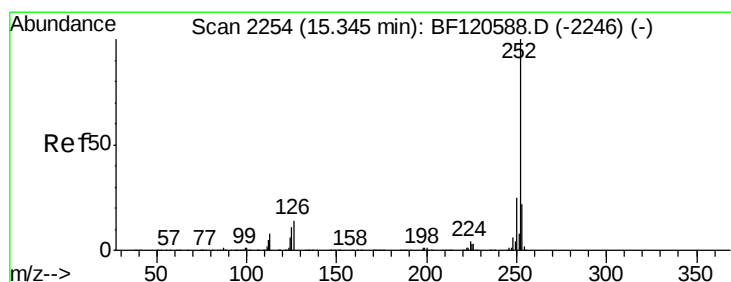
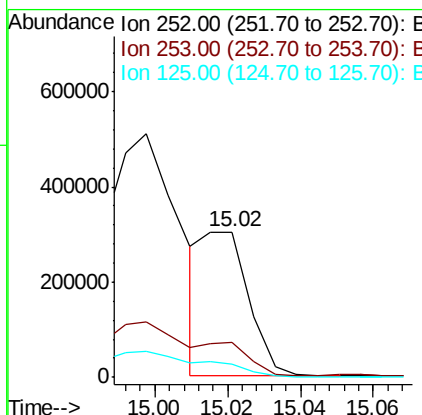
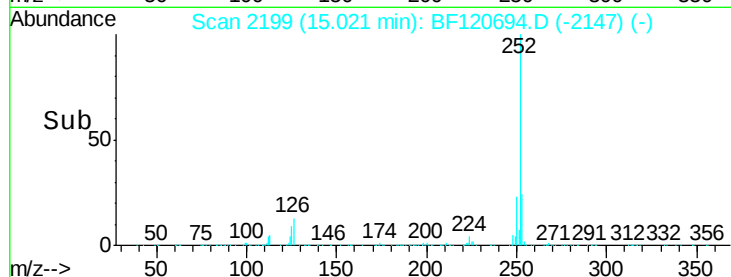
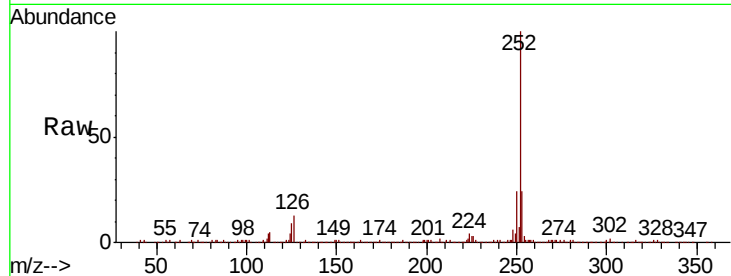
#89
Benzo(k)fluoranthene
Concen: 11.119 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampleId :
SB-16

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	9.1	8.3	12.5

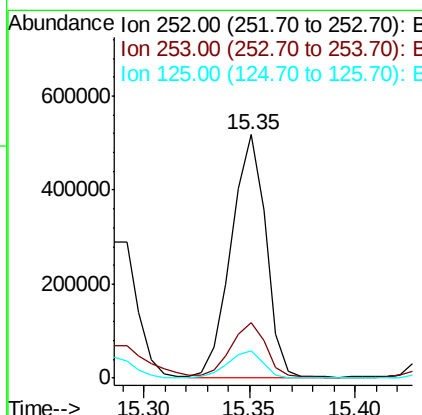
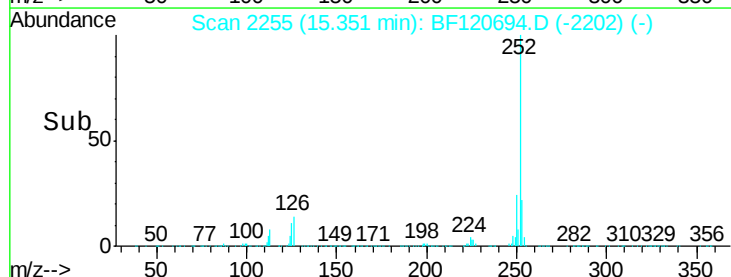
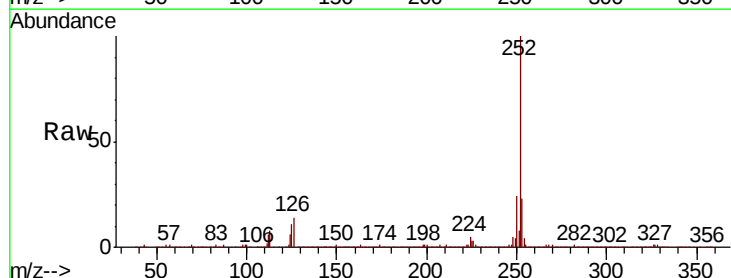
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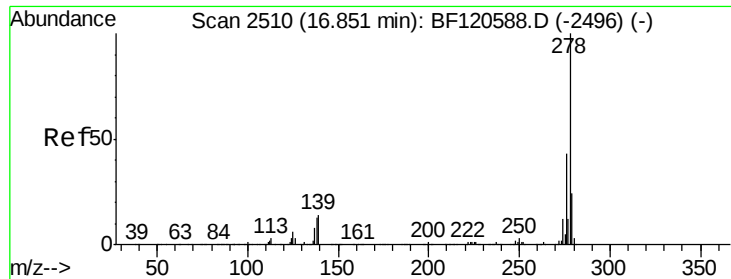
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#90
Benzo(a)pyrene
Concen: 24.395 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	11.1	8.6	12.8





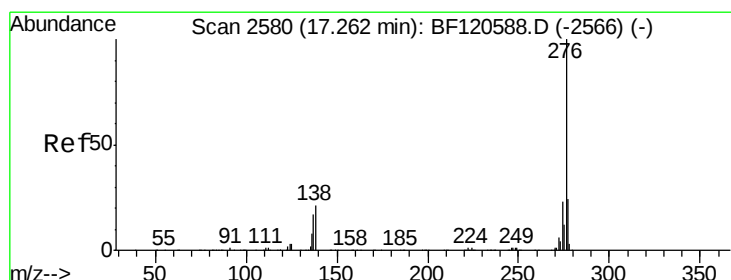
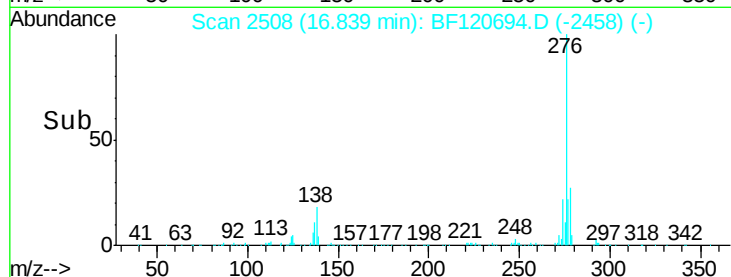
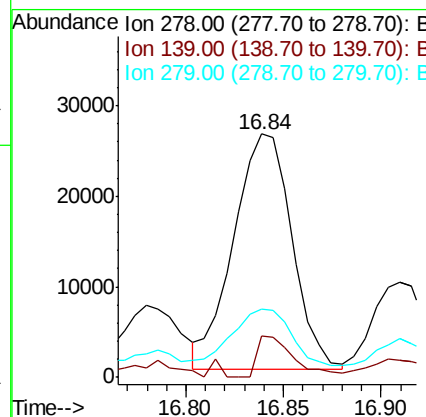
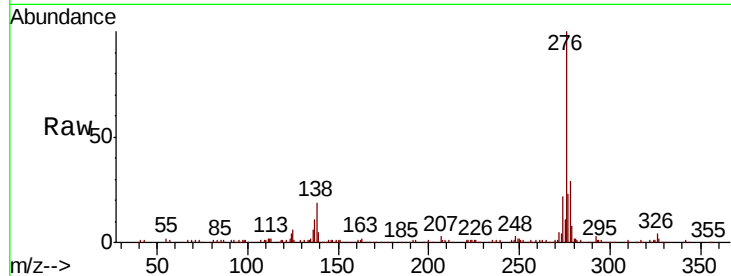
#91
Dibenzo(a,h)anthracene
Concen: 2.454 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Instrument :
BNA_F
ClientSampled :
SB-16

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.1	11.4	17.2
279	28.3	19.1	28.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.750 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF120694.D
Acq: 23 Jun 2020 00:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	18.7	16.5	24.7

