

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
 Data File : BF120352.D
 Acq On : 18 May 2020 20:01
 Operator : MA/SJ
 Sample : L2663-04DL 25X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 72-11935DL

Manual Integrations
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Quant Time: May 19 05:31:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 15:23:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	238980	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1013449	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	520344	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	880122	20.00	ng	0.00
76) Chrysene-d12	13.76	240	516088	20.00	ng	0.00
87) Perylene-d12	15.14	264	517169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	39913	3.25	ng	0.01
7) Phenol-d6	6.26	99	57301	3.69	ng	0.00
23) Nitrobenzene-d5	7.17	82	44396	3.00	ng	0.00
42) 2,4,6-Tribromophenol	10.43	330	17072	4.02	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	91228	3.60	ng	0.00
79) Terphenyl-d14	12.71	244	89592	3.84	ng	0.00
Target Compounds						
52) Acenaphthene	9.67	154	181325	7.241	ng	98
55) Dibenzofuran	9.85	168	180664	5.010	ng	97
58) Fluorene	10.19	166	208065	7.576	ng	100
71) Phenanthrene	11.15	178	1698892	45.937	ng	99
72) Anthracene	11.20	178	574920	14.521	ng	97
73) Carbazole	11.36	167	135277	3.657	ng	# 94
75) Fluoranthene	12.34	202	1634474	41.234	ng	98
78) Pyrene	12.56	202	1296108	35.228	ng	99
81) Benzo(a)anthracene	13.75	228	543654	19.972	ng	98
83) Chrysene	13.78	228	504713	17.267	ng	97
86) Indeno(1,2,3-cd)pyrene	16.45	276	172476	6.501	ng	96
88) Benzo(b)fluoranthene	14.76	252	465591m	16.485	ng	
89) Benzo(k)fluoranthene	14.78	252	157630m	6.442	ng	
90) Benzo(a)pyrene	15.09	252	331616	13.092	ng	100
91) Dibenzo(a,h)anthracene	16.46	278	57126	2.546	ng	92
92) Benzo(g,h,i)perylene	16.84	276	152264	6.729	ng	97

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

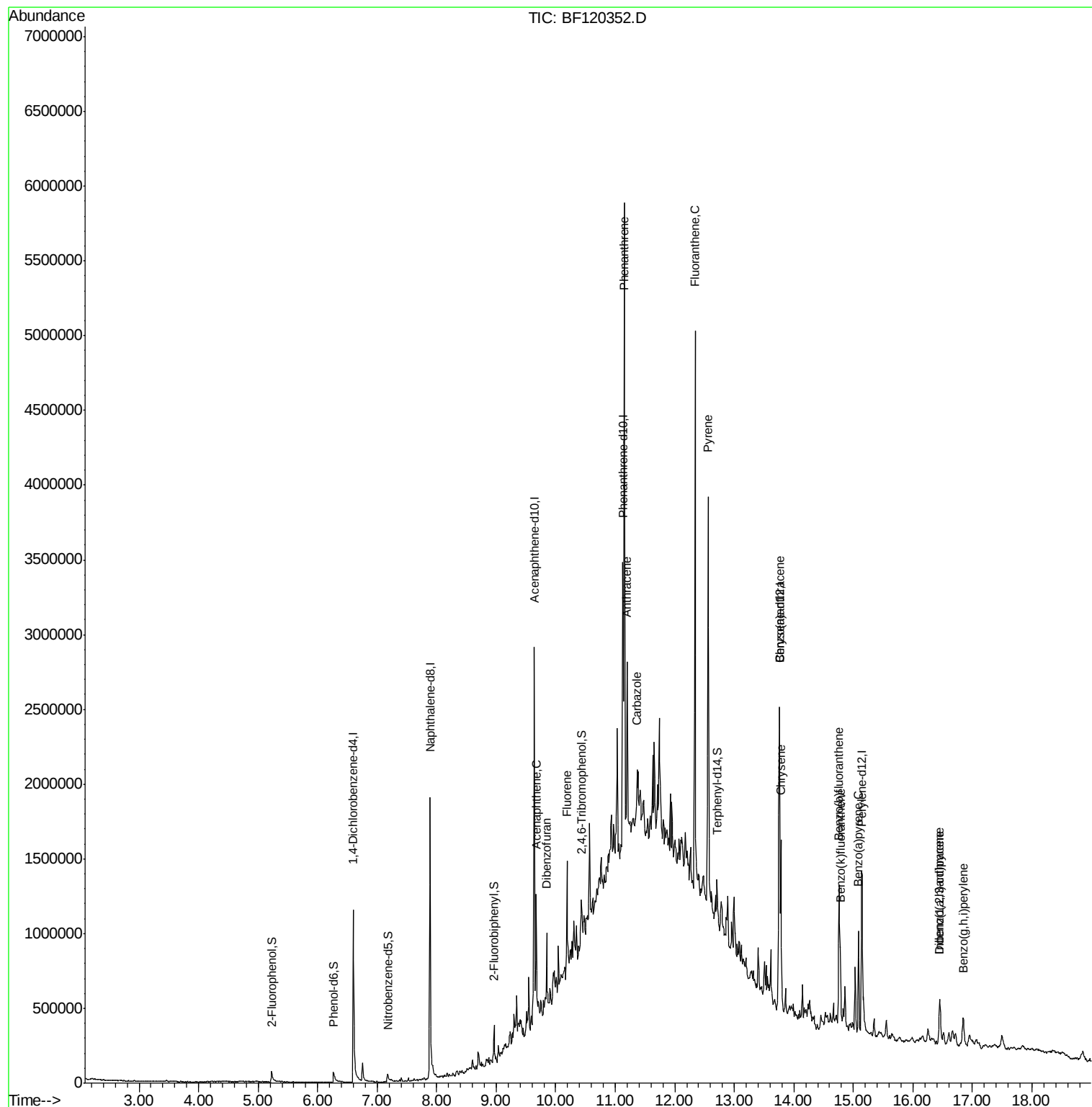
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120352.D
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ALS Vial : 15 Sample Multiplier: 1

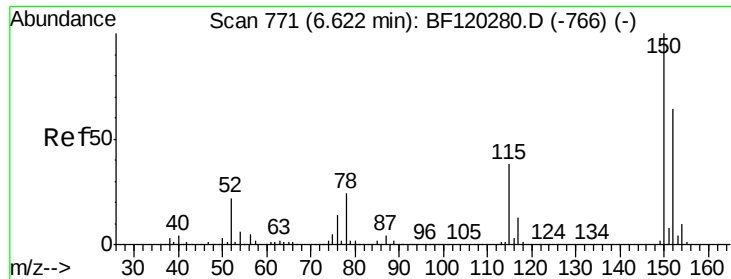
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

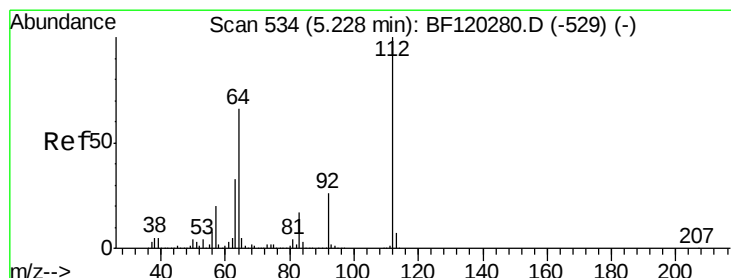
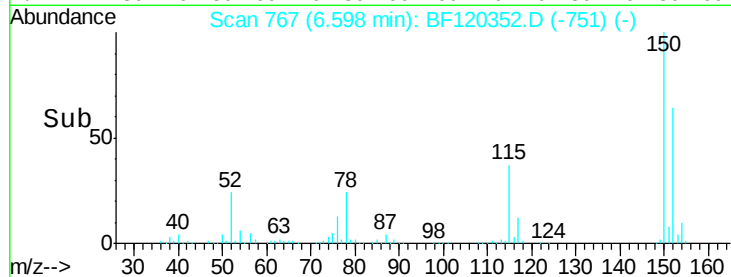
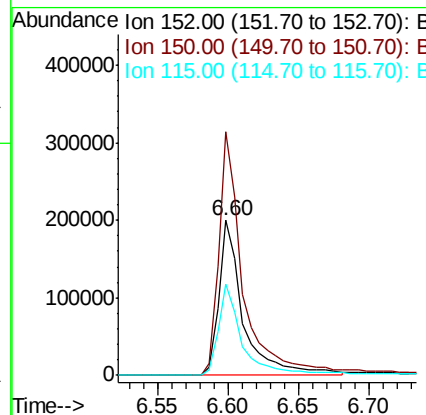
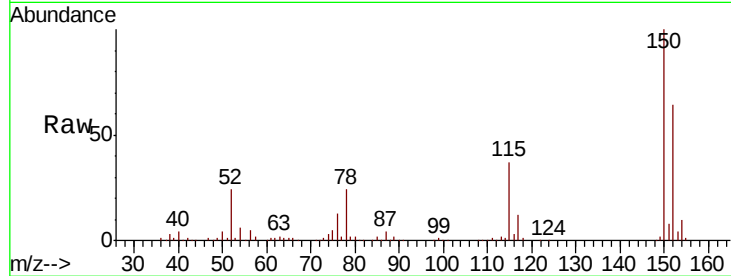
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	58.7	47.9	71.9

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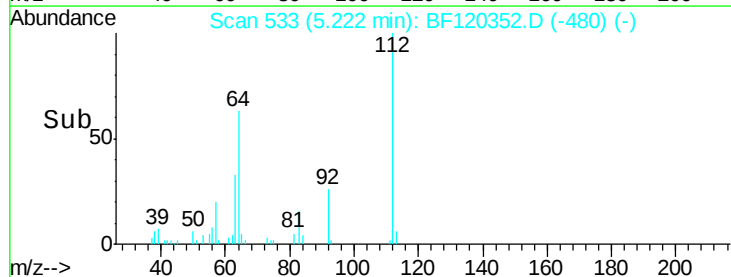
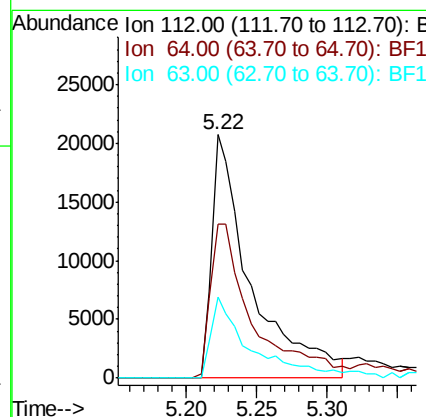
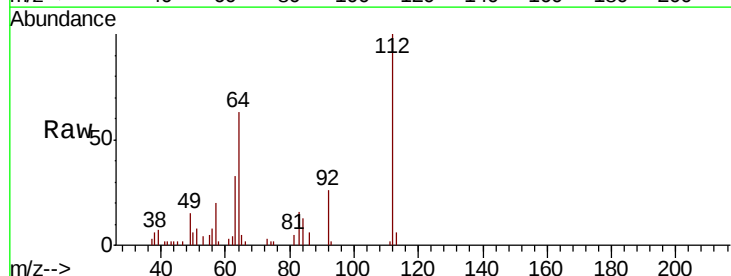
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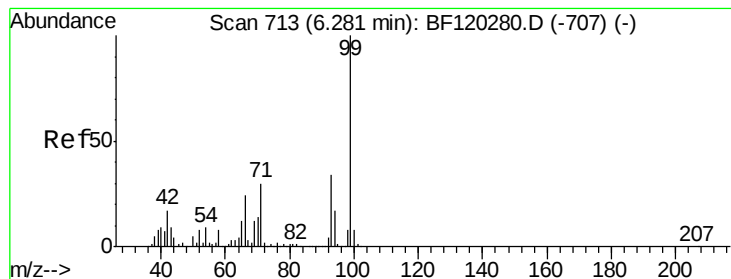


#5

2-Fluorophenol
Concen: 3.250 ng
RT: 5.22 min Scan# 533
Delta R.T. 0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	52.7	79.1
63	33.3	26.2	39.4





#7

Phenol-d6

Concen: 3.689 ng

RT: 6.26 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF120352.D

Acq: 18 May 2020 20:01

Instrument :

BNA_F

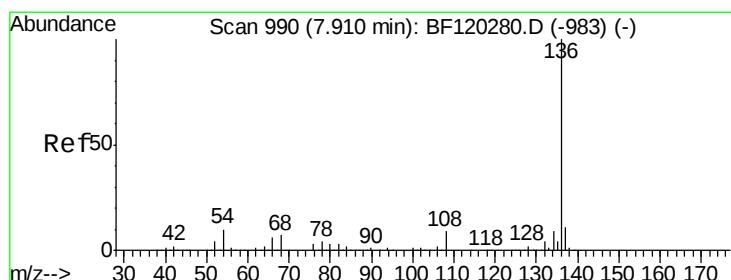
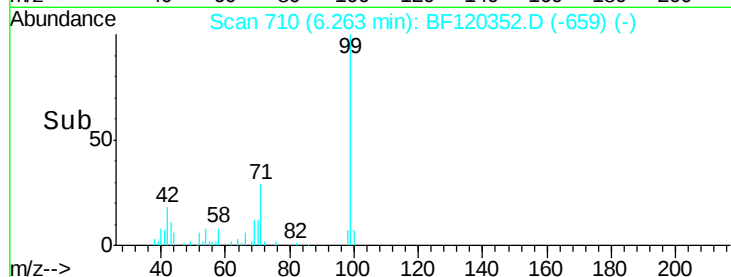
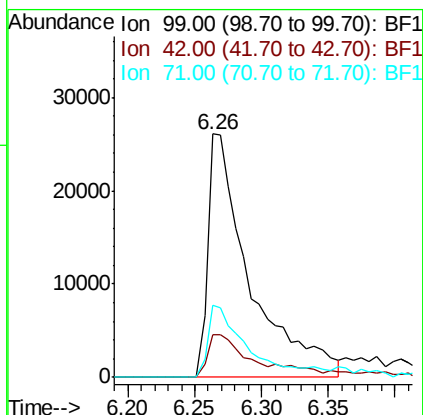
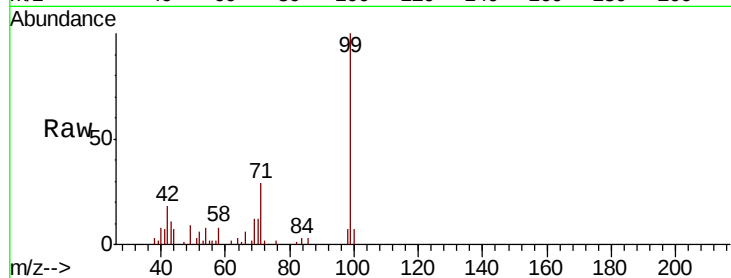
ClientSampleId :

72-11935DL

Tot Ion:	99	Resp:	57301
Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.6	20.4
71	29.5	24.2	36.4

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#21

Naphthalene-d8

Concen: 20.000 ng

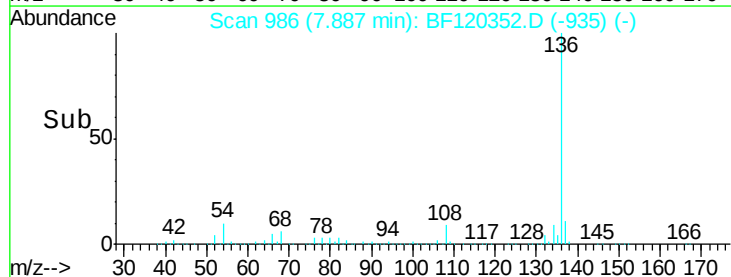
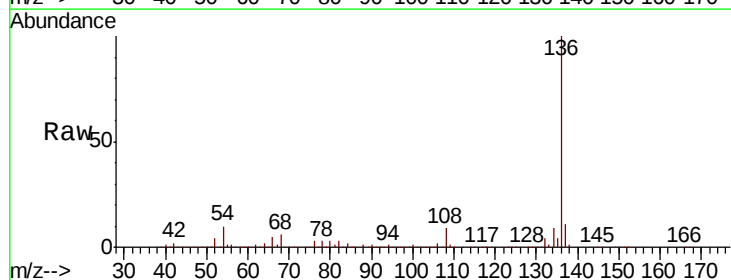
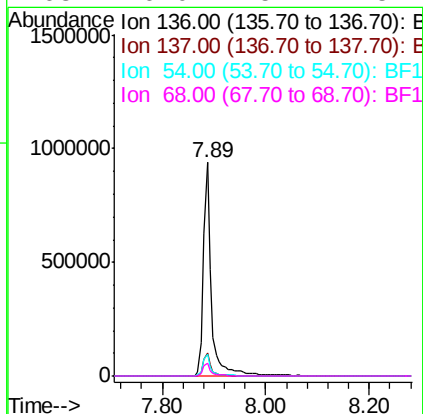
RT: 7.89 min Scan# 986

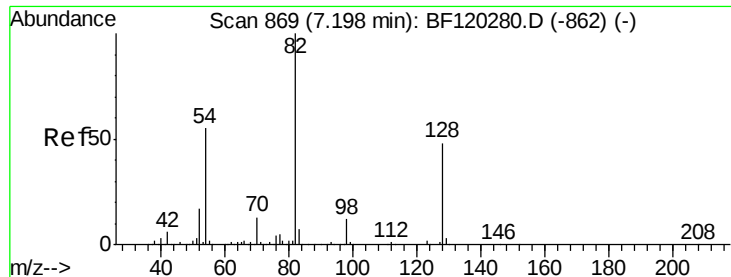
Delta R.T. -0.00 min

Lab File: BF120352.D

Acq: 18 May 2020 20:01

Tgt Ion:	136	Resp:	1013449
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.2	7.9	11.9
68	6.0	5.4	8.2





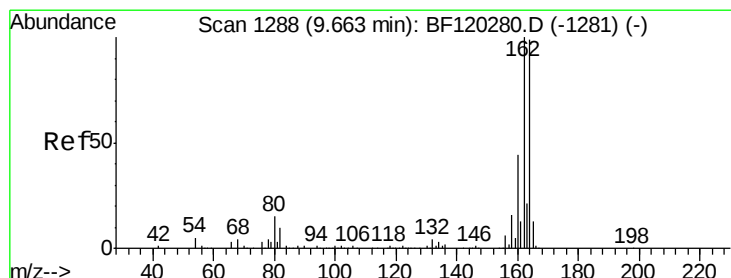
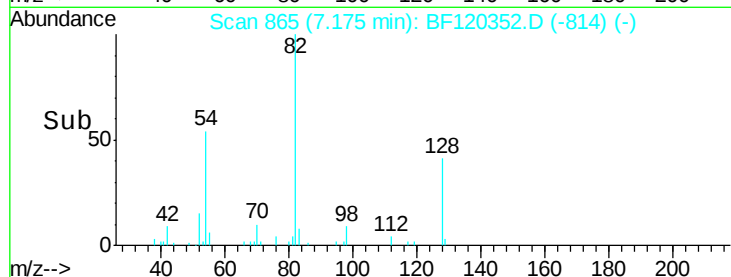
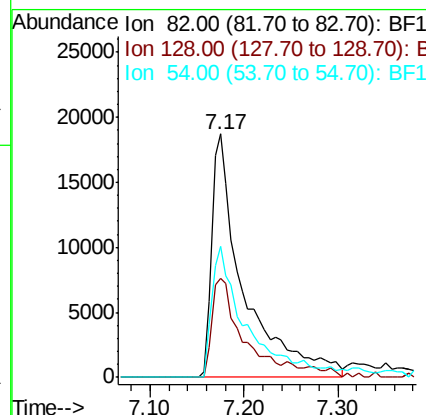
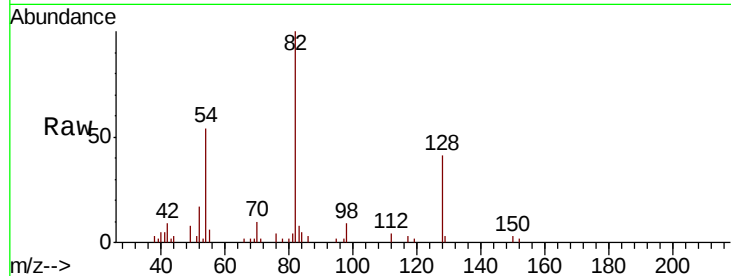
#23
Nitrobenzene-d5
Concen: 2.999 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.00 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	38.3	57.5
54	53.6	43.9	65.9

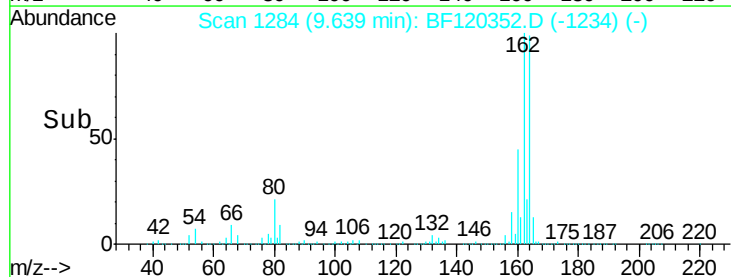
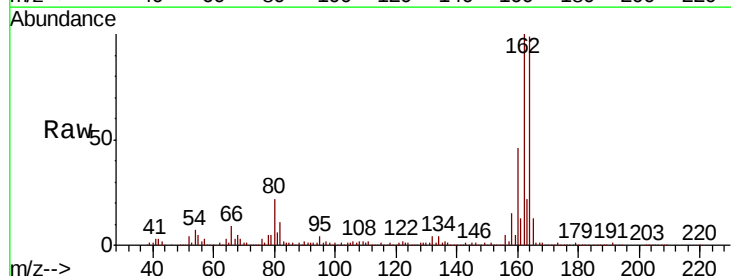
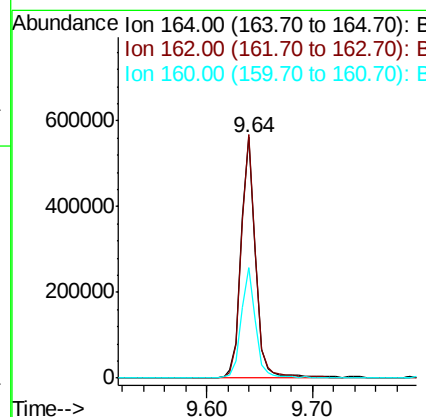
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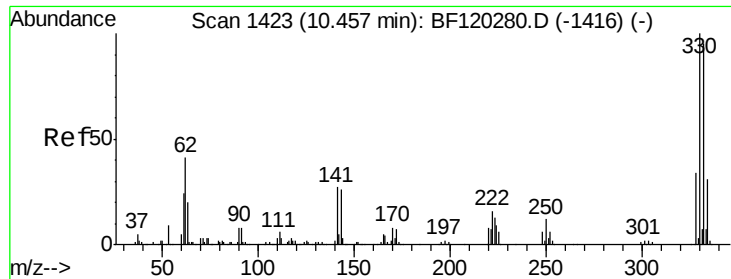
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.2	121.8
160	46.0	35.8	53.6





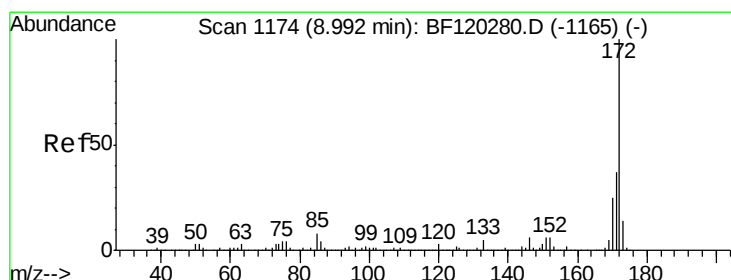
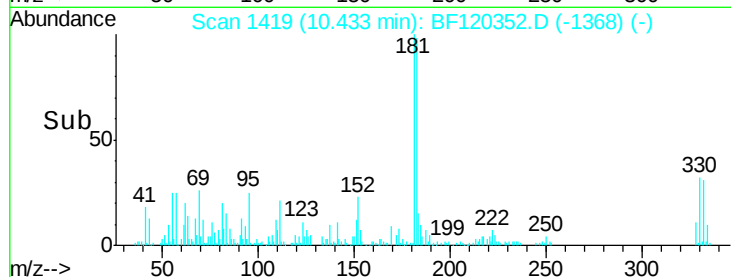
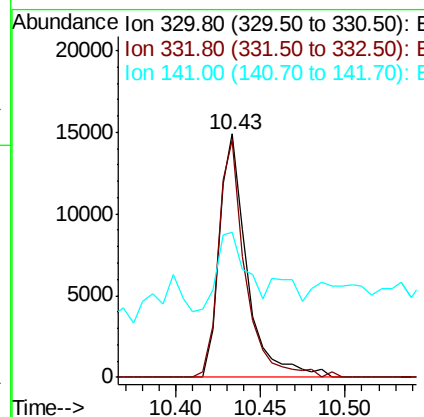
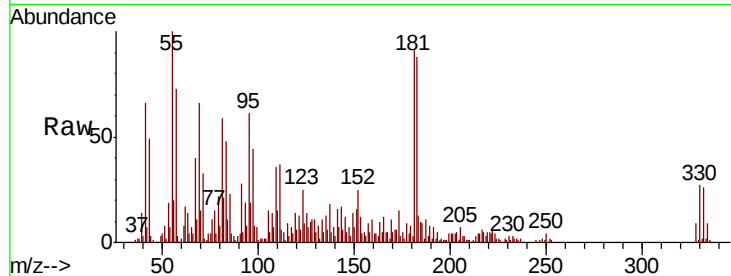
#42
 2,4,6-Tribromophenol
 Concen: 4.024 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Instrument :
 BNA_F
 ClientSampleId :
 72-11935DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.5	114.7
141	34.7	25.4	38.0

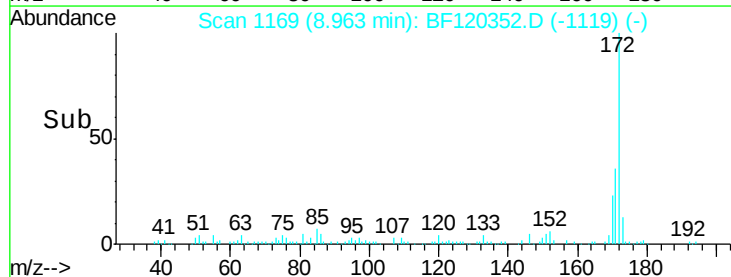
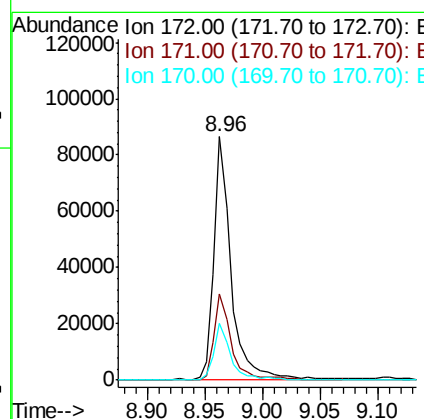
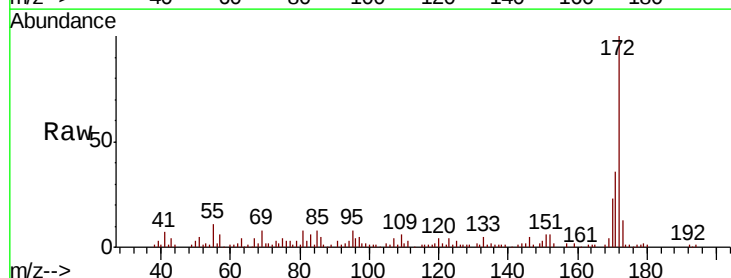
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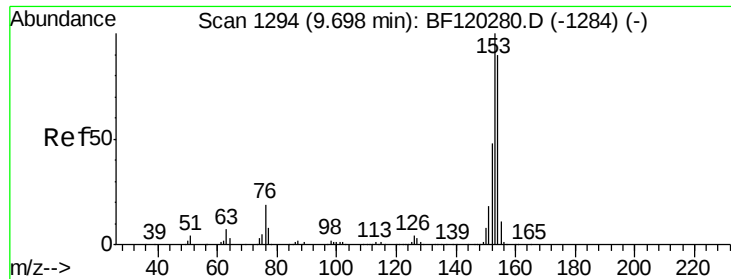
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#45
 2-Fluorobiphenyl
 Concen: 3.602 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.1	19.9	29.9





#52

Acenaphthene

Concen: 7.241 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF120352.D

Acq: 18 May 2020 20:01

Instrument :

BNA_F

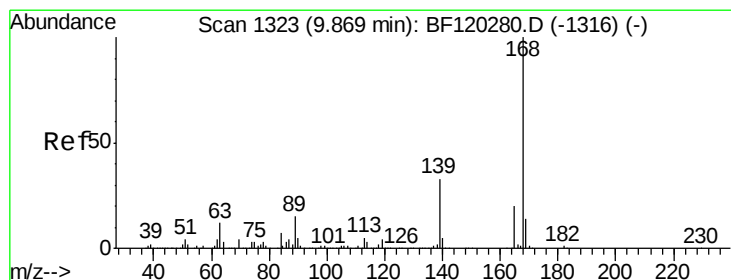
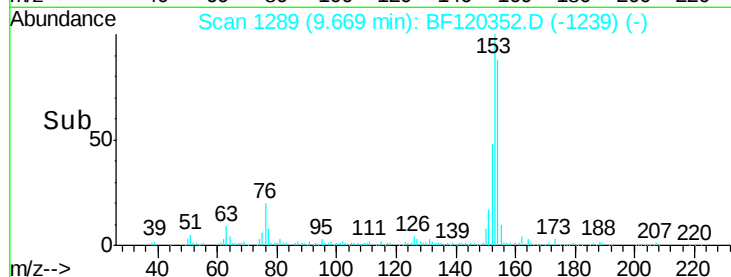
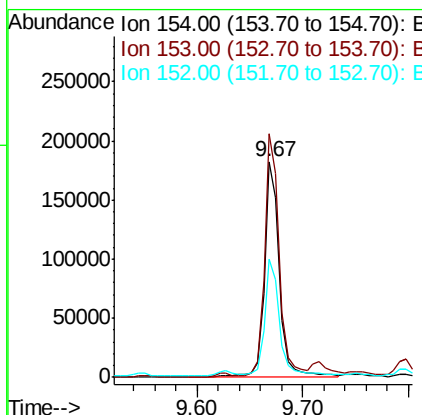
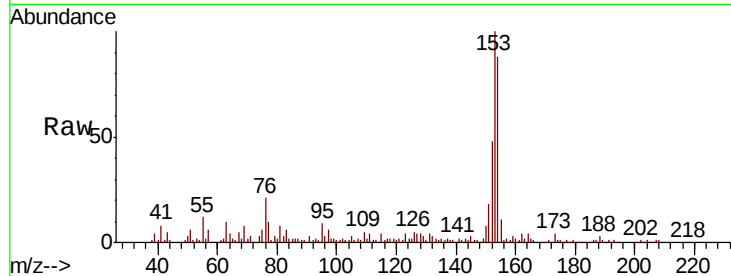
ClientSampled :

72-11935DL

Tot Ion:	154	Resp:	181325
Ion Ratio	Lower	Upper	
154	100		
153	113.0	89.0	133.4
152	54.7	42.6	64.0

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#55

Dibenzofuran

Concen: 5.010 ng

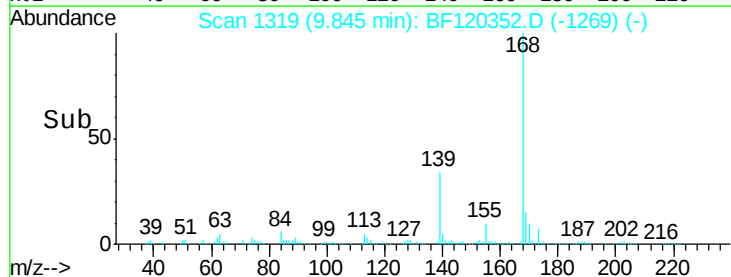
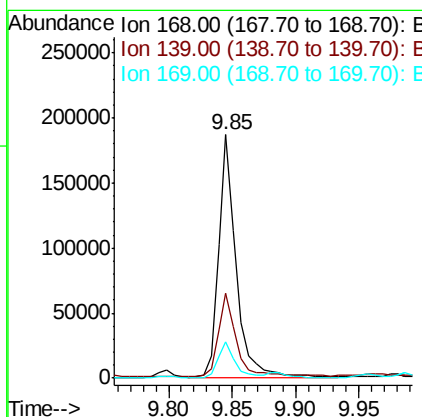
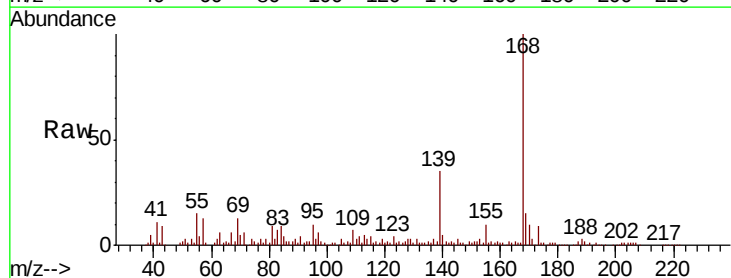
RT: 9.85 min Scan# 1319

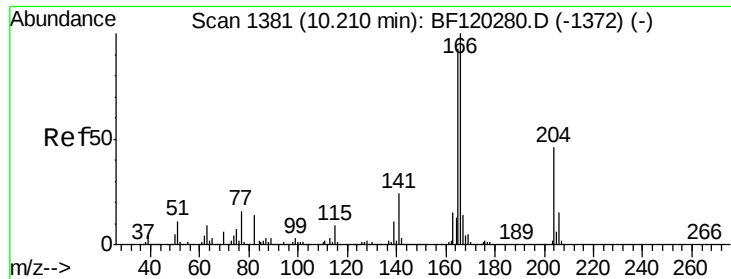
Delta R.T. -0.01 min

Lab File: BF120352.D

Acq: 18 May 2020 20:01

Tgt Ion:	168	Resp:	180664
Ion Ratio	Lower	Upper	
168	100		
139	34.9	29.8	44.6
169	14.7	11.0	16.6





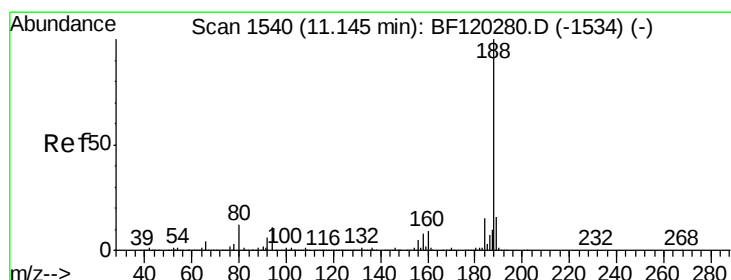
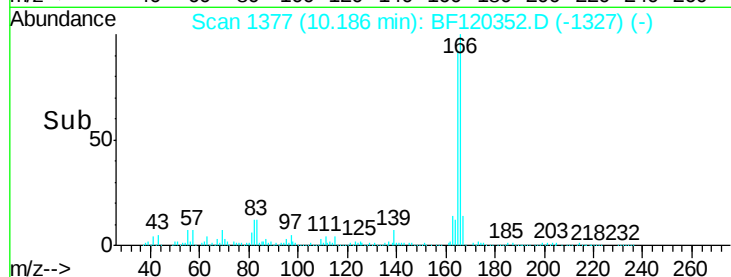
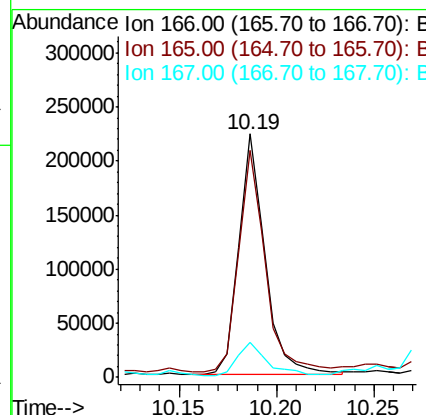
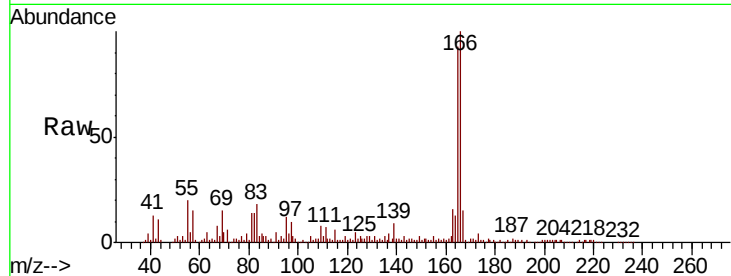
#58
Fluorene
 Concen: 7.576 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Instrument :
 BNA_F
 ClientSampleId :
 72-11935DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	208065		
165	93.1		74.7	112.1
167	14.6		11.4	17.0

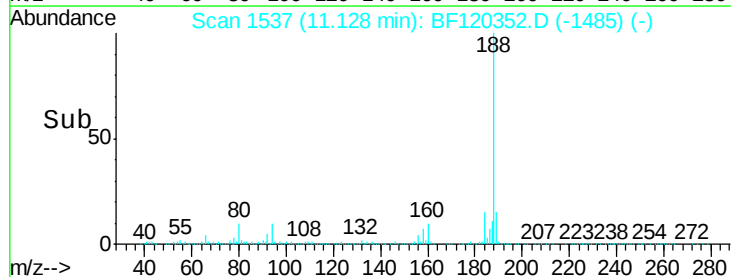
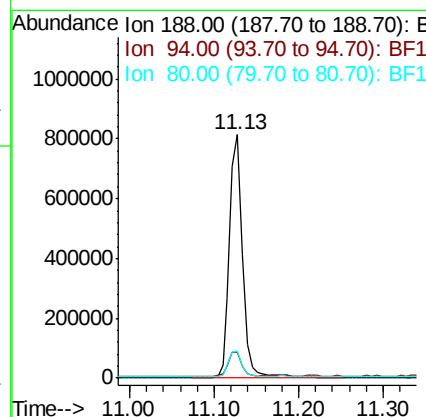
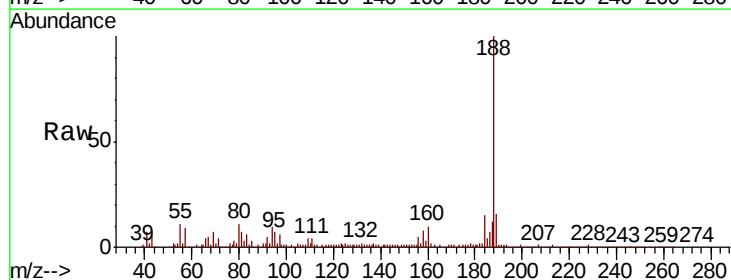
Manual Integrations
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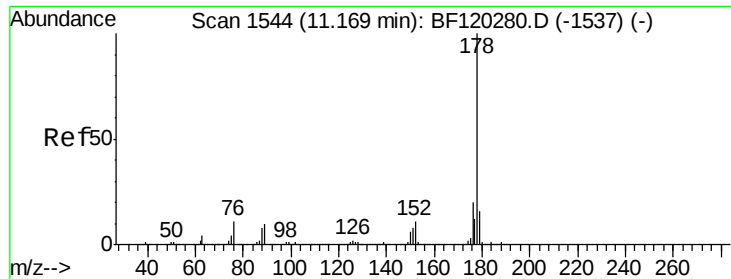
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.13 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	880122		
94	10.5		8.6	13.0
80	11.1		9.2	13.8





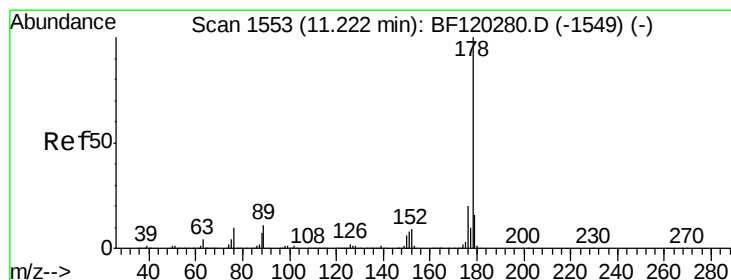
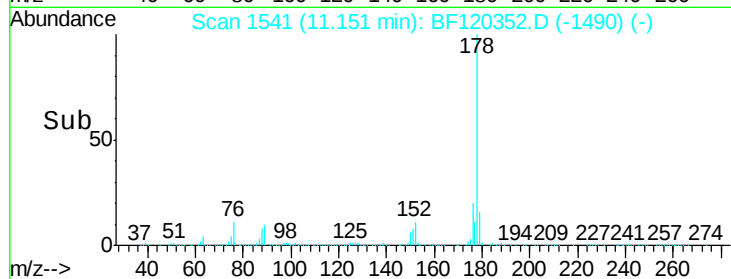
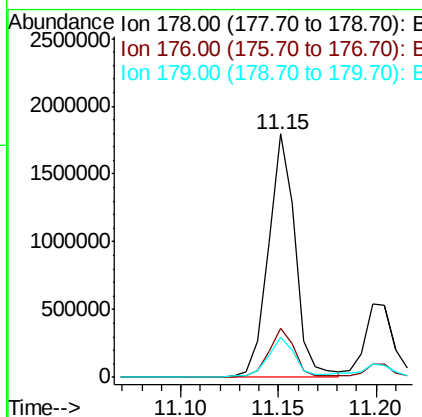
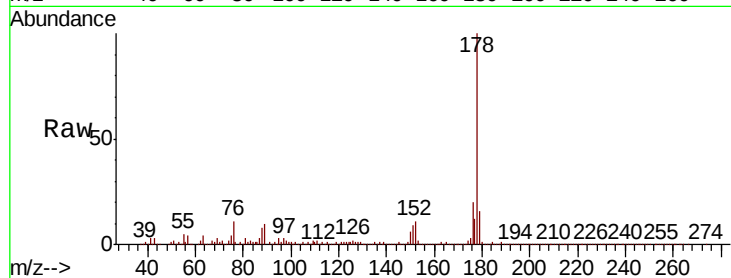
#71
Phenanthrene
Concen: 45.937 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.5	12.8	19.2

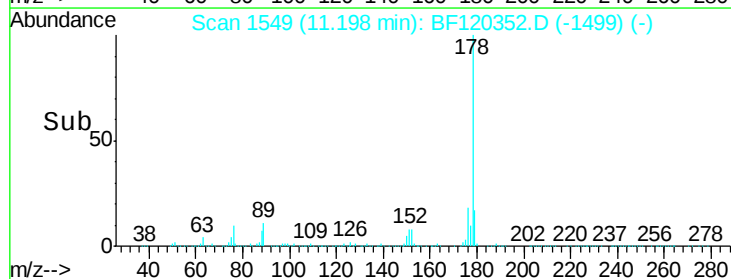
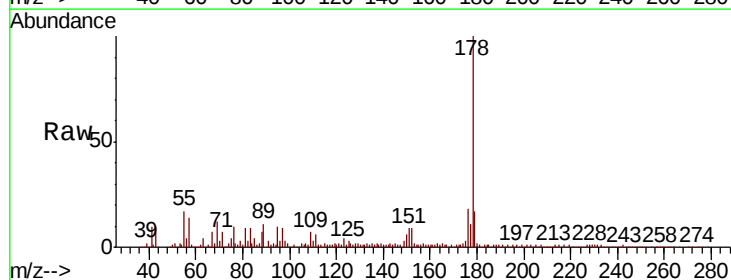
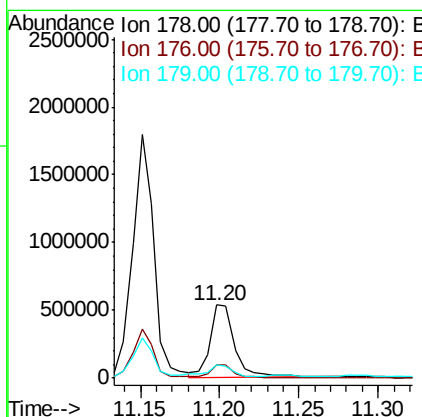
Manual Integrations
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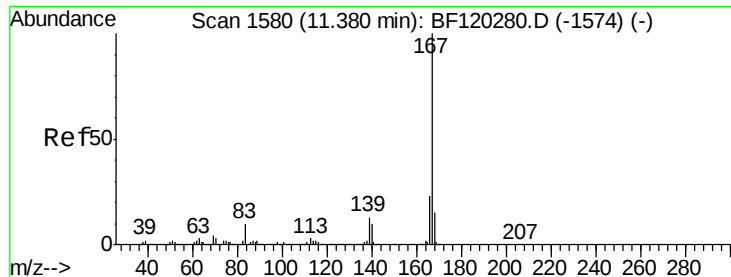
mohammad
5/19/2020 3:05:30 PM



#72
Anthracene
Concen: 14.521 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	17.4	13.0	19.6





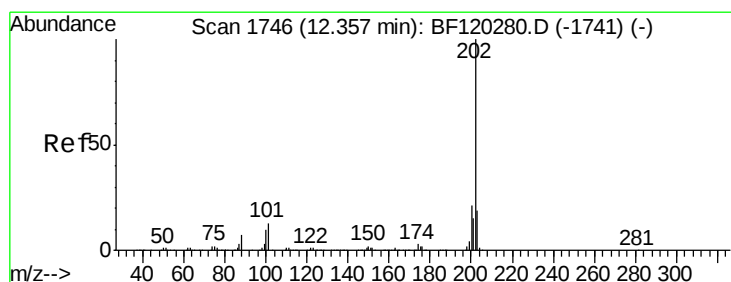
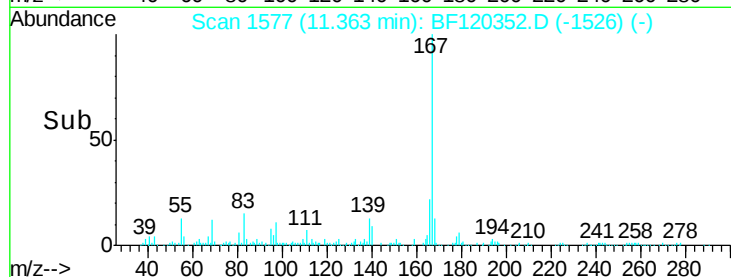
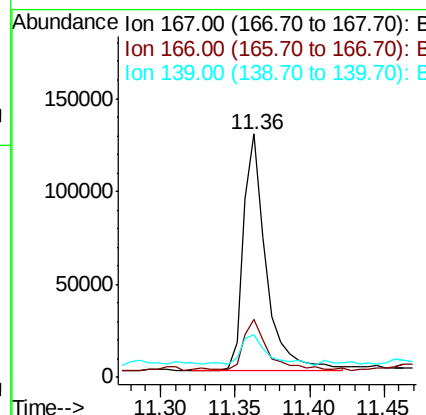
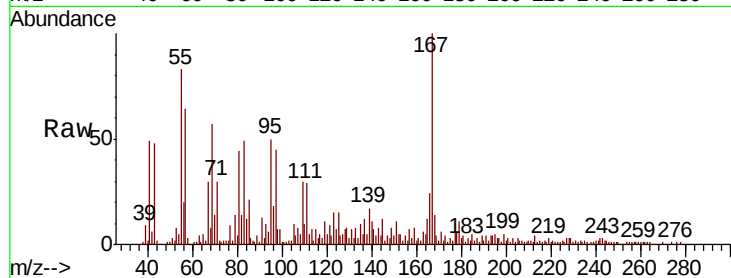
#73
 Carbazole
 Concen: 3.657 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Instrument :
 BNA_F
 ClientSampleId :
 72-11935DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	18.1	27.1
139	17.4	10.6	15.8

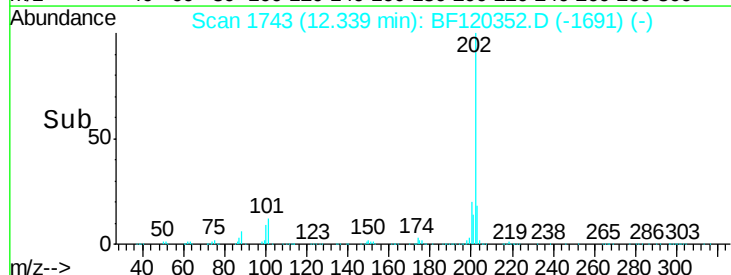
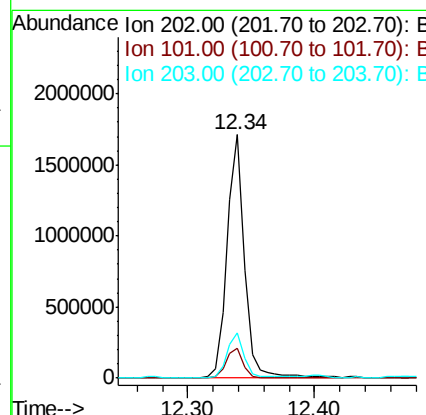
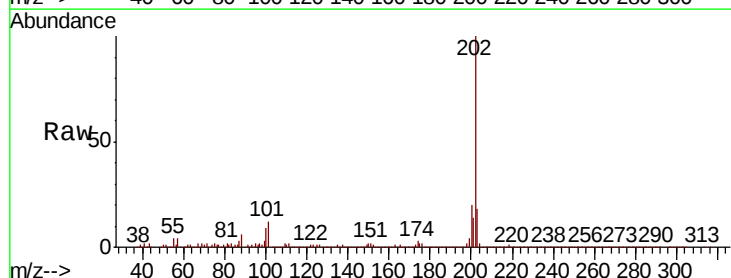
Manual Integrations
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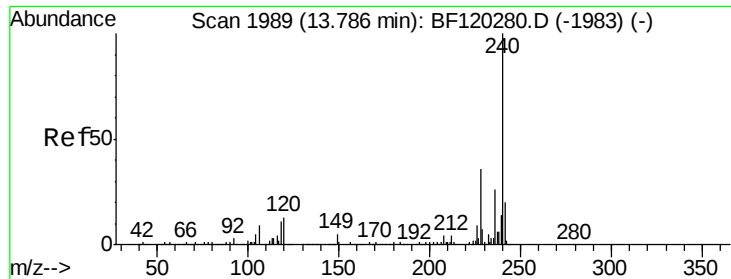
mohammad
 5/19/2020 3:05:30 PM



#75
 Fluoranthene
 Concen: 41.234 ng
 RT: 12.34 min Scan# 1743
 Delta R.T. 0.01 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	18.4	0.0	39.1





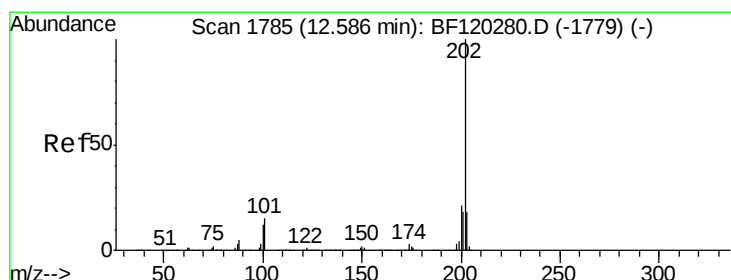
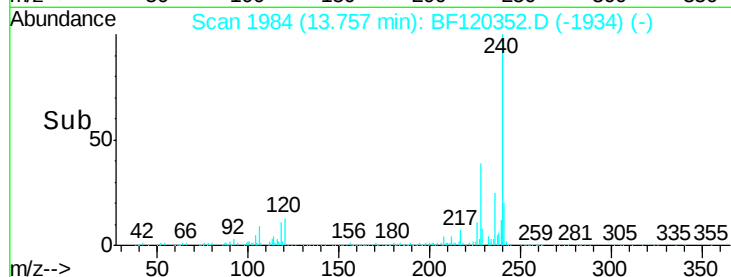
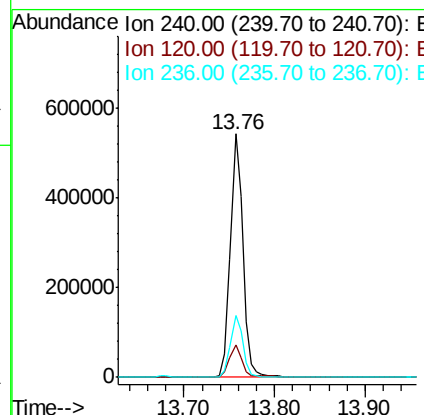
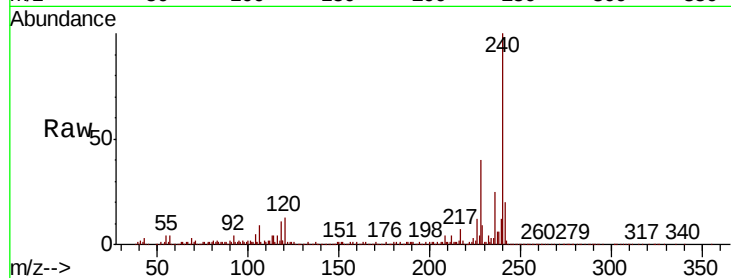
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.4	15.6
236	25.4	21.0	31.6

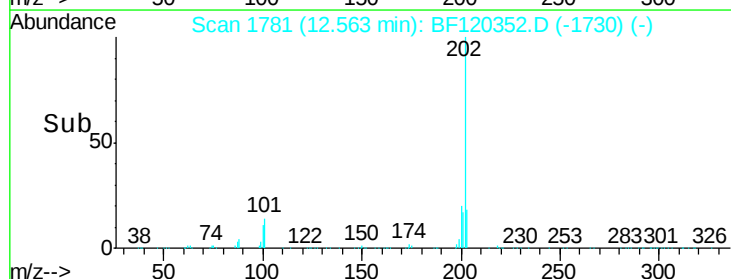
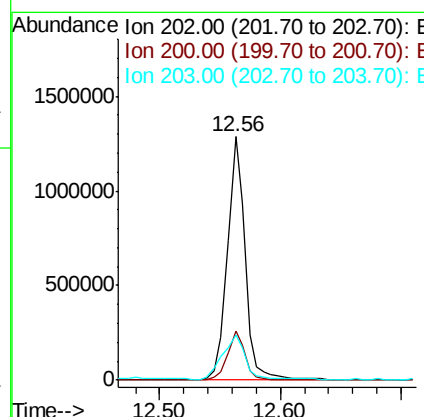
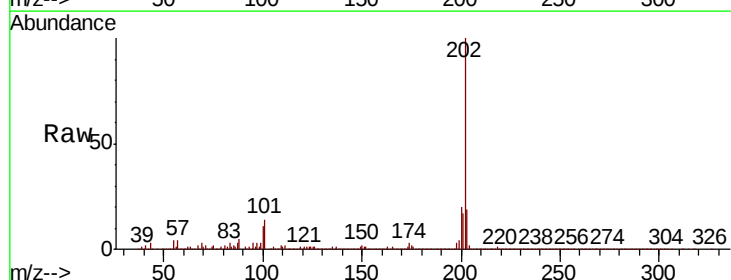
Manual Integrations
APPROVED

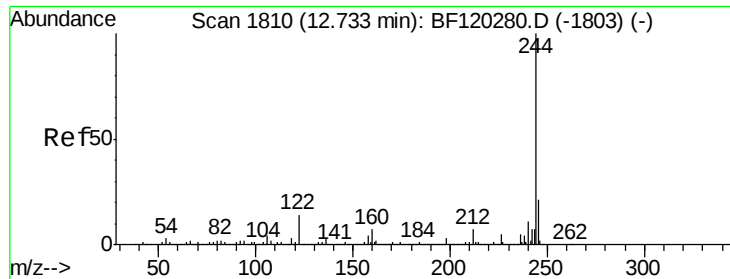
mohammad
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#78
Pyrene
Concen: 35.228 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	25.0
203	18.8	14.6	22.0





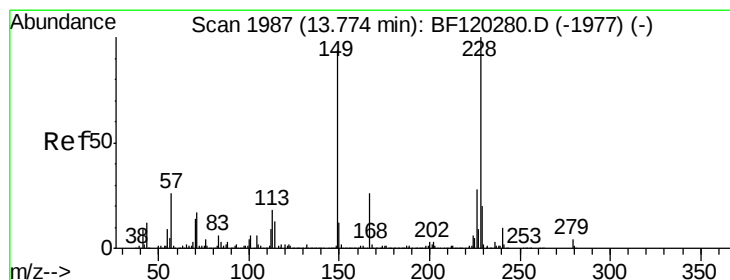
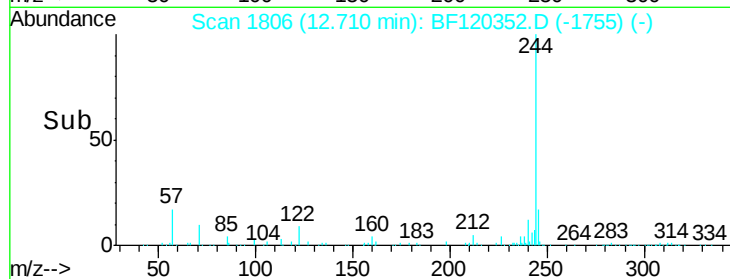
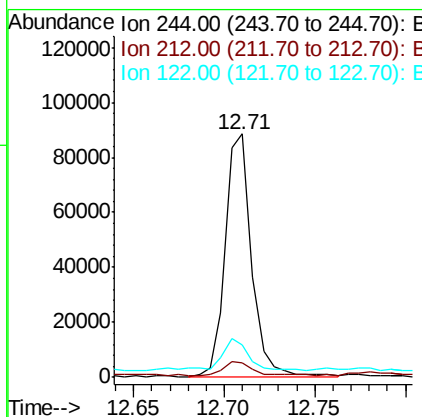
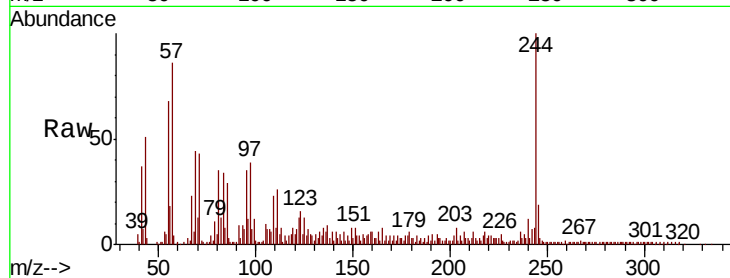
#79
 Terphenyl-d14
 Concen: 3.835 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Instrument :
 BNA_F
 ClientSampleId :
 72-11935DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.8	8.6
122	13.1	10.8	16.2

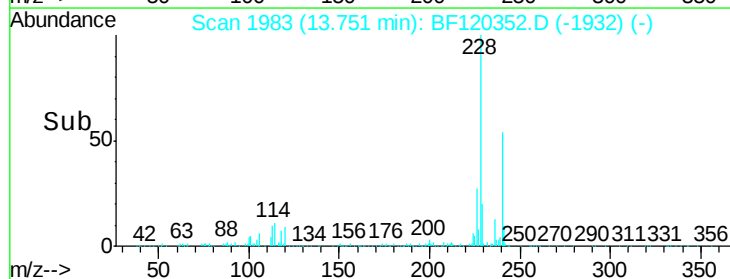
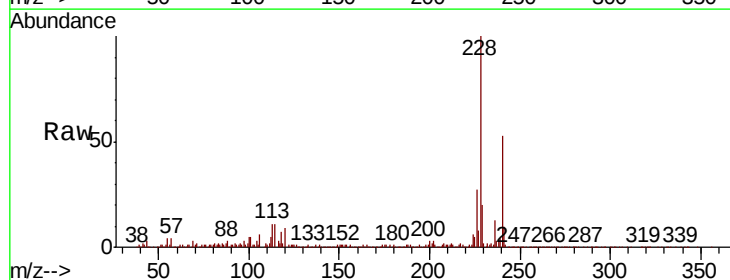
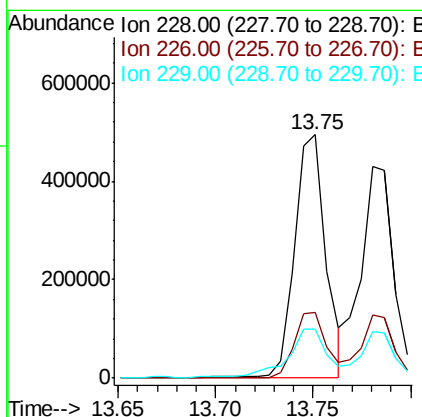
Manual Integrations
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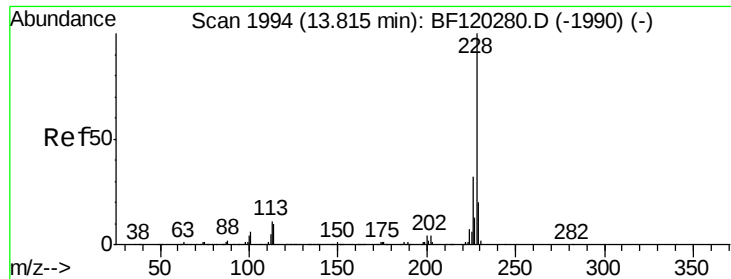
mohammad
 5/19/2020 3:05:30 PM



#81
 Benzo(a)anthracene
 Concen: 19.972 ng
 RT: 13.75 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: BF120352.D
 Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	20.1	16.4	24.6





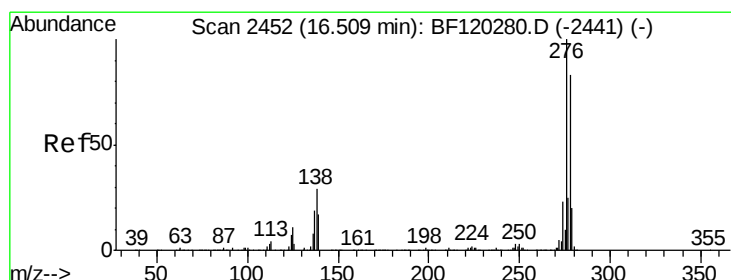
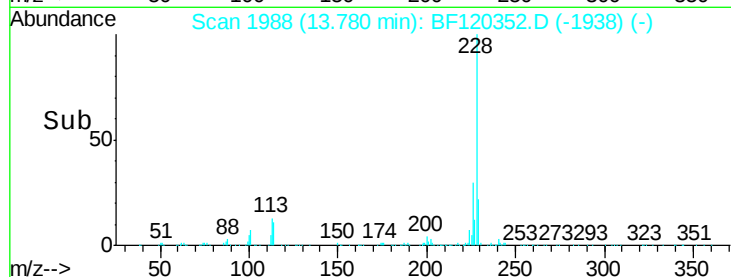
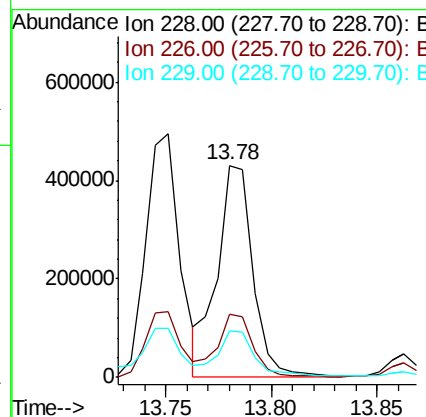
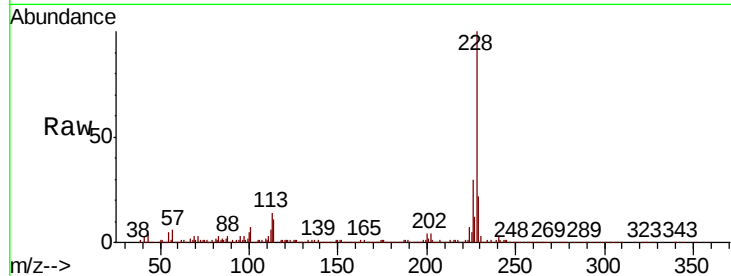
#83
Chrysene
Concen: 17.267 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion:	228	Resp:	504713
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	22.0	16.2	24.4

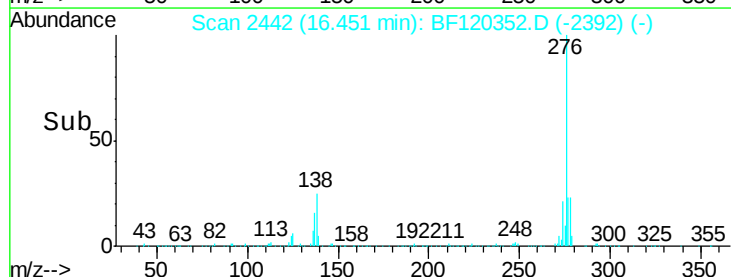
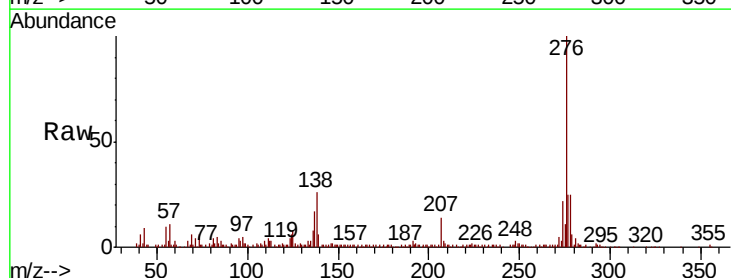
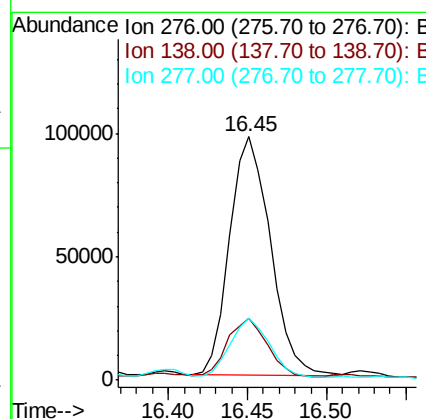
Manual Integrations
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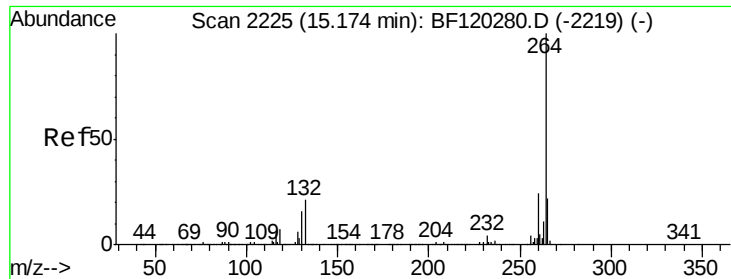
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.501 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion:	276	Resp:	172476
Ion Ratio	Lower	Upper	
276	100		
138	25.4	23.3	34.9
277	24.9	20.2	30.4





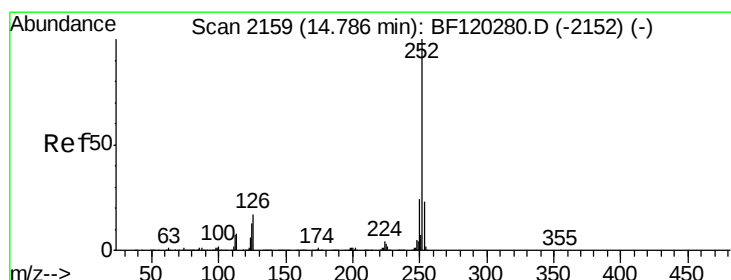
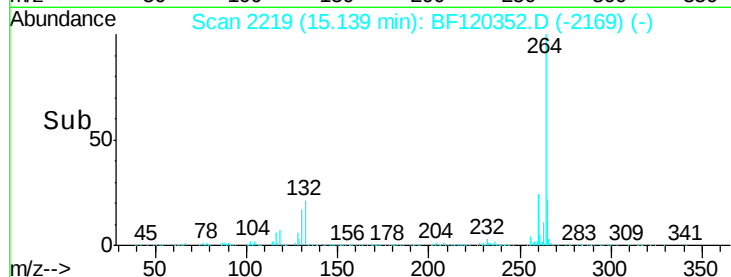
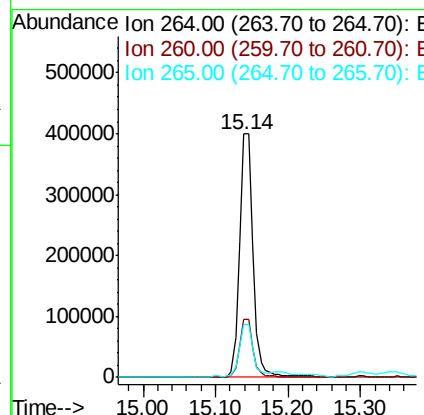
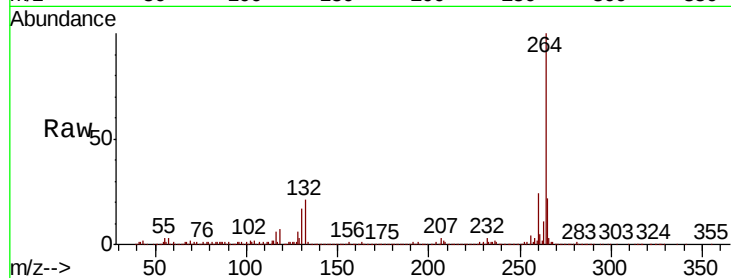
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampled :
72-11935DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.8	17.5	26.3

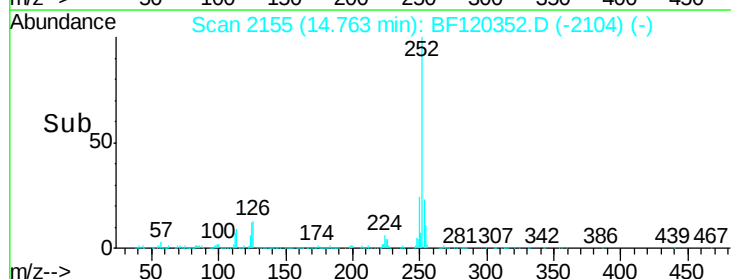
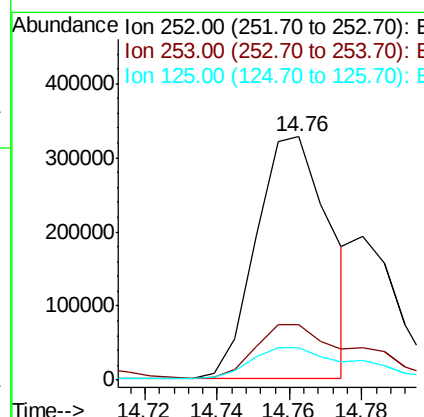
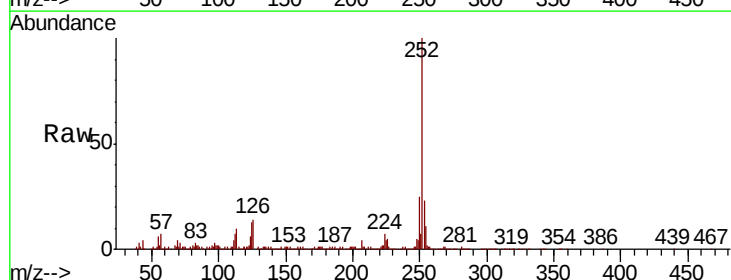
Manual Integrations
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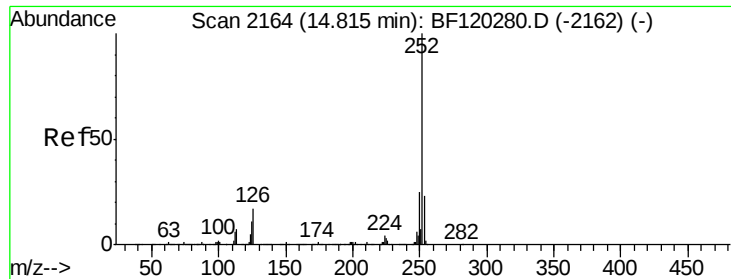
mohammad
5/19/2020 3:05:30 PM



#88
Benzo(b)fluoranthene
Concen: 16.485 ng m
RT: 14.76 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.2	10.4	15.6





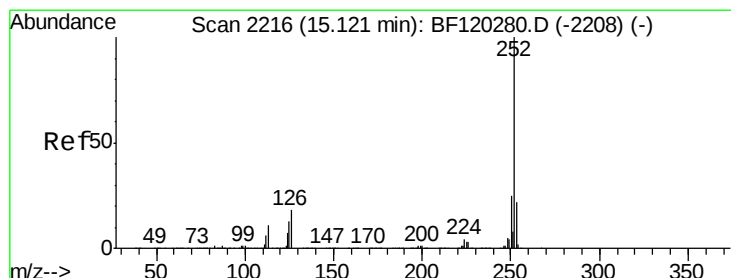
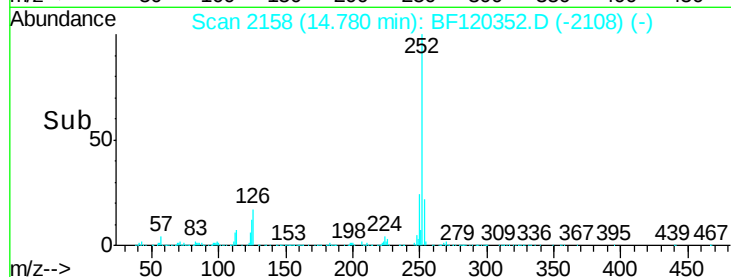
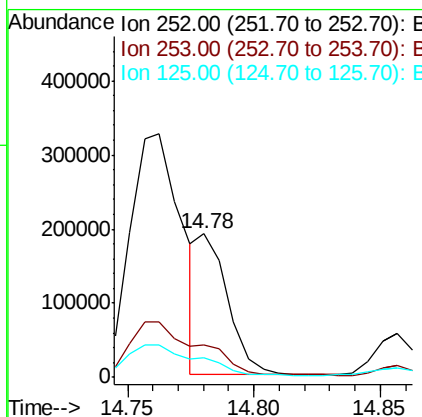
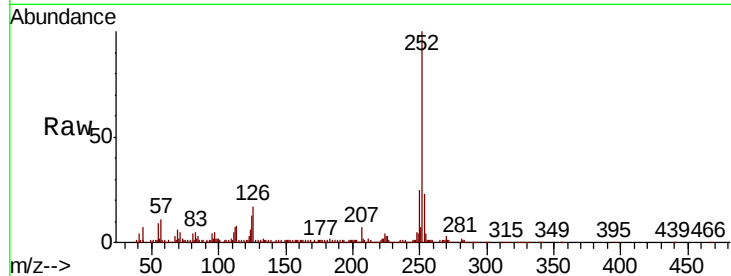
#89
Benzo(k)fluoranthene
Concen: 6.442 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	13.4	9.9	14.9

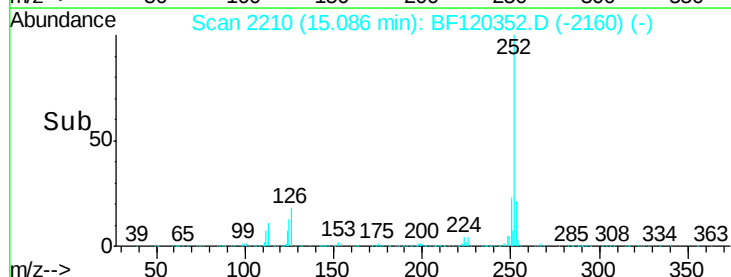
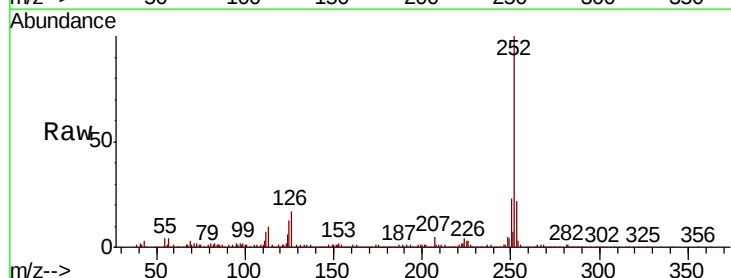
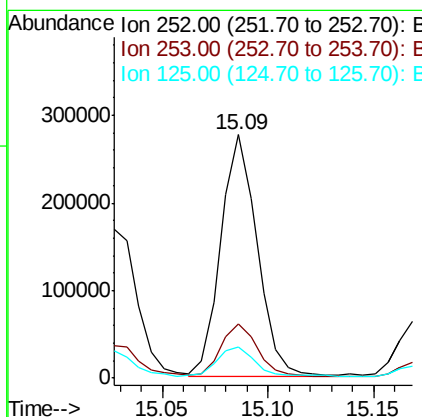
Manual Integrations
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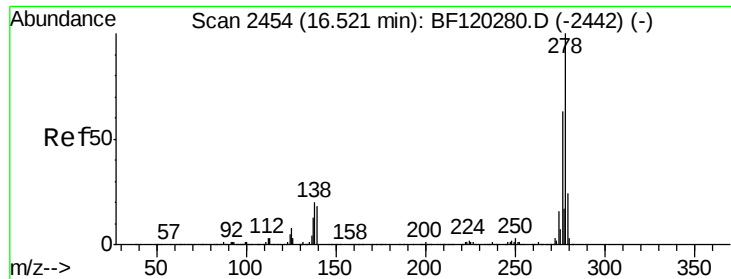
mohammad
5/19/2020 3:05:30 PM



#90
Benzo(a)pyrene
Concen: 13.092 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.8	10.6	16.0





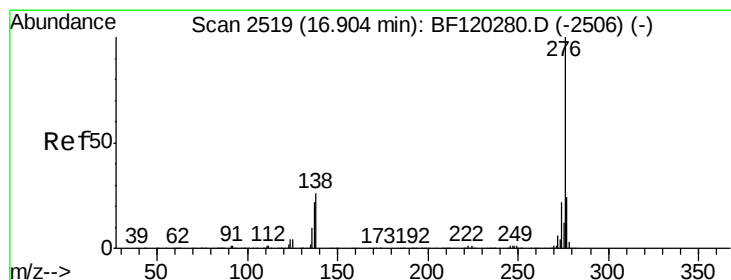
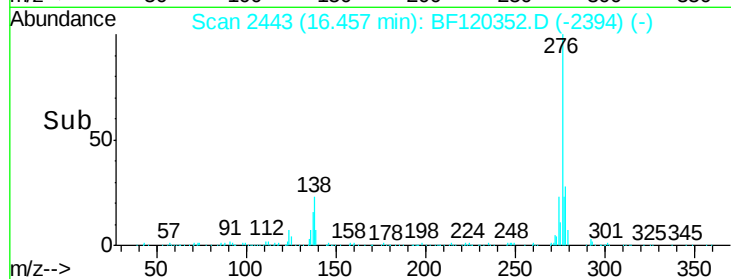
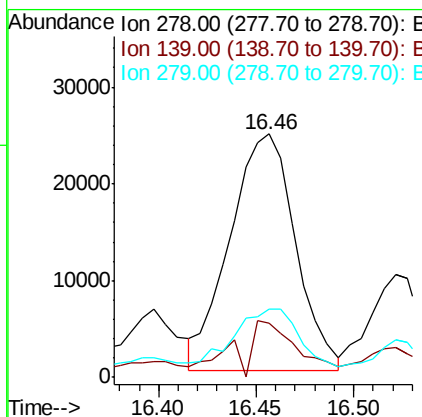
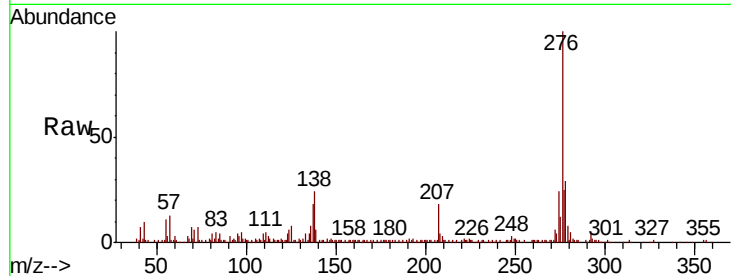
#91
Dibenzo(a,h)anthracene
Concen: 2.546 ng
RT: 16.46 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Instrument :
BNA_F
ClientSampleId :
72-11935DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	14.7	22.1
279	28.1	19.2	28.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.729 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BF120352.D
Acq: 18 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.1	28.7
138	25.3	20.8	31.2

