

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
 Data File : BF121737.D
 Acq On : 29 Sep 2020 18:21
 Operator : JU/CG
 Sample : L3869-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092820

Manual Integrations
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Quant Time: Sep 30 00:40:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	131334	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	498981	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	240900	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	393640	20.00	ng	0.00
76) Chrysene-d12	13.94	240	285809	20.00	ng	0.00
86) Perylene-d12	15.39	264	268320	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	414317	46.88	ng	0.00
7) Phenol-d6	6.42	99	521121	44.95	ng	0.00
23) Nitrobenzene-d5	7.35	82	332833	35.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	114222	38.15	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	596250	37.49	ng	0.00
79) Terphenyl-d14	12.89	244	479313	33.98	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.68	152	109441	4.687	ng	98
50) Dimethylphthalate	9.54	163	66614	3.815	ng	99
52) Acenaphthene	9.85	154	30577	2.073	ng	98
58) Fluorene	10.37	166	55987	3.525	ng	98
71) Phenanthrene	11.33	178	412067	19.213	ng	99
72) Anthracene	11.38	178	145745	6.585	ng	97
75) Fluoranthene	12.52	202	528303	23.075	ng	100
78) Pyrene	12.75	202	567207	27.162	ng	99
81) Benzo(a)anthracene	13.94	228	247878m	13.709	ng	
83) Chrysene	13.97	228	241064	13.166	ng	96
87) Indeno(1,2,3-cd)pyrene	16.82	276	109094	6.243	ng	96
88) Benzo(b)fluoranthene	14.97	252	246507m	13.743	ng	
89) Benzo(k)fluoranthene	15.00	252	78229m	4.762	ng	
90) Benzo(a)pyrene	15.33	252	202062	13.252	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	29356	2.018	ng	# 81
92) Benzo(g,h,i)perylene	17.25	276	112800	7.889	ng	99

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

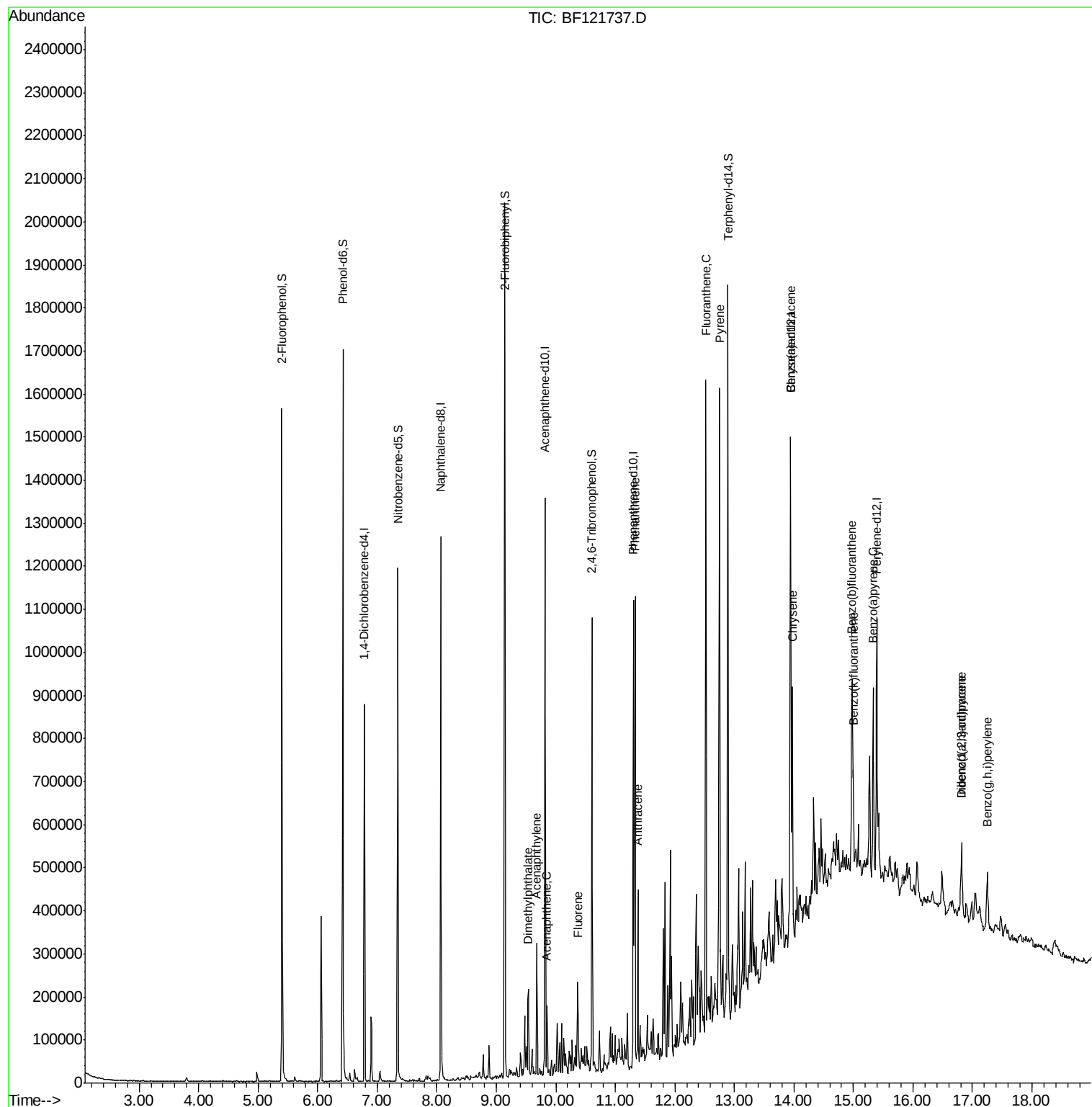
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
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Sample : L3869-11 2X
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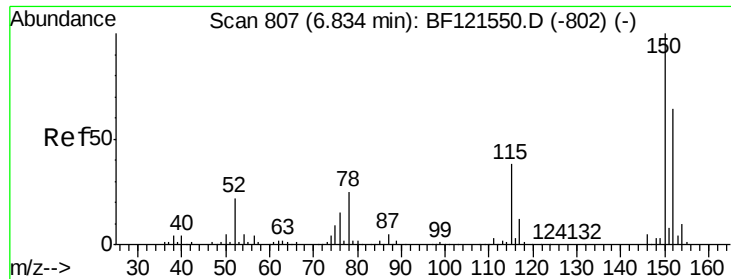
Instrument :
BNA_F
ClientSampleId :
OR-03-092820

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Quant Time: Sep 30 00:40:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 11:12:14 2020
Response via : Initial Calibration





#1

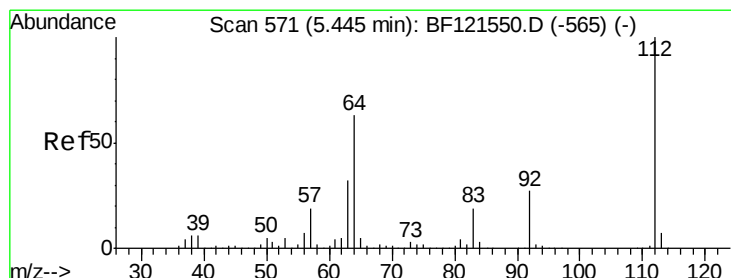
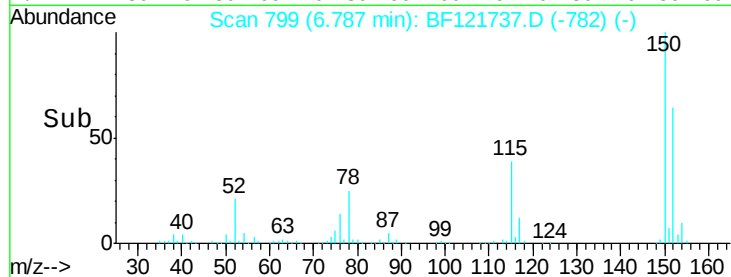
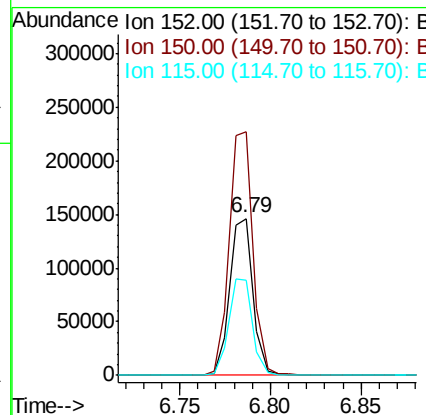
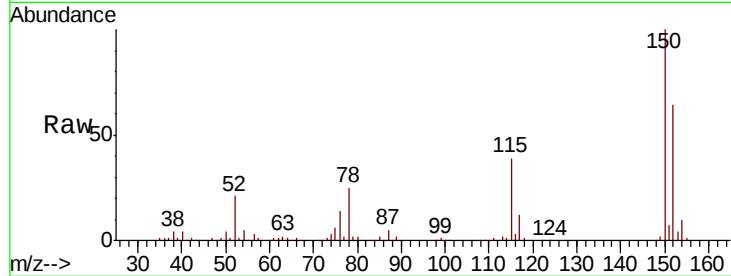
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092820

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.8	188.8
115	60.7	49.6	74.4

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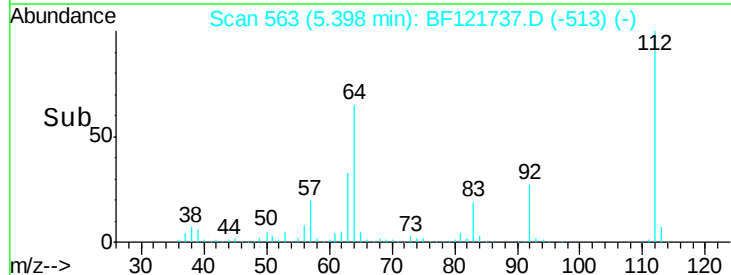
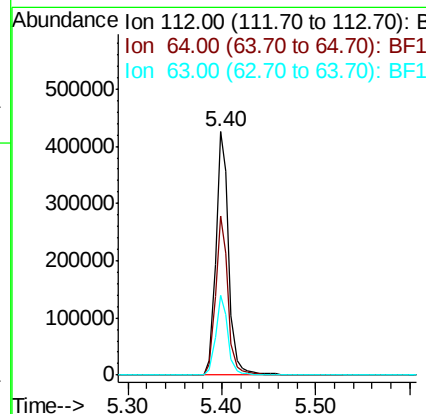
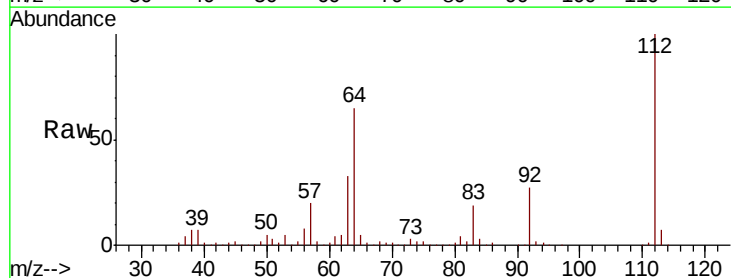
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#5

2-Fluorophenol
 Concen: 46.883 ng
 RT: 5.40 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	51.2	76.8
63	32.8	25.9	38.9





#7

Phenol-d6

Concen: 44.947 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Instrument :

BNA_F

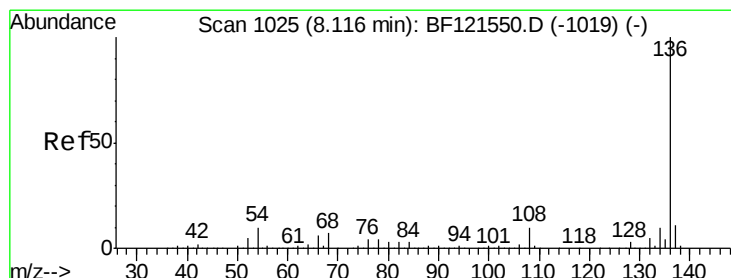
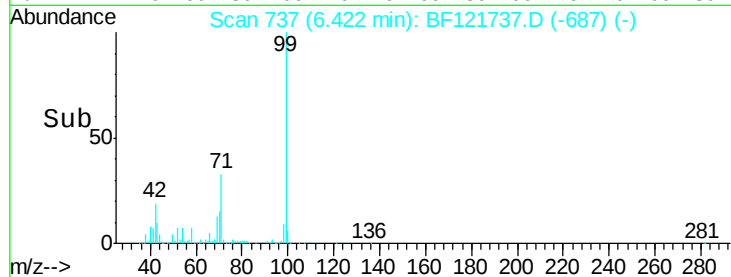
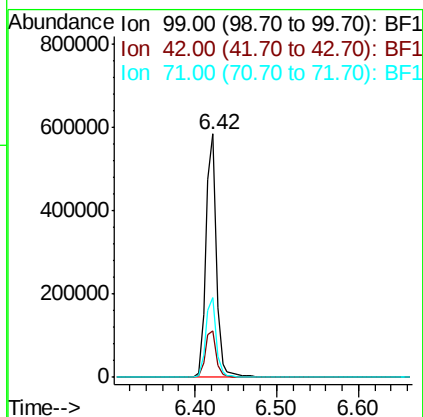
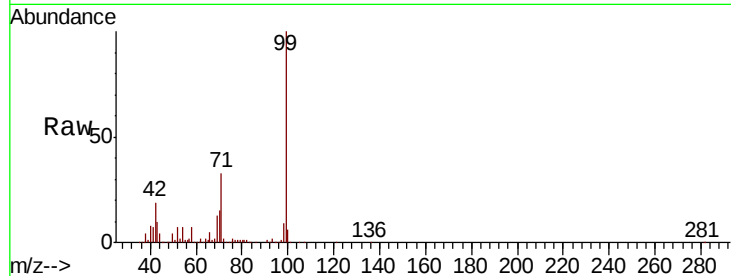
ClientSampleId :

OR-03-092820

Tot Ion:	99	Resp:	521121
Ion Ratio	Lower	Upper	
99	100		
42	19.1	16.5	24.7
71	33.0	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

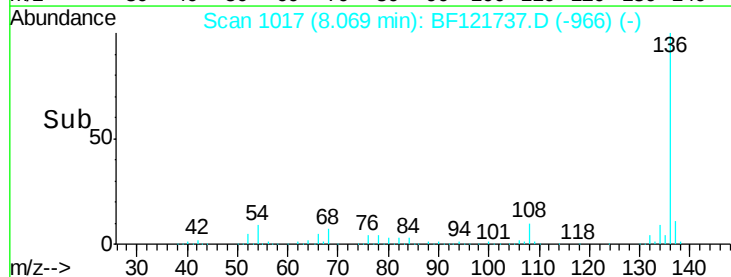
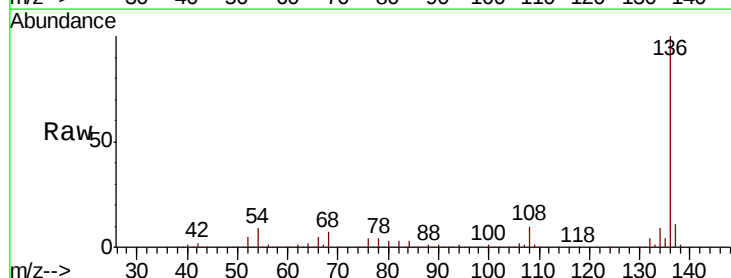
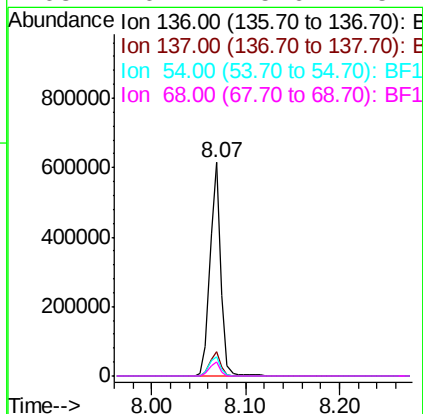
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Tgt Ion:	136	Resp:	498981
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	8.9	7.8	11.8
68	6.7	5.6	8.4





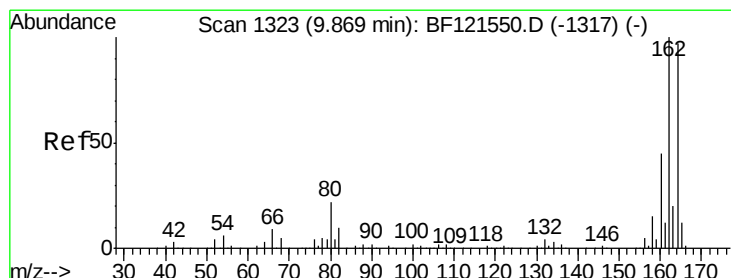
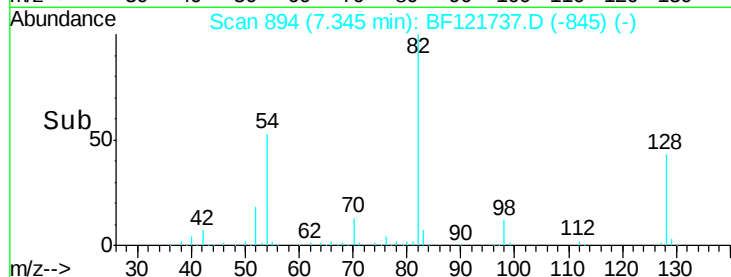
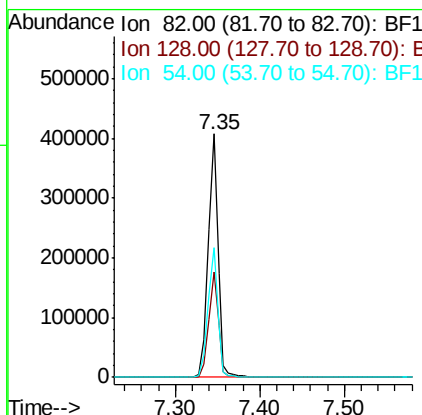
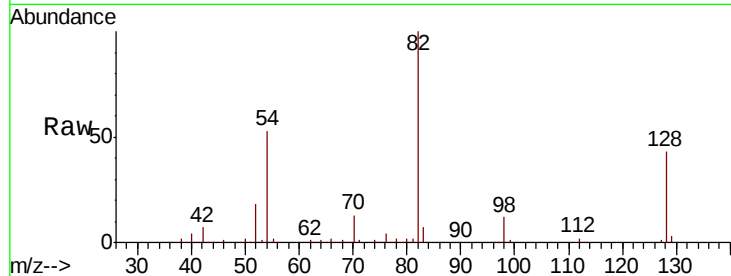
#23
Nitrobenzene-d5
Concen: 35.814 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Instrument :
BNA_F
ClientSampleId :
OR-03-092820

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.1	35.0	52.4	
54	53.2	42.5	63.7	

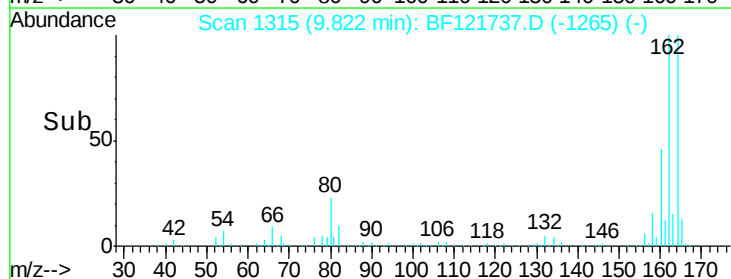
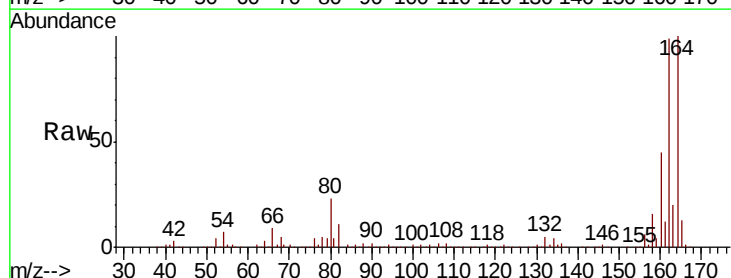
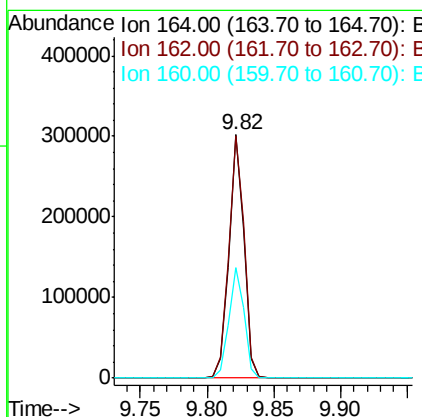
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.4	80.6	121.0	
160	45.5	36.9	55.3	





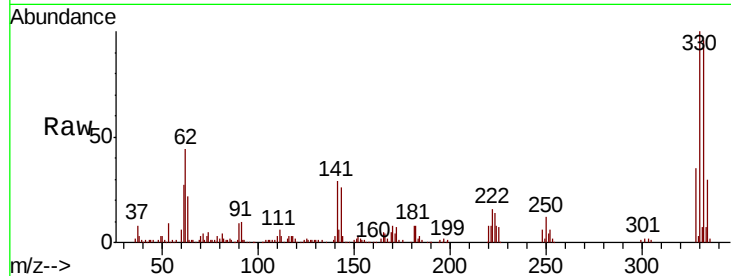
#42
 2,4,6-Tribromophenol
 Concen: 38.149 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092820

Tot Ion	Ratio	Resp	Lower	Upper
330	100	114222		
332	96.2		77.6	116.4
141	30.2		22.9	34.3

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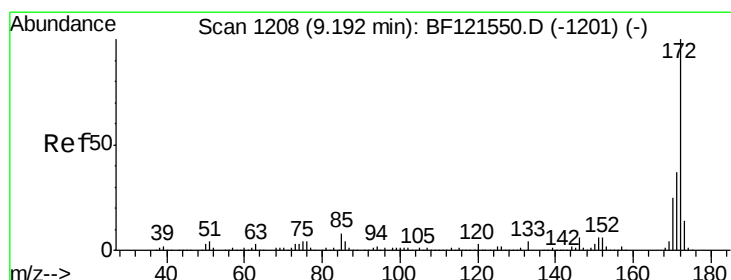
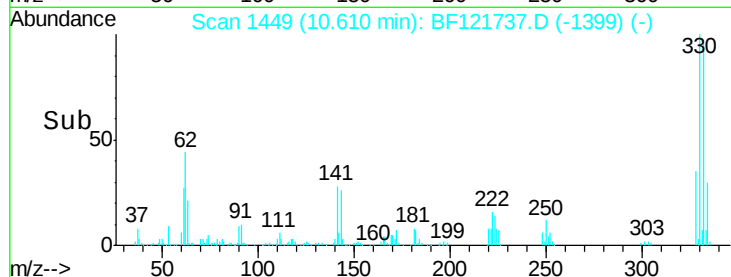
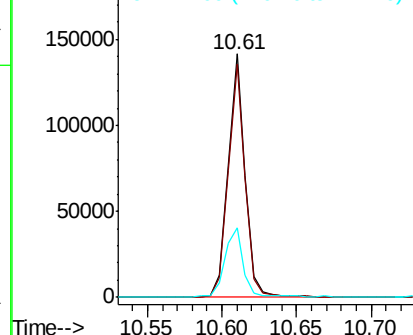


Abundance

Ion 329.80 (329.50 to 330.50): E

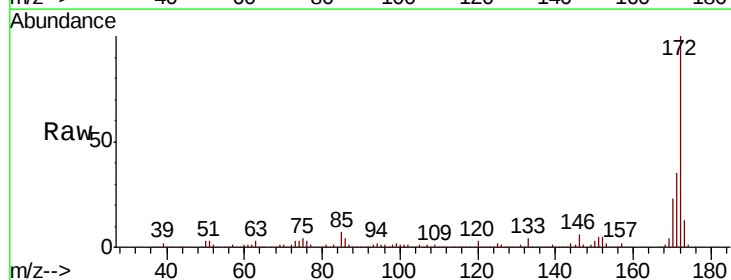
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.486 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	596250		
171	34.8		29.2	43.8
170	23.4		19.7	29.5

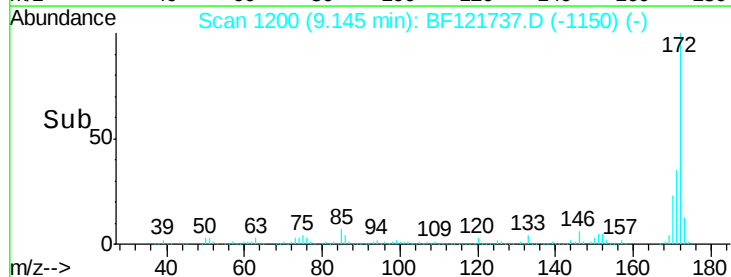
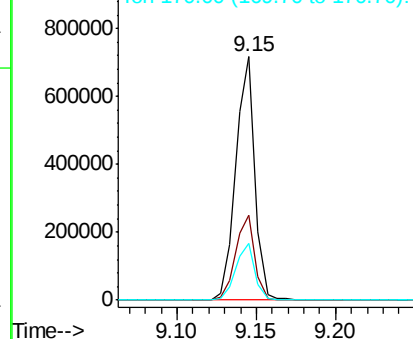


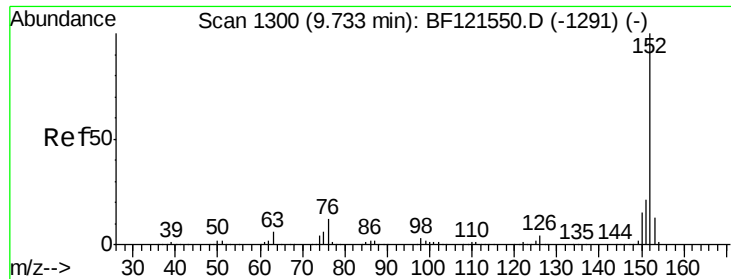
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





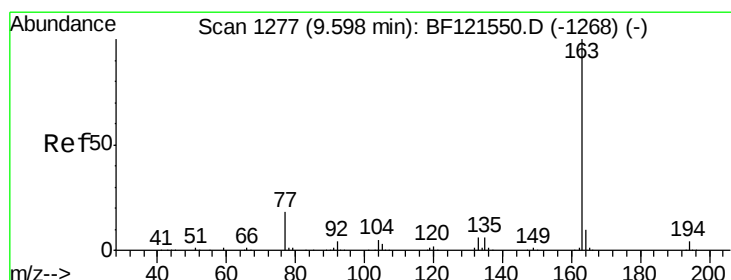
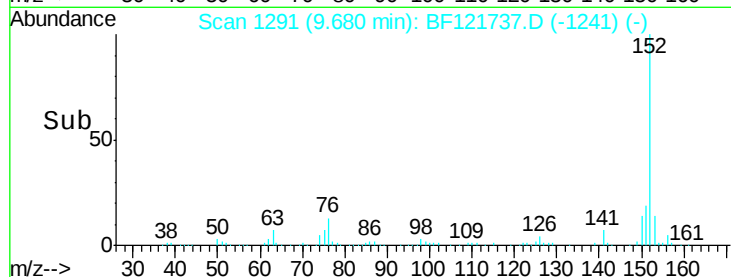
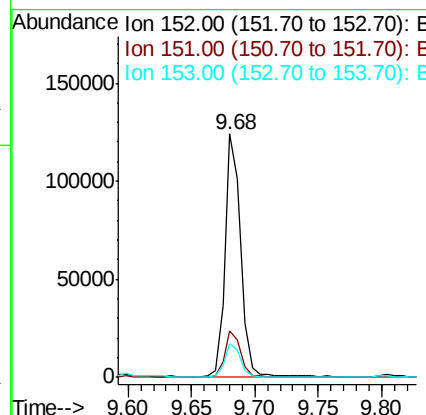
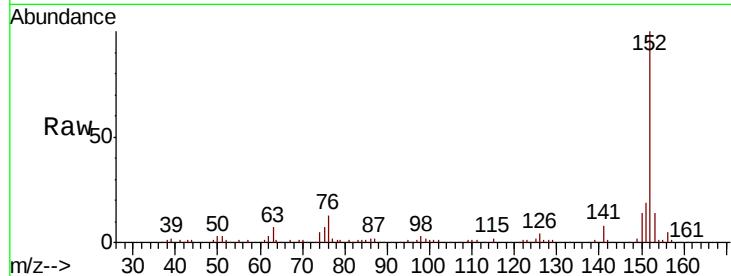
#49
Acenaphthylene
Concen: 4.687 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Instrument :
BNA_F
ClientSampleId :
OR-03-092820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		109441		
151	19.0	16.4	24.6		
153	13.9	10.9	16.3		

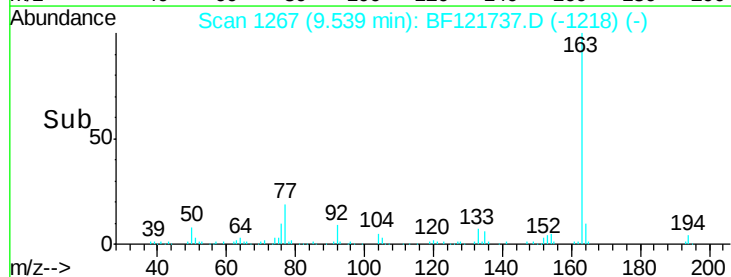
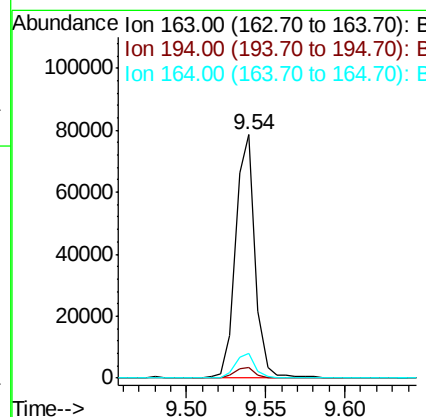
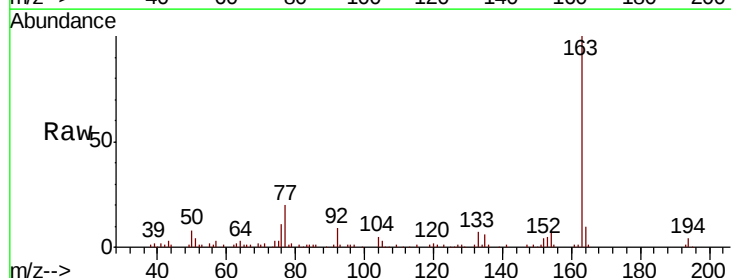
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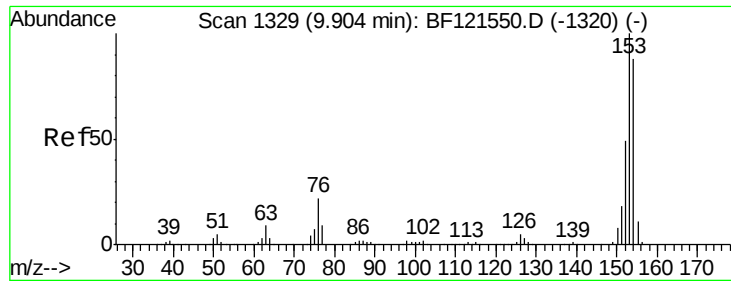
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#50
Dimethylphthalate
Concen: 3.815 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		66614		
194	4.1	3.1	4.7		
164	10.0	8.5	12.7		





#52

Acenaphthene

Concen: 2.073 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Instrument :

BNA_F

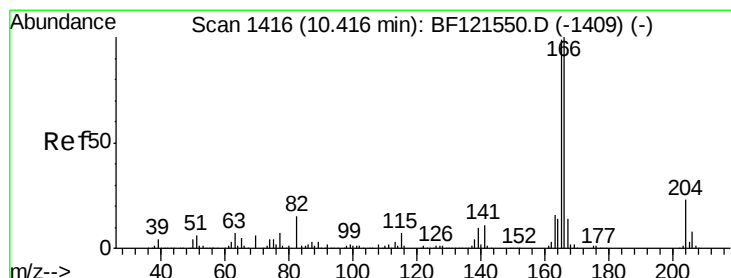
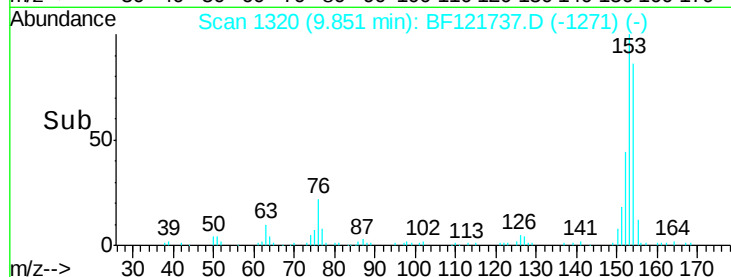
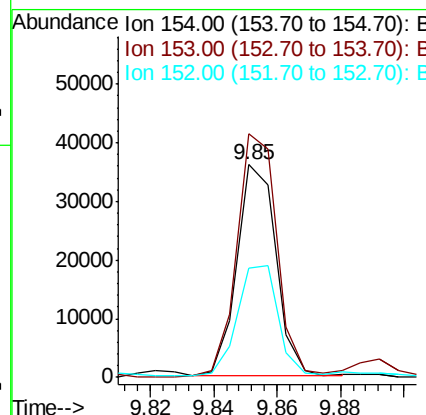
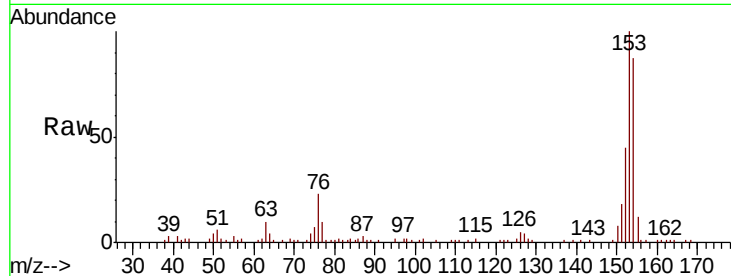
ClientSampleId :

OR-03-092820

Tot Ion:	154	Resp:	30577
Ion Ratio	Lower	Upper	
154	100		
153	114.5	90.7	136.1
152	51.5	43.9	65.9

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#58

Fluorene

Concen: 3.525 ng

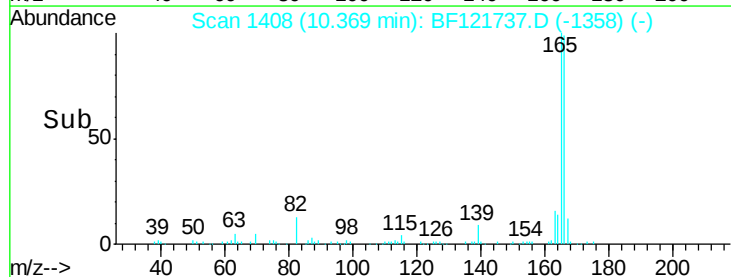
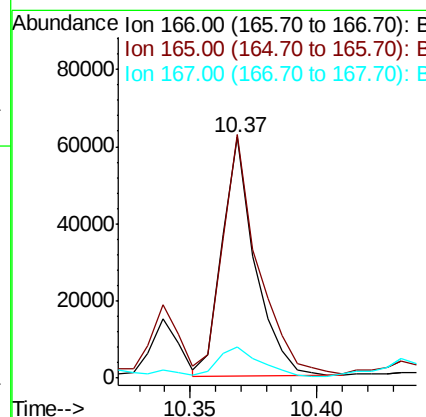
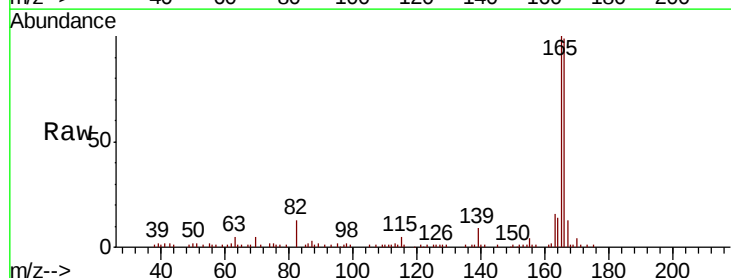
RT: 10.37 min Scan# 1408

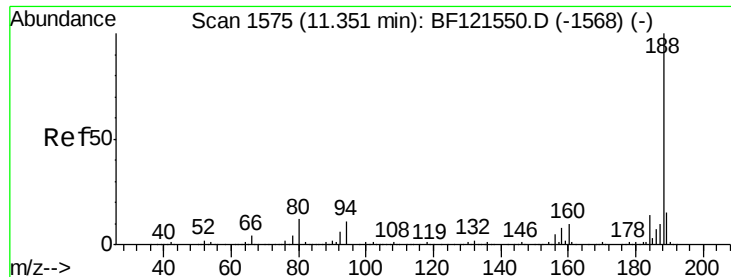
Delta R.T. -0.01 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Tgt Ion:	166	Resp:	55987
Ion Ratio	Lower	Upper	
166	100		
165	101.0	79.2	118.8
167	12.9	10.6	16.0





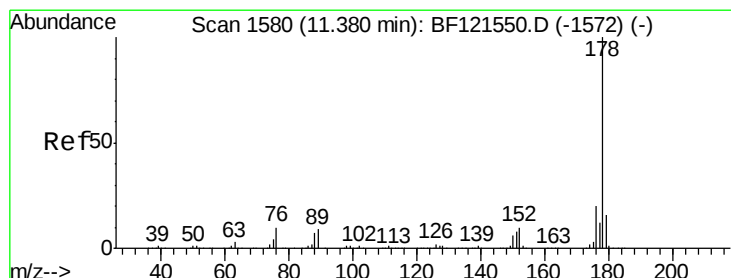
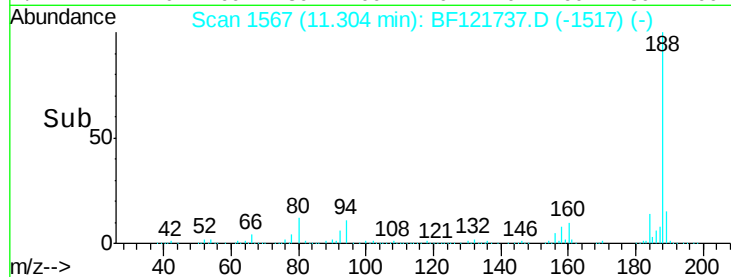
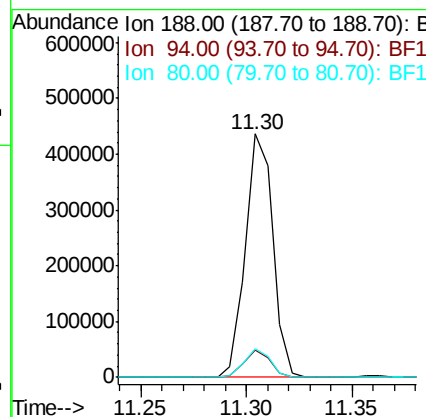
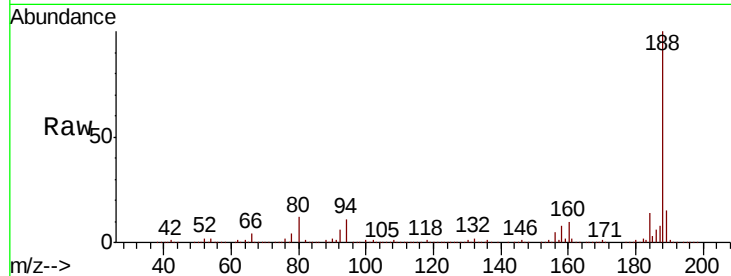
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Instrument :
BNA_F
ClientSampleId :
OR-03-092820

Tot Ion	Ratio	Resp	Lower	Upper
188	100	393640		
94	11.0		8.2	12.2
80	11.9		8.9	13.3

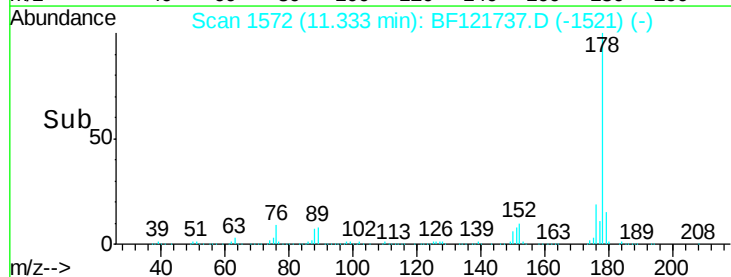
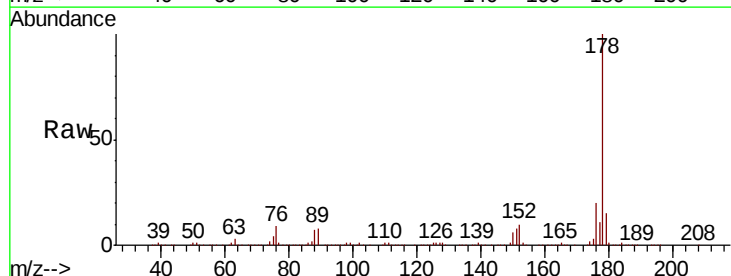
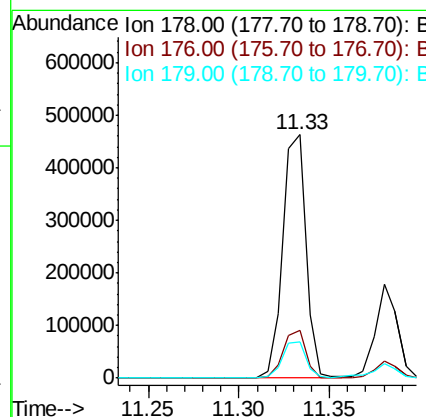
Manual Integrations
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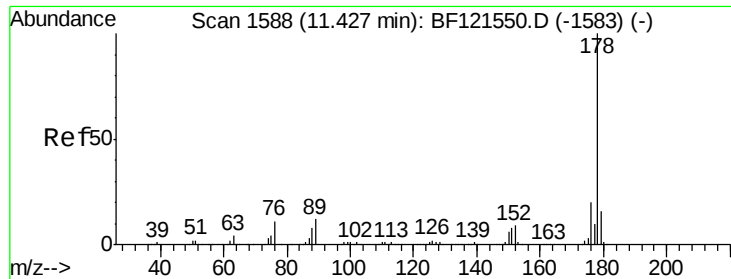
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#71
Phenanthrene
Concen: 19.213 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	412067		
176	19.6		16.0	24.0
179	14.9		12.6	19.0





#72

Anthracene

Concen: 6.585 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Instrument :

BNA_F

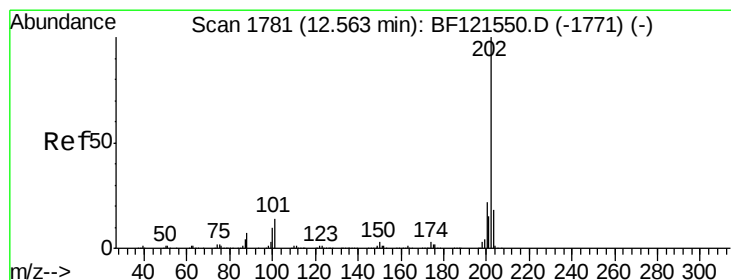
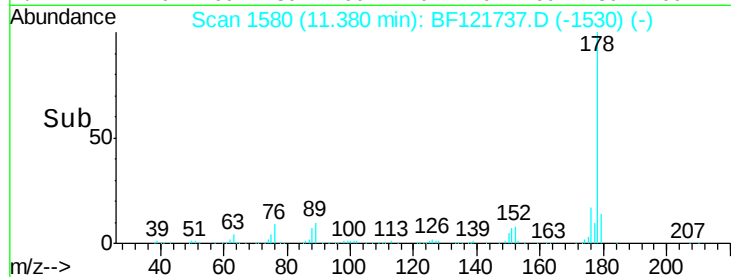
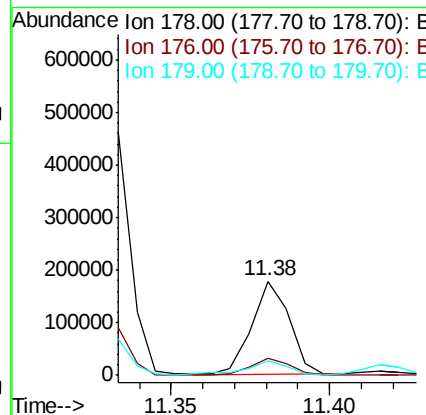
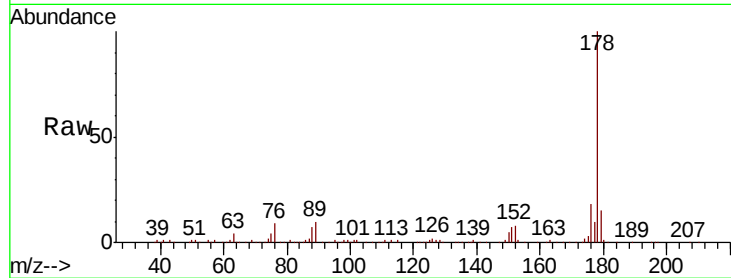
ClientSampleId :

OR-03-092820

Tot Ion:	178	Resp:	145745
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.6
179	15.1	12.6	19.0

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#75

Fluoranthene

Concen: 23.075 ng

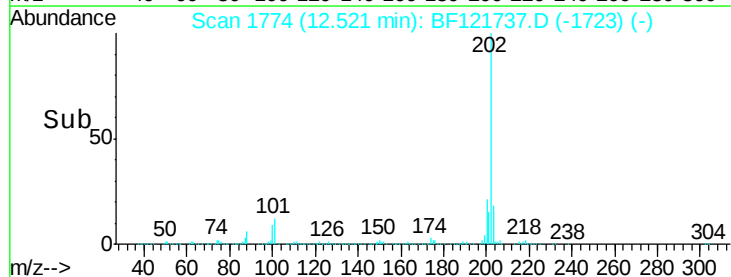
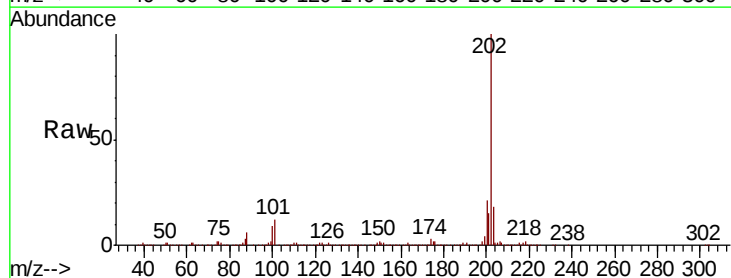
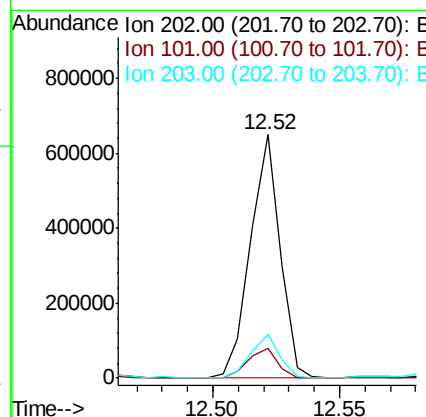
RT: 12.52 min Scan# 1774

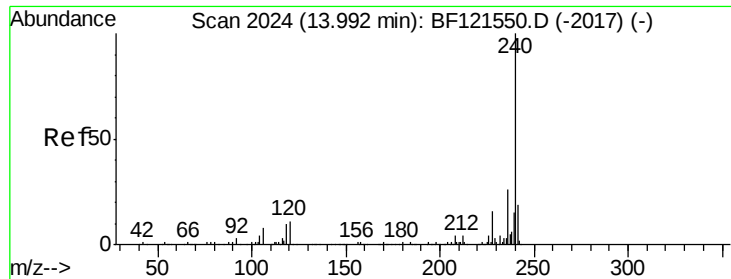
Delta R.T. 0.00 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Tgt Ion:	202	Resp:	528303
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	32.0
203	17.8	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Instrument :

BNA_F

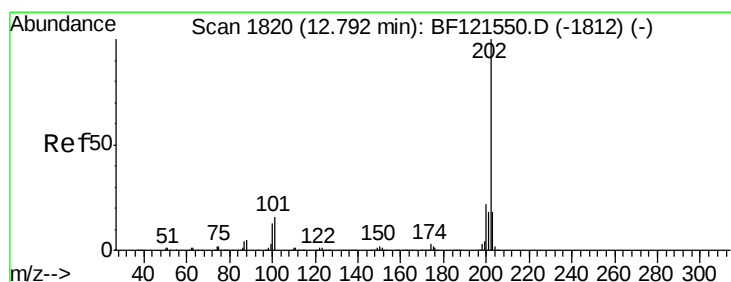
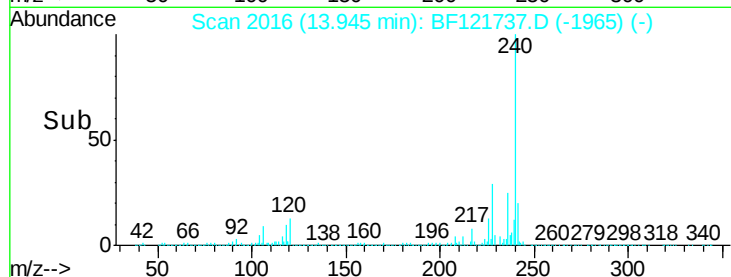
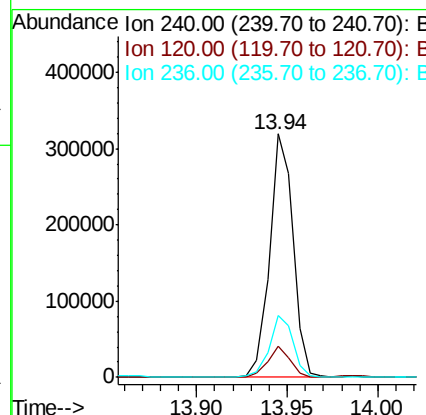
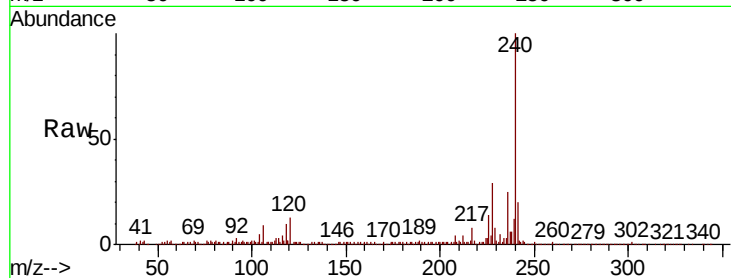
ClientSampleId :

OR-03-092820

Tot Ion:	240	Resp:	285809
Ion Ratio	Lower	Upper	
240	100		
120	13.0	10.2	15.4
236	25.5	20.4	30.6

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#78

Pyrene

Concen: 27.162 ng

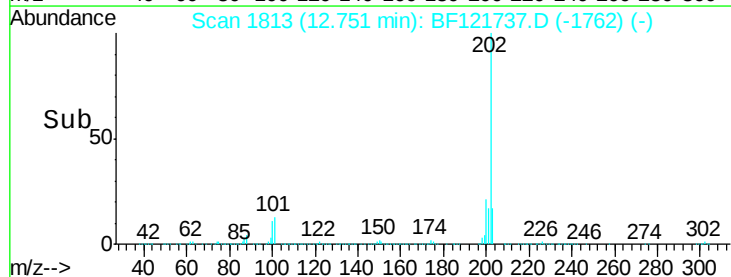
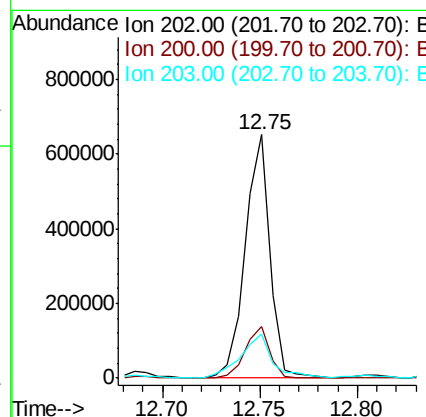
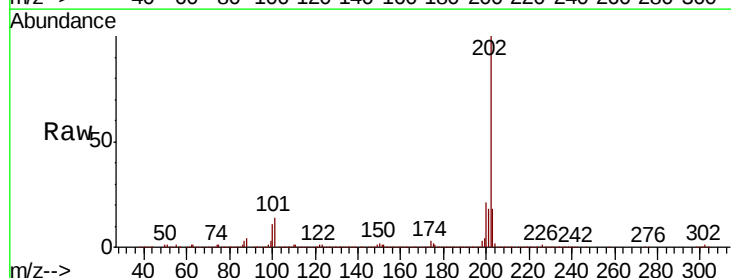
RT: 12.75 min Scan# 1813

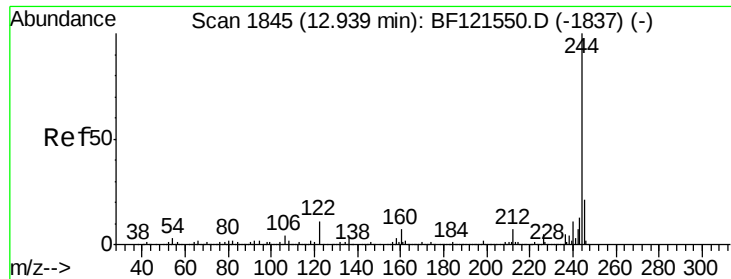
Delta R.T. 0.00 min

Lab File: BF121737.D

Acq: 29 Sep 2020 18:21

Tgt Ion:	202	Resp:	567207
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.1	14.5	21.7





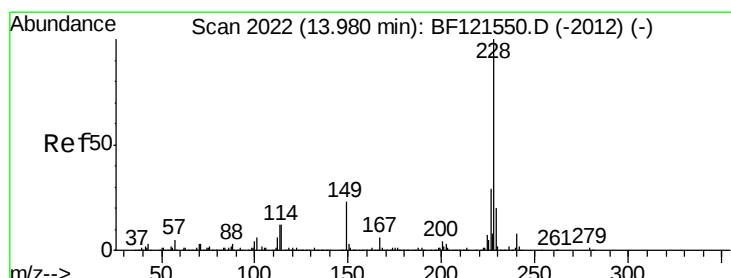
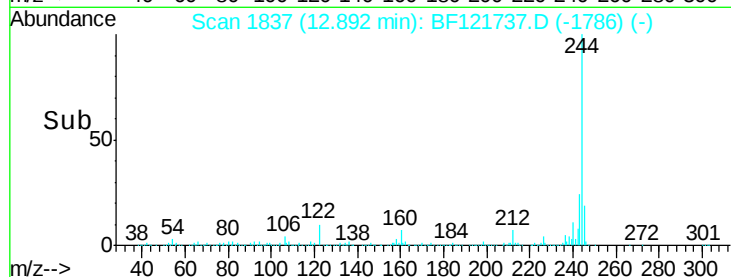
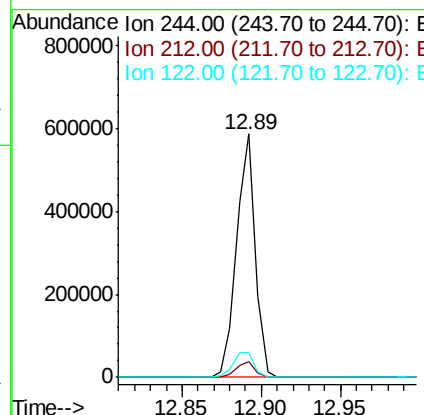
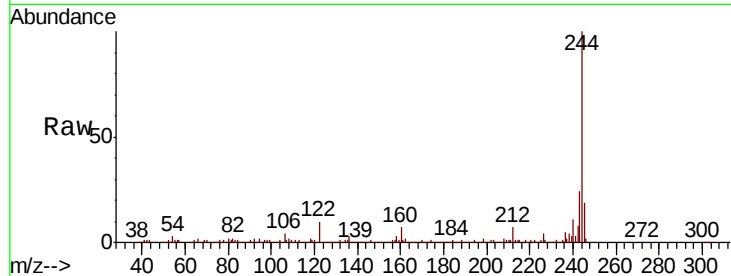
#79
 Terphenyl-d14
 Concen: 33.975 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092820

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.2	9.0	13.4

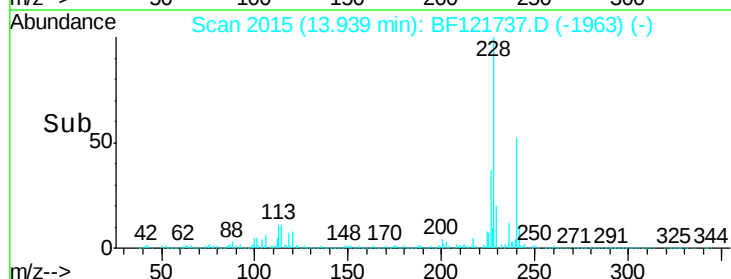
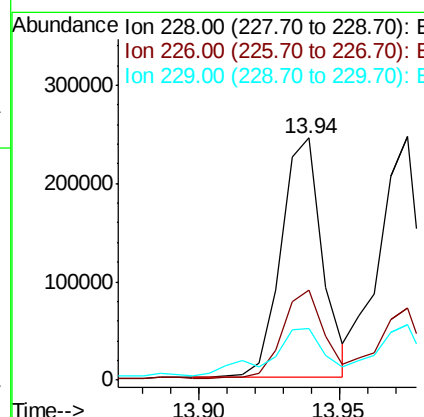
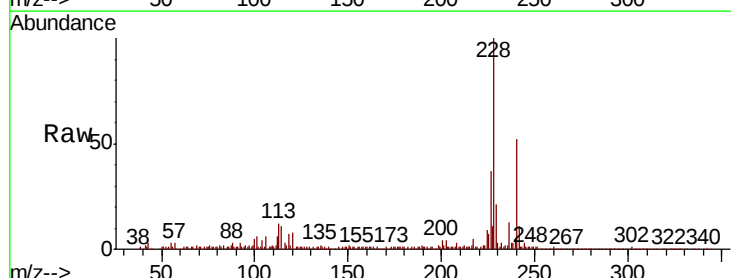
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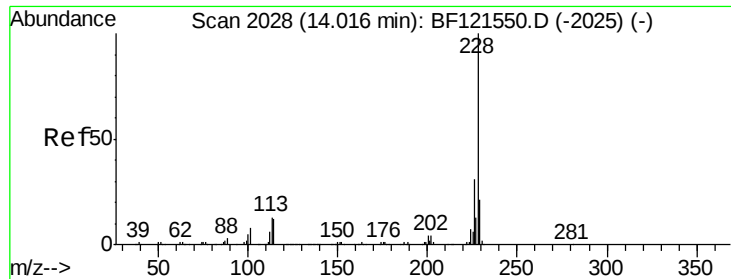
mohammad
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#81
 Benzo(a)anthracene
 Concen: 13.709 ng m
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.1	22.2	33.2#
229	21.5	16.2	24.4





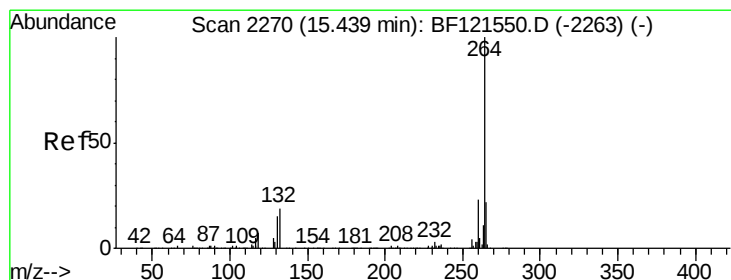
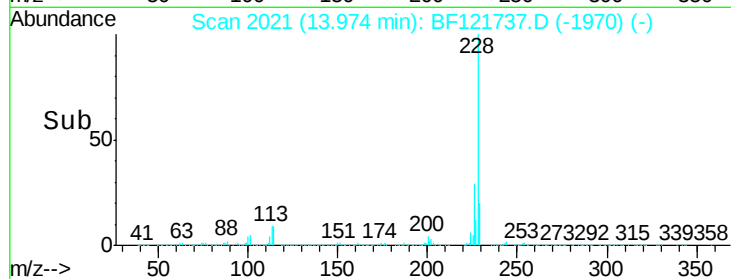
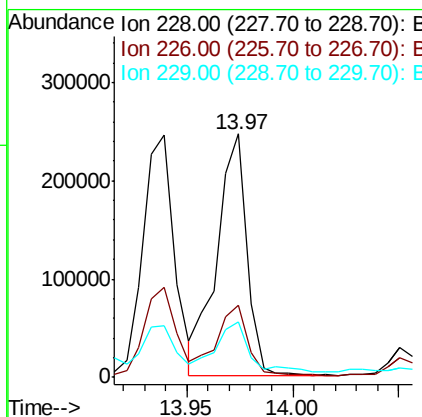
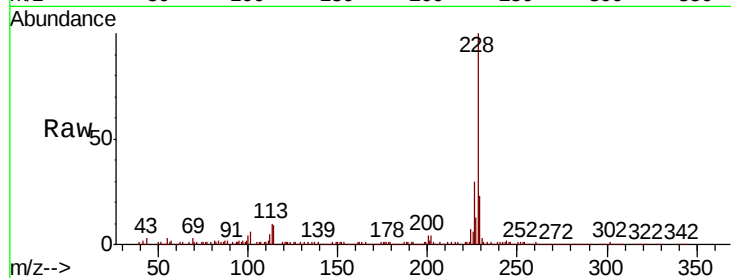
#83
Chrysene
Concen: 13.166 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Instrument :
BNA_F
ClientSampleId :
OR-03-092820

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.0
229	22.9	16.4	24.6

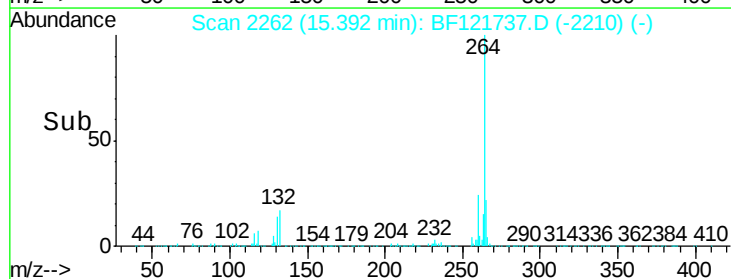
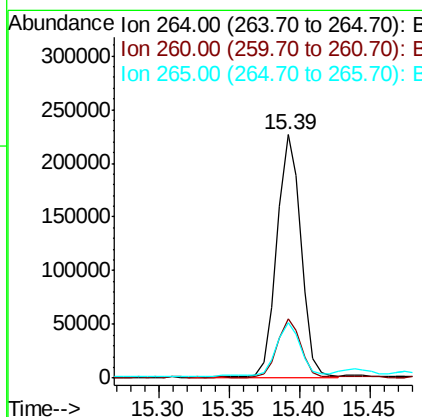
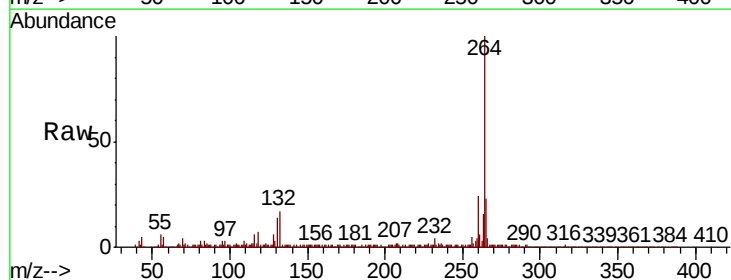
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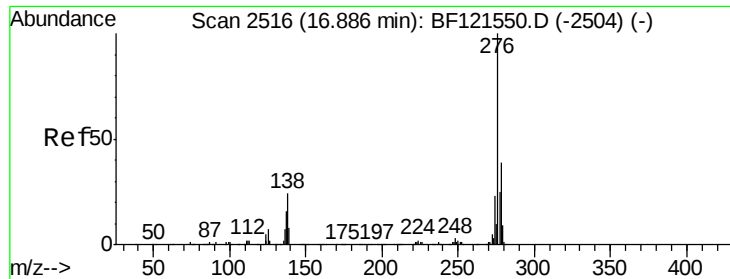
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	22.9	17.3	25.9





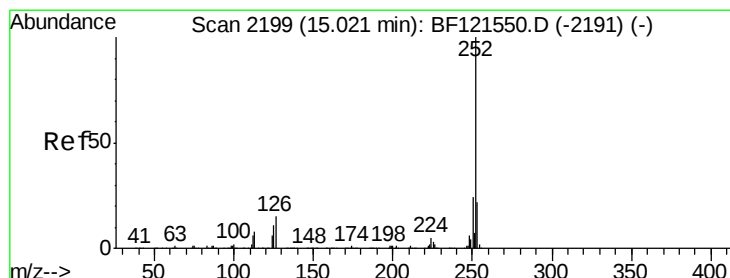
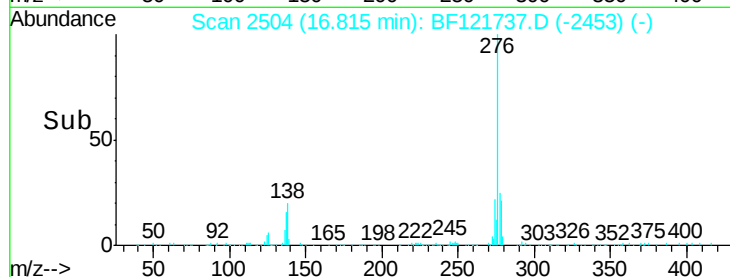
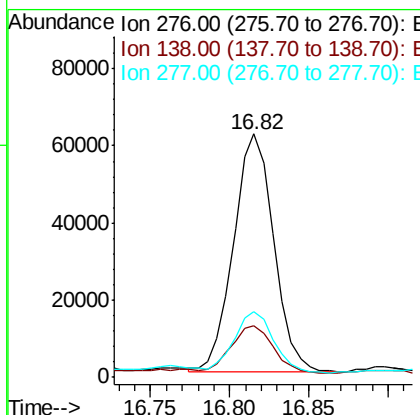
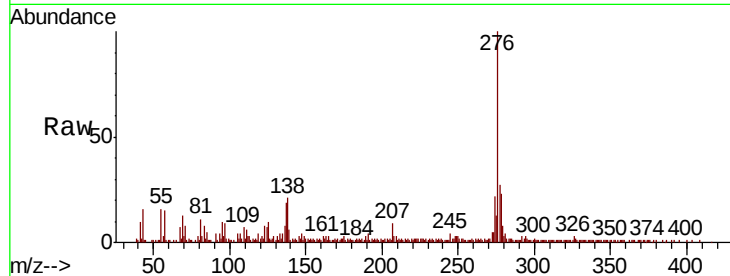
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.243 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-092820

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.4	29.0
277	24.9	20.4	30.6

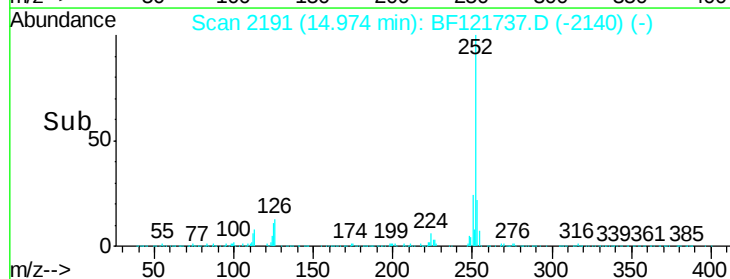
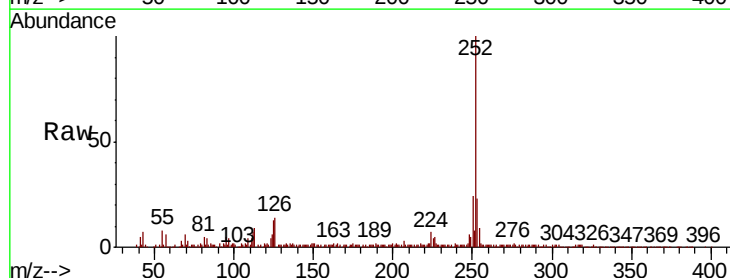
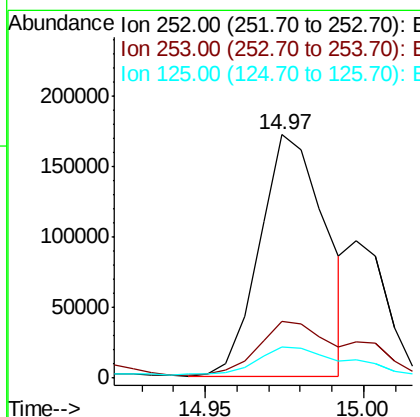
Manual Integrations
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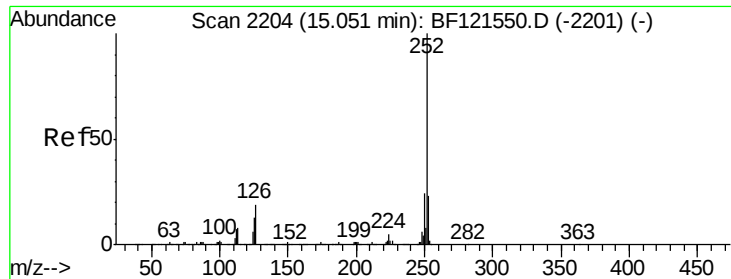
mohammad
 10/1/2020 1:29:57 PM



#88
 Benzo(b)fluoranthene
 Concen: 13.743 ng m
 RT: 14.97 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: BF121737.D
 Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	12.8	8.0	12.0





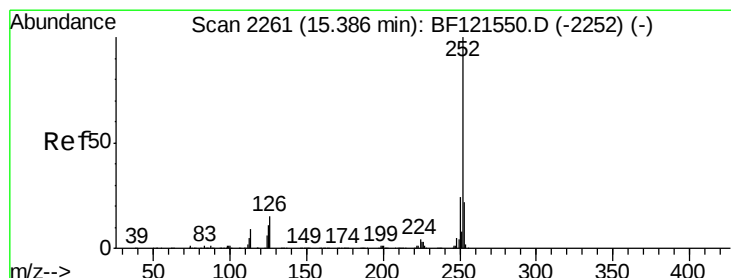
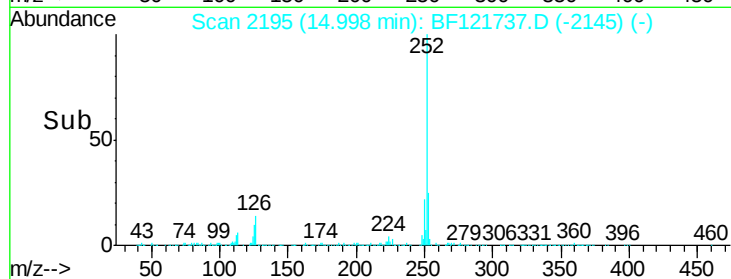
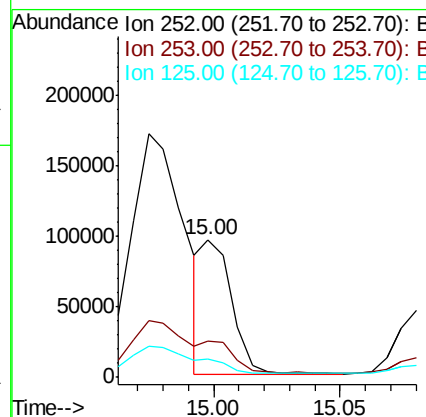
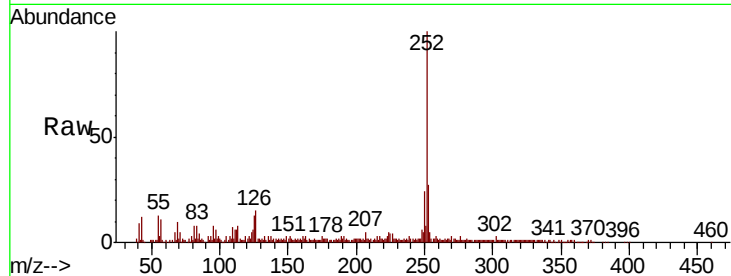
#89
Benzo(k)fluoranthene
Concen: 4.762 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Instrument :
BNA_F
ClientSampleId :
OR-03-092820

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.1	27.1
125	13.4	7.8	11.6

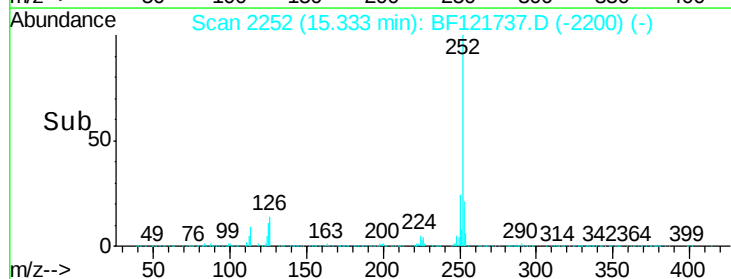
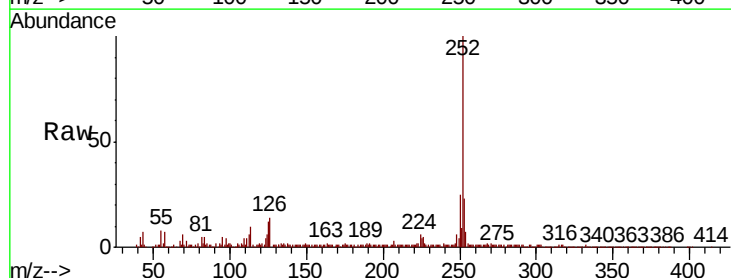
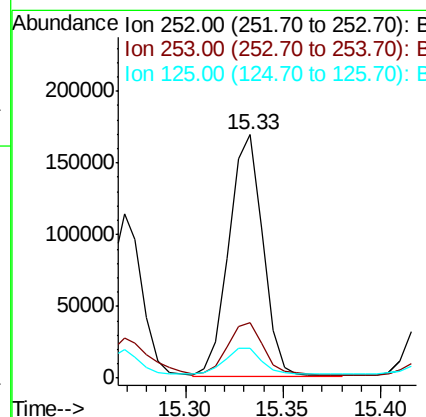
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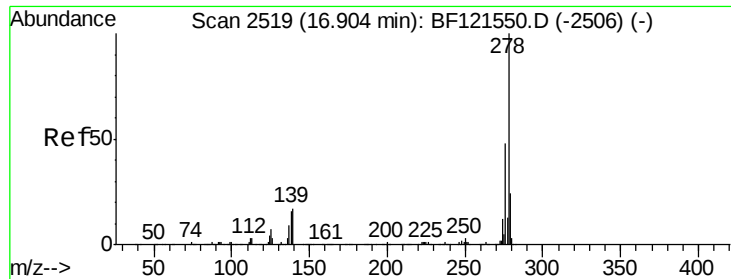
mohammad
10/1/2020 1:29:57 PM



#90
Benzo(a)pyrene
Concen: 13.252 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	12.3	9.2	13.8





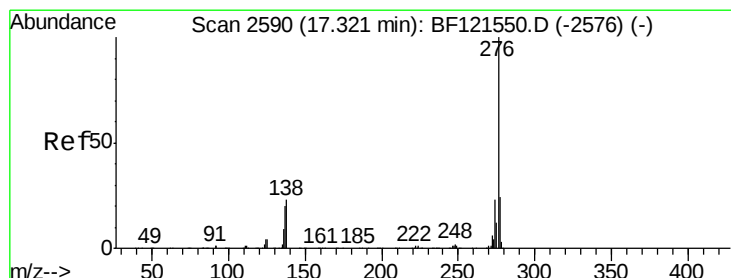
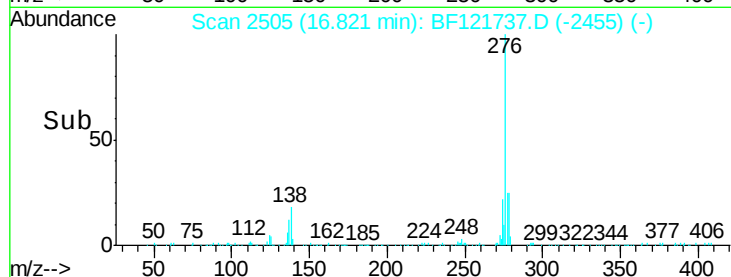
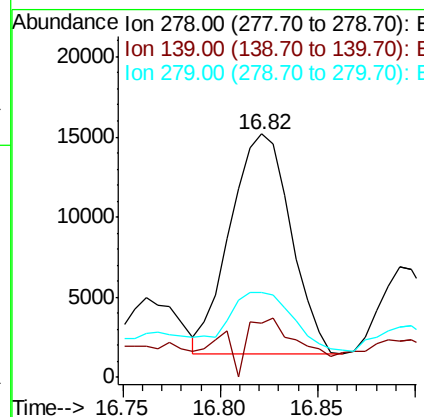
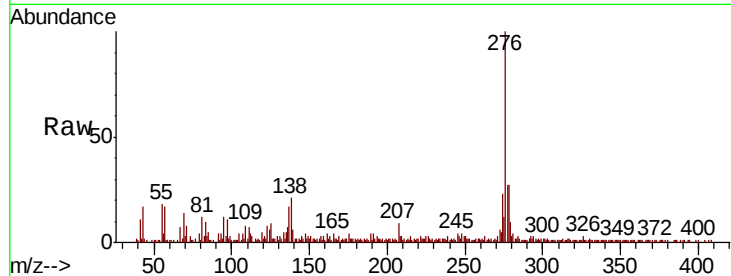
#91
Dibenzo(a,h)anthracene
Concen: 2.018 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Instrument :
BNA_F
ClientSampleId :
OR-03-092820

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.3	12.5	18.7#
279	34.7	19.2	28.8#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.889 ng
RT: 17.25 min Scan# 2578
Delta R.T. 0.01 min
Lab File: BF121737.D
Acq: 29 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	21.4	16.7	25.1

