

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
 Data File : BF121735.D
 Acq On : 29 Sep 2020 17:19
 Operator : JU/CG
 Sample : L4173-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-(0-6FT)

Manual Integrations
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mohammad
 10/1/2020 1:29:51 PM

Quant Time: Sep 29 18:30:48 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	6.78	152	125817	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	459184	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	207525	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	330667	20.00	ng	0.00
76) Chrysene-d12	13.95	240	264583	20.00	ng	0.00
86) Perylene-d12	15.39	264	208252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	774519	91.48	ng	0.00
7) Phenol-d6	6.42	99	972094	87.52	ng	0.00
23) Nitrobenzene-d5	7.35	82	630883	73.77	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	202075	78.35	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	974557	71.12	ng	0.00
79) Terphenyl-d14	12.89	244	779942	59.72	ng	0.00
Target Compounds						
31) Naphthalene	8.09	128	72583	2.994	ng	99
50) Dimethylphthalate	9.54	163	122547	8.147	ng	98
71) Phenanthrene	11.33	178	215090	11.939	ng	99
72) Anthracene	11.38	178	90924	4.891	ng	99
75) Fluoranthene	12.52	202	482736	25.101	ng	100
78) Pyrene	12.75	202	469387	24.281	ng	99
81) Benzo(a)anthracene	13.94	228	264469	15.800	ng	98
83) Chrysene	13.97	228	235172	13.874	ng	96
87) Indeno(1,2,3-cd)pyrene	16.82	276	118695	8.752	ng	97
88) Benzo(b)fluoranthene	14.97	252	283079m	20.333	ng	
89) Benzo(k)fluoranthene	15.00	252	102772m	8.061	ng	
90) Benzo(a)pyrene	15.33	252	203825	17.224	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	31958	2.831	ng	# 80
92) Benzo(g,h,i)perylene	17.24	276	109828	9.897	ng	97

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

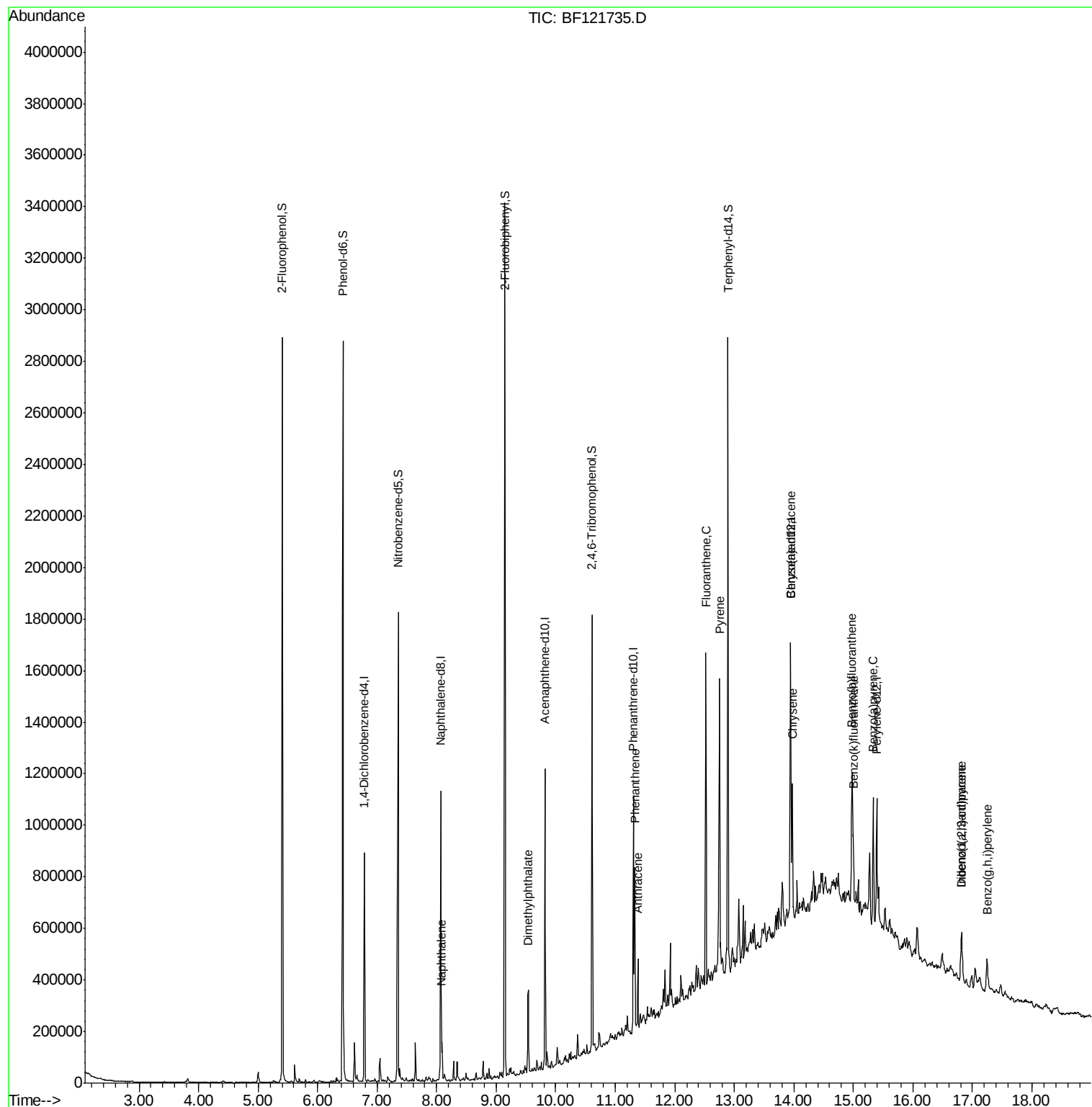
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121735.D
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Sample : L4173-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

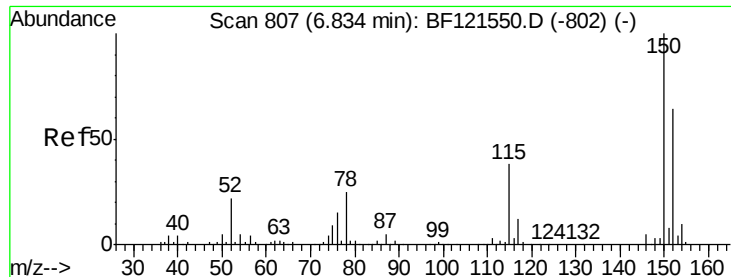
Instrument :
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TP-1-(0-6FT)

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Quant Time: Sep 29 18:30:48 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

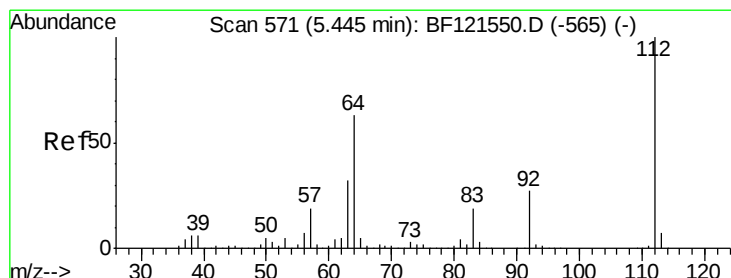
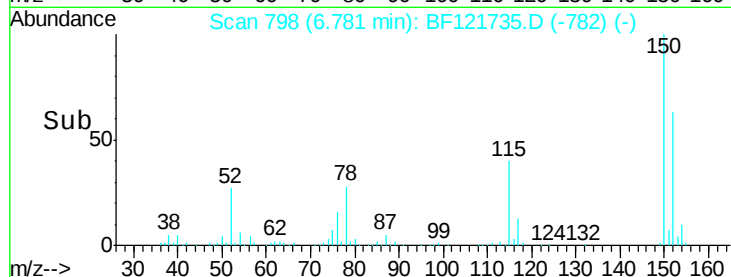
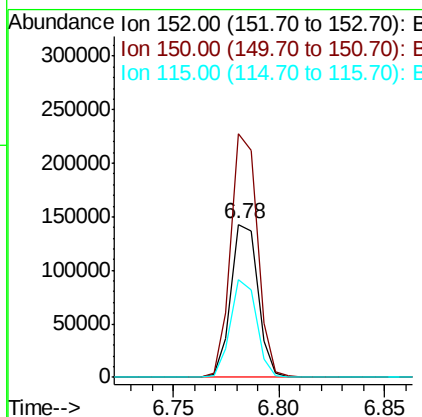
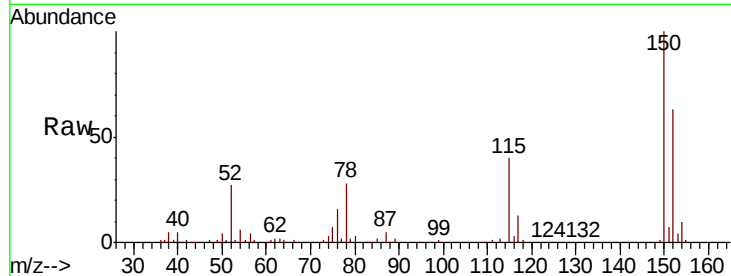
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Instrument :
BNA_F
ClientSampleId :
TP-1-(0-6FT)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.8	188.8
115	63.8	49.6	74.4

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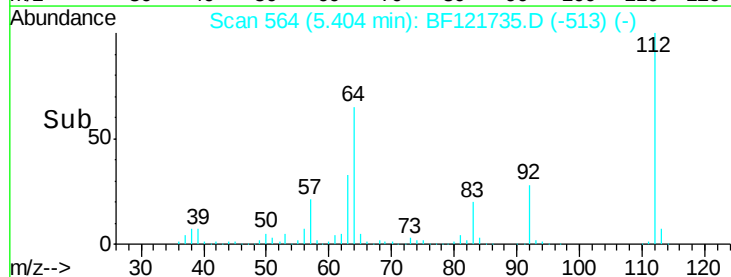
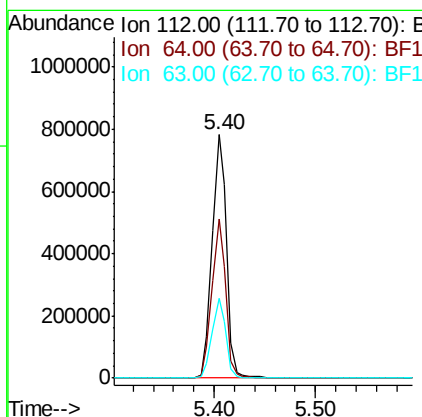
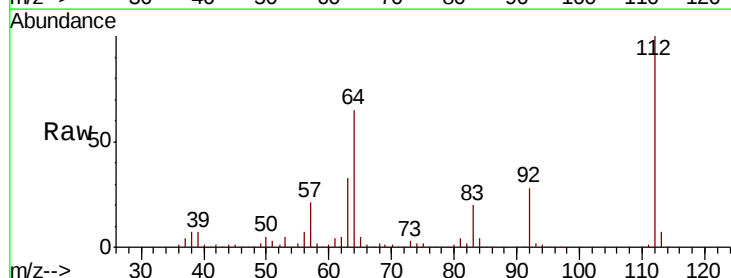
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#5

2-Fluorophenol
Concen: 91.485 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

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: 87.521 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF121735.D

Acq: 29 Sep 2020 17:19

Instrument :

BNA_F

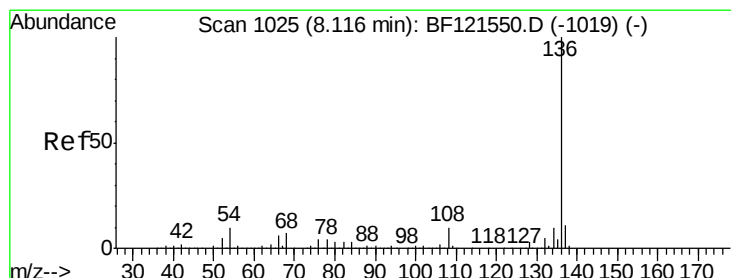
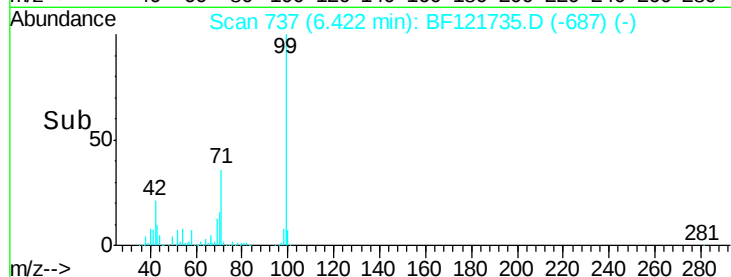
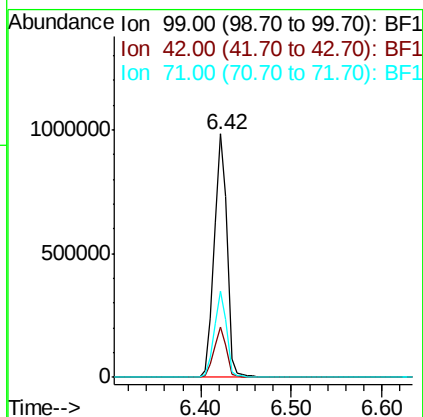
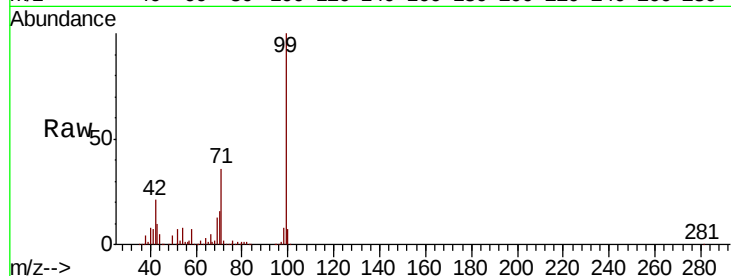
ClientSampled :

TP-1-(0-6FT)

Tot Ion:	99	Resp:	972094
Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.5	24.7
71	35.6	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

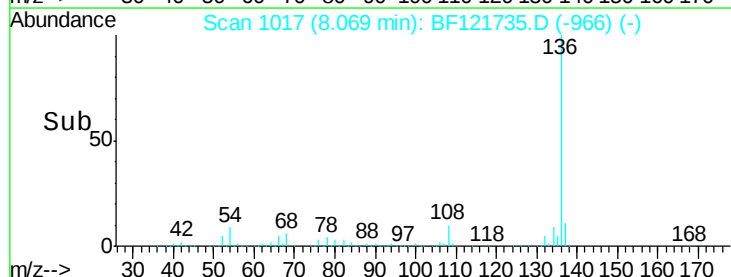
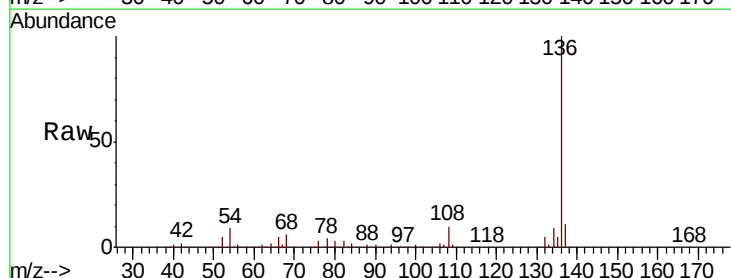
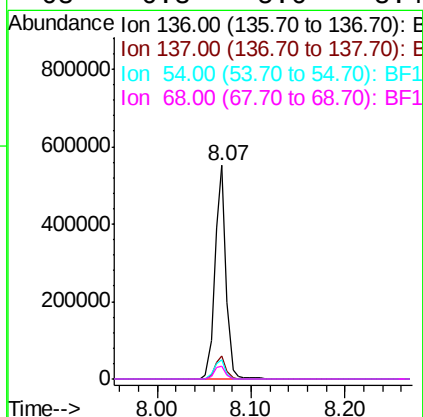
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF121735.D

Acq: 29 Sep 2020 17:19

Tgt Ion:	136	Resp:	459184
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	8.7	7.8	11.8
68	6.3	5.6	8.4





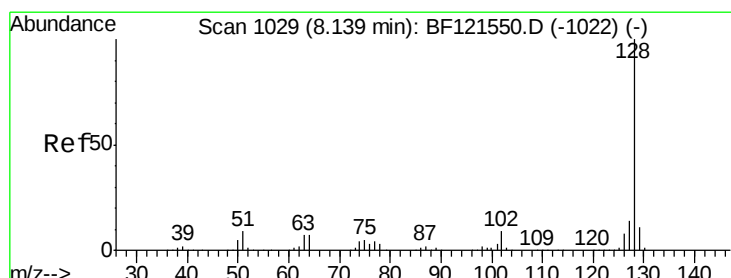
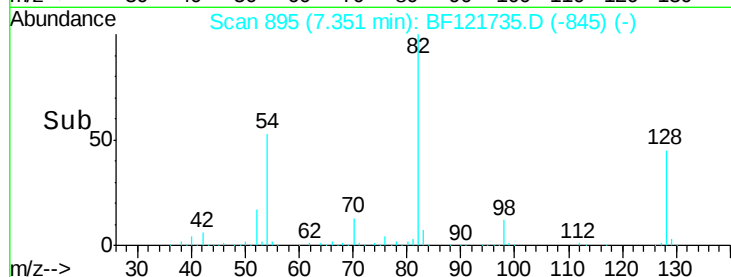
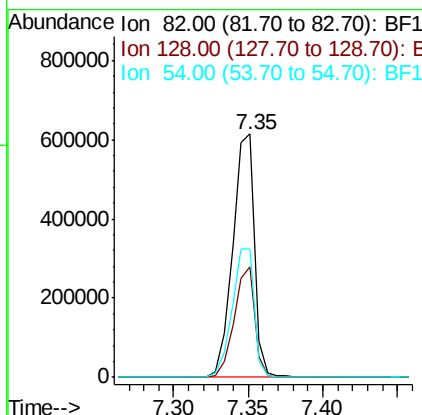
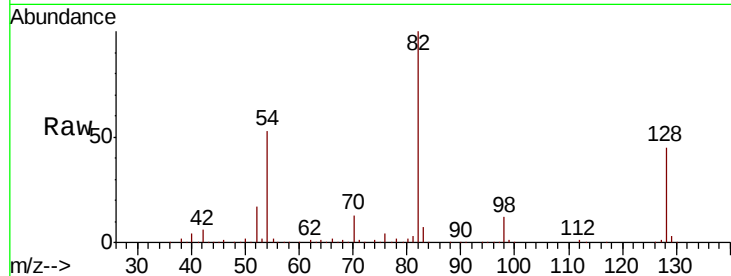
#23
 Nitrobenzene-d5
 Concen: 73.768 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-(0-6FT)

Tot Ion	82	Resp	630883
Ion Ratio	100	Lower	Upper
128	45.2	35.0	52.4
54	52.6	42.5	63.7

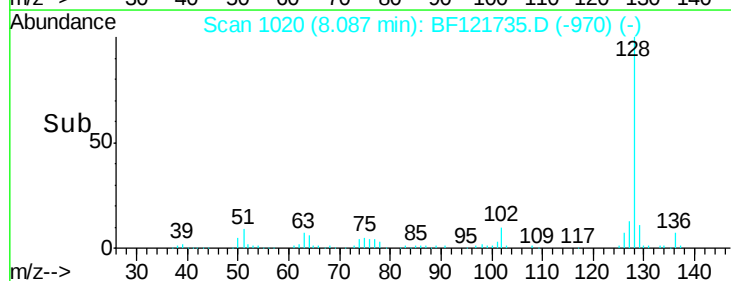
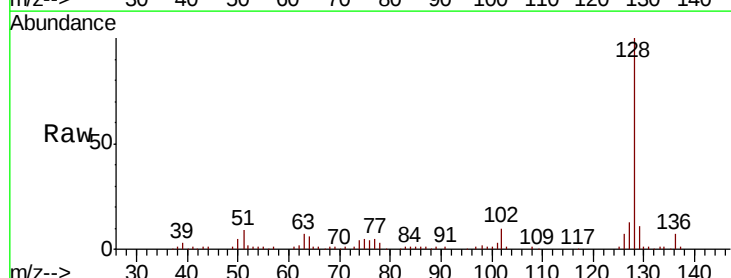
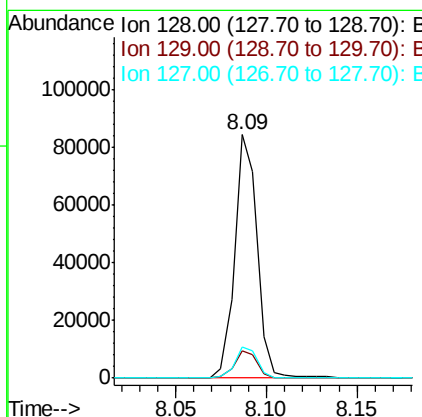
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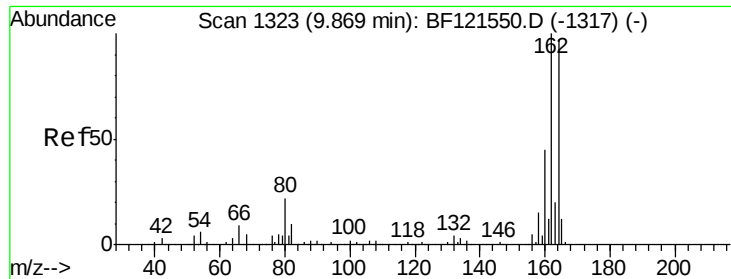
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#31
 Naphthalene
 Concen: 2.994 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Tgt Ion	128	Resp	72583
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	11.3	9.2	13.8
127	12.8	10.9	16.3





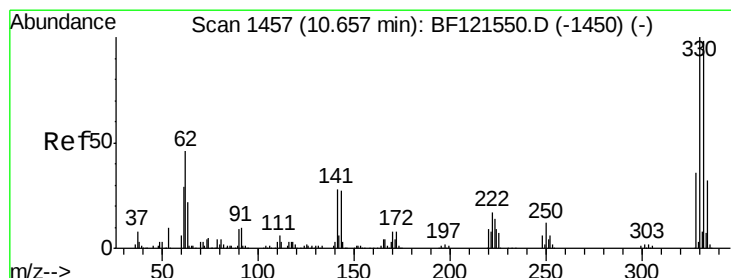
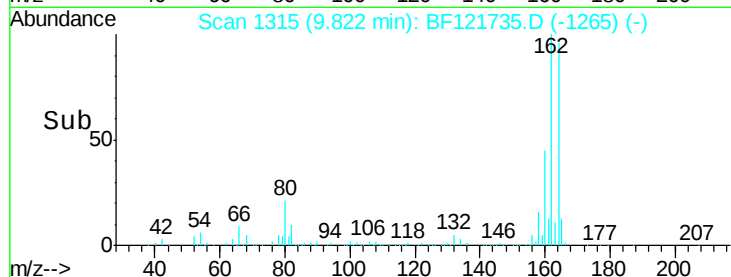
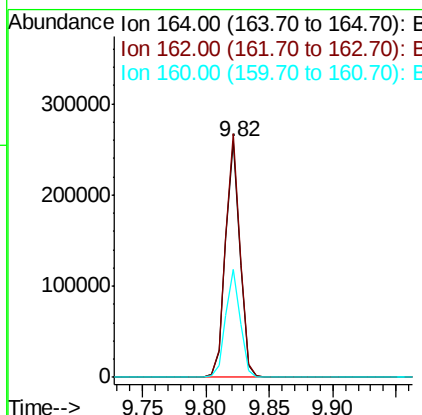
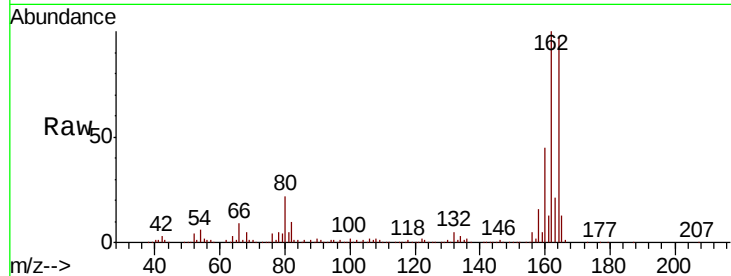
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Instrument :
BNA_F
ClientSampleId :
TP-1-(0-6FT)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.3	80.6	121.0	
160	46.1	36.9	55.3	

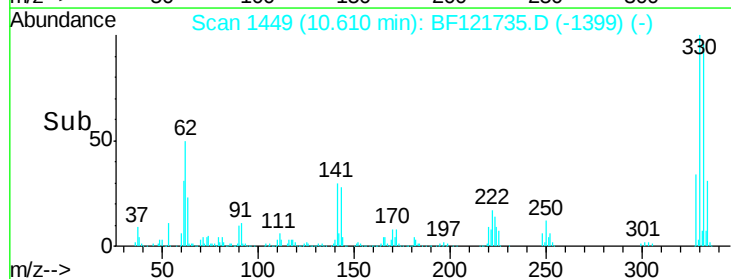
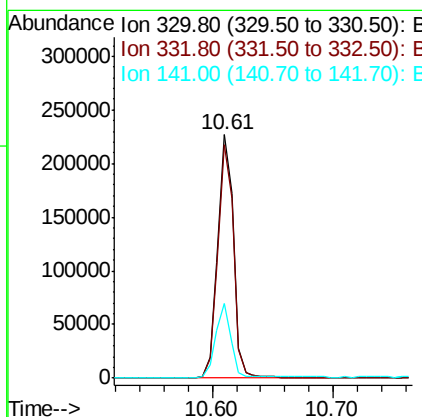
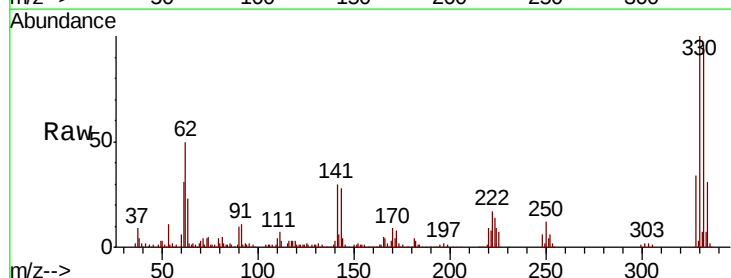
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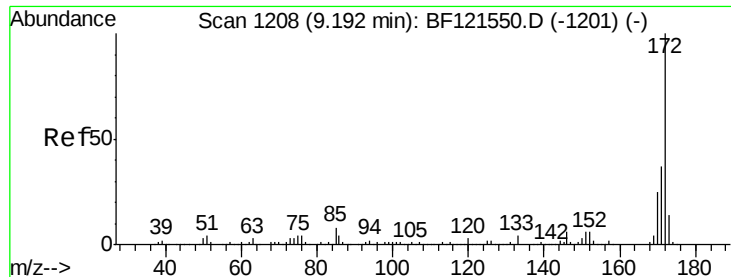
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#42
2,4,6-Tribromophenol
Concen: 78.346 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.6	116.4	
141	28.8	22.9	34.3	





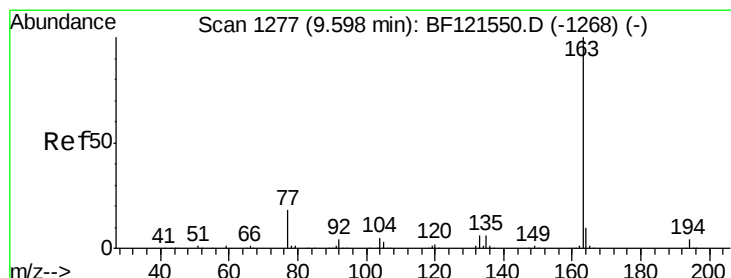
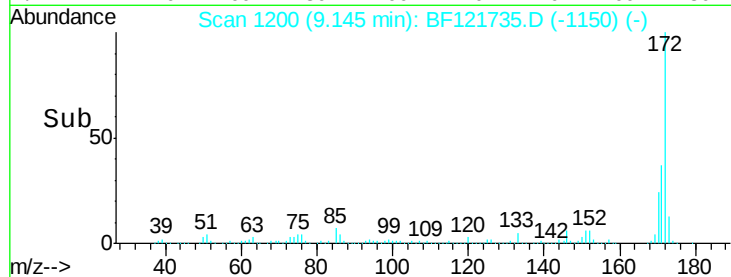
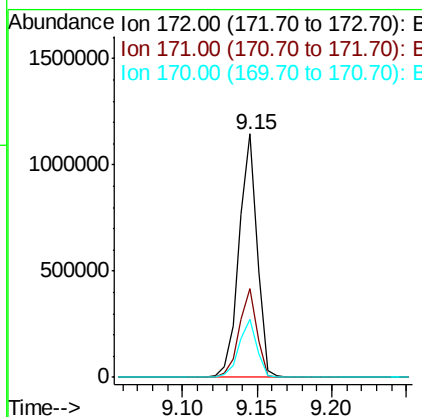
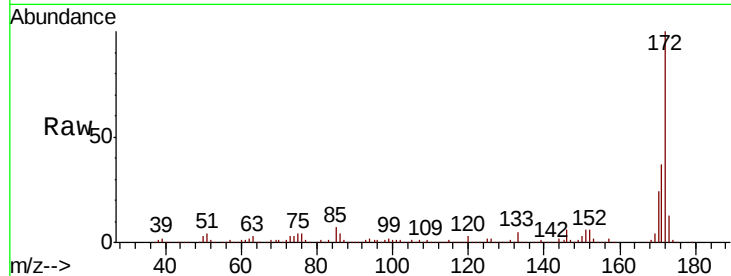
#45
2-Fluorobiphenyl
Concen: 71.124 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Instrument :
BNA_F
ClientSampleId :
TP-1-(0-6FT)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.2	43.8
170	24.0	19.7	29.5

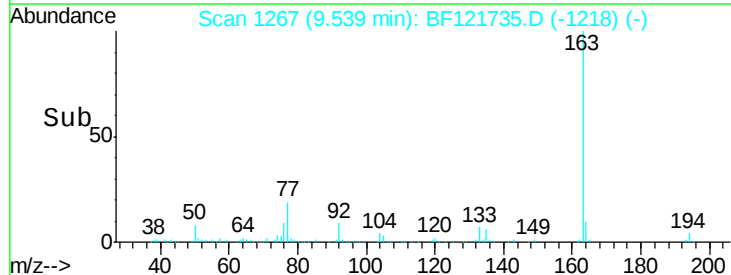
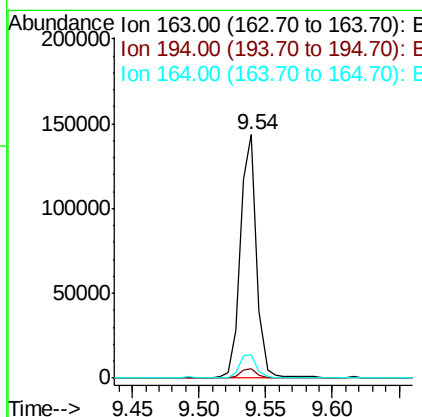
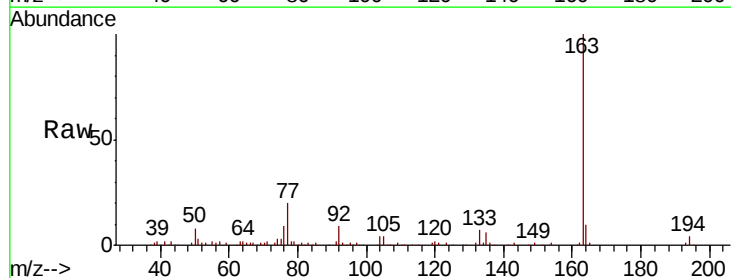
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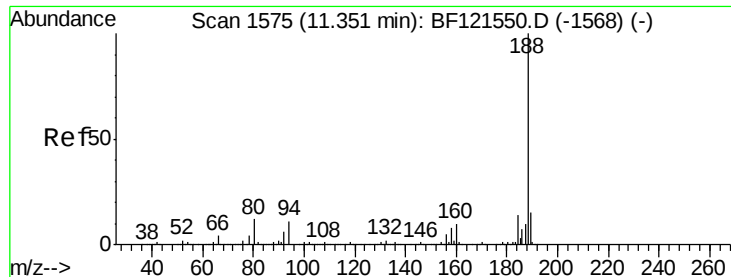
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#50
Dimethylphthalate
Concen: 8.147 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.6	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF121735.D

Acq: 29 Sep 2020 17:19

Instrument :

BNA_F

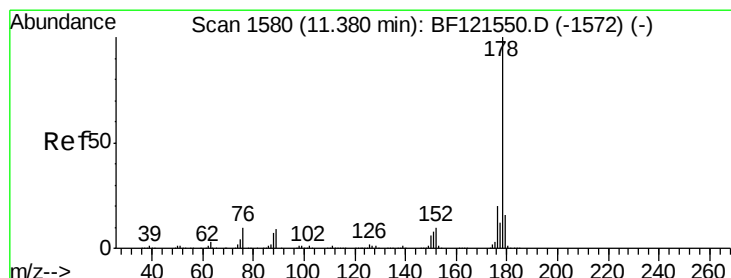
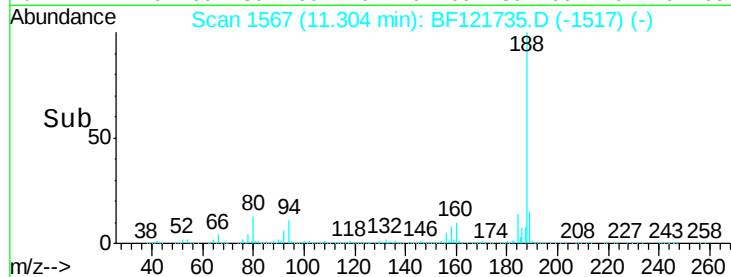
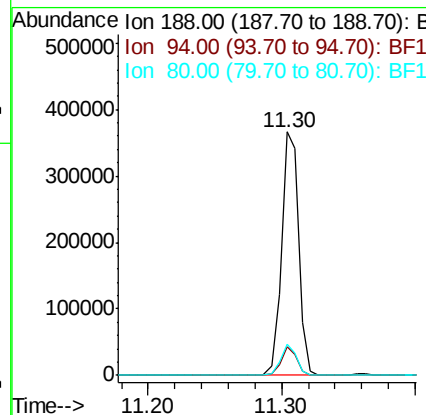
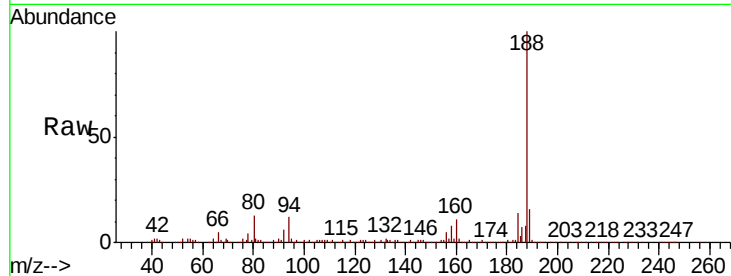
ClientSampleId :

TP-1-(0-6FT)

Tot Ion:	188	Resp:	330667
Ion Ratio	Lower	Upper	
188	100		
94	11.6	8.2	12.2
80	13.0	8.9	13.3

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#71

Phenanthrene

Concen: 11.939 ng

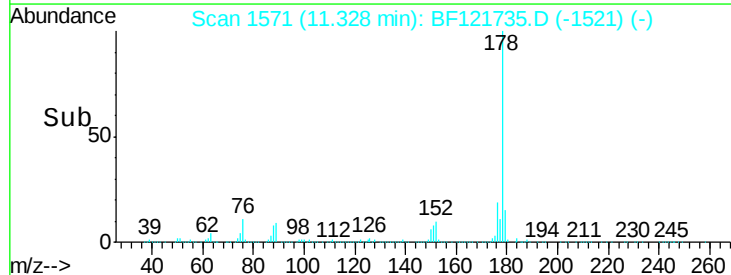
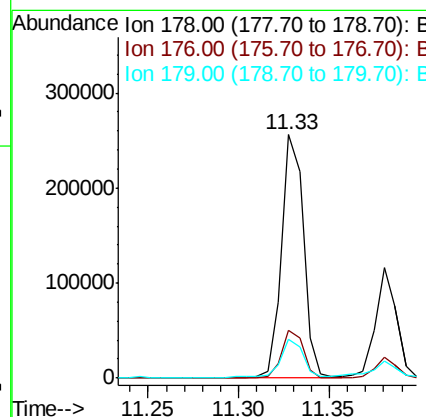
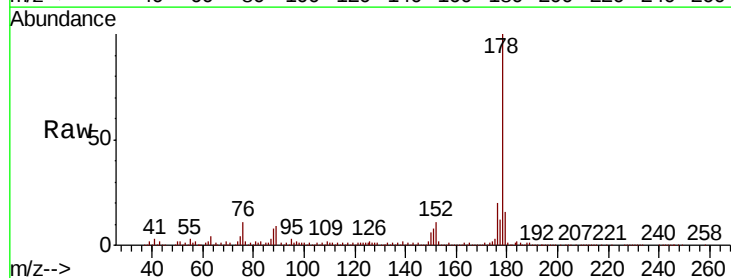
RT: 11.33 min Scan# 1571

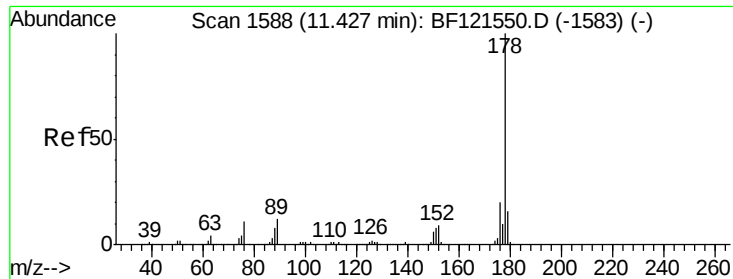
Delta R.T. -0.01 min

Lab File: BF121735.D

Acq: 29 Sep 2020 17:19

Tgt Ion:	178	Resp:	215090
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	15.9	12.6	19.0





#72

Anthracene

Concen: 4.891 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121735.D

Acq: 29 Sep 2020 17:19

Instrument :

BNA_F

ClientSampleId :

TP-1-(0-6FT)

Tot Ion:178 Resp: 90924

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

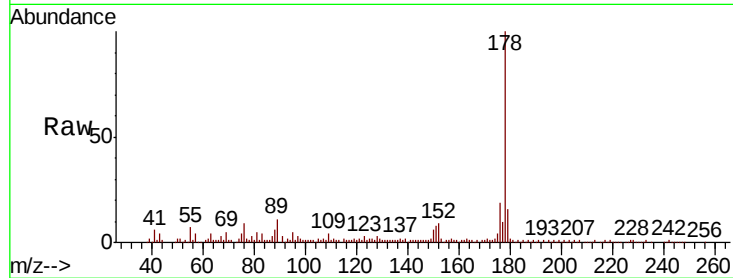
179 15.7 12.6 19.0

Manual Integrations

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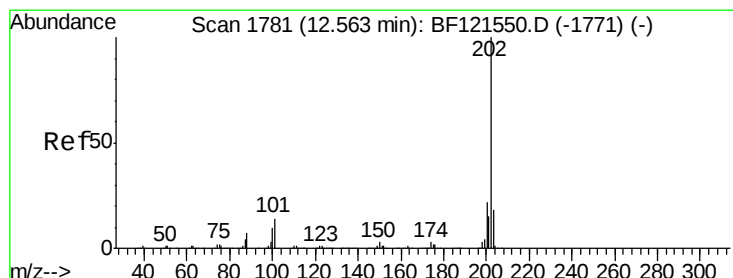
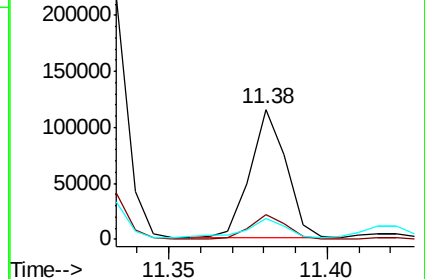
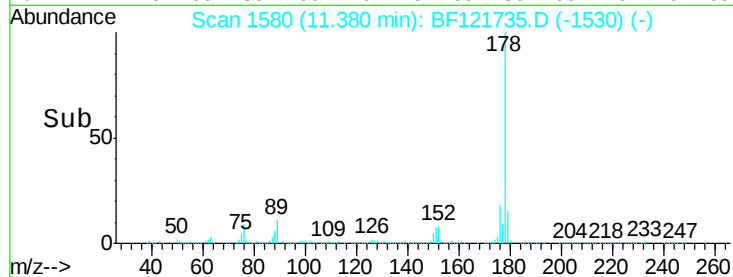
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 25.101 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF121735.D

Acq: 29 Sep 2020 17:19

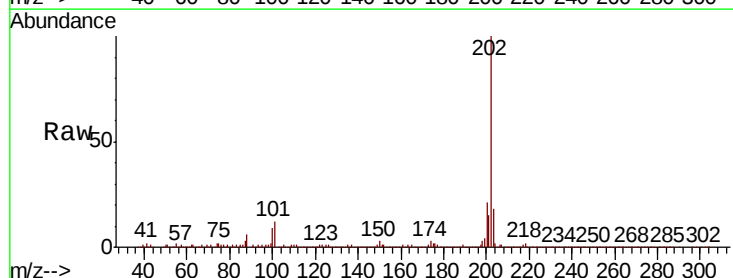
Tgt Ion:202 Resp: 482736

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.0

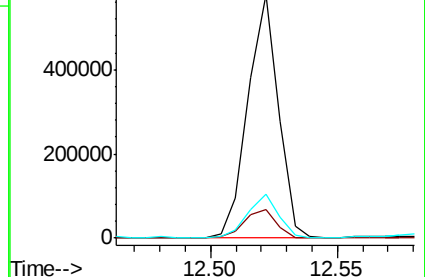
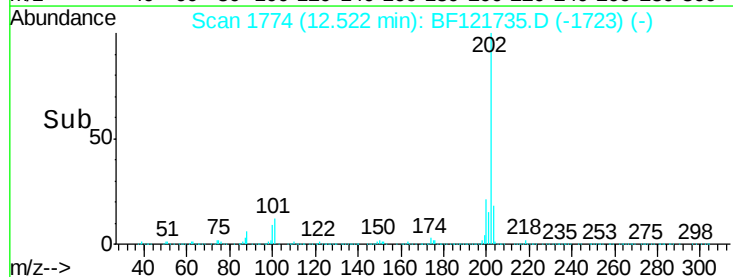
203 18.0 0.0 38.0

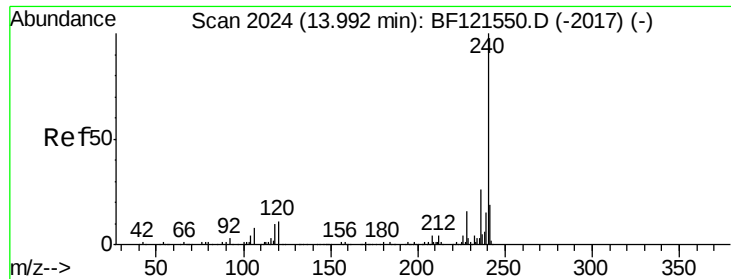


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





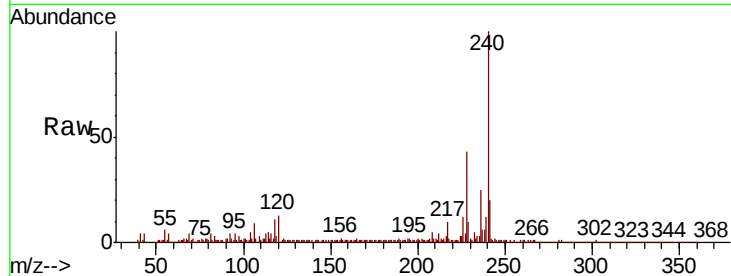
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Instrument :
BNA_F
ClientSampleId :
TP-1-(0-6FT)

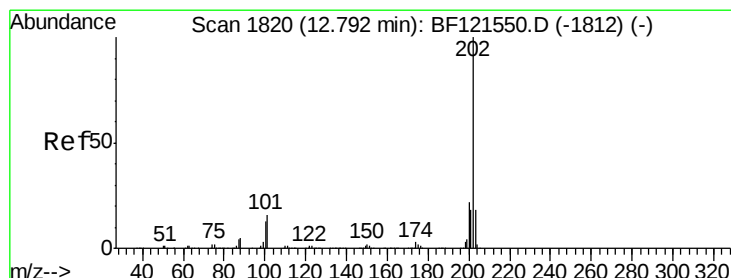
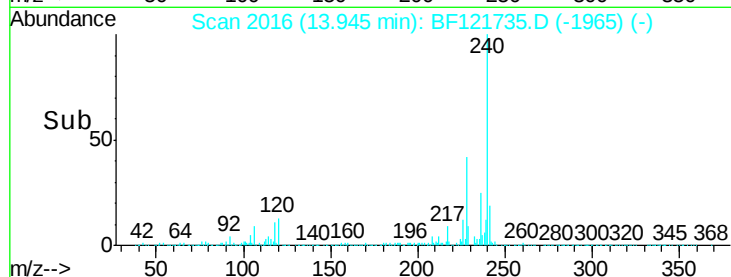
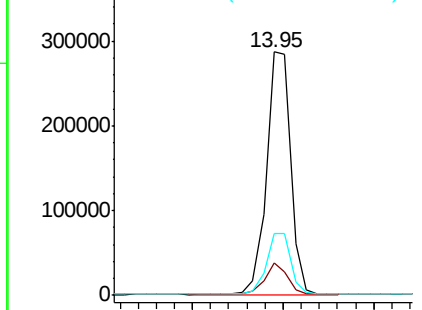
Tot Ion	Ratio	Resp	Lower	Upper
240	100	264583		
120	13.3	10.2	15.4	
236	25.3	20.4	30.6	

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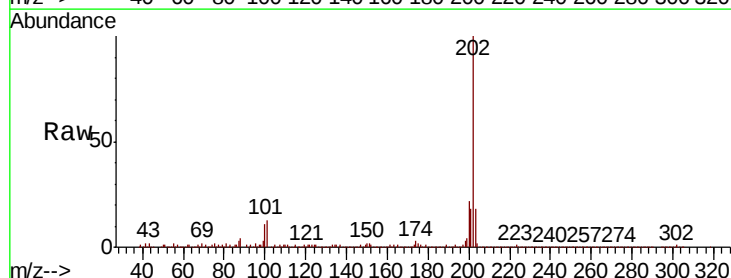


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

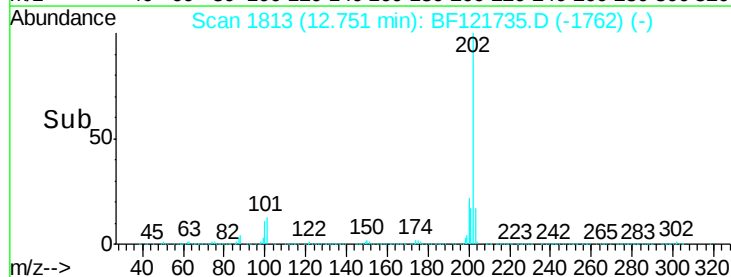
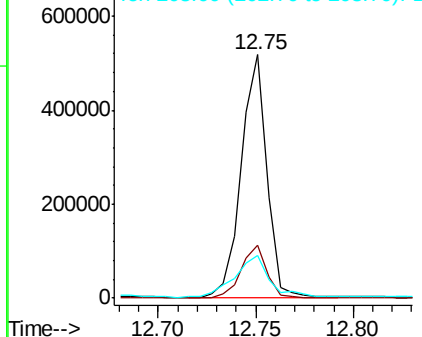


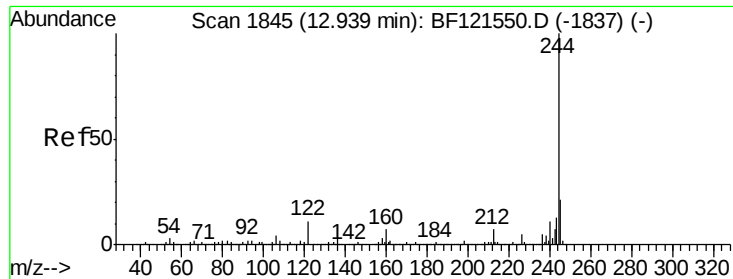
#78
Pyrene
Concen: 24.281 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	469387		
200	21.6	17.4	26.2	
203	17.8	14.5	21.7	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





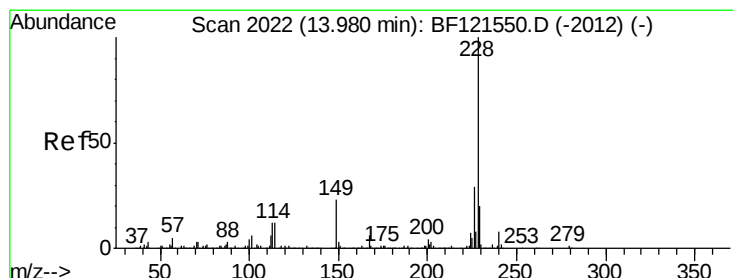
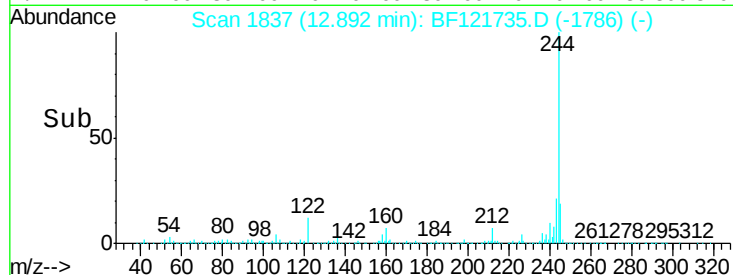
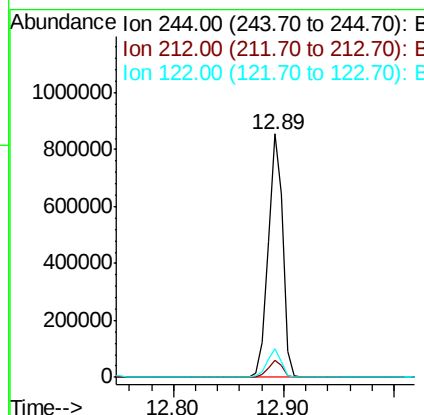
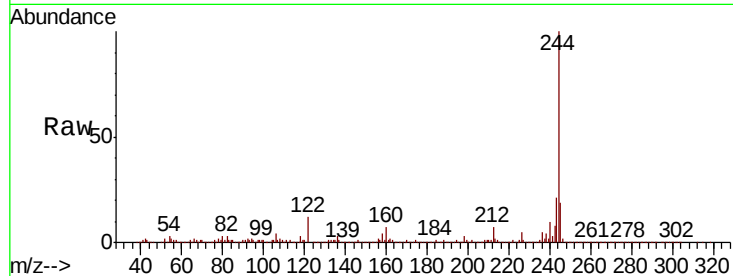
#79
 Terphenyl-d14
 Concen: 59.720 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-(0-6FT)

Tot Ion:	244	Resp:	779942
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	12.0	9.0	13.4

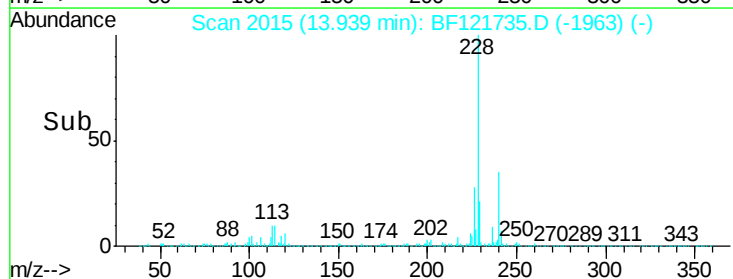
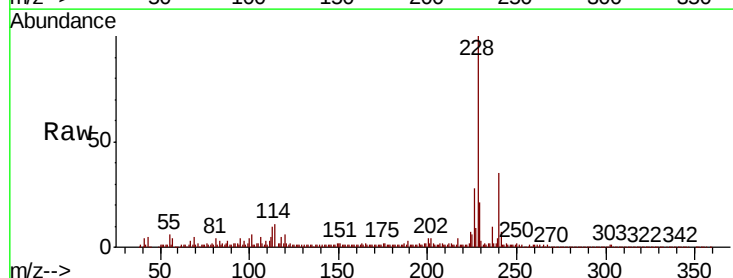
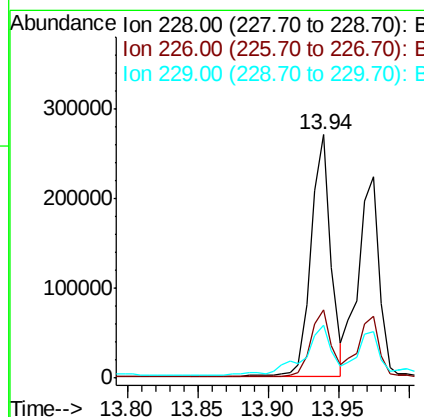
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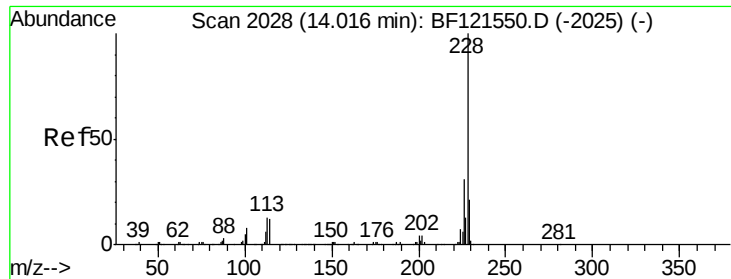
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#81
 Benzo(a)anthracene
 Concen: 15.800 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Tgt Ion:	228	Resp:	264469
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.2	33.2
229	21.5	16.2	24.4





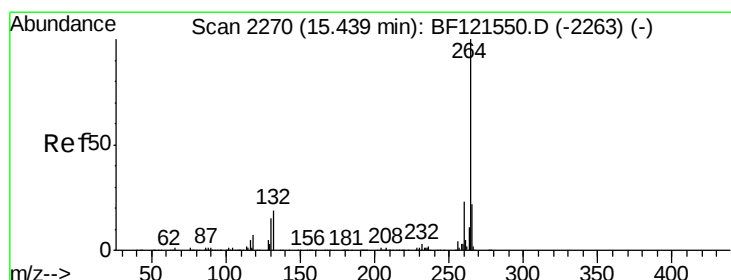
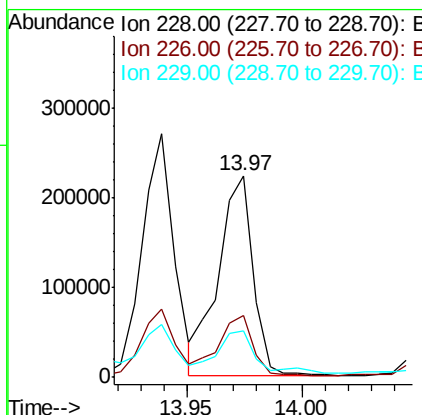
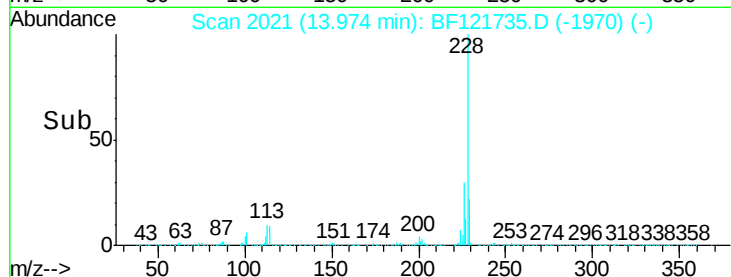
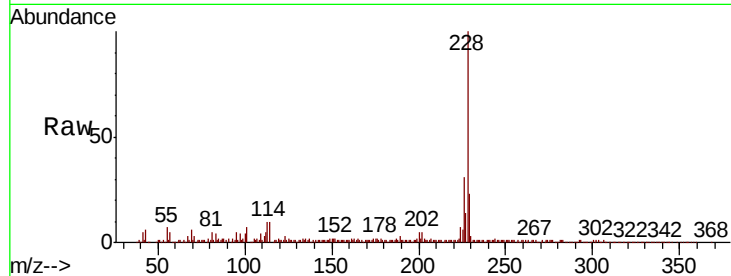
#83
 Chrysene
 Concen: 13.874 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-(0-6FT)

Tot Ion:	228	Resp:	235172
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.4	38.0
229	23.2	16.4	24.6

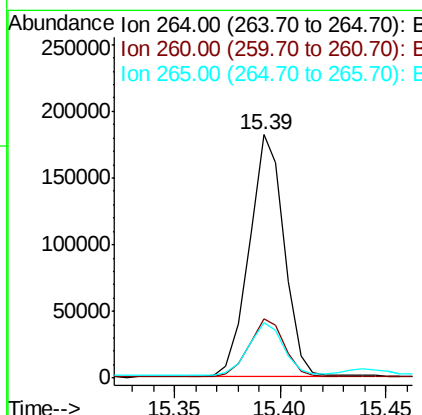
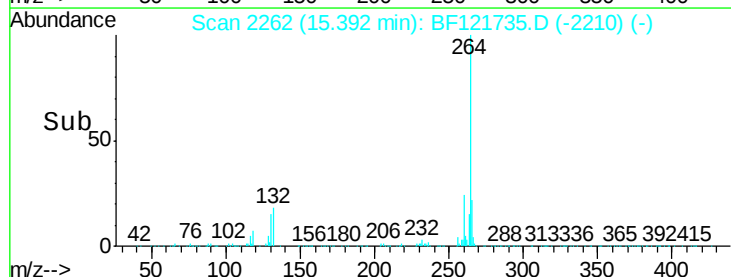
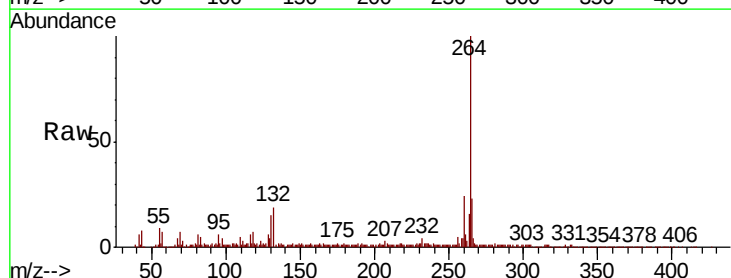
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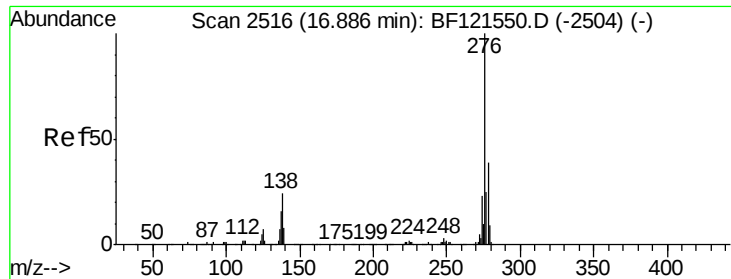
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Tgt Ion:	264	Resp:	208252
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.0	28.6
265	22.6	17.3	25.9





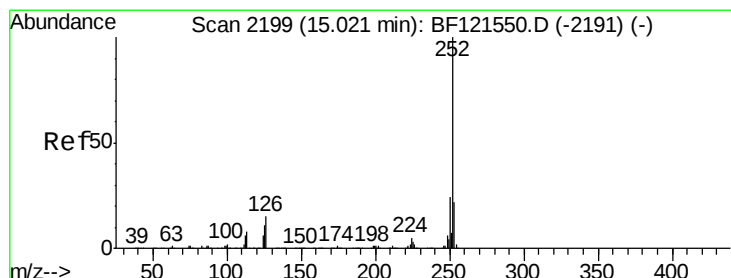
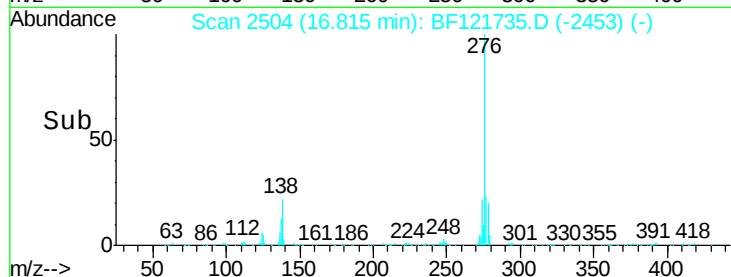
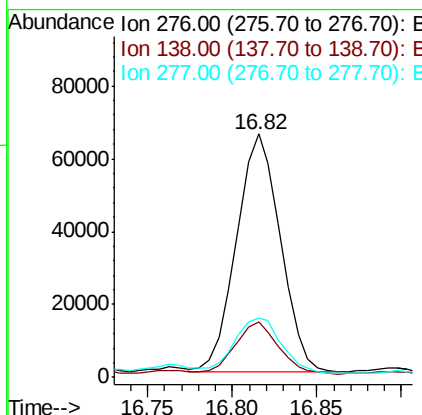
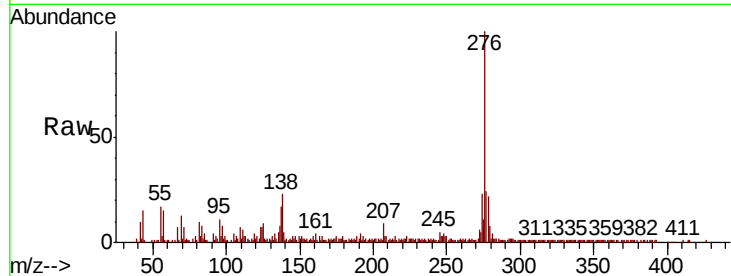
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.752 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-(0-6FT)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.4	29.0
277	25.0	20.4	30.6

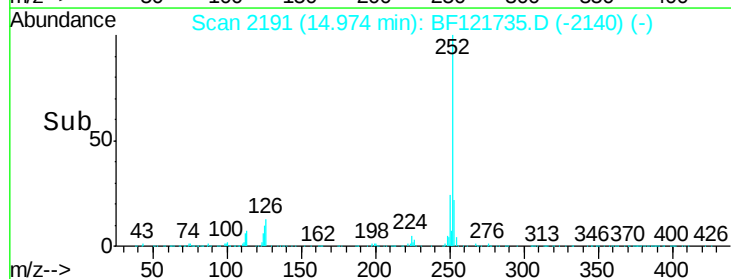
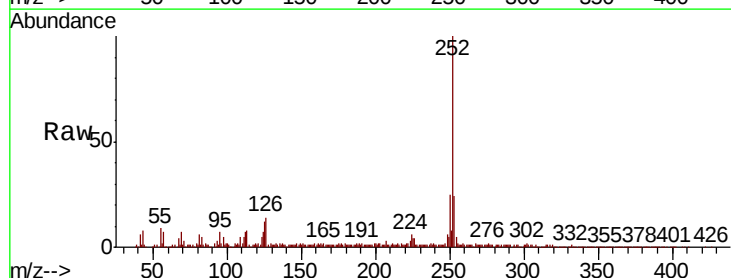
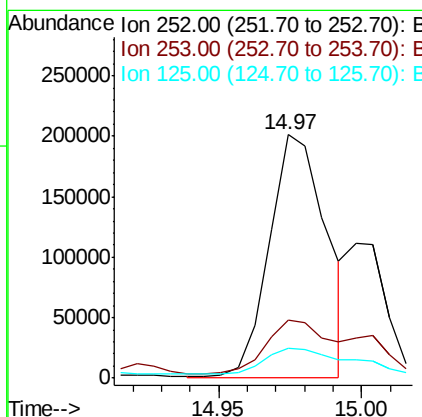
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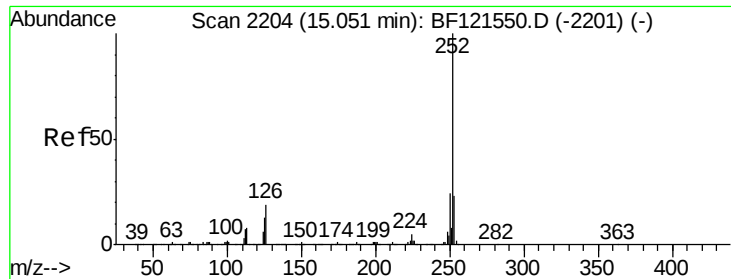
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#88
 Benzo(b)fluoranthene
 Concen: 20.333 ng m
 RT: 14.97 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: BF121735.D
 Acq: 29 Sep 2020 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	12.3	8.0	12.0#





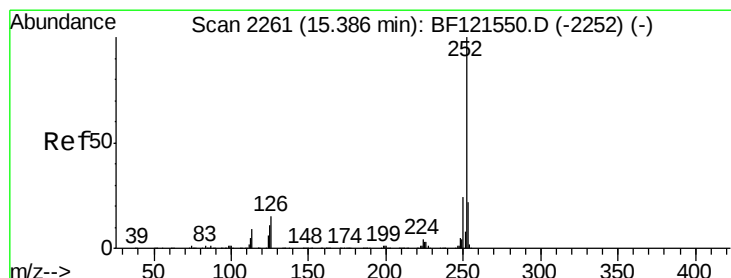
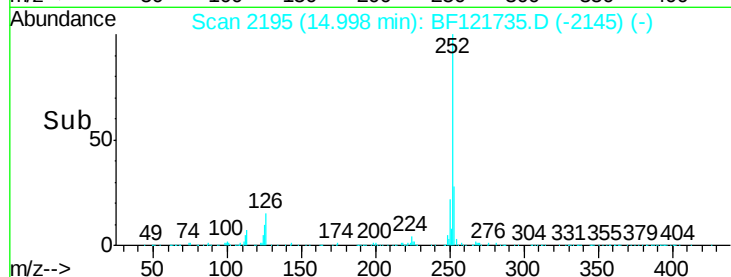
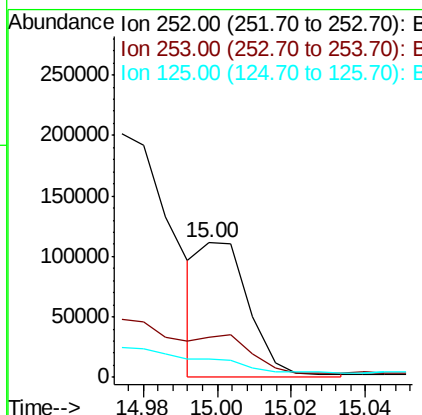
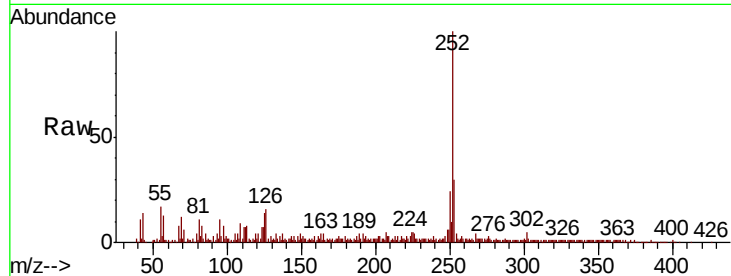
#89
Benzo(k)fluoranthene
Concen: 8.061 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Instrument :
BNA_F
ClientSampleId :
TP-1-(0-6FT)

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.1	27.1#
125	13.9	7.8	11.6#

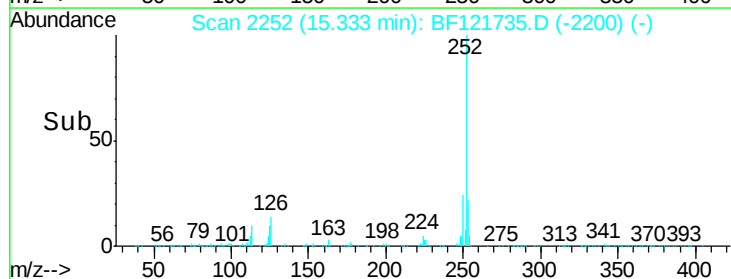
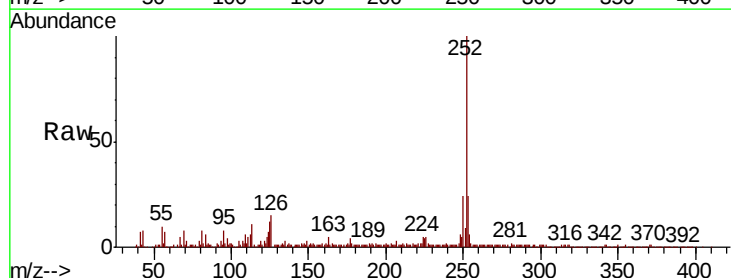
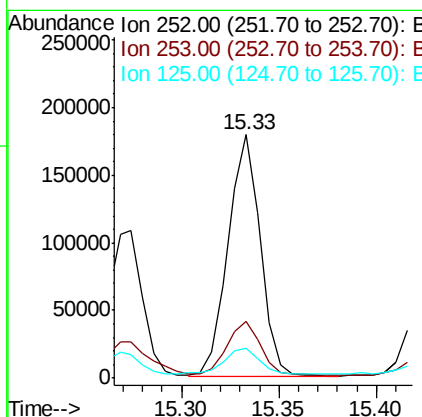
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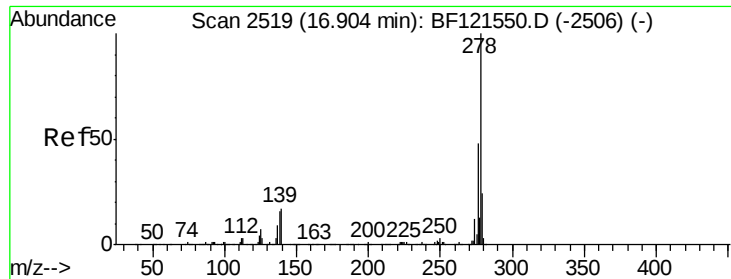
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#90
Benzo(a)pyrene
Concen: 17.224 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	12.4	9.2	13.8





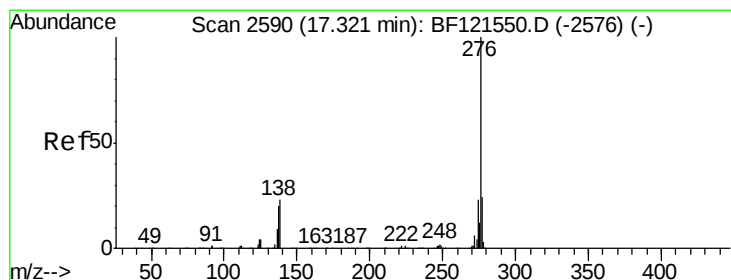
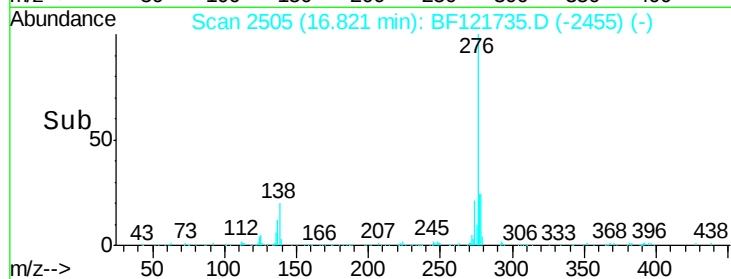
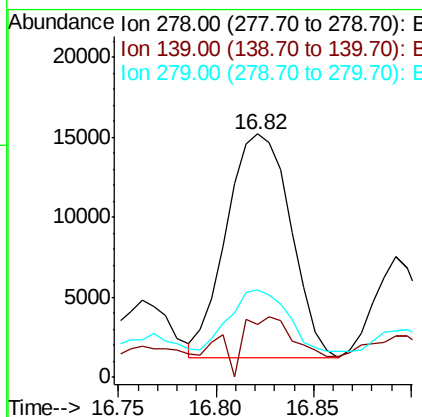
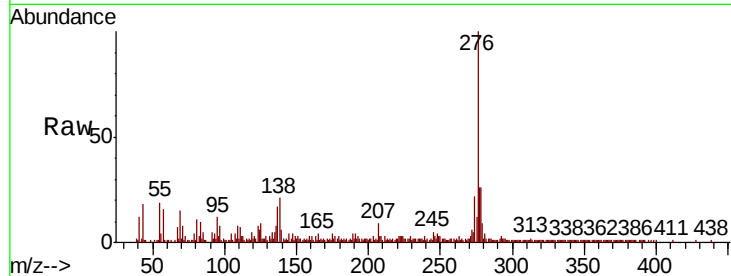
#91
Dibenzo(a,h)anthracene
Concen: 2.831 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Instrument :
BNA_F
ClientSampleId :
TP-1-(0-6FT)

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.9	12.5	18.7#
279	35.9	19.2	28.8#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 9.897 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BF121735.D
Acq: 29 Sep 2020 17:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	22.7	16.7	25.1

