

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
 Data File : BF121585.D
 Acq On : 15 Sep 2020 19:03
 Operator : JU/CG
 Sample : L4005-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22-31

Manual Integrations
 APPROVED

mohammad
 9/16/2020 10:14:57 AM

Quant Time: Sep 16 01:46:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	205751	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	751482	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	385958	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	707066	20.00	ng	0.00
76) Chrysene-d12	13.99	240	455581	20.00	ng	0.00
86) Perylene-d12	15.44	264	449980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	434249	31.37	ng	0.00
7) Phenol-d6	6.47	99	565496	31.13	ng	0.00
23) Nitrobenzene-d5	7.39	82	357892	25.57	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	140190	29.22	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	610065	23.94	ng	0.00
79) Terphenyl-d14	12.93	244	549336	24.43	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	60371	2.158	ng	Qvalue # 90
71) Phenanthrene	11.37	178	83049	2.156	ng	98
75) Fluoranthene	12.56	202	186921	4.545	ng	98
78) Pyrene	12.79	202	179719	5.399	ng	96
81) Benzo(a)anthracene	13.97	228	80988	2.810	ng	98
83) Chrysene	14.01	228	73889	2.532	ng	97
88) Benzo(b)fluoranthene	15.02	252	93841m	3.120	ng	
90) Benzo(a)pyrene	15.38	252	62870	2.459	ng	# 87

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

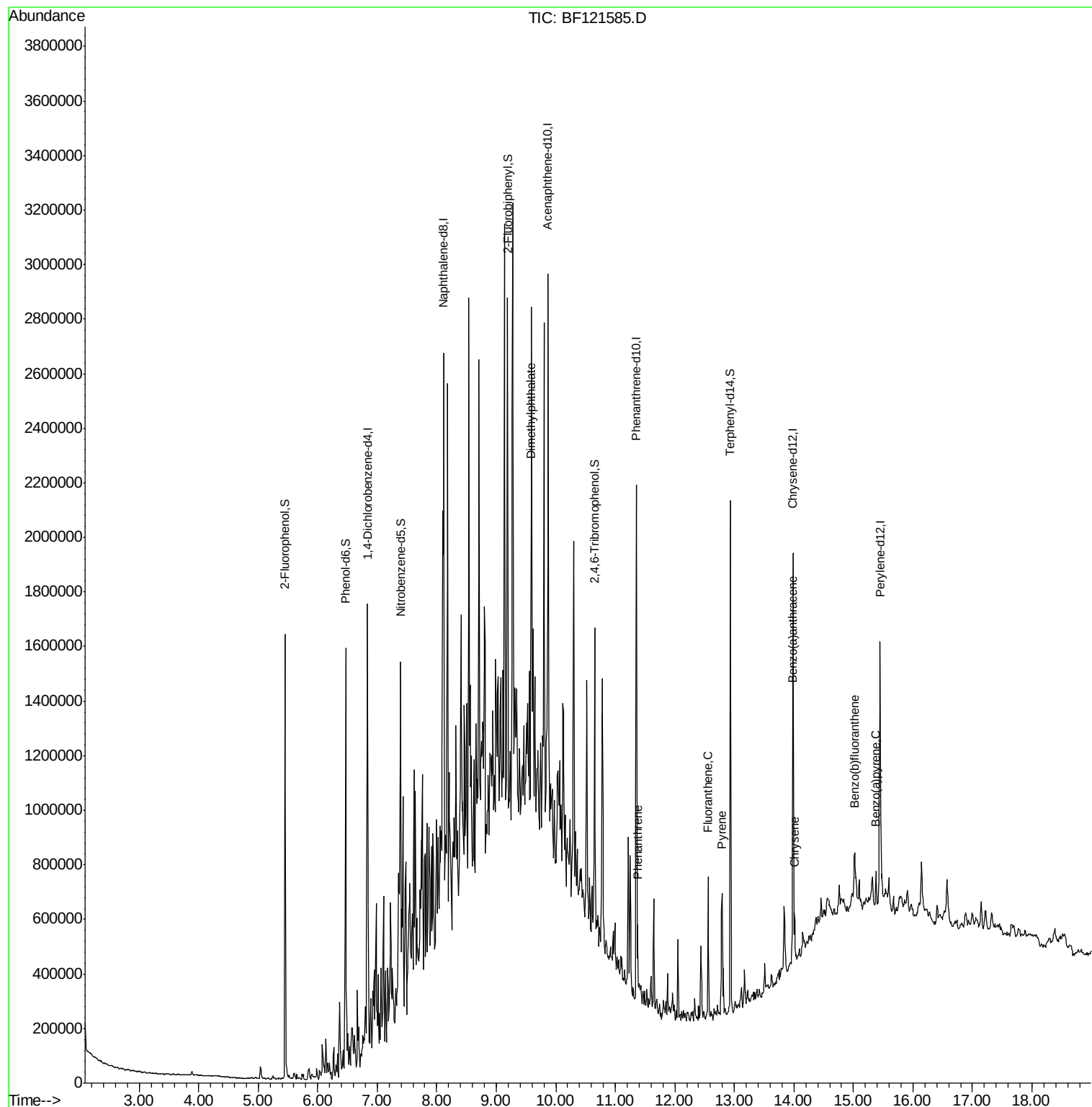
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121585.D
Acq On : 15 Sep 2020 19:03
Operator : JU/CG
Sample : L4005-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

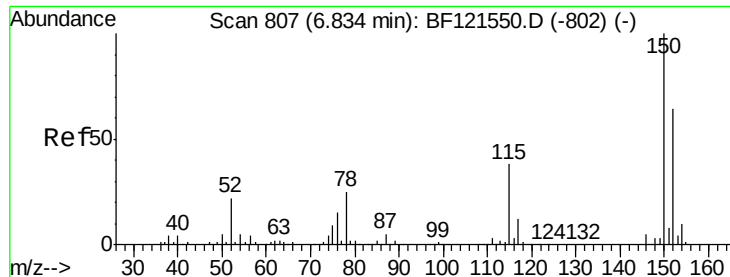
Instrument :
BNA_F
ClientSampleId :
22-31

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Quant Time: Sep 16 01:46:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration





#1

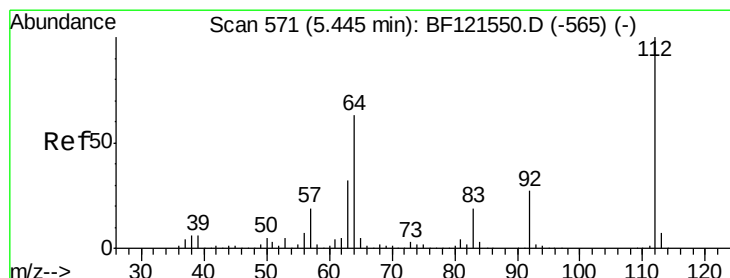
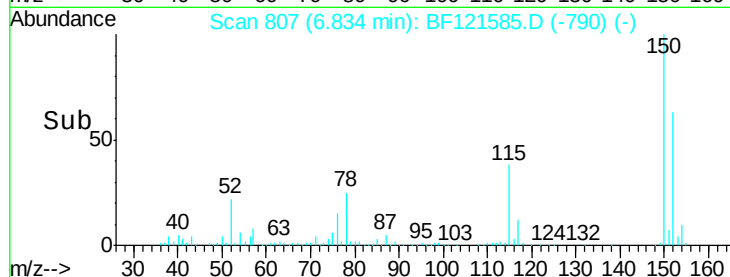
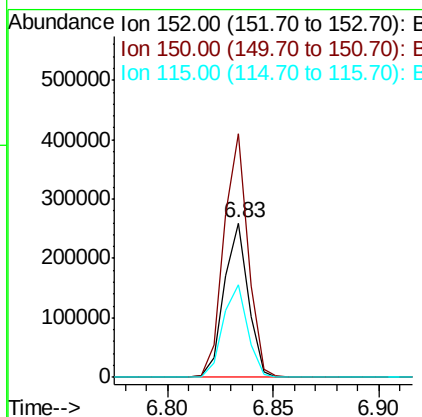
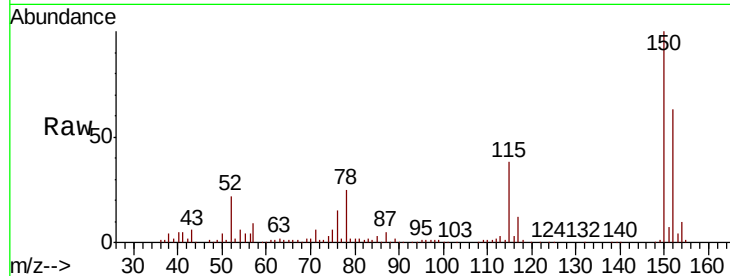
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Instrument :
BNA_F
ClientSampled :
22-31

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.6
115	60.1	47.8	71.8

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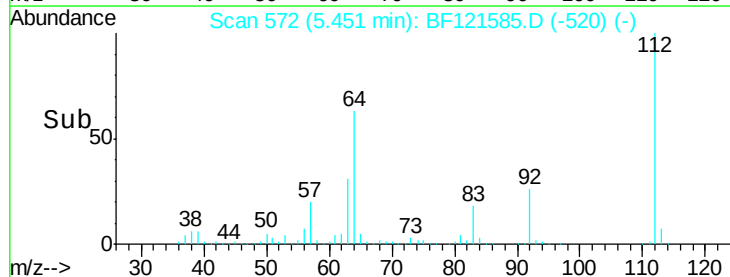
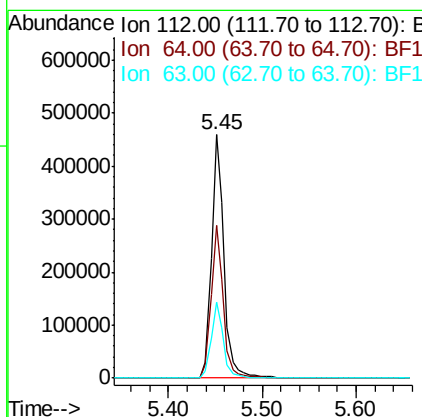
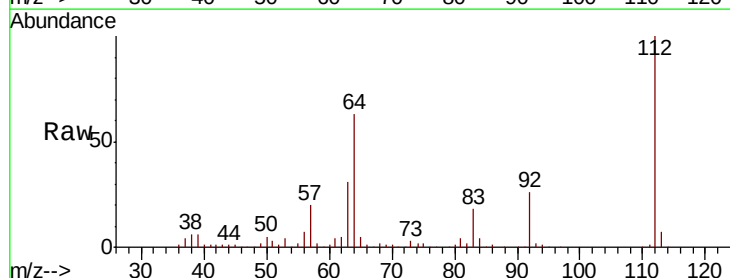
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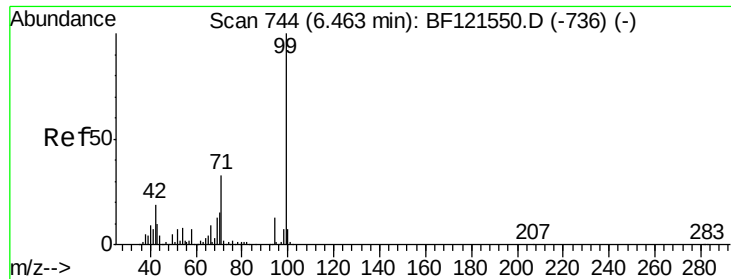


#5

2-Fluorophenol
Concen: 31.366 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	50.3	75.5
63	31.2	25.6	38.4





#7

Phenol-d6

Concen: 31.134 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121585.D

Acq: 15 Sep 2020 19:03

Instrument :

BNA_F

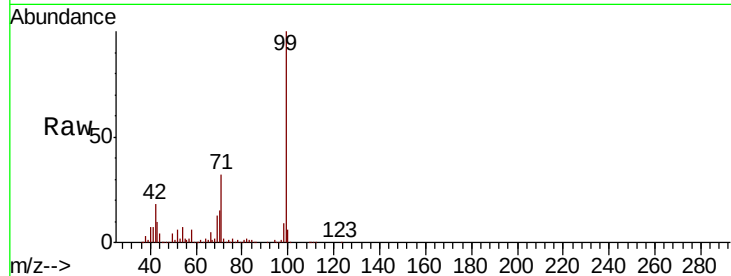
ClientSampleId :

22-31

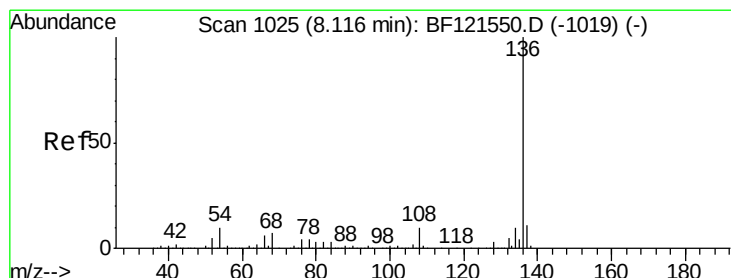
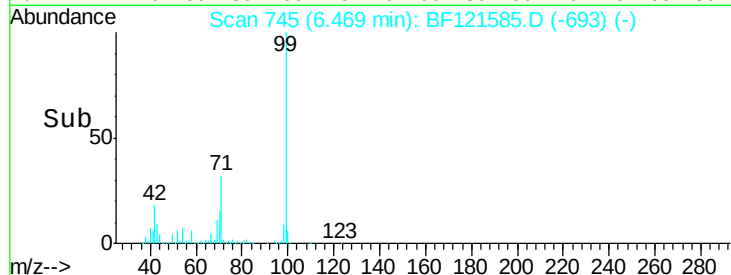
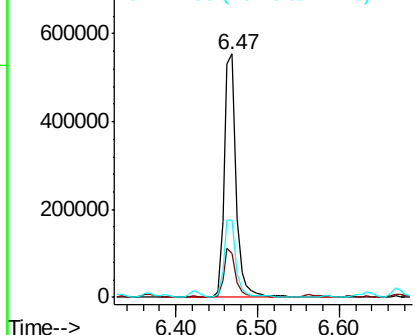
Tot Ion:	99	Resp:	565496
Ion Ratio	Lower	Upper	
99	100		
42	18.3	15.5	23.3
71	32.0	26.1	39.1

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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: 8.12 min Scan# 1025

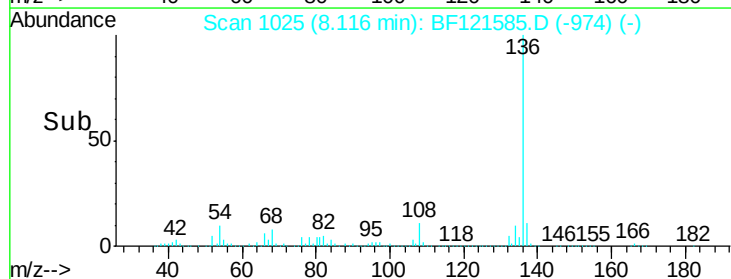
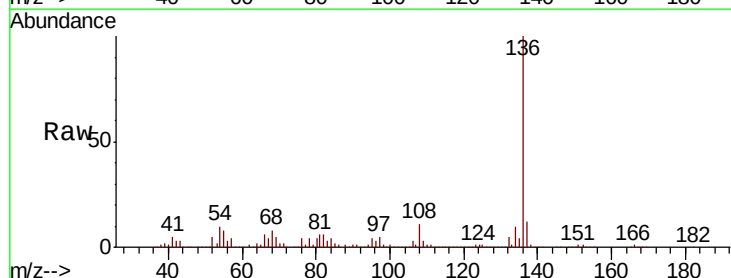
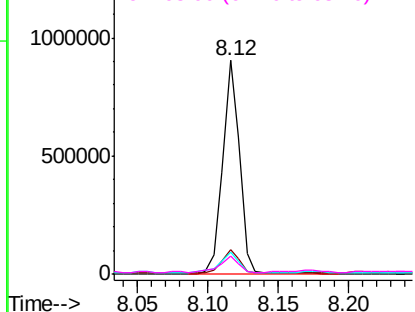
Delta R.T. -0.00 min

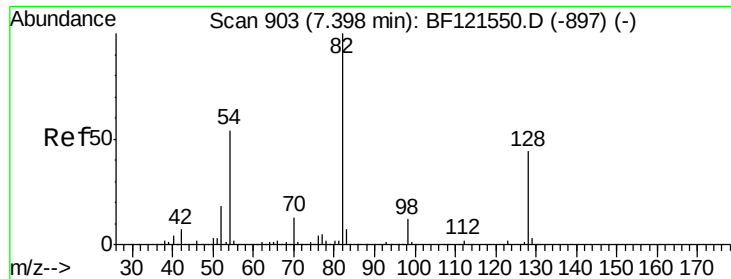
Lab File: BF121585.D

Acq: 15 Sep 2020 19:03

Tgt Ion:	136	Resp:	751482
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	10.4	7.6	11.4
68	8.2	5.7	8.5

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





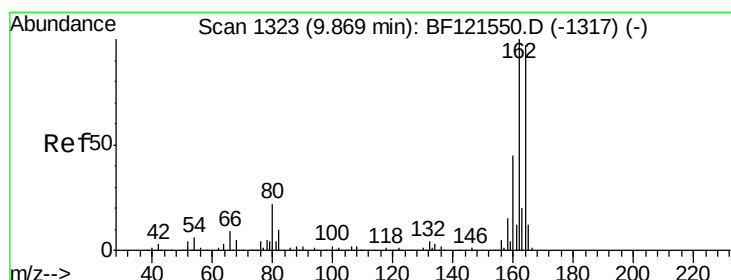
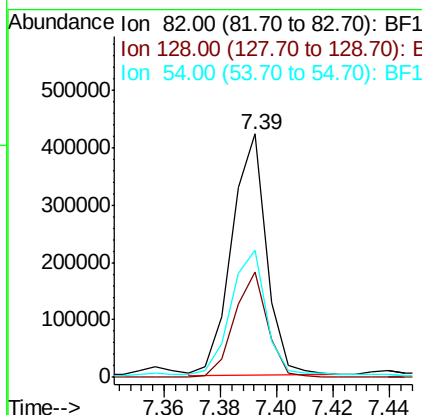
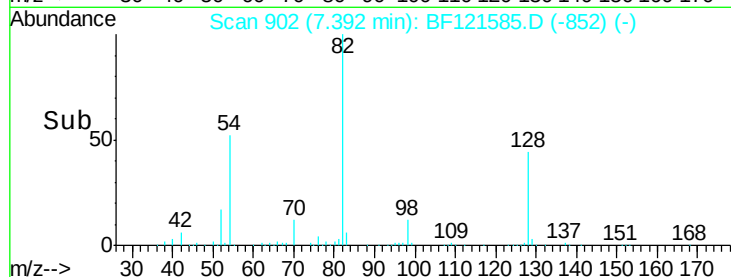
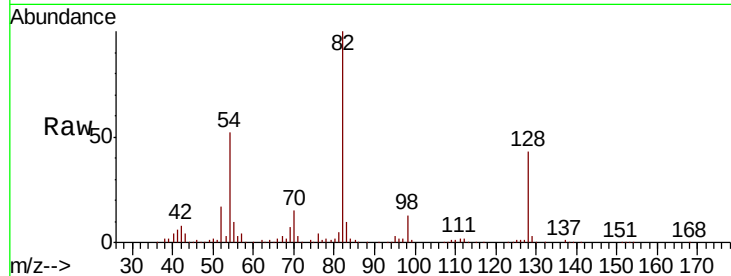
#23
 Nitrobenzene-d5
 Concen: 25.571 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF121585.D
 Acq: 15 Sep 2020 19:03

Instrument :
 BNA_F
 ClientSampled :
 22-31

Tot Ion:	82	Resp:	357892
Ion Ratio	Lower	Upper	
82	100		
128	43.1	35.1	52.7
54	52.1	43.0	64.6

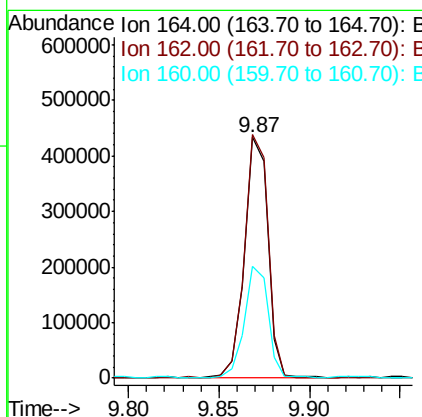
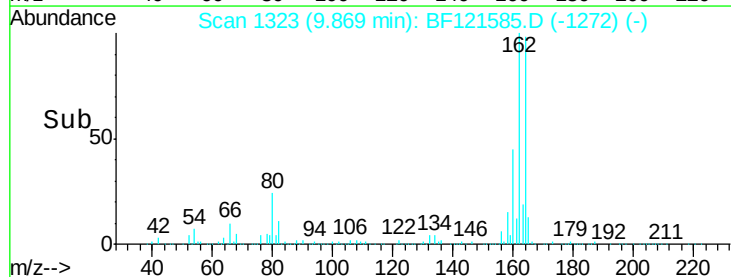
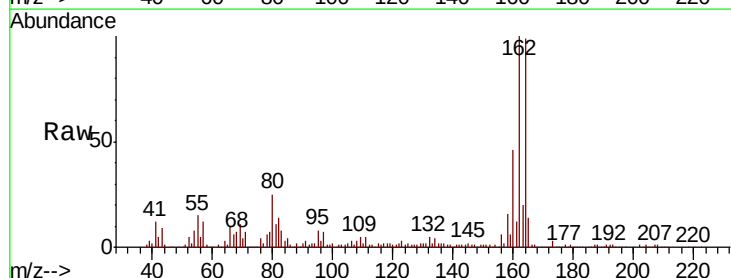
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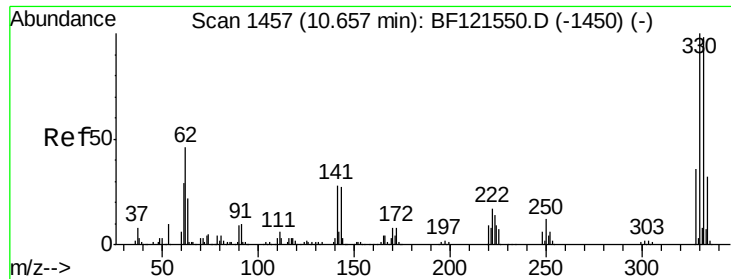
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF121585.D
 Acq: 15 Sep 2020 19:03

Tgt Ion:	164	Resp:	385958
Ion Ratio	Lower	Upper	
164	100		
162	101.2	82.3	123.5
160	46.3	37.0	55.4





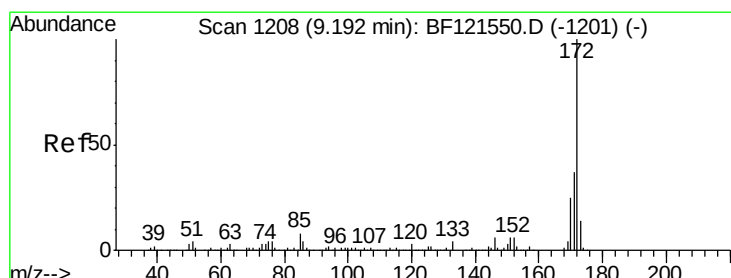
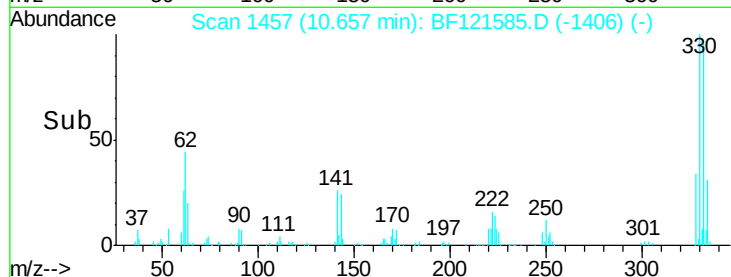
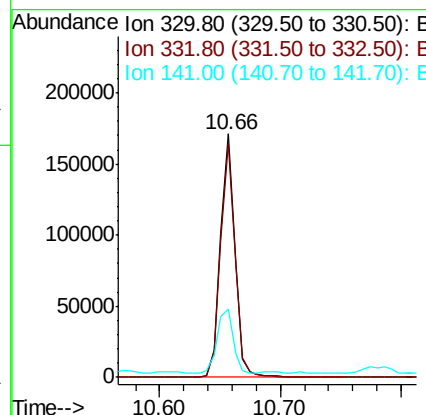
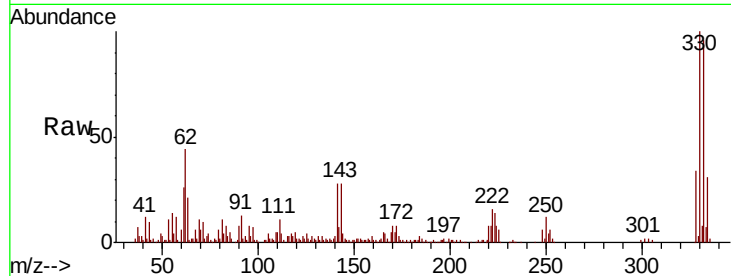
#42
 2,4,6-Tribromophenol
 Concen: 29.225 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: BF121585.D
 Acq: 15 Sep 2020 19:03

Instrument :
 BNA_F
 ClientSampled :
 22-31

Tot Ion	Ratio	Resp	Lower	Upper
330	100	140190		
332	96.3	77.1	115.7	
141	29.6	23.6	35.4	

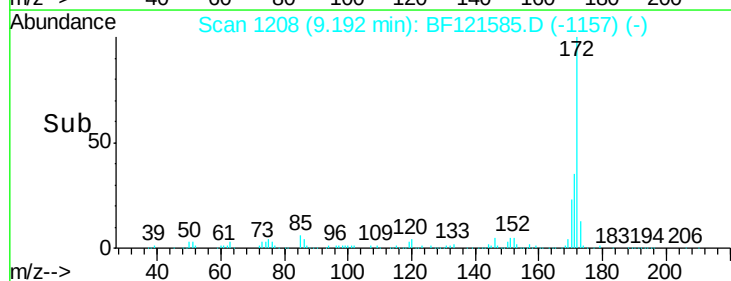
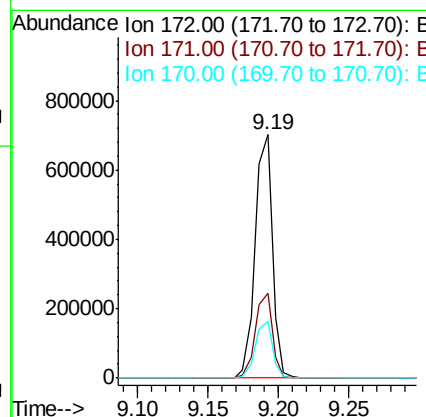
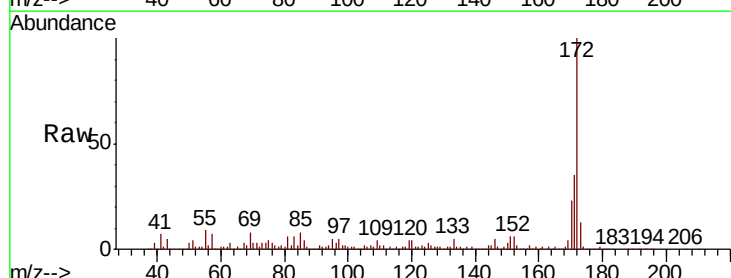
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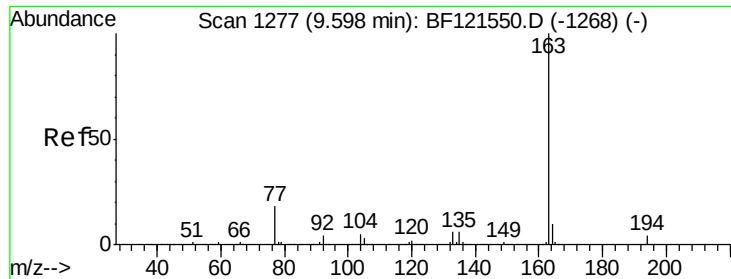
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#45
 2-Fluorobiphenyl
 Concen: 23.939 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF121585.D
 Acq: 15 Sep 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	610065		
171	35.1	29.8	44.6	
170	23.3	19.8	29.8	





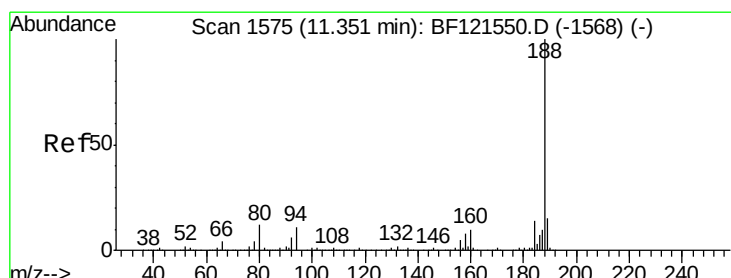
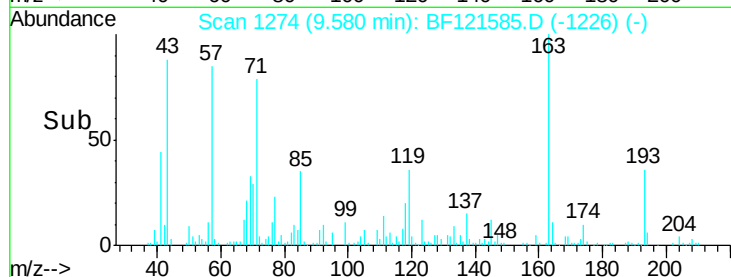
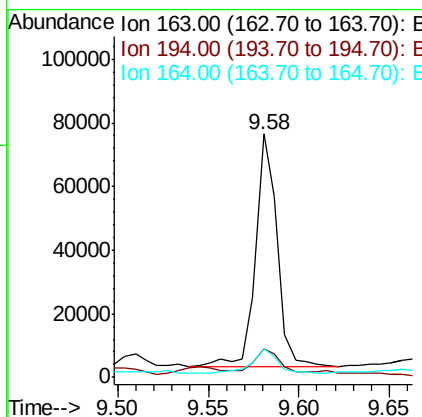
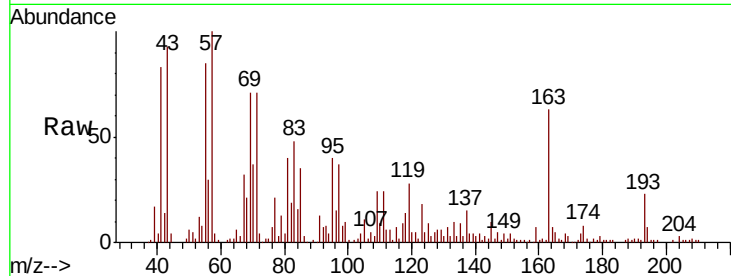
#50
Dimethylphthalate
Concen: 2.158 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Instrument :
BNA_F
ClientSampled :
22-31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	11.7	3.4	5.0#		
164	11.6	7.9	11.9		

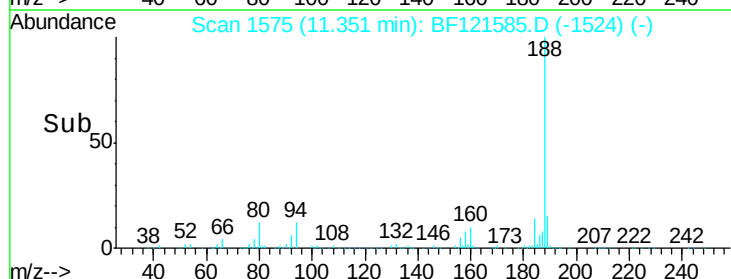
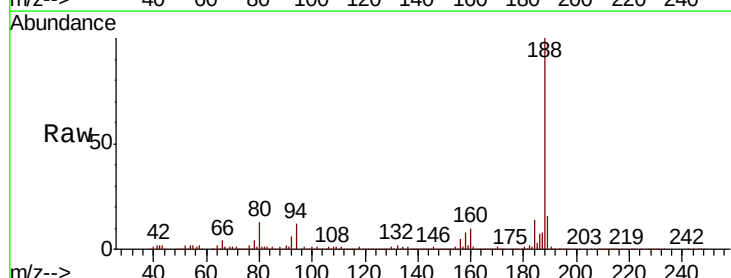
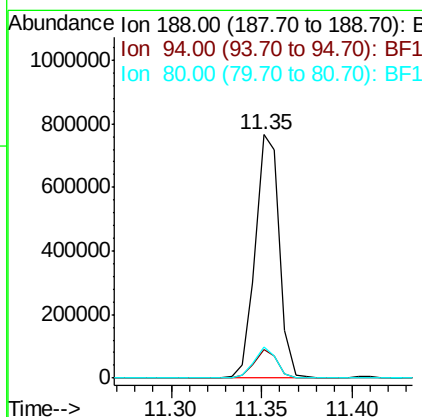
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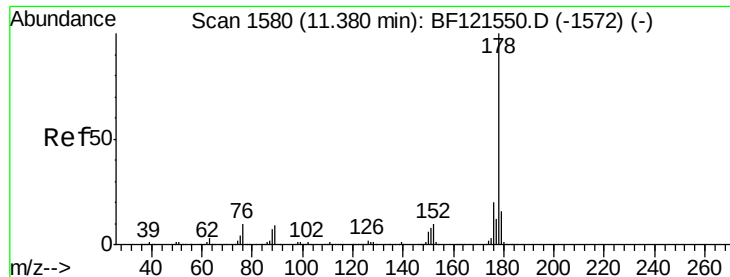
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.8	8.7	13.1		
80	12.5	9.3	13.9		





#71

Phenanthrene

Concen: 2.156 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF121585.D

Acq: 15 Sep 2020 19:03

Instrument :

BNA_F

ClientSampled :

22-31

Tot Ion:178 Resp: 83049

Ion Ratio Lower Upper

178 100

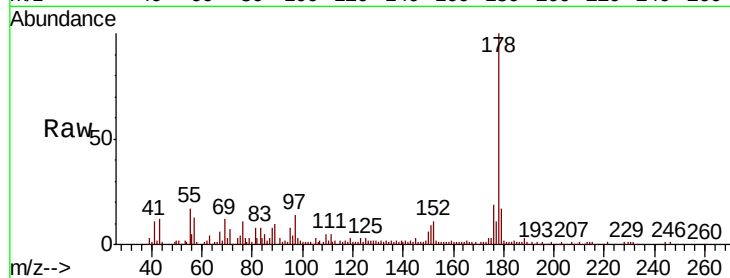
176 19.3 16.2 24.4

179 16.6 12.6 19.0

Manual Integrations
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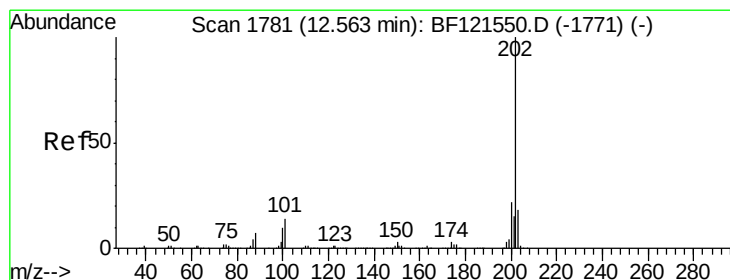
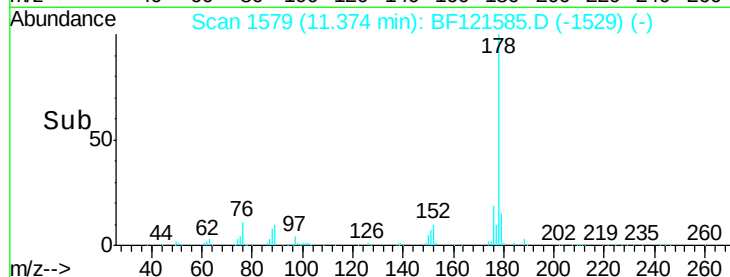
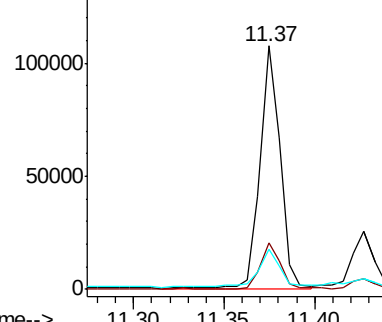
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.545 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF121585.D

Acq: 15 Sep 2020 19:03

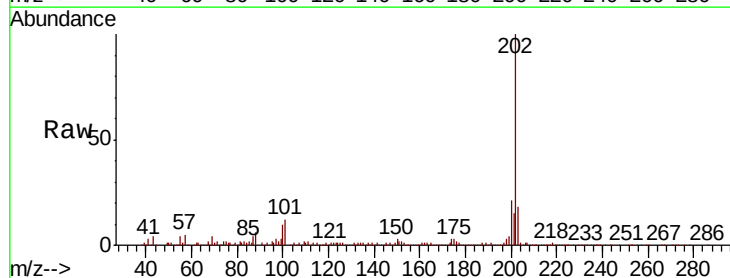
Tgt Ion:202 Resp: 186921

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.0

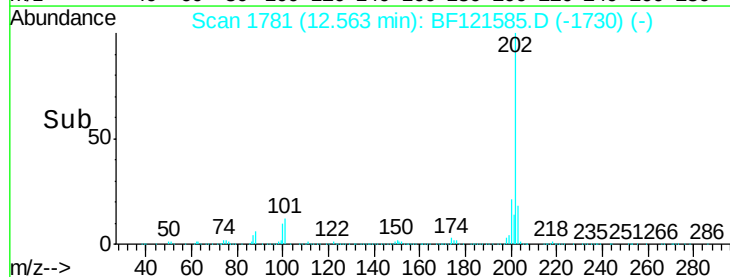
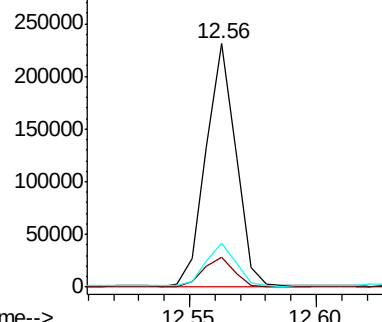
203 17.9 0.0 38.2

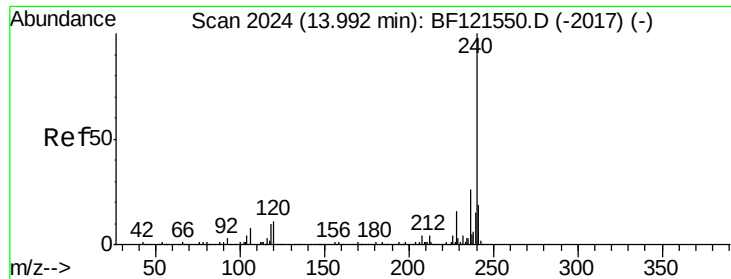


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





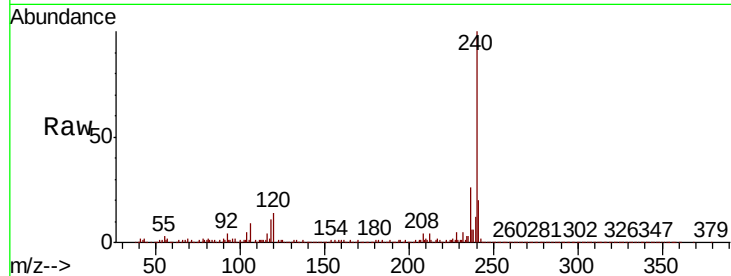
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Instrument :
BNA_F
ClientSampleId :
22-31

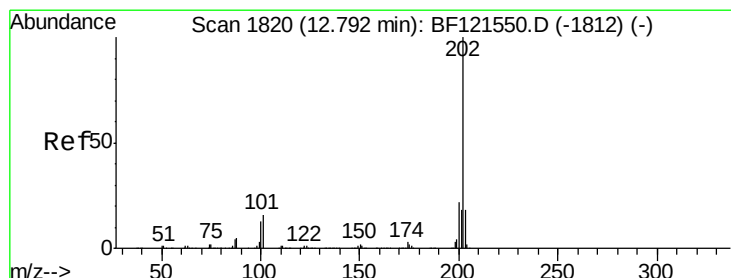
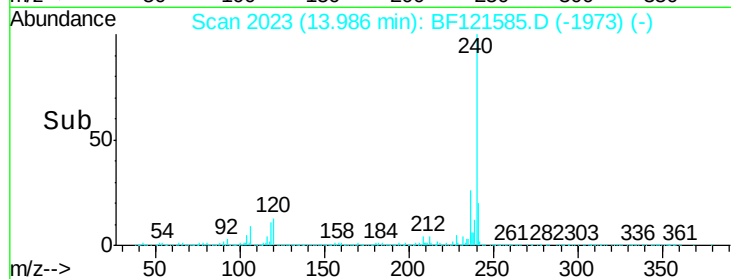
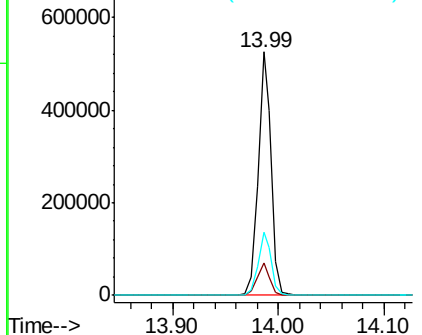
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.5	9.2	13.8	
236	25.8	20.5	30.7	

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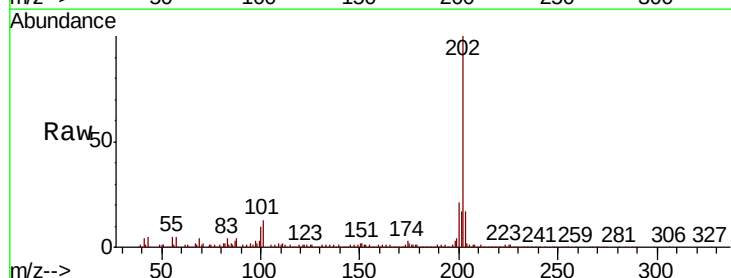


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

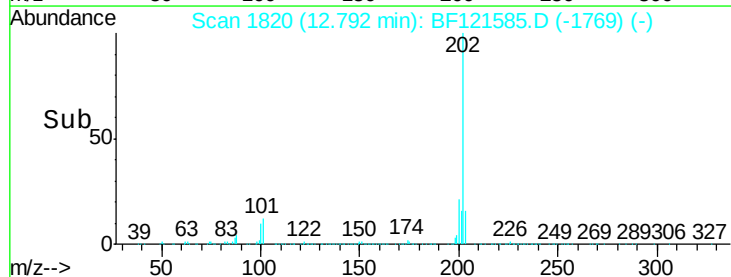
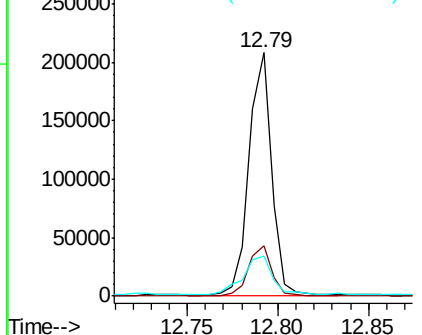


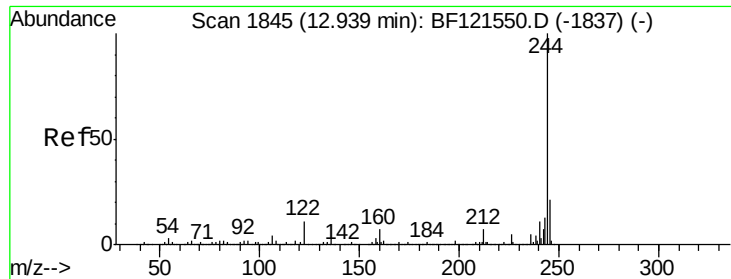
#78
Pyrene
Concen: 5.399 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.6	17.8	26.8	
203	16.7	14.6	22.0	



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: 24.428 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121585.D

Acq: 15 Sep 2020 19:03

Instrument :

BNA_F

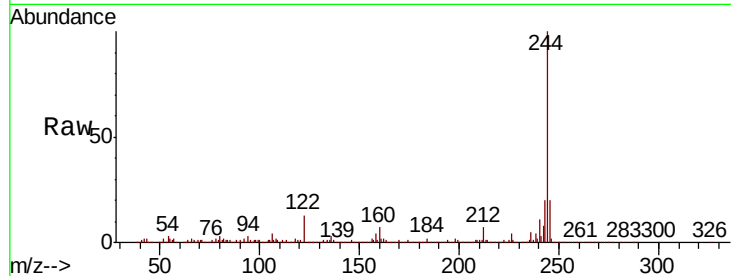
ClientSampleId :

22-31

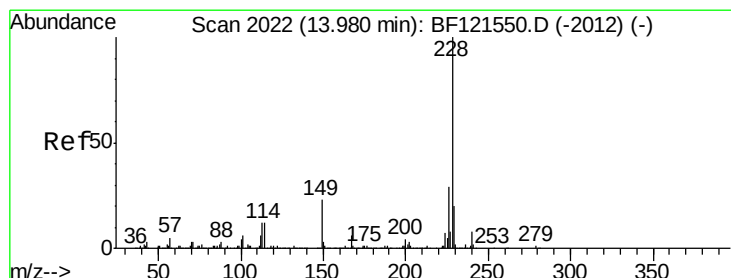
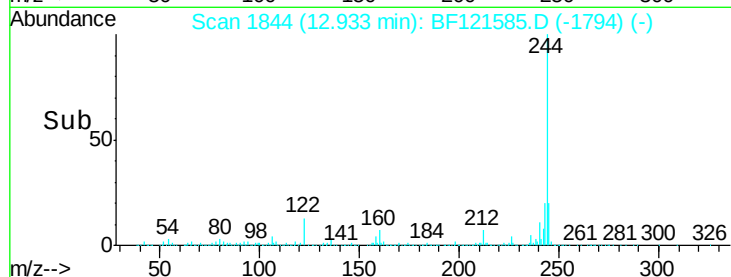
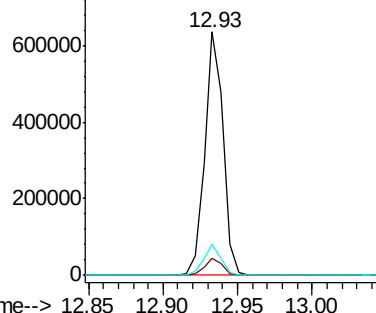
Tot Ion:	244	Resp:	549336
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	12.7	8.7	13.1

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



#81

Benzo(a)anthracene

Concen: 2.810 ng

RT: 13.97 min Scan# 2021

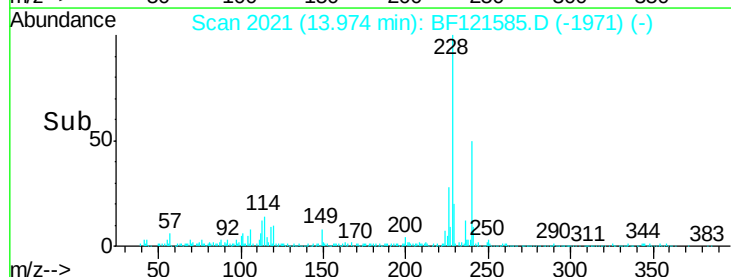
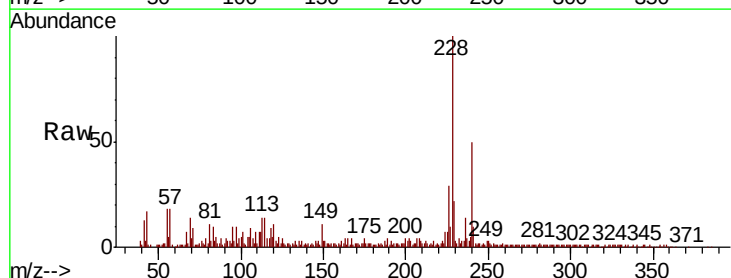
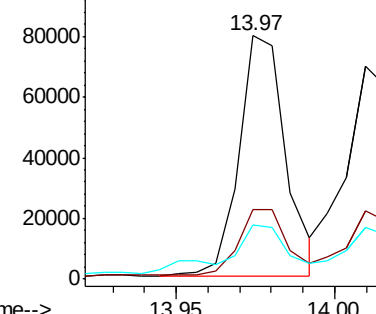
Delta R.T. -0.01 min

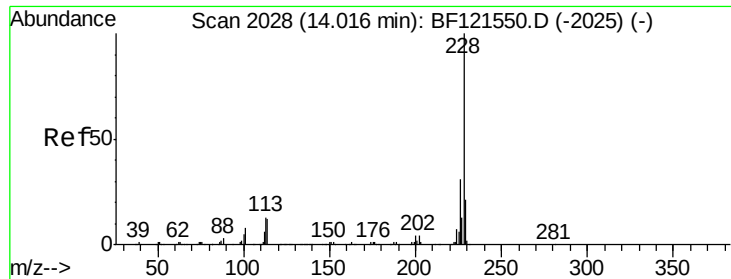
Lab File: BF121585.D

Acq: 15 Sep 2020 19:03

Tgt Ion:	228	Resp:	80988
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.9	34.3
229	22.0	16.3	24.5

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





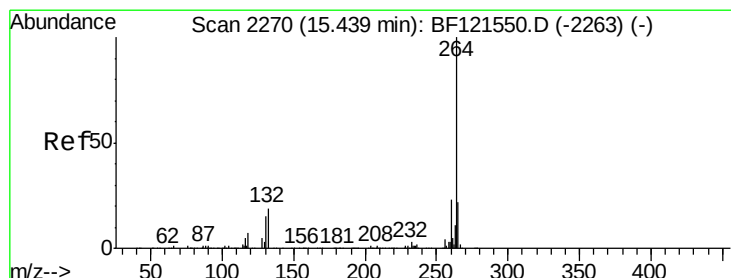
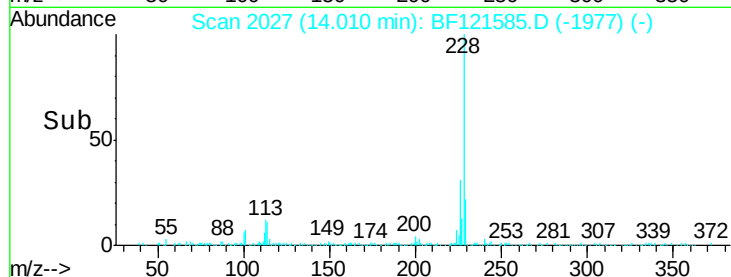
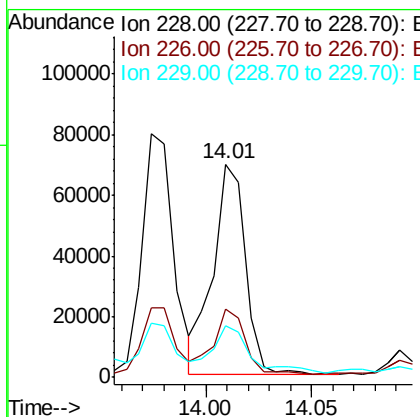
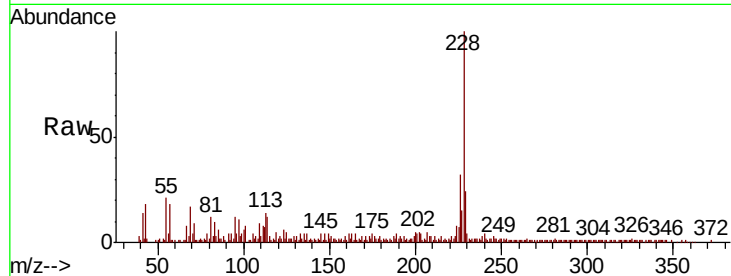
#83
Chrysene
Concen: 2.532 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Instrument :
BNA_F
ClientSampleId :
22-31

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.1	37.7
229	24.3	16.6	25.0

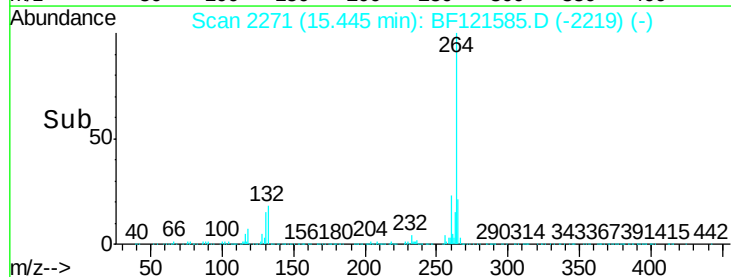
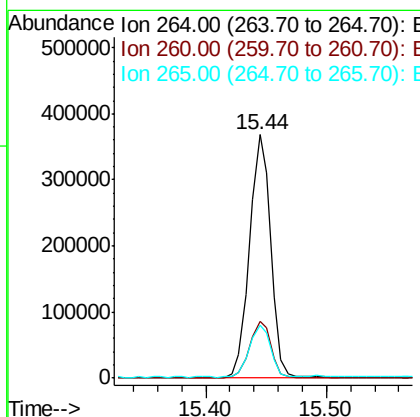
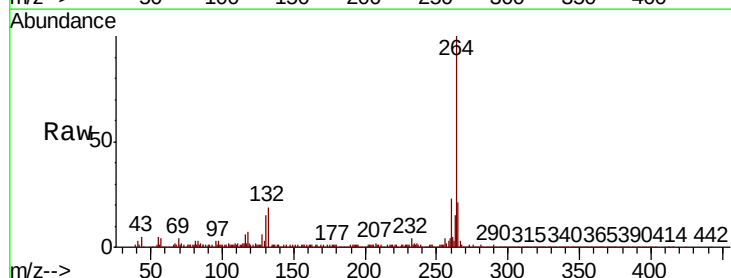
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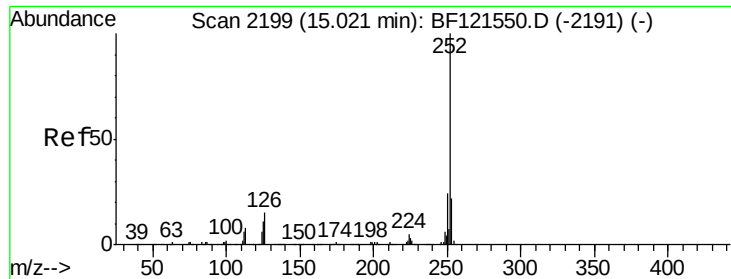
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.5	17.8	26.6





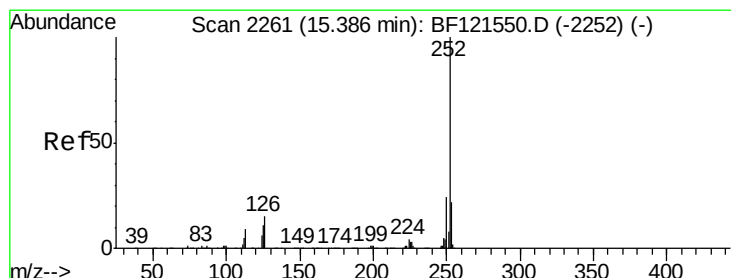
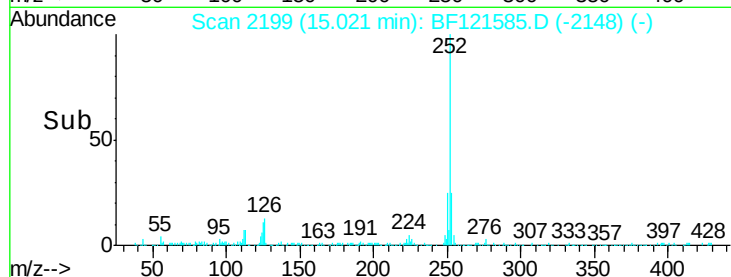
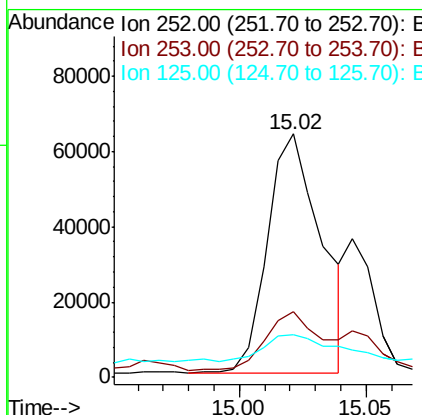
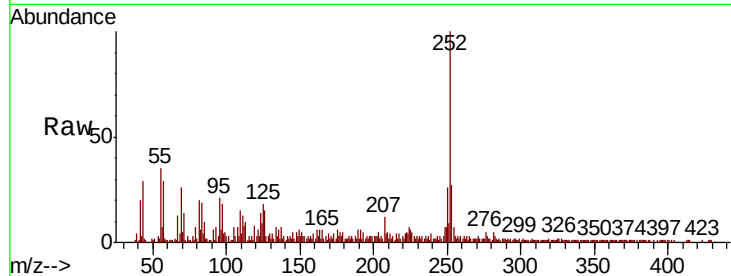
#88
Benzo(b)fluoranthene
Concen: 3.120 ng/mL
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Instrument :
BNA_F
ClientSampled :
22-31

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	17.5	9.2	13.8#

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#90
Benzo(a)pyrene
Concen: 2.459 ng/mL
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF121585.D
Acq: 15 Sep 2020 19:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	19.1	9.0	13.4#

