

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
 Data File : BF121582.D
 Acq On : 15 Sep 2020 17:31
 Operator : JU/CG
 Sample : L4013-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B40-091420-0-10

Manual Integrations
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mohammad
 9/16/2020 10:14:49 AM

Quant Time: Sep 16 01:25:20 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	197542	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	781187	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	409336	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	735623	20.00	ng	0.00
76) Chrysene-d12	13.99	240	480340	20.00	ng	0.00
86) Perylene-d12	15.44	264	442832	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	886587	66.70	ng	0.01
7) Phenol-d6	6.47	99	1120696	64.26	ng	0.00
23) Nitrobenzene-d5	7.39	82	765120	52.59	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	318523	62.61	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1384170	51.21	ng	0.00
79) Terphenyl-d14	12.94	244	1361008	57.40	ng	0.00
Target Compounds						
10) Phenol	6.48	94	59207	3.188	ng	95
50) Dimethylphthalate	9.58	163	155963	5.257	ng	100
71) Phenanthrene	11.37	178	308796	7.705	ng	98
72) Anthracene	11.42	178	83774	2.025	ng	99
75) Fluoranthene	12.56	202	815327	19.056	ng	98
78) Pyrene	12.79	202	744420	21.212	ng	99
81) Benzo(a)anthracene	13.98	228	364153m	11.983	ng	
83) Chrysene	14.02	228	328223	10.666	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	43822	2.311	ng	99
87) Indeno(1,2,3-cd)pyrene	16.89	276	185908	6.446	ng	97
88) Benzo(b)fluoranthene	15.02	252	372126m	12.570	ng	
89) Benzo(k)fluoranthene	15.04	252	128606m	4.744	ng	
90) Benzo(a)pyrene	15.38	252	289122	11.489	ng	95
91) Dibenzo(a,h)anthracene	16.90	278	51032	2.126	ng	# 88
92) Benzo(a,h,i)perylene	17.32	276	168044	7.121	ng	99

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

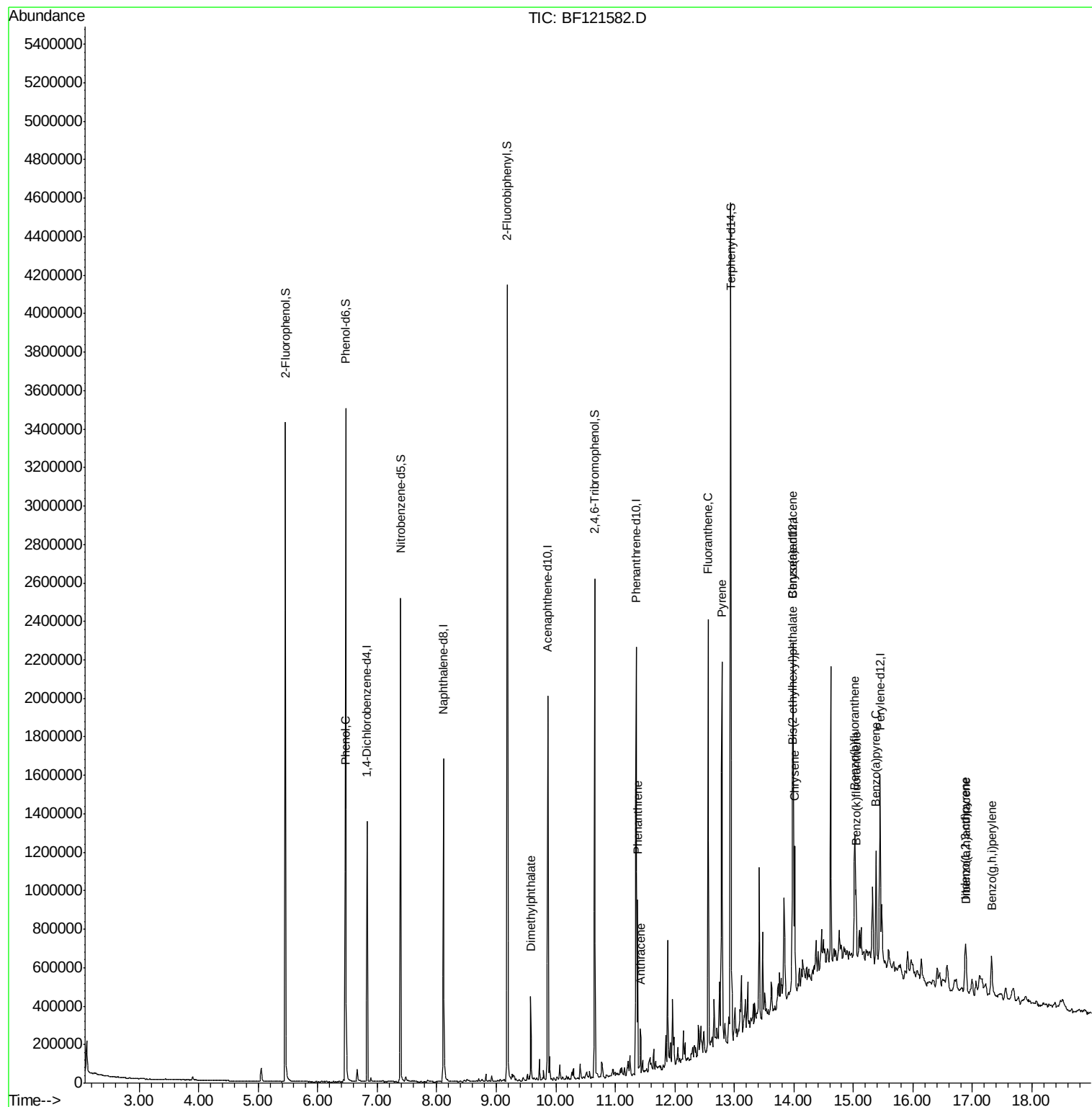
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121582.D
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Operator : JU/CG
Sample : L4013-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

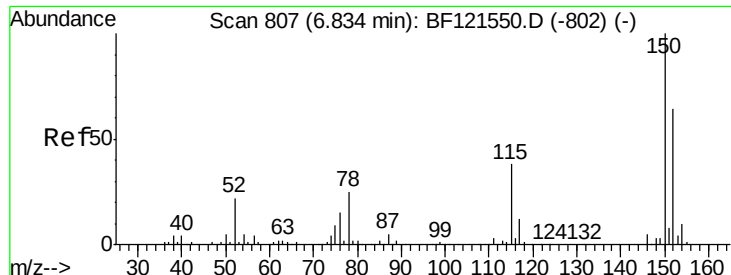
Instrument :
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#1

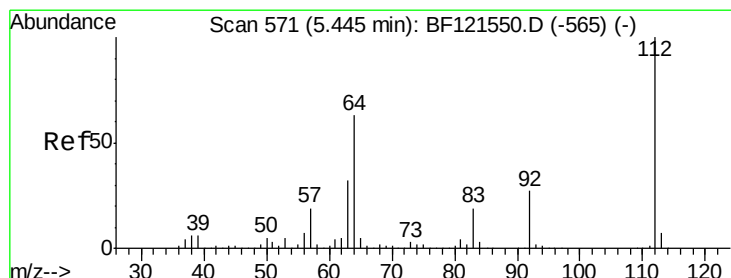
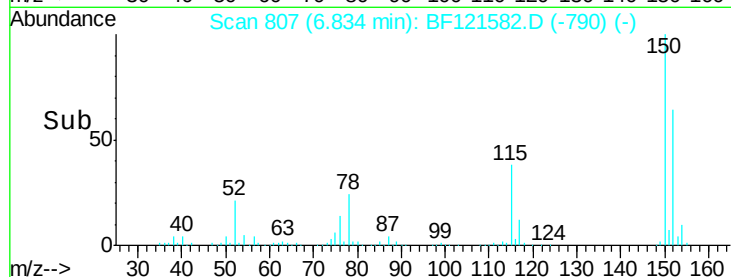
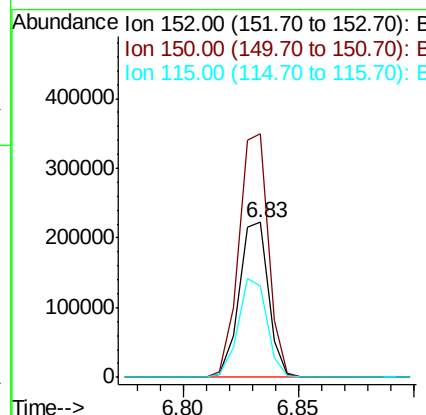
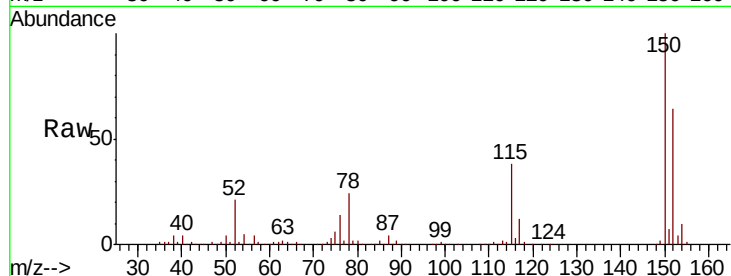
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.8	188.6
115	59.1	47.8	71.8

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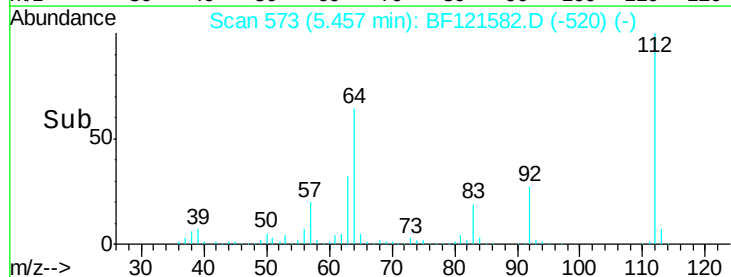
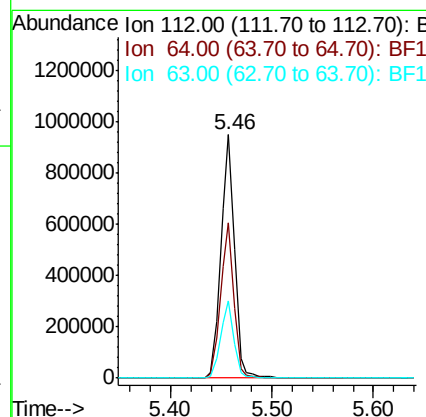
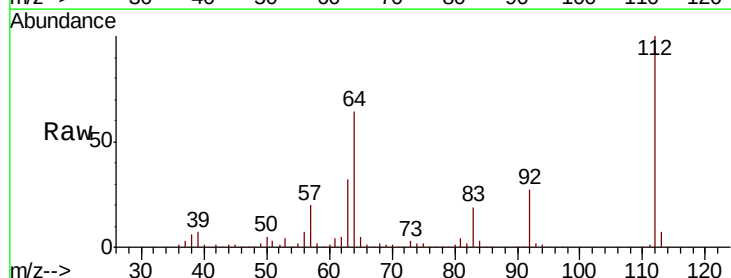
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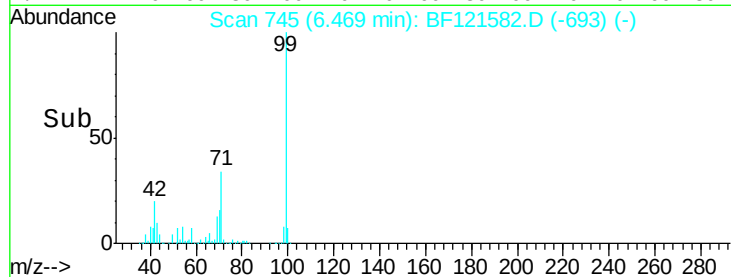
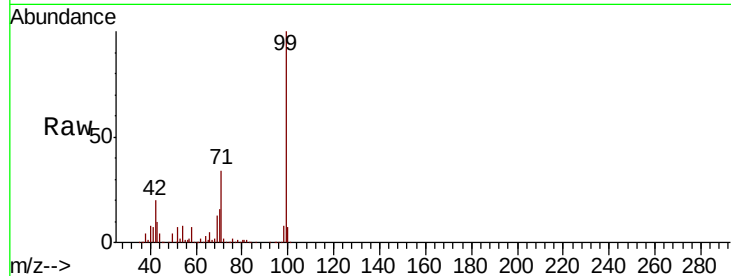
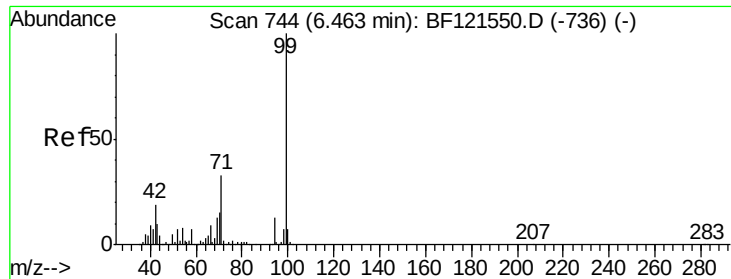


#5

2-Fluorophenol
Concen: 66.699 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	50.3	75.5
63	32.0	25.6	38.4





#7

Phenol-d6

Concen: 64.264 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

Tot Ion:	99	Resp:	1120696
Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.5	23.3
71	33.8	26.1	39.1

Instrument :

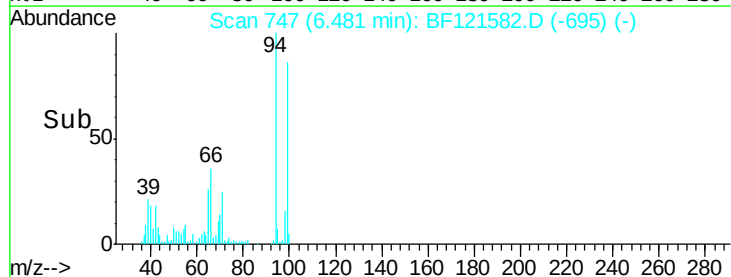
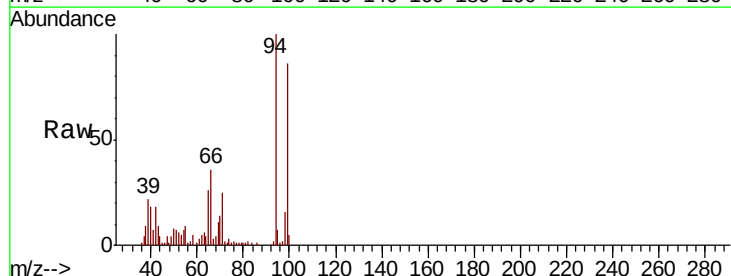
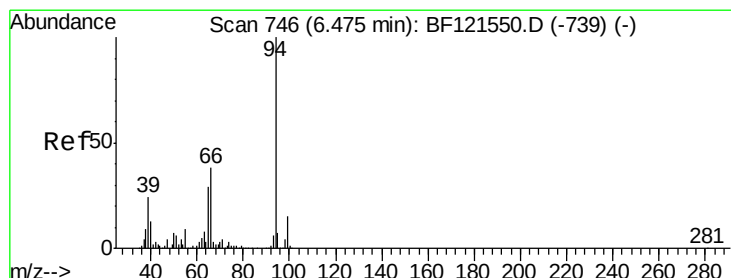
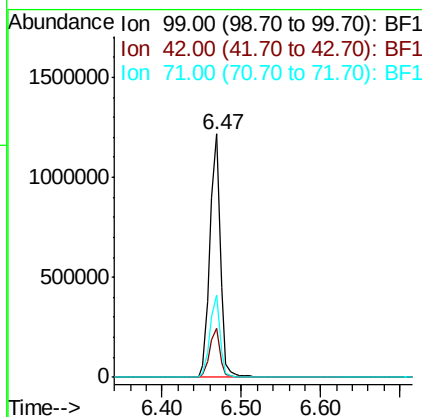
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.188 ng

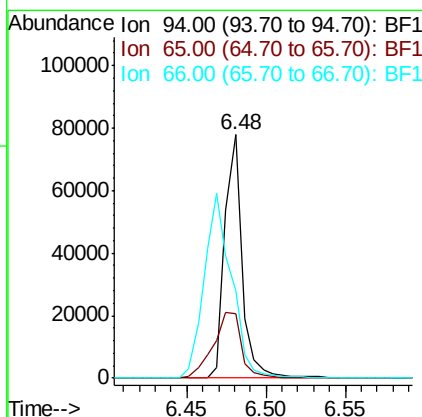
RT: 6.48 min Scan# 747

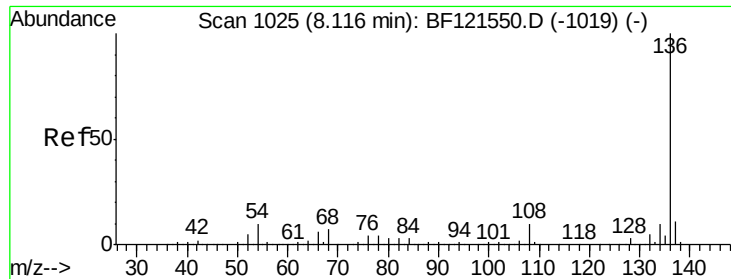
Delta R.T. 0.01 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

Tgt Ion:	94	Resp:	59207
Ion	Ratio	Lower	Upper
94	100		
65	26.3	9.4	49.4
66	35.9	18.3	58.3





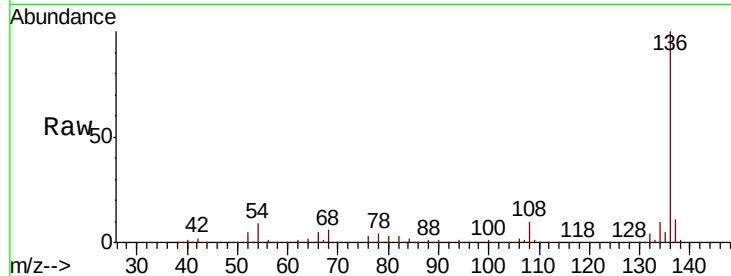
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

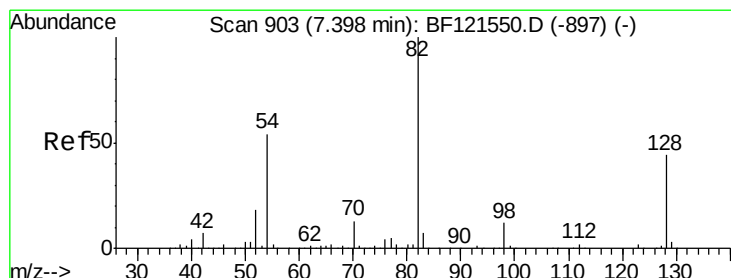
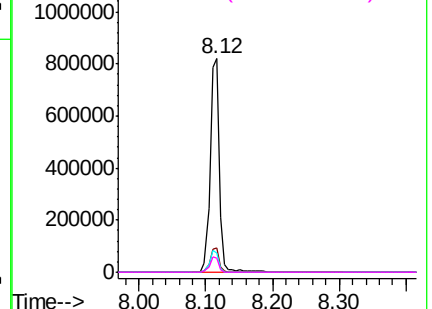
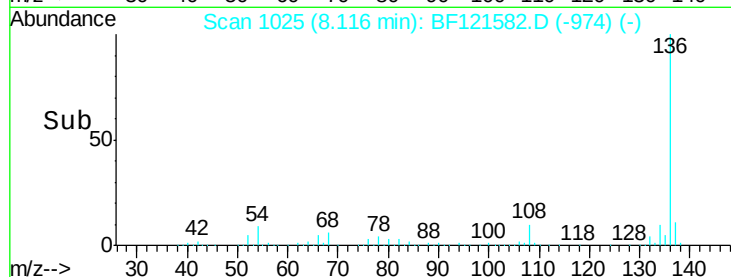
Tot Ion	Ratio	Resp	Lower	Upper
136	100	781187		
137	11.2		9.0	13.6
54	9.0		7.6	11.4
68	6.4		5.7	8.5

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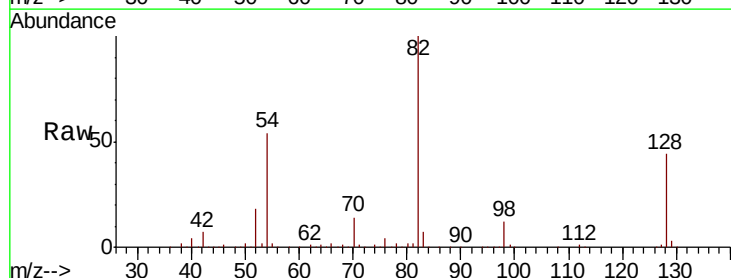


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

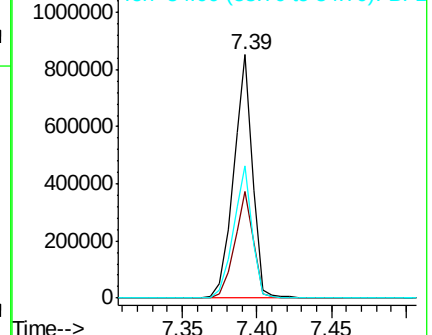
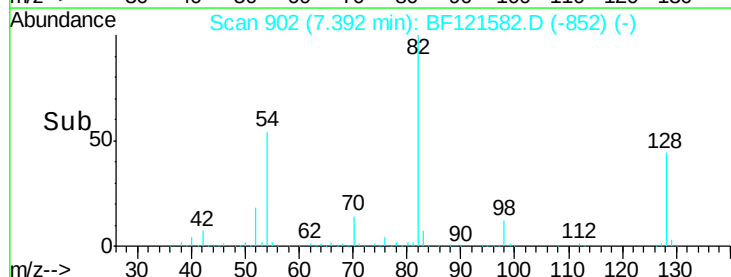


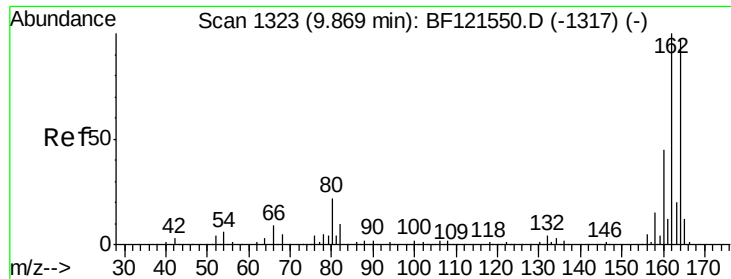
#23
Nitrobenzene-d5
Concen: 52.588 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	765120		
128	43.7		35.1	52.7
54	54.3		43.0	64.6



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





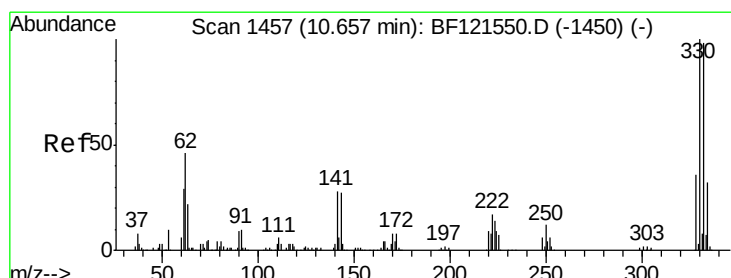
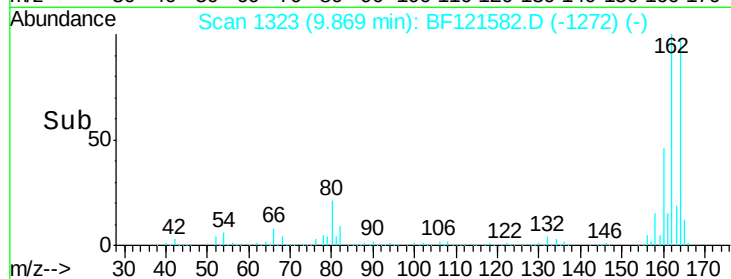
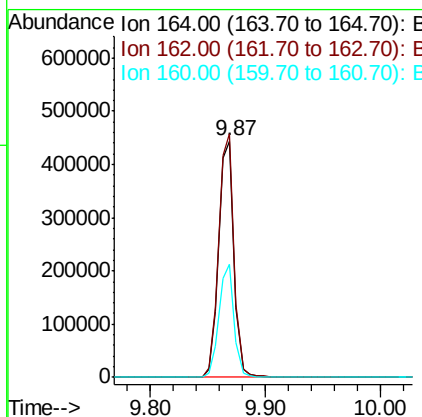
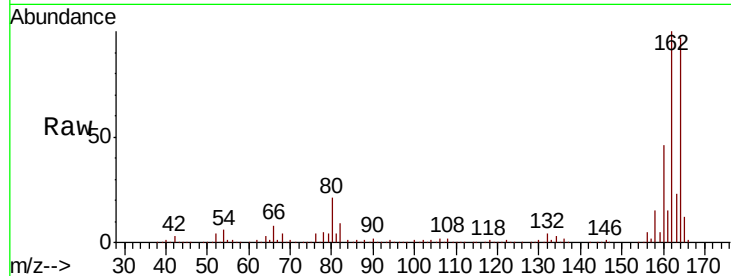
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.3	123.5
160	47.6	37.0	55.4

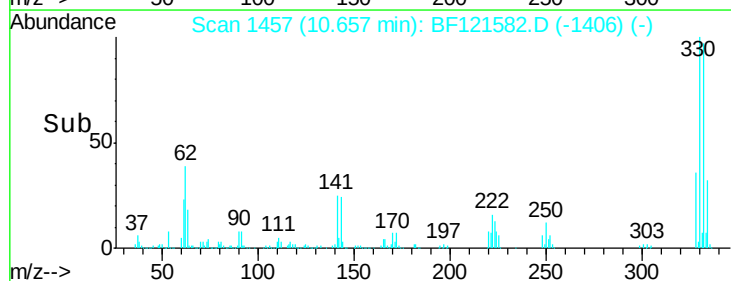
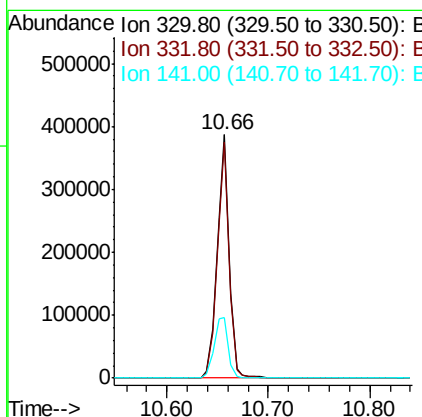
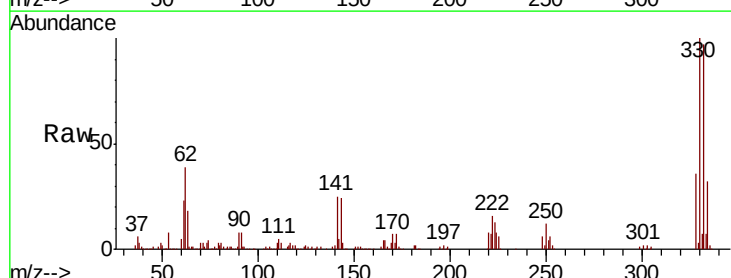
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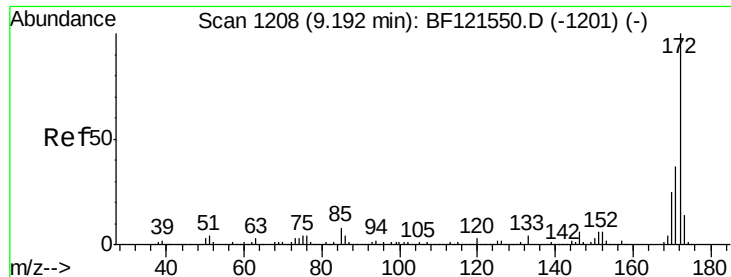
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#42
2,4,6-Tribromophenol
Concen: 62.609 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	29.9	23.6	35.4





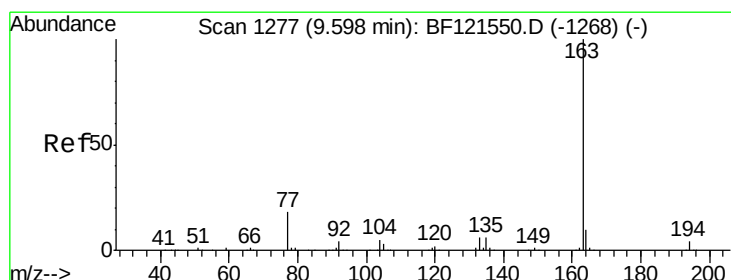
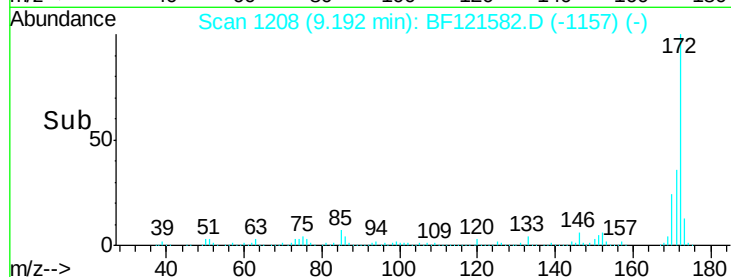
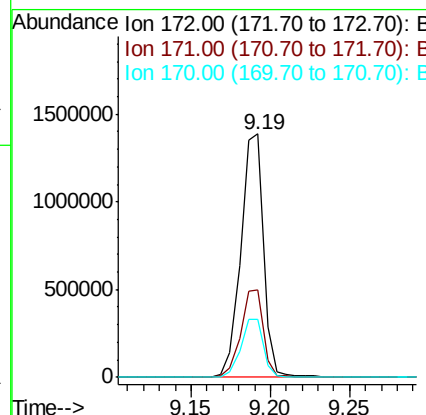
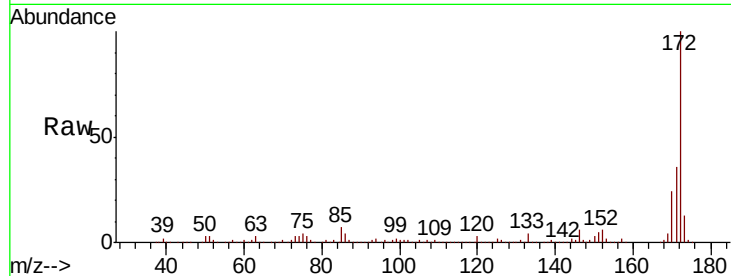
#45
2-Fluorobiphenyl
Concen: 51.214 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.8	44.6
170	23.9	19.8	29.8

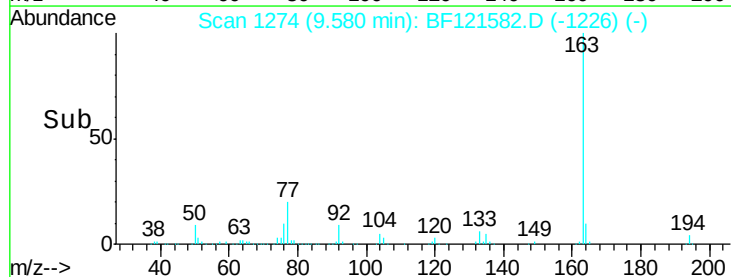
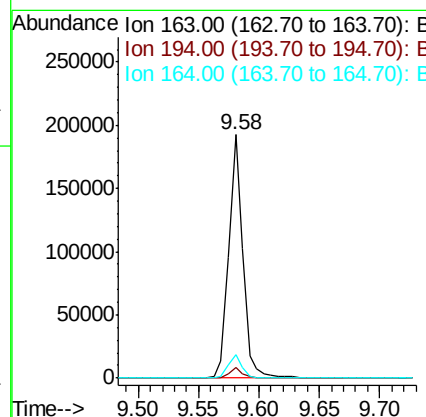
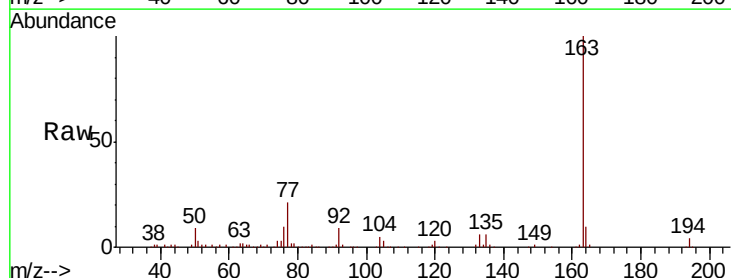
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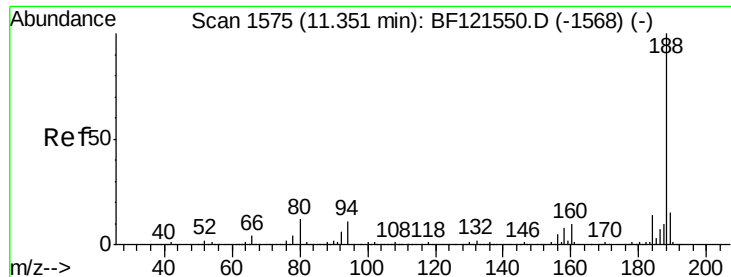
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#50
Dimethylphthalate
Concen: 5.257 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.8	7.9	11.9





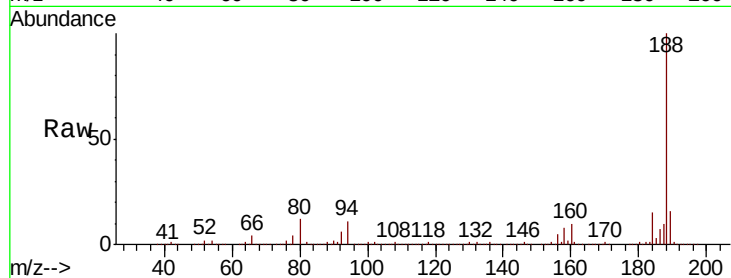
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

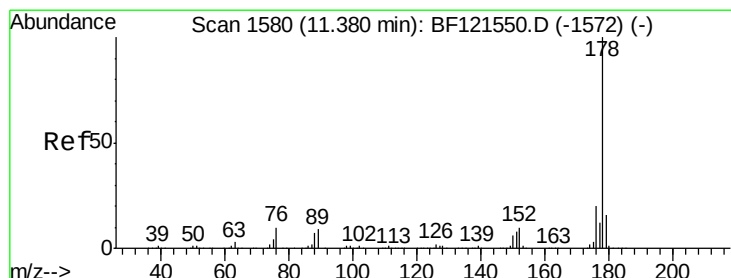
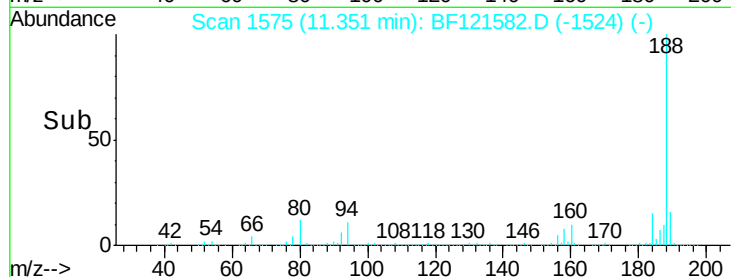
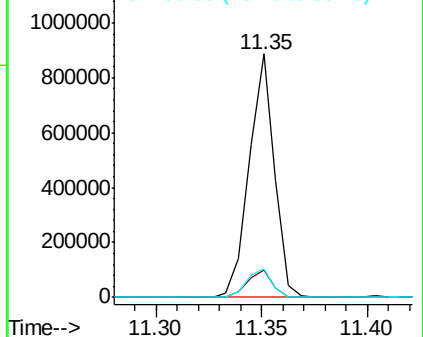
Tot Ion	Ratio	Resp	Lower	Upper
188	100	735623		
94	11.0		8.7	13.1
80	11.8		9.3	13.9

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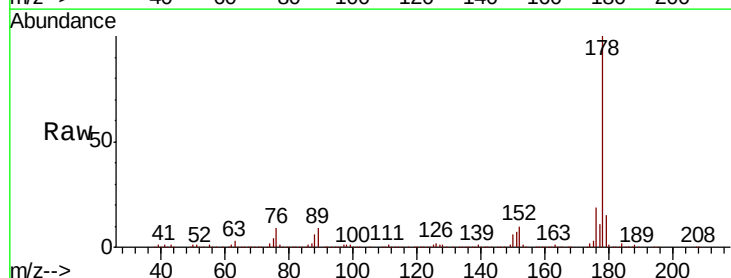


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

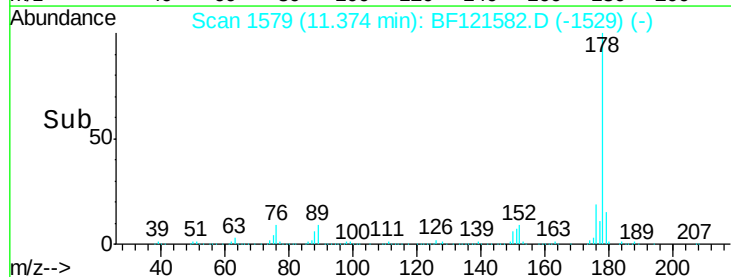
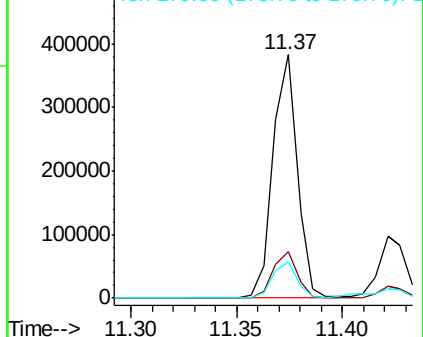


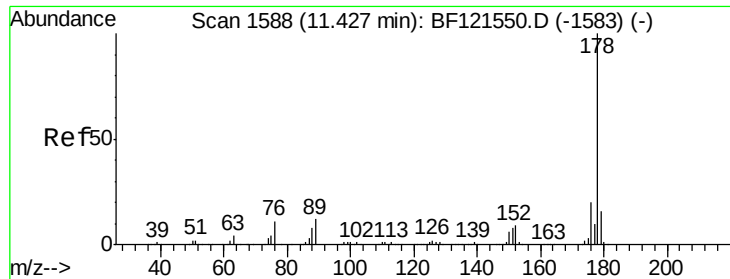
#71
Phenanthrene
Concen: 7.705 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	308796		
176	18.9		16.2	24.4
179	15.0		12.6	19.0



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





#72

Anthracene

Concen: 2.025 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

Instrument :

BNA_F

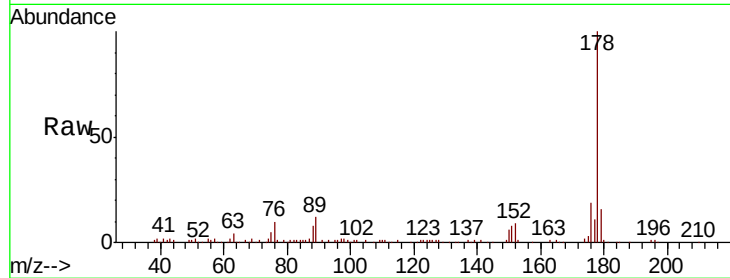
ClientSampleId :

PAV-B40-091420-0-10

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.0	15.7	23.5	
179	15.8	12.8	19.2	

Manual Integrations
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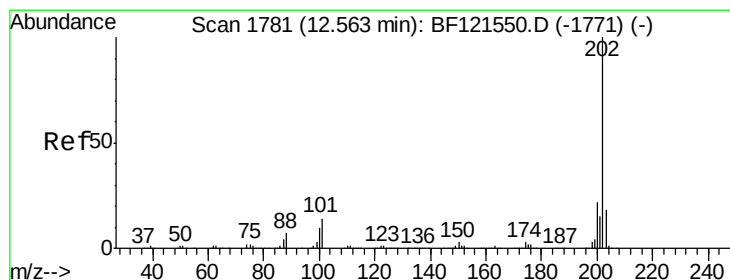
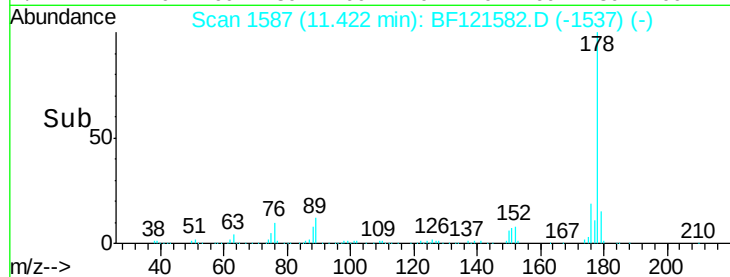
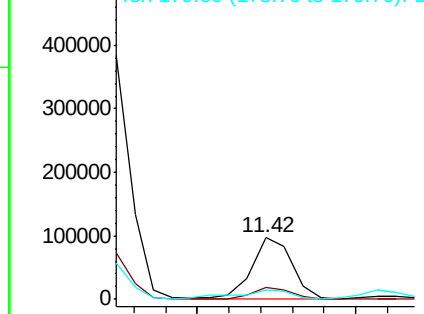


Abundance

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: 19.056 ng

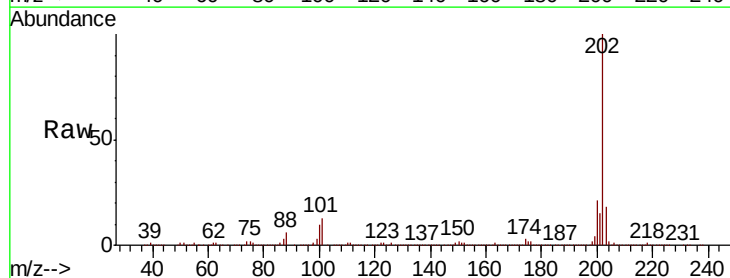
RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	12.8	0.0	34.0	
203	17.6	0.0	38.2	

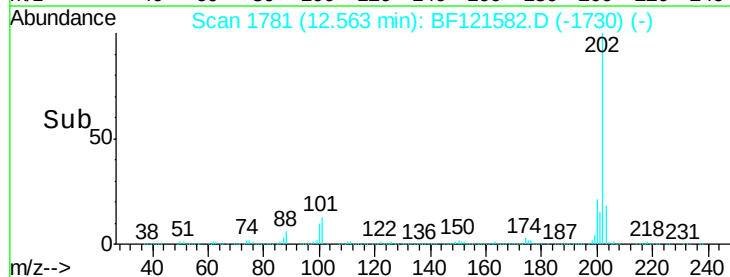
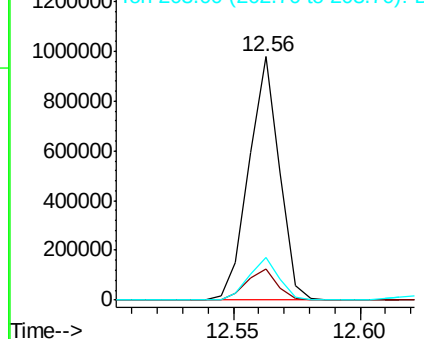


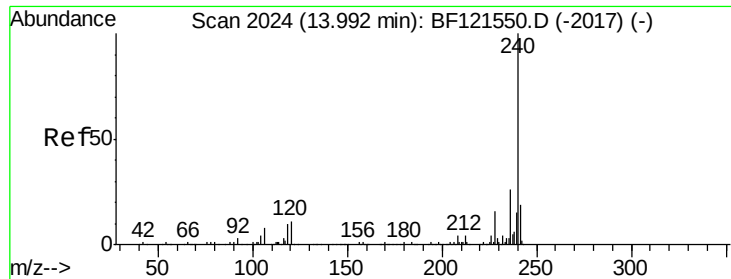
Abundance

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: BF121582.D

Acq: 15 Sep 2020 17:31

Instrument :

BNA_F

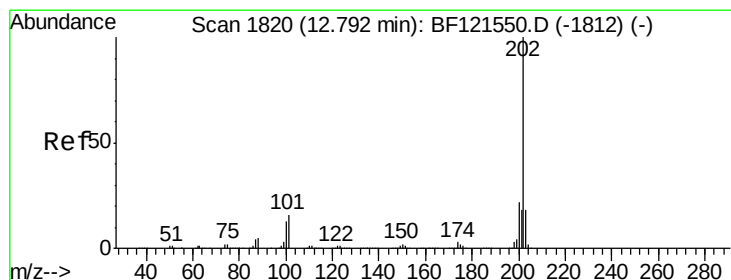
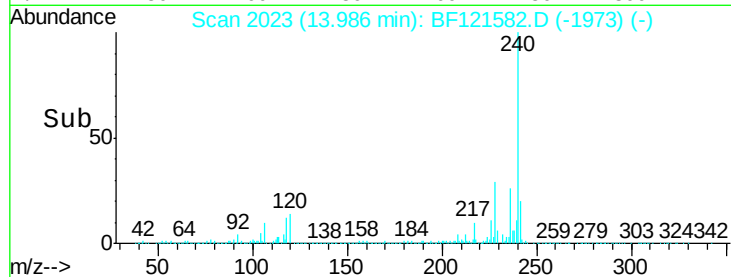
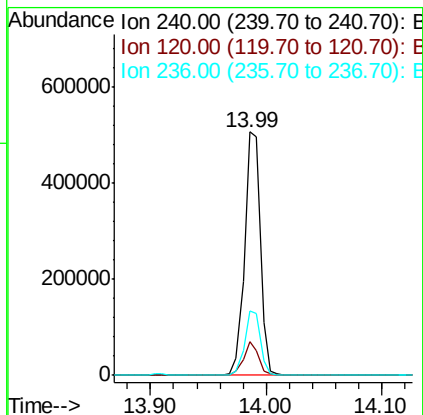
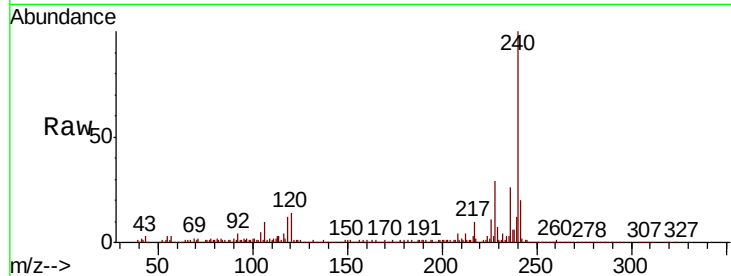
ClientSampleId :

PAV-B40-091420-0-10

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.2	13.8
236	26.4	20.5	30.7

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#78

Pyrene

Concen: 21.212 ng

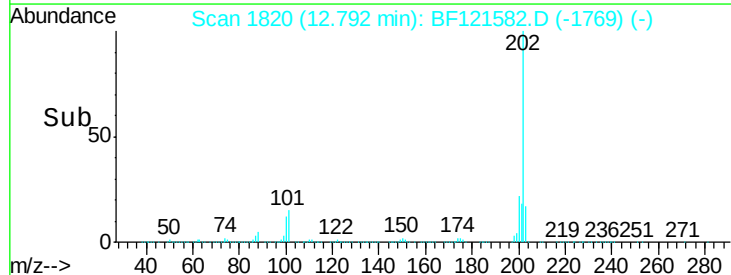
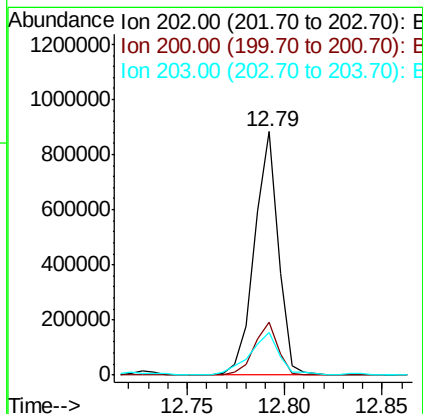
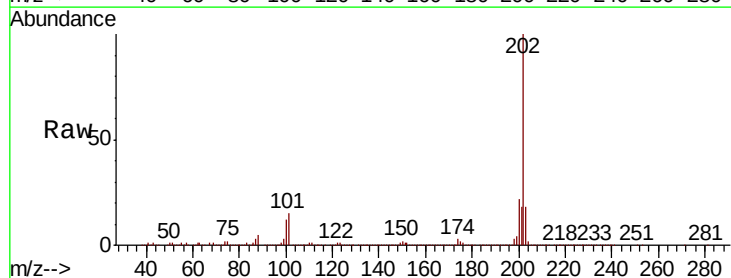
RT: 12.79 min Scan# 1820

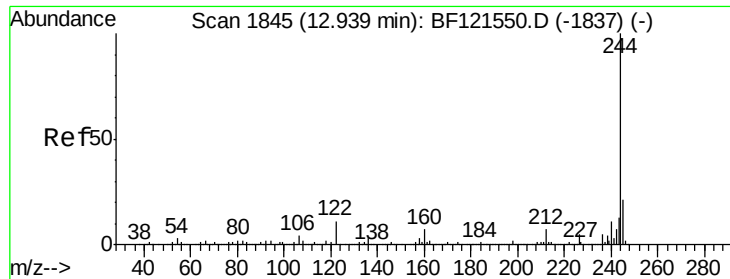
Delta R.T. -0.00 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.8
203	17.7	14.6	22.0





#79

Terphenyl-d14

Concen: 57.402 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

Instrument :

BNA_F

ClientSampleId :

PAV-B40-091420-0-10

Tot Ion:244 Resp: 1361008

Ion Ratio Lower Upper

244 100

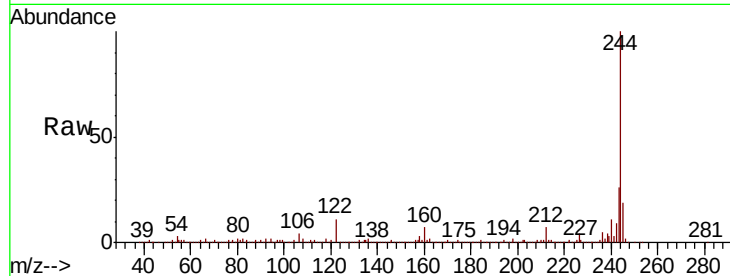
212 7.0 5.7 8.5

122 10.6 8.7 13.1

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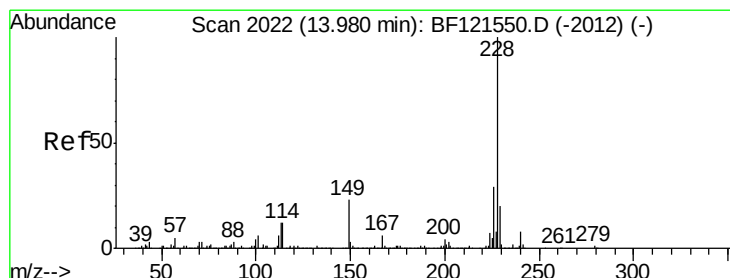
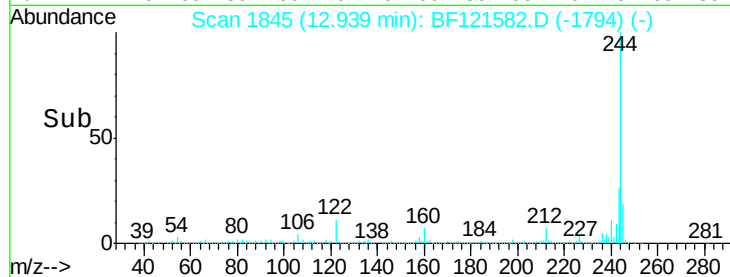
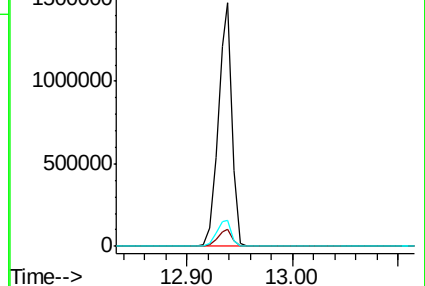
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 11.983 ng m

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF121582.D

Acq: 15 Sep 2020 17:31

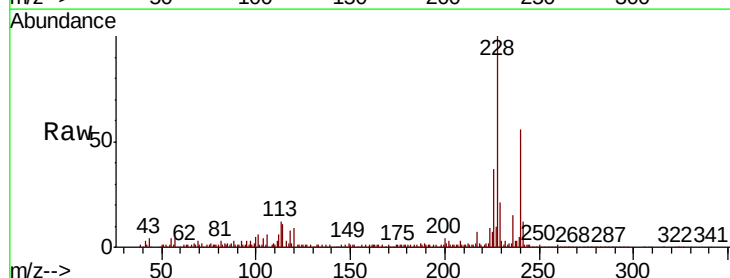
Tgt Ion:228 Resp: 364153

Ion Ratio Lower Upper

228 100

226 36.9 22.9 34.3#

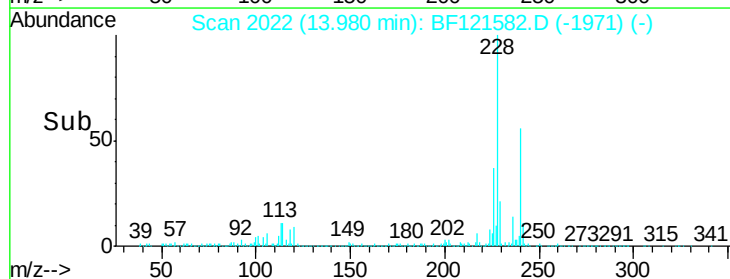
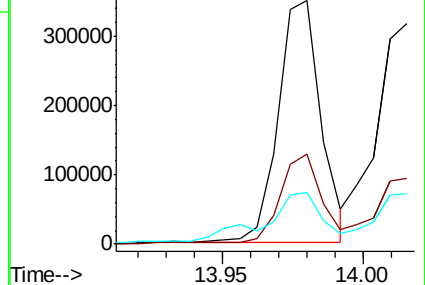
229 21.3 16.3 24.5

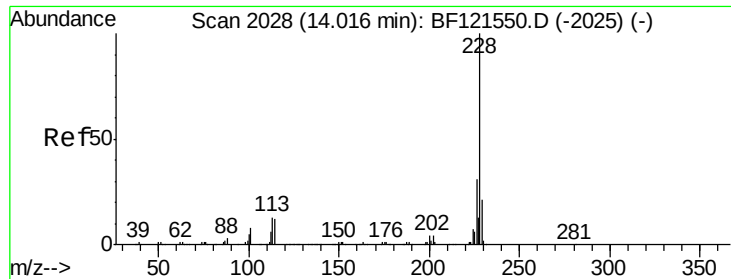


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





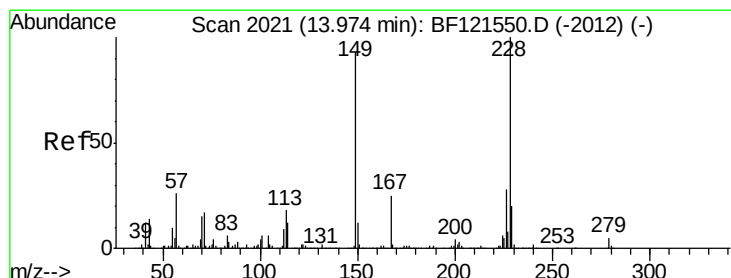
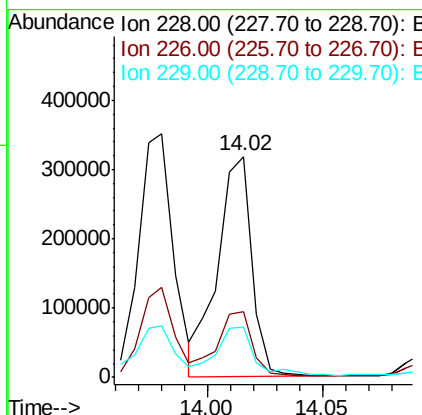
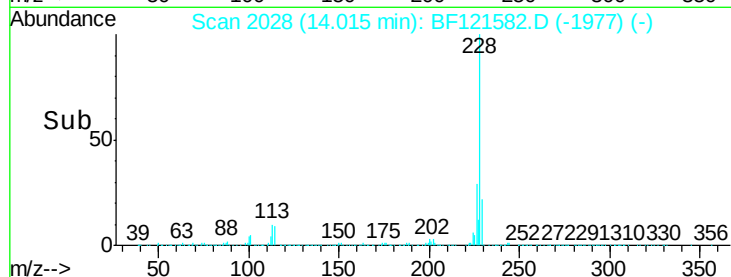
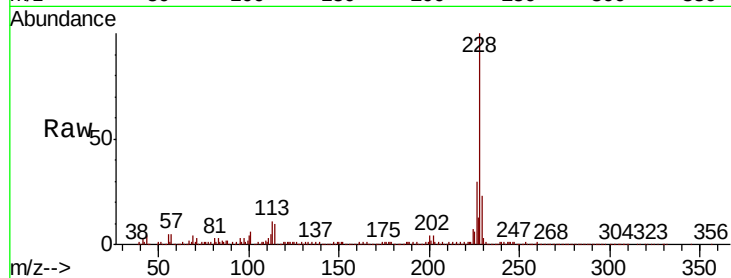
#83
Chrysene
Concen: 10.666 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.1	37.7
229	22.8	16.6	25.0

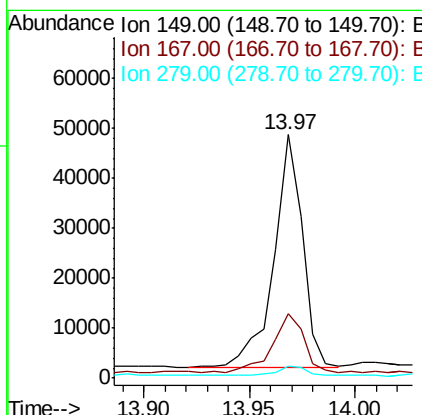
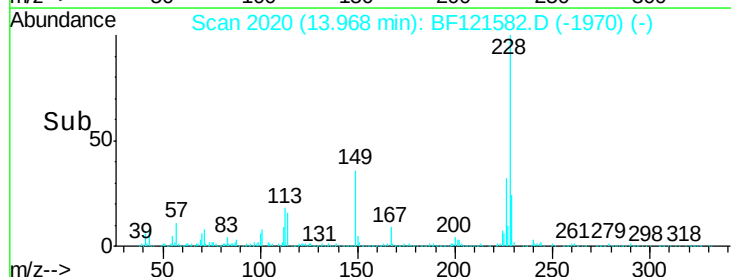
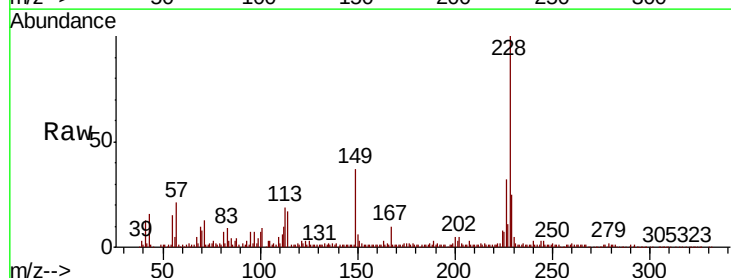
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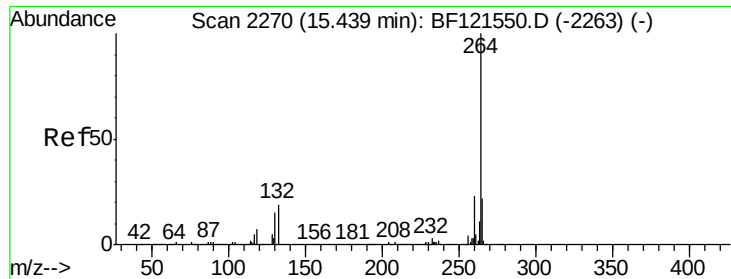
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.311 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.6	32.4
279	4.6	4.1	6.1





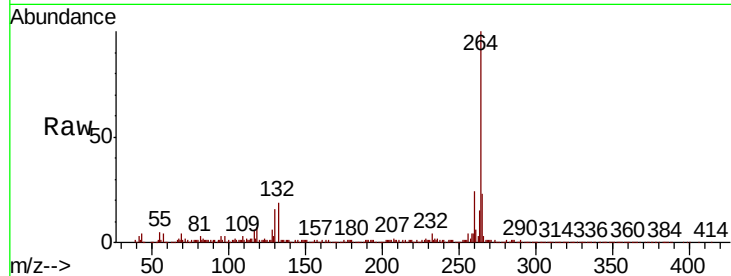
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

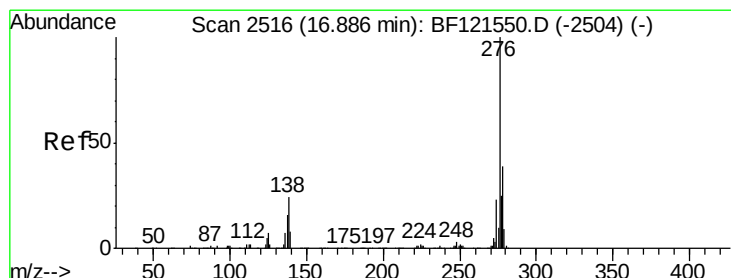
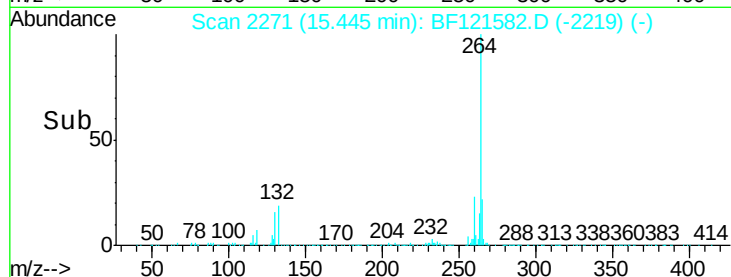
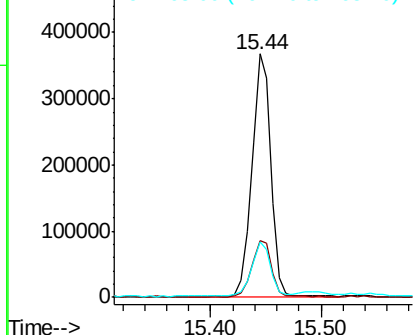
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.5	17.8	26.6

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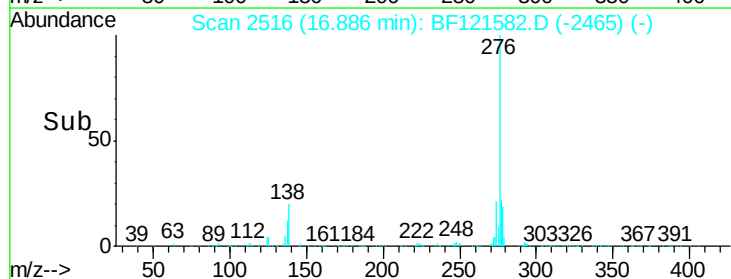
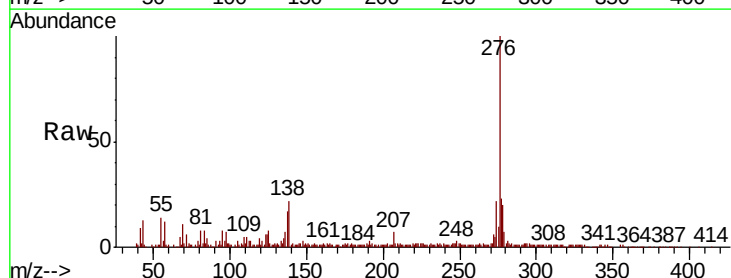
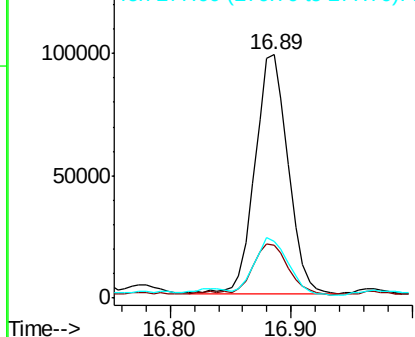
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

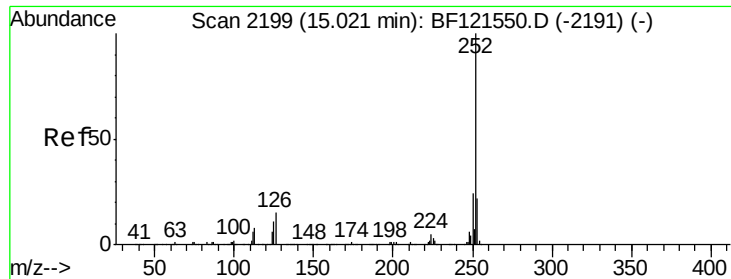


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.446 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.6	31.0
277	24.8	20.2	30.4

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





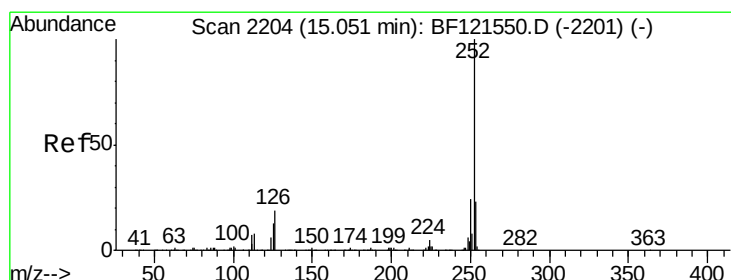
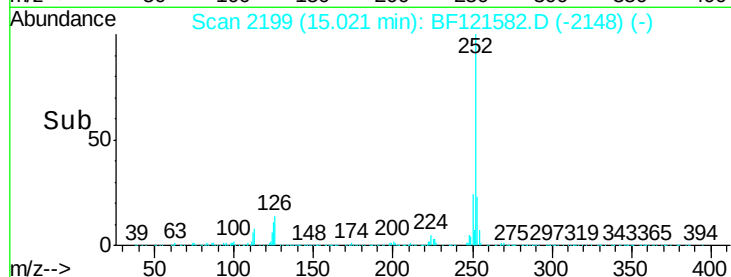
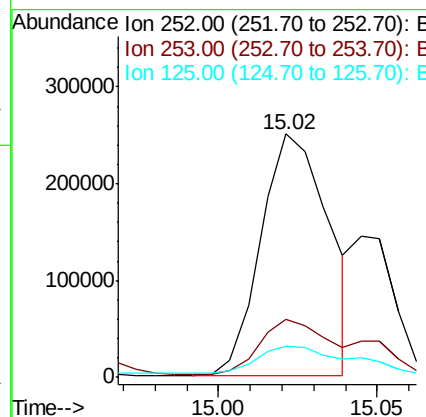
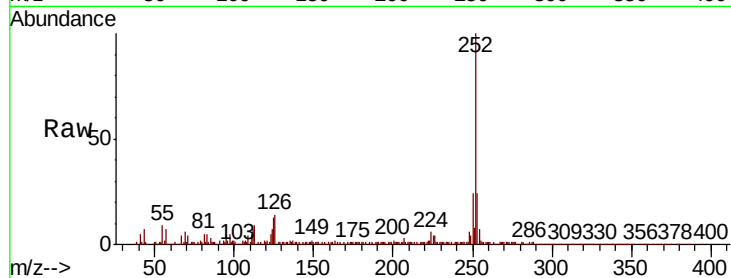
#88
Benzo(b)fluoranthene
Concen: 12.570 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.8	9.2	13.8

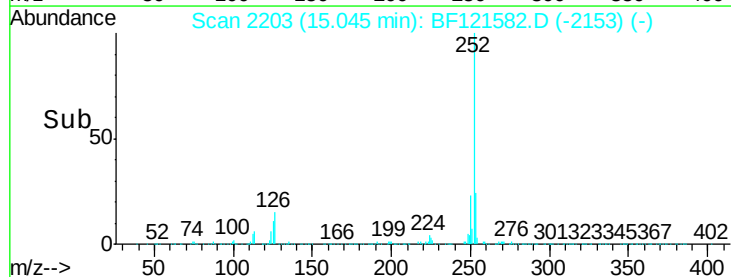
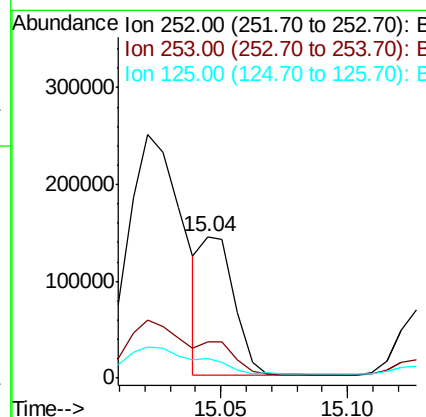
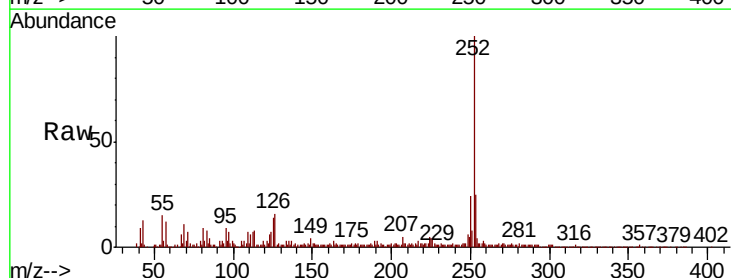
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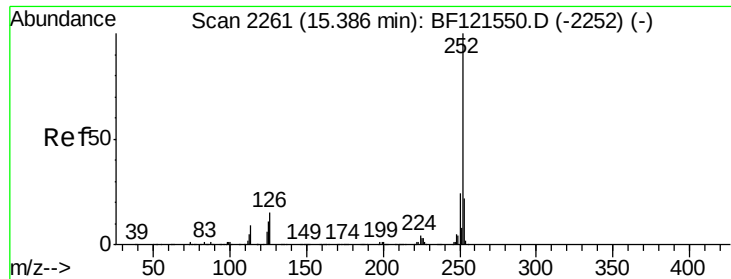
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.744 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	13.8	9.8	14.6





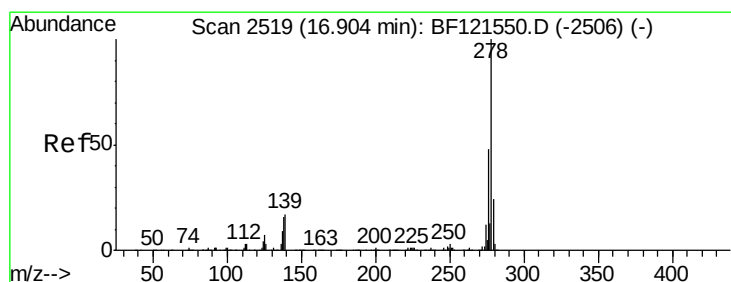
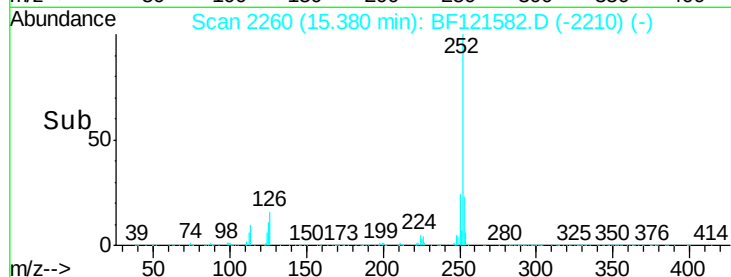
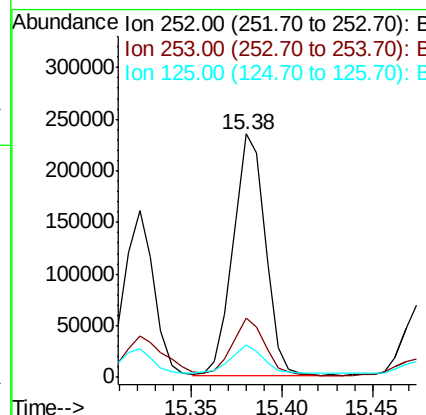
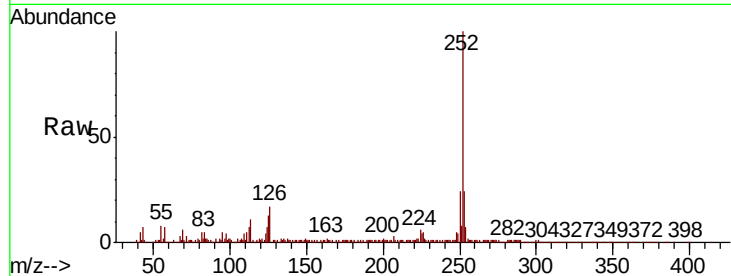
#90
Benzo(a)pyrene
Concen: 11.489 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Instrument :
BNA_F
ClientSampleId :
PAV-B40-091420-0-10

Tot Ion	Ratio	Resp	Lower	Upper
252	100	289122		
253	24.5		17.5	26.3
125	13.3		9.0	13.4

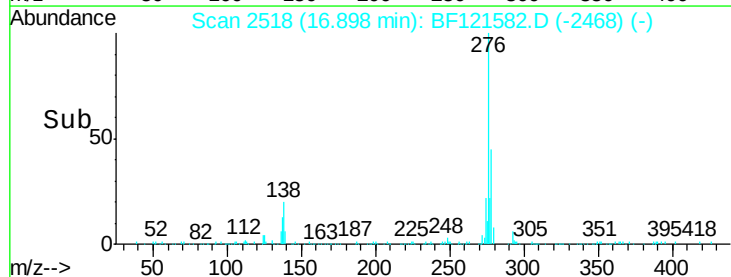
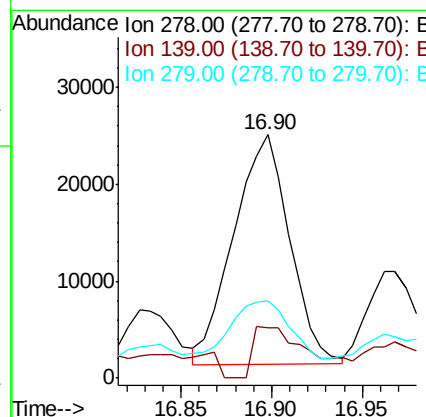
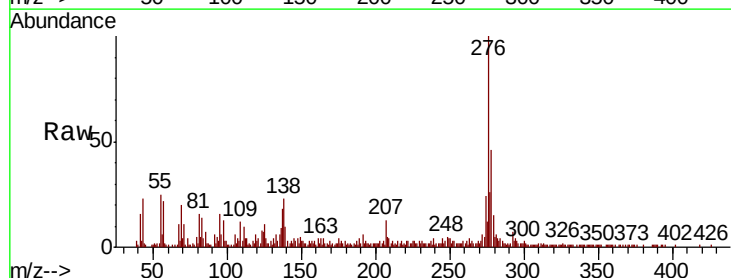
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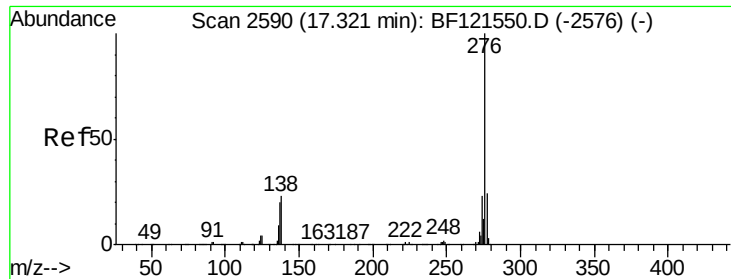
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.126 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF121582.D
Acq: 15 Sep 2020 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	51032		
139	20.9		13.9	20.9
279	31.5		19.2	28.8#





#92
 Benzo(a,h,i)perylene
 Concen: 7.121 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.00 min
 Lab File: BF121582.D
 Acq: 15 Sep 2020 17:31

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B40-091420-0-10

Tot Ion:	276	Resp:	168044
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.4	29.0
138	23.9	18.7	28.1

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 9/16/2020 10:14:49 AM

