

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121859.D
 Acq On : 6 Oct 2020 18:32
 Operator : JU/CG
 Sample : L4231-02 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 337

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:41:05 AM

Quant Time: Oct 07 09:07:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	124140	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	470726	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	210397	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	306327	20.00	ng	0.00
76) Chrysene-d12	13.93	240	227329	20.00	ng	0.00
86) Perylene-d12	15.39	264	217799	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	130348	15.60	ng	0.00
7) Phenol-d6	6.40	99	171762	15.67	ng	-0.01
23) Nitrobenzene-d5	7.32	82	108178	12.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	30405	11.63	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	199946	14.39	ng	-0.01
79) Terphenyl-d14	12.86	244	140816	12.55	ng	-0.02
Target Compounds						
75) Fluoranthene	12.50	202	43439	2.438	ng	97
78) Pyrene	12.73	202	51445	3.097	ng	98
83) Chrysene	13.95	228	41860	2.874	ng	# 96
84) Bis(2-ethylhexyl)phthalate	13.91	149	62755	6.993	ng	# 87
88) Benzo(b)fluoranthene	14.97	252	41804m	2.871	ng	

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

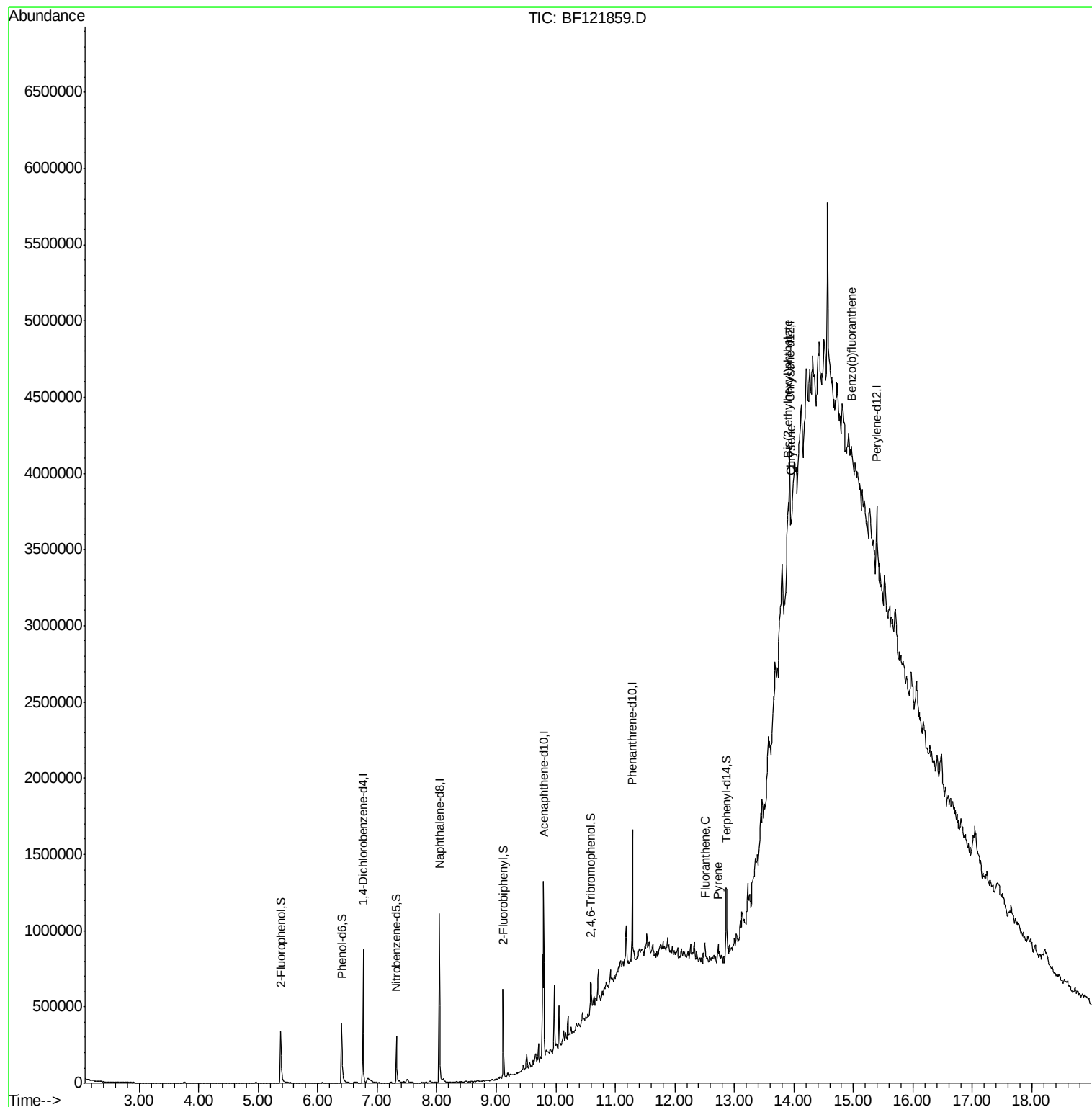
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121859.D
Acq On : 6 Oct 2020 18:32
Operator : JU/CG
Sample : L4231-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

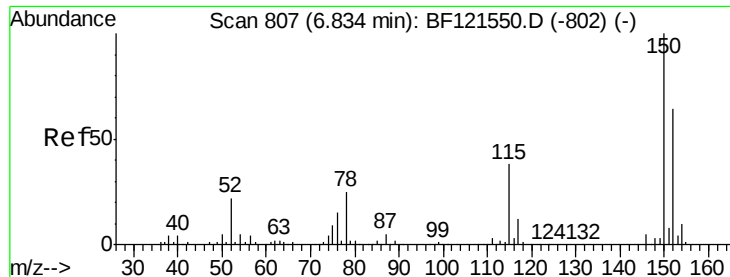
Instrument :
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337

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#1

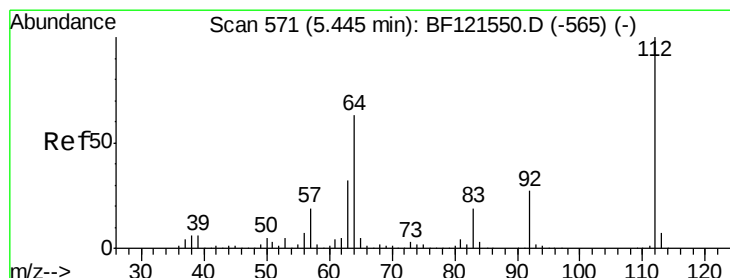
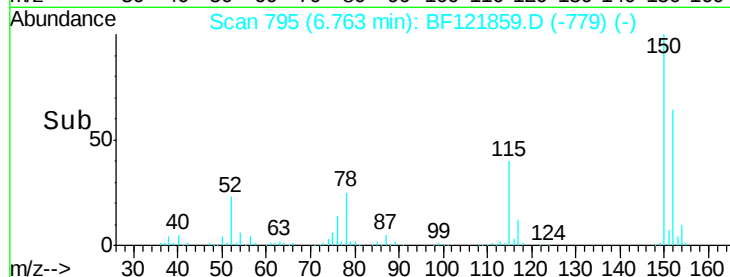
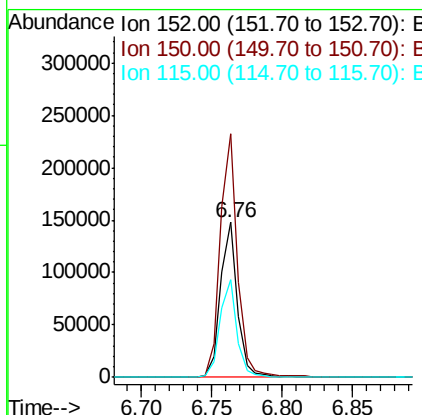
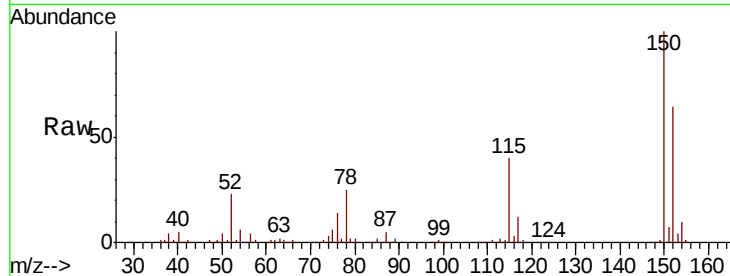
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Instrument :
BNA_F
ClientSampleId :
337

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.3	187.9
115	63.0	51.9	77.9

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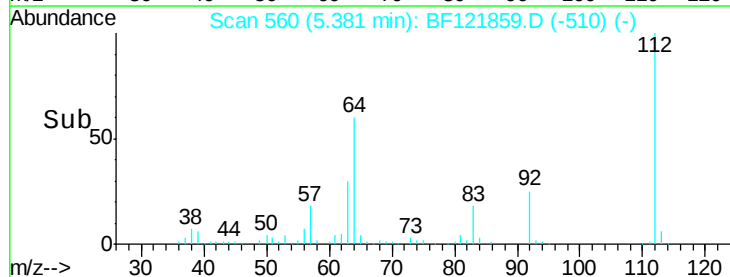
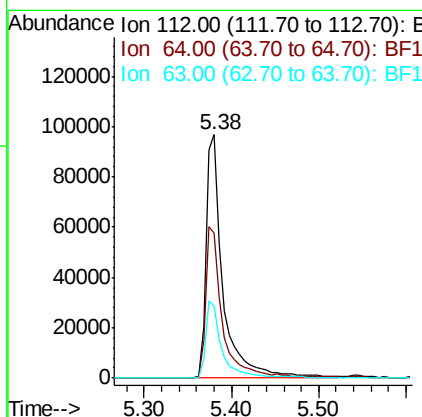
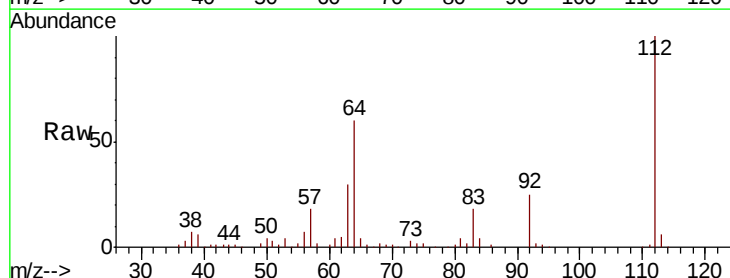
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#5

2-Fluorophenol
Concen: 15.604 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	50.4	75.6
63	29.6	25.8	38.6





#7

Phenol-d6

Concen: 15.673 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

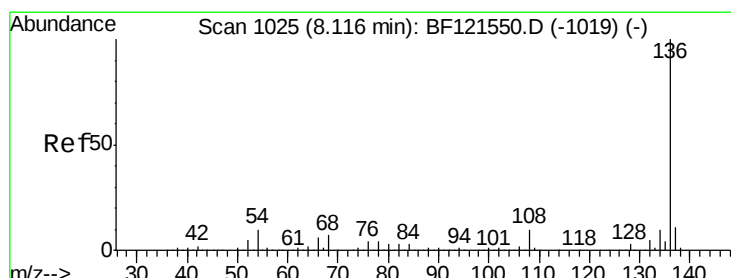
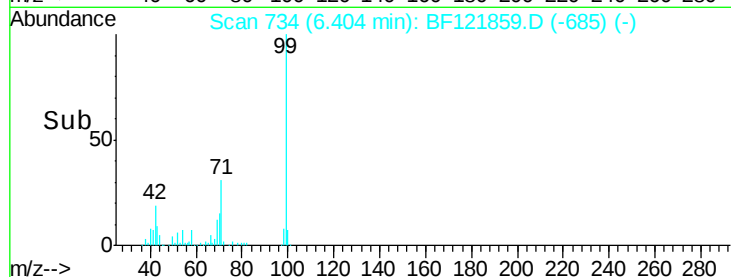
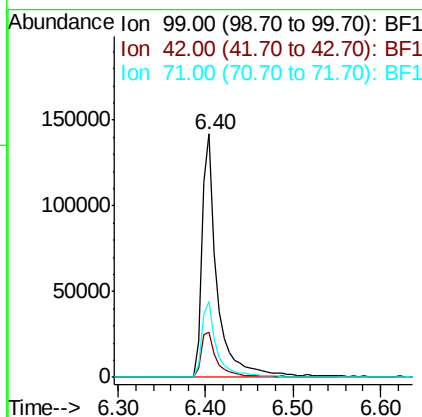
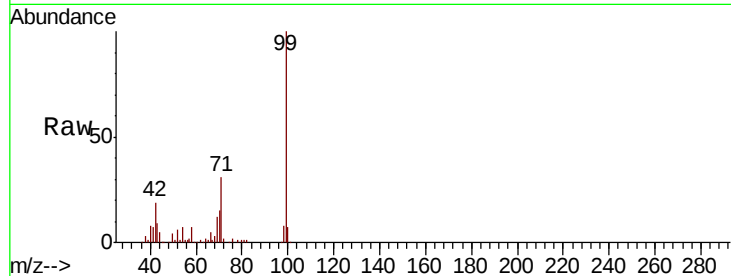
ClientSampleId :

337

Tot Ion:	99	Resp:	171762
Ion Ratio	Lower	Upper	
99	100		
42	18.8	15.9	23.9
71	31.4	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

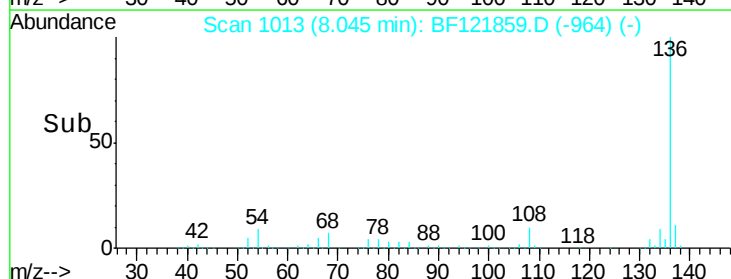
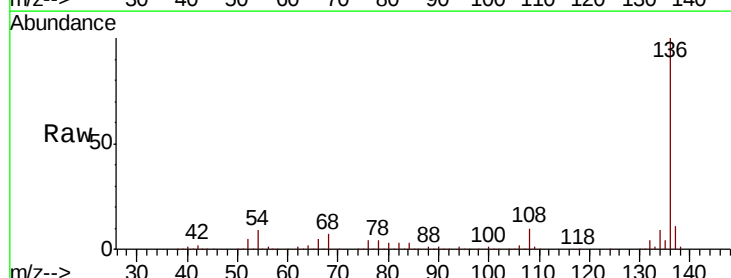
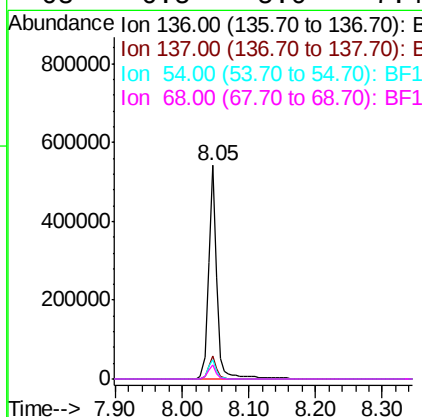
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Tgt Ion:	136	Resp:	470726
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.1	7.1	10.7
68	6.5	5.0	7.4





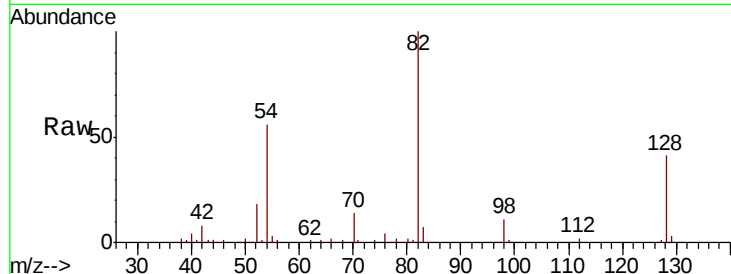
#23
Nitrobenzene-d5
Concen: 12.339 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Instrument :
BNA_F
ClientSampleId :
337

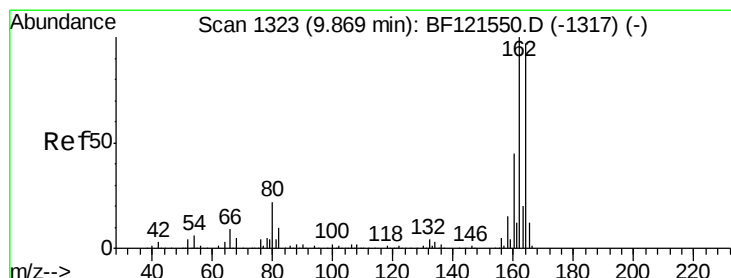
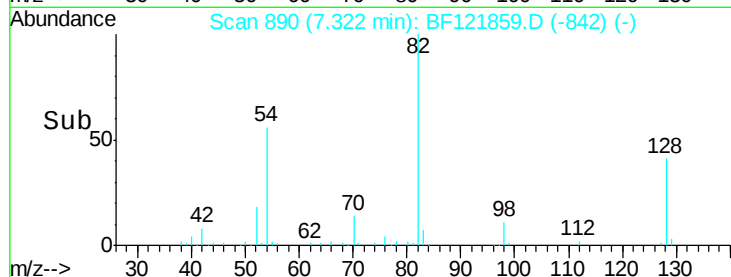
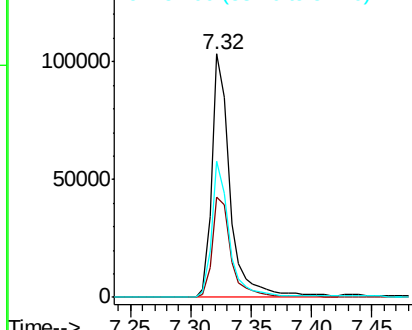
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	35.0	52.4
54	56.1	43.9	65.9

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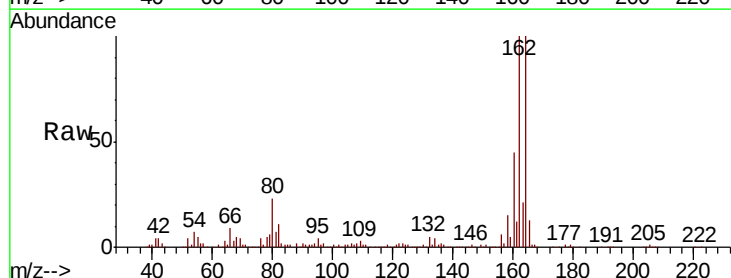


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

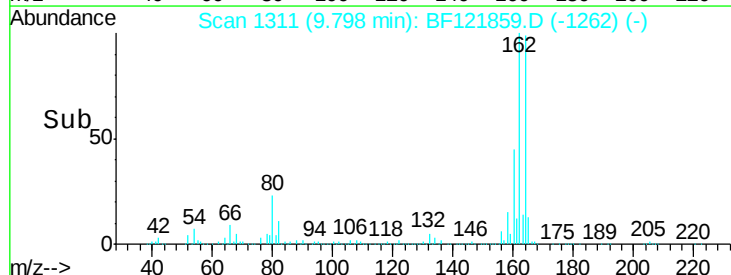
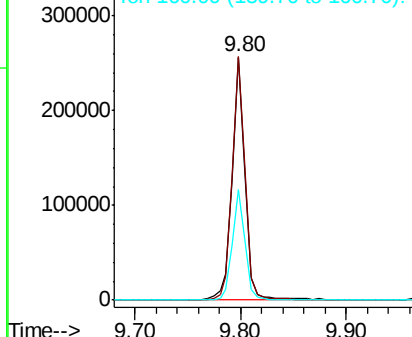


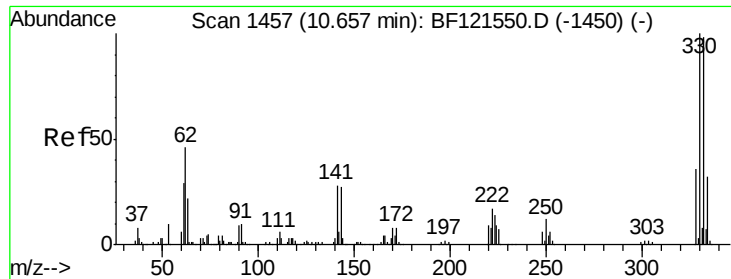
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	83.2	124.8
160	45.5	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 11.627 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

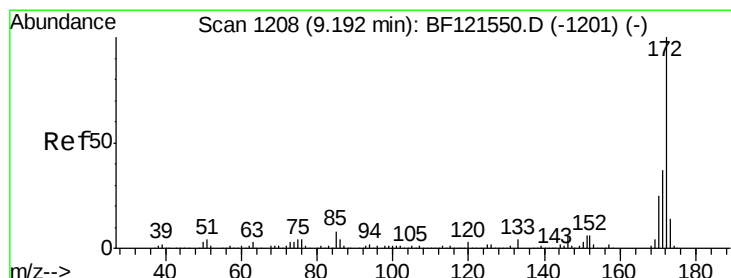
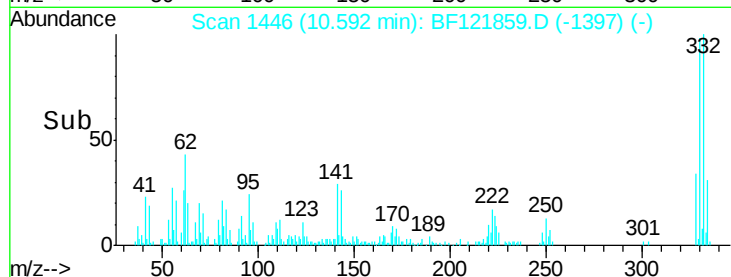
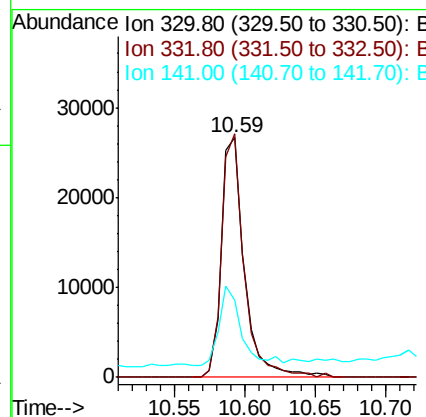
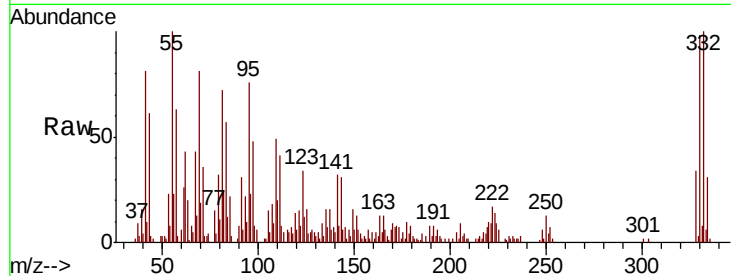
ClientSampleId :

337

Tot Ion:	330	Resp:	30405
Ion Ratio	Lower	Upper	
330	100		
332	98.8	77.3	115.9
141	30.4	22.3	33.5

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#45

2-Fluorobiphenyl

Concen: 14.393 ng

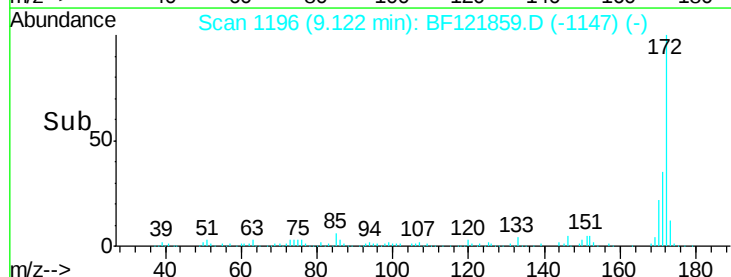
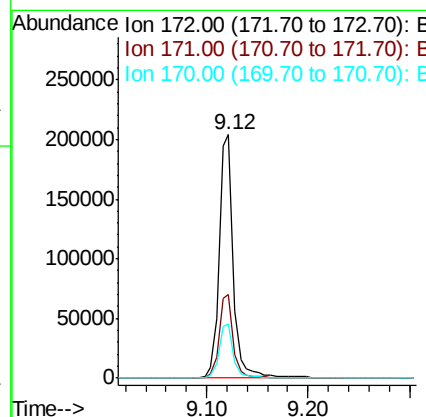
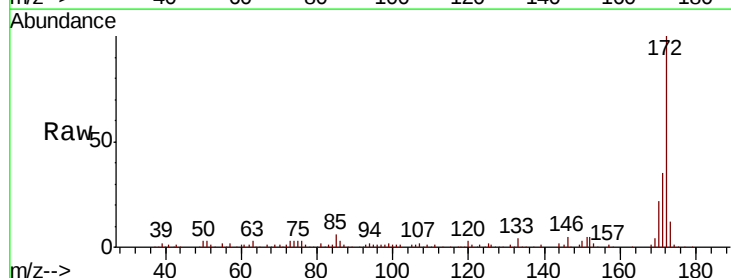
RT: 9.12 min Scan# 1196

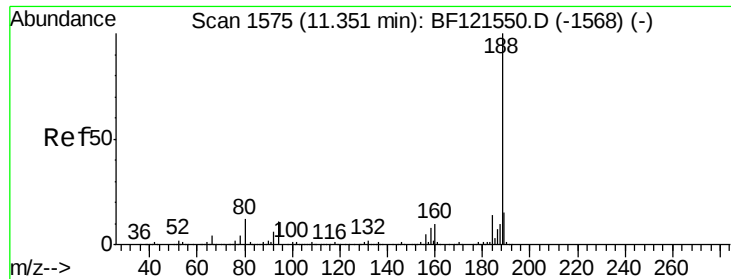
Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Tgt Ion:	172	Resp:	199946
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.1	43.7
170	22.3	19.8	29.6





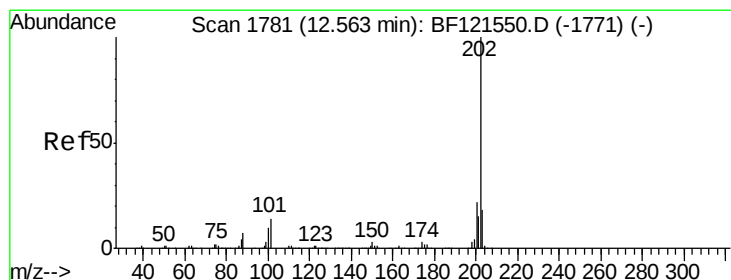
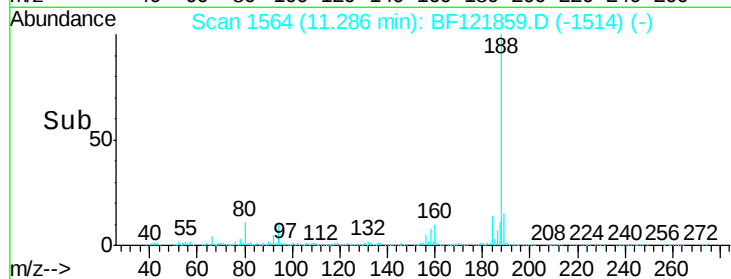
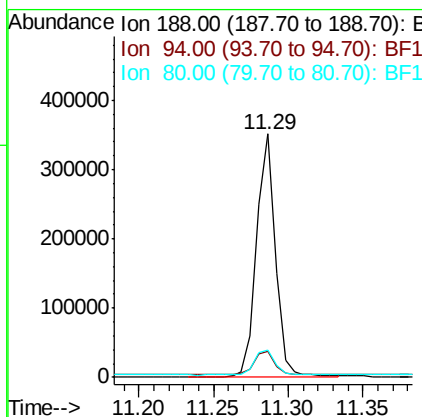
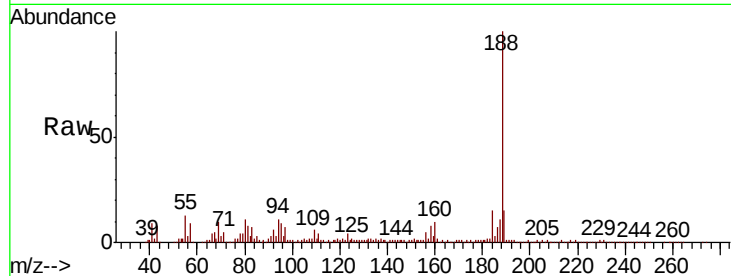
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Instrument :
BNA_F
ClientSampleId :
337

Tot Ion	Ratio	Resp	Lower	Upper
188	100	306327		
94	10.9		8.3	12.5
80	11.5		9.1	13.7

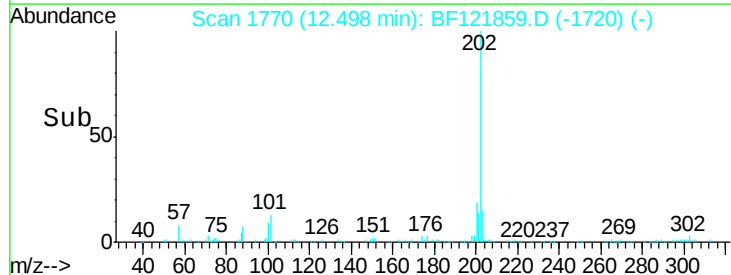
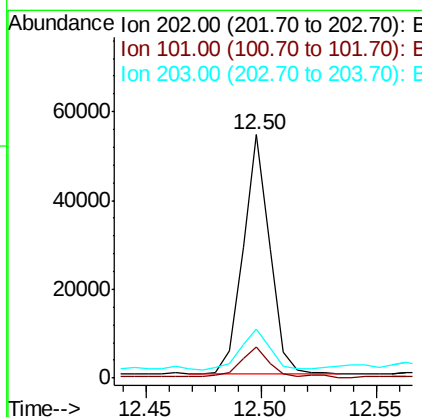
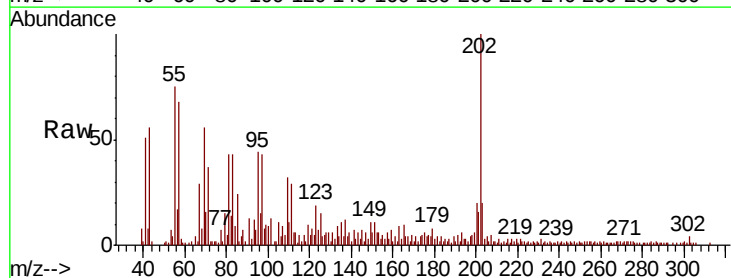
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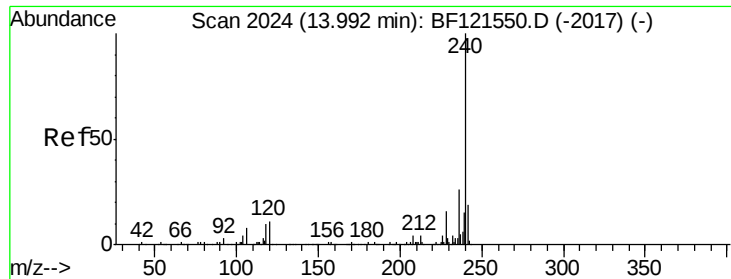
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#75
Fluoranthene
Concen: 2.438 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	43439		
101	12.9		0.0	33.4
203	20.0		0.0	37.9





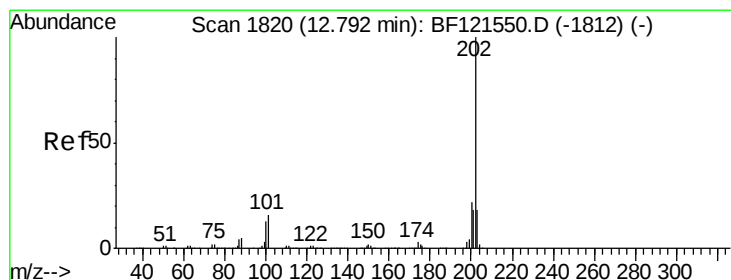
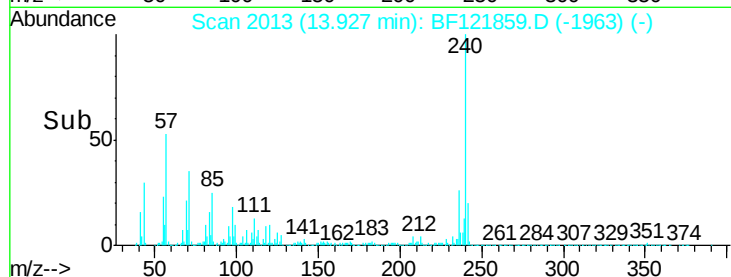
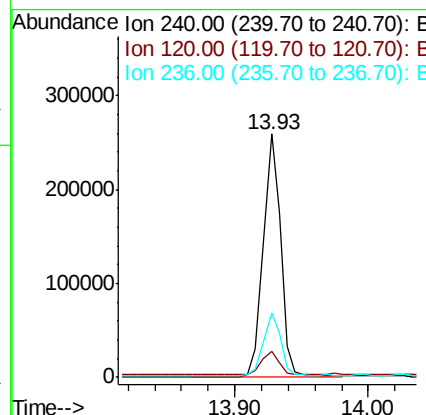
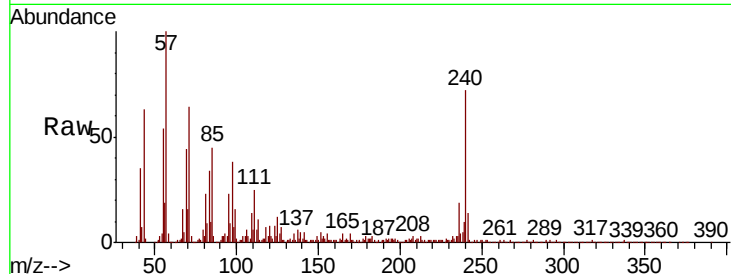
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Instrument :
BNA_F
ClientSampleId :
337

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.2	13.8
236	26.4	20.9	31.3

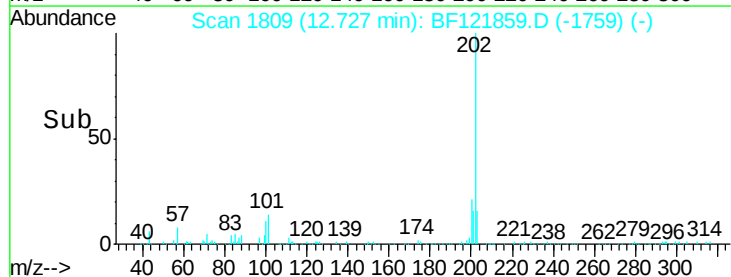
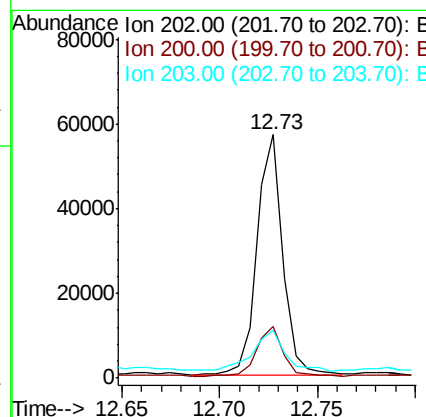
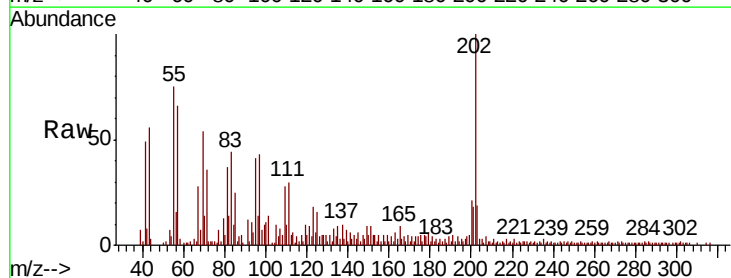
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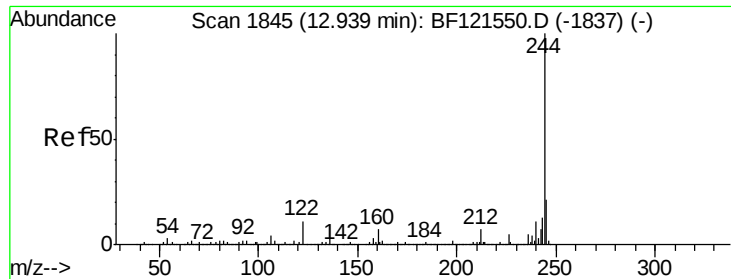
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#78
Pyrene
Concen: 3.097 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	19.4	14.6	21.8





#79

Terphenyl-d14

Concen: 12.549 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

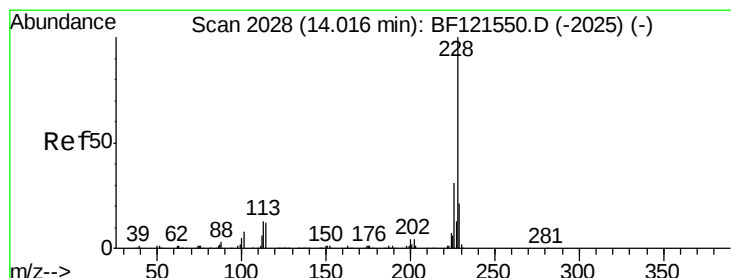
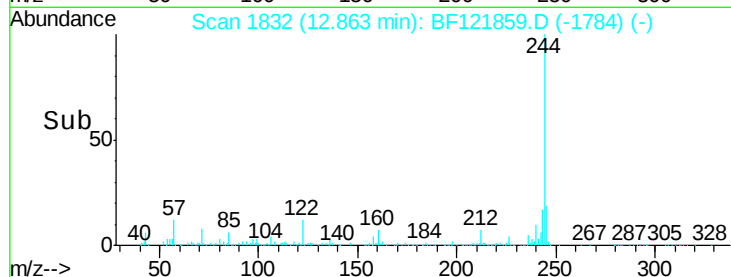
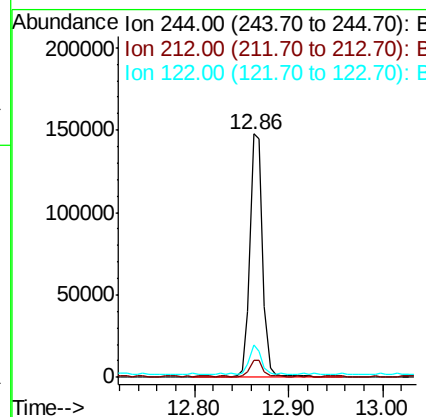
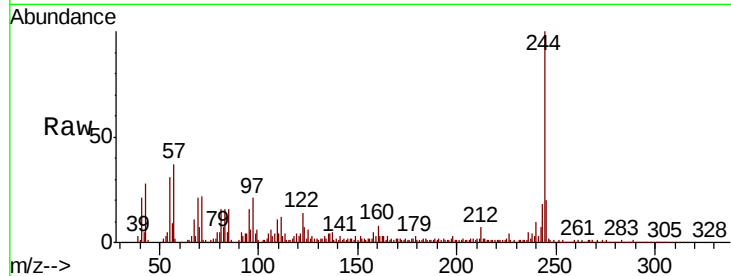
ClientSampleId :

337

Tot Ion:	244	Resp:	140816
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.2
122	13.5	8.1	12.1

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#83

Chrysene

Concen: 2.874 ng

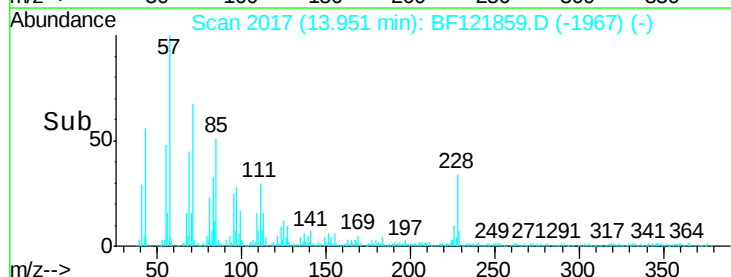
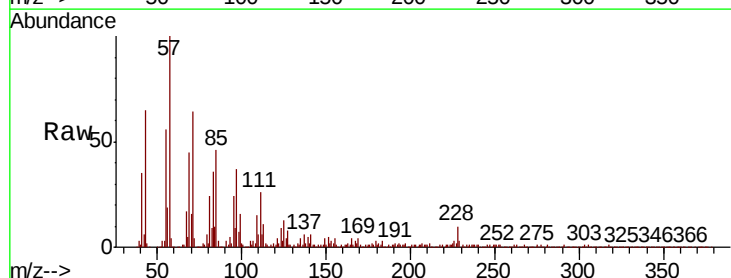
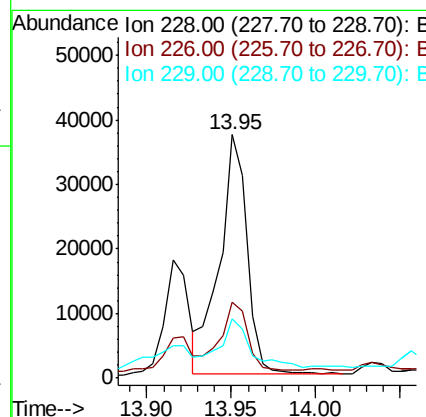
RT: 13.95 min Scan# 2017

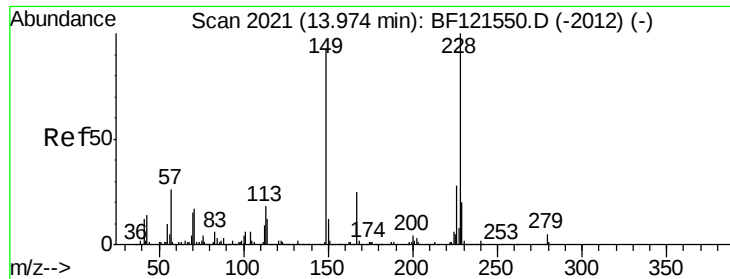
Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Tgt Ion:	228	Resp:	41860
Ion Ratio		Lower	Upper
228	100		
226	31.2	24.6	37.0
229	24.3	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.993 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

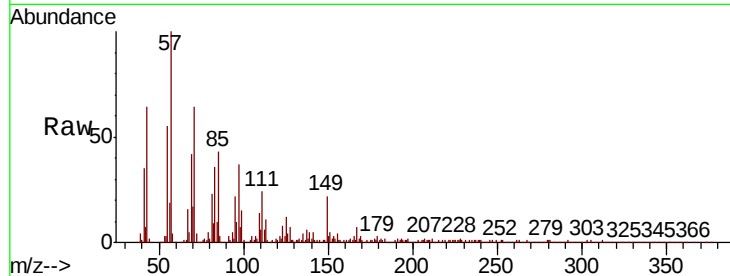
ClientSampled :

337

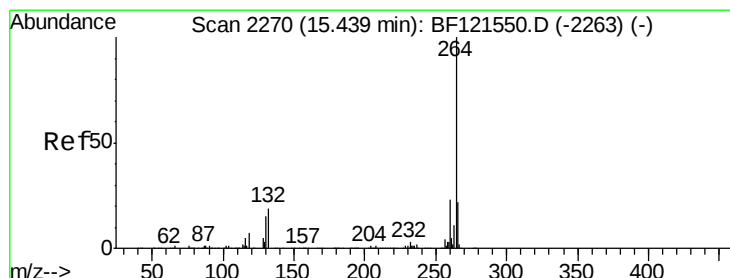
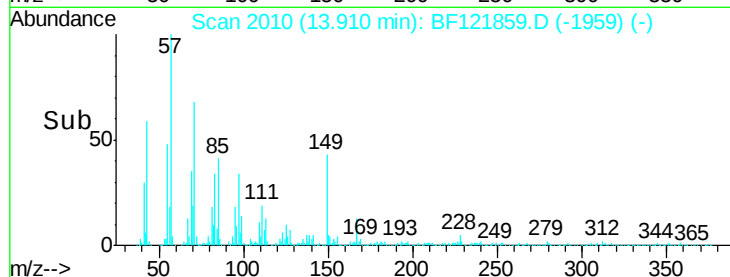
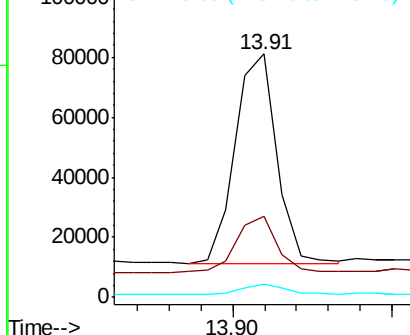
Tot Ion:	149	Resp:	62755
Ion Ratio	Lower	Upper	
149	100		
167	33.5	20.9	31.3#
279	5.6	3.2	4.8#

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:05 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

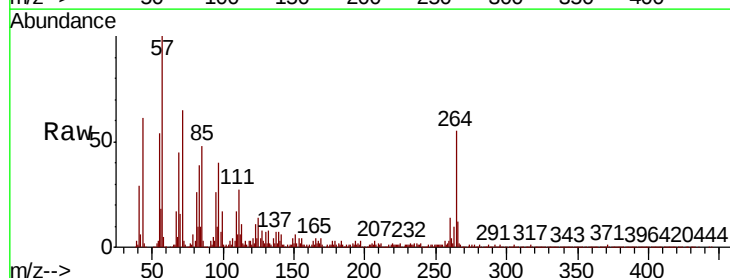
RT: 15.39 min Scan# 2262

Delta R.T. 0.03 min

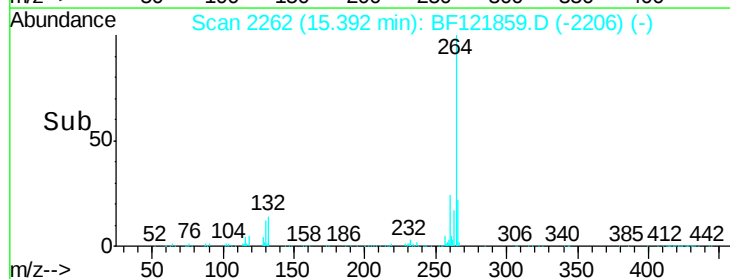
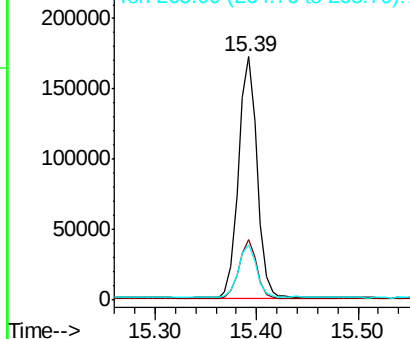
Lab File: BF121859.D

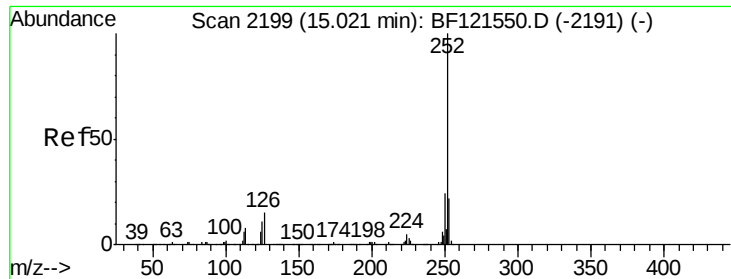
Acq: 6 Oct 2020 18:32

Tgt Ion:	264	Resp:	217799
Ion Ratio	Lower	Upper	
264	100		
260	24.8	18.7	28.1
265	22.8	17.3	25.9



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





#88
 Benzo(b)fluoranthene
 Concen: 2.871 ng m
 RT: 14.97 min Scan# 2191
 Delta R.T. 0.02 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Instrument :
 BNA_F
 ClientSampleId :
 337

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.8	18.2	27.2#
125	203.6	8.0	12.0#

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:41:05 AM

