

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118869.D
 Acq On : 10 Feb 2020 14:13
 Operator : CG/JU
 Sample : L1470-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-2-(BASE)

Manual Integrations
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mohammad
 2/13/2020 10:28:35 AM

Quant Time: Feb 11 00:36:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	208891	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	792449	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	562706	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	871444	20.00	ng	0.00
76) Chrysene-d12	13.97	240	821201	20.00	ng	-0.01
87) Perylene-d12	15.42	264	722328	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1208758	109.54	ng	0.00
7) Phenol-d6	6.45	99	1429942	104.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	914677	68.80	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	689137	102.35	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1884114	59.86	ng	-0.01
79) Terphenyl-d14	12.92	244	2498163	62.49	ng	-0.01
Target Compounds						
31) Naphthalene	8.12	128	145913	4.026	ng	98
37) 2-Methylnaphthalene	8.80	142	122263	4.864	ng	98
38) 1-Methylnaphthalene	8.90	142	90307	3.819	ng	98
71) Phenanthrene	11.36	178	151768	3.540	ng	96
75) Fluoranthene	12.54	202	158006	3.375	ng	98
78) Pyrene	12.77	202	140887	2.501	ng	97
88) Benzo(b)fluoranthene	15.00	252	91840m	2.049	ng	

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

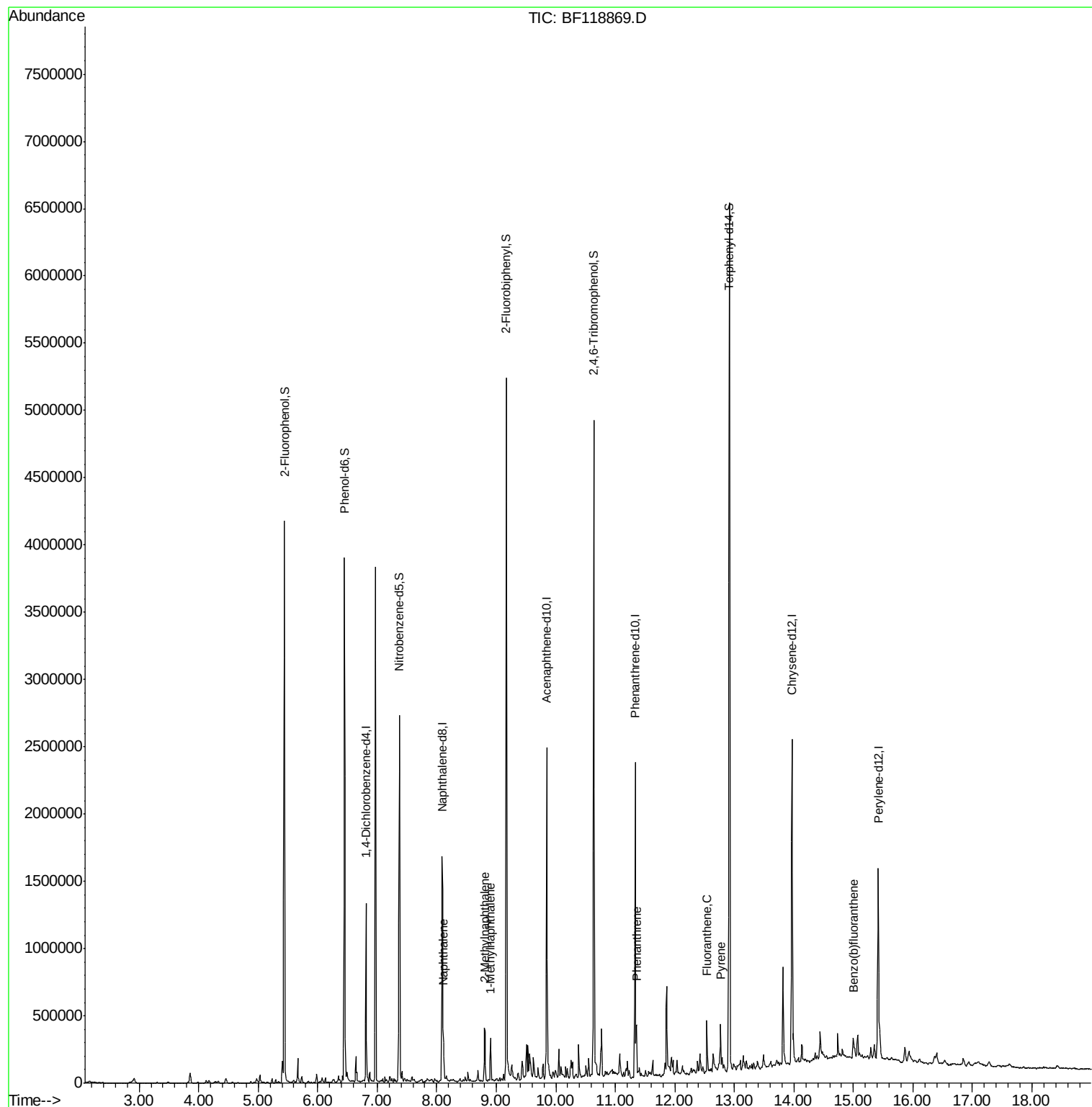
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118869.D
Acq On : 10 Feb 2020 14:13
Operator : CG/JU
Sample : L1470-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

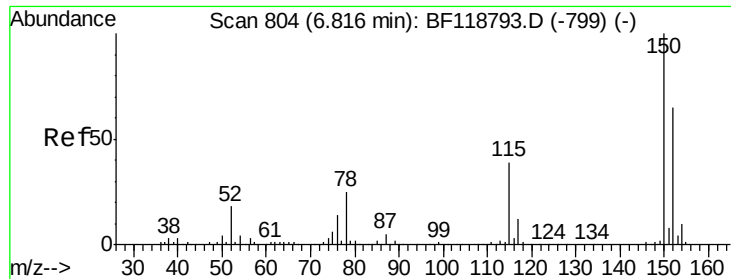
Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

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Quant Time: Feb 11 00:36:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

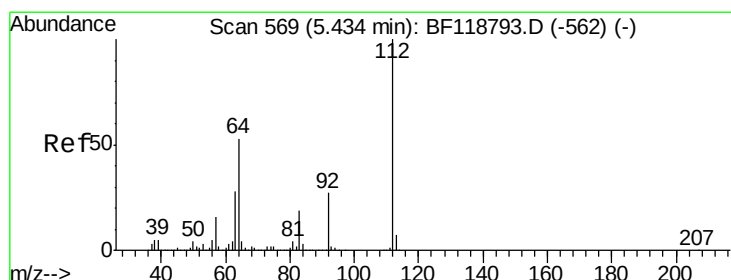
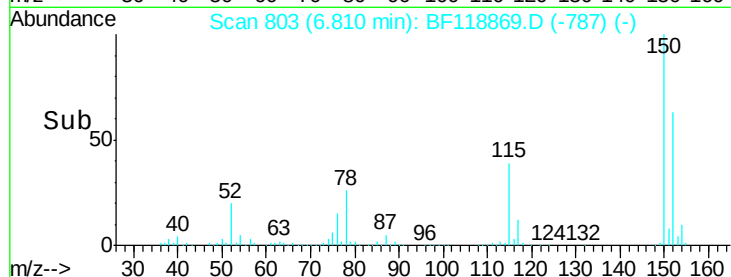
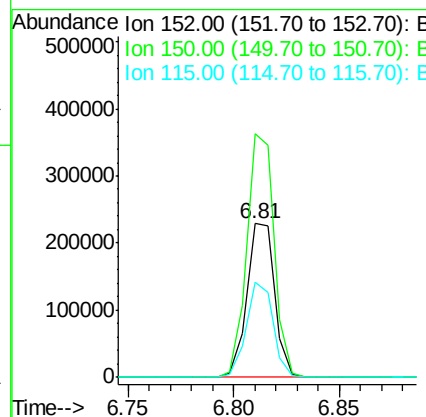
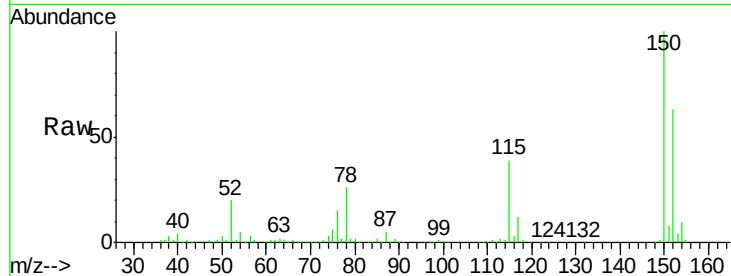
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.6	185.4
115	61.7	48.2	72.2

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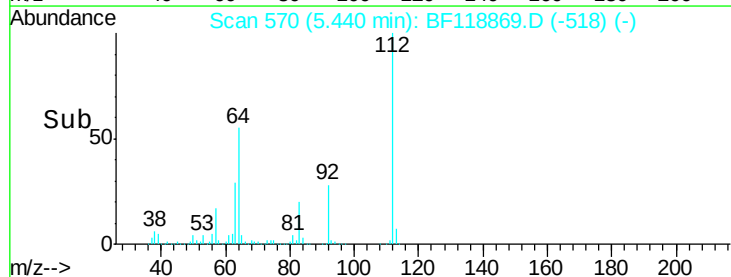
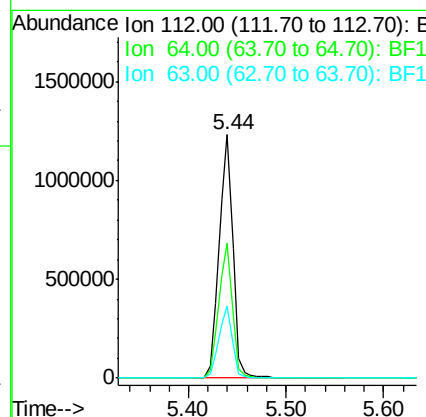
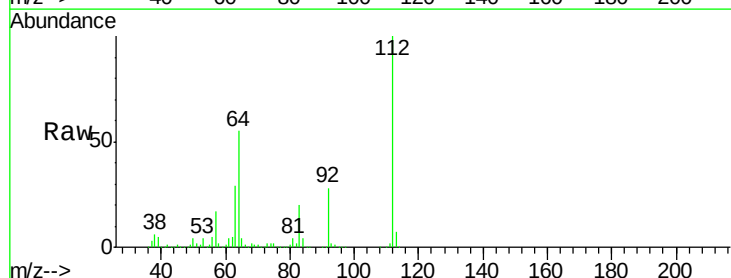
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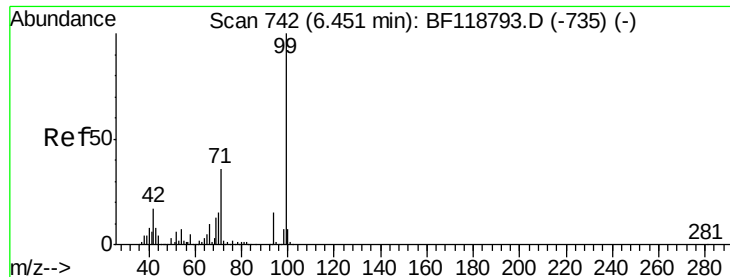


#5

2-Fluorophenol
 Concen: 109.535 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	42.6	63.8
63	29.4	22.2	33.4





#7

Phenol-d6

Concen: 104.385 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

Tot Ion: 99 Resp: 1429942

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

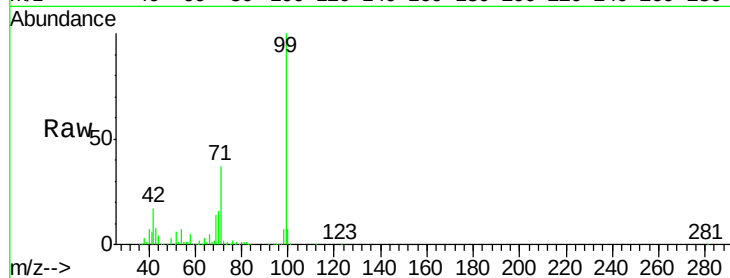
71 37.5 29.0 43.6

Manual Integrations

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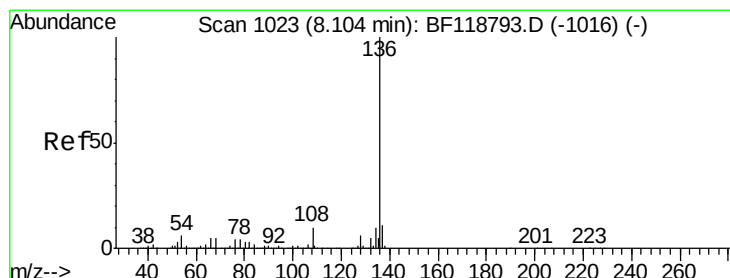
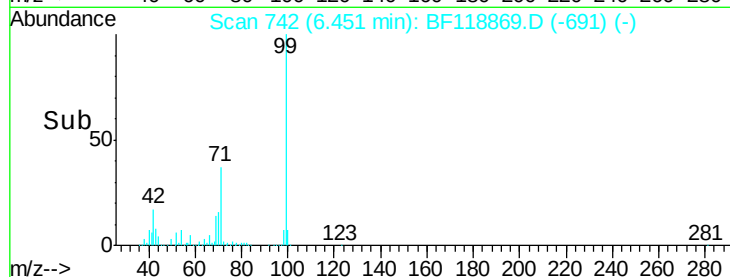
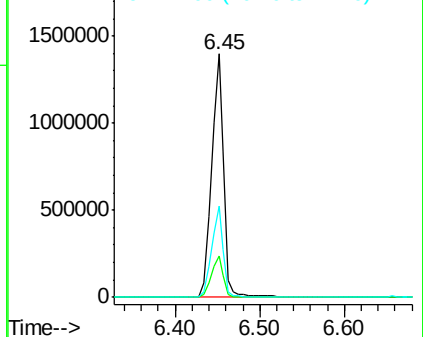
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Tgt Ion: 136 Resp: 792449

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.0 5.0 7.6

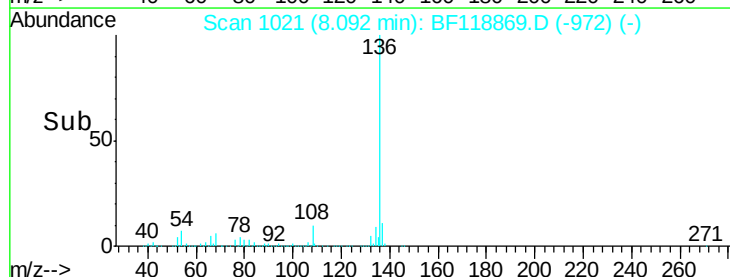
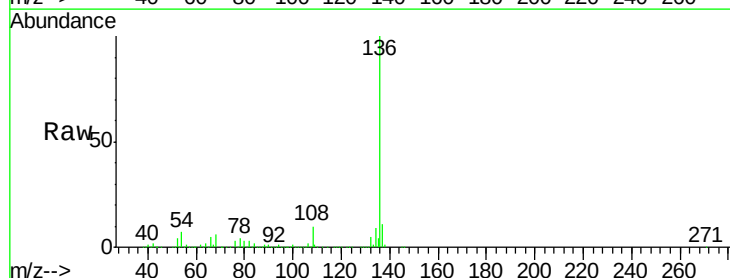
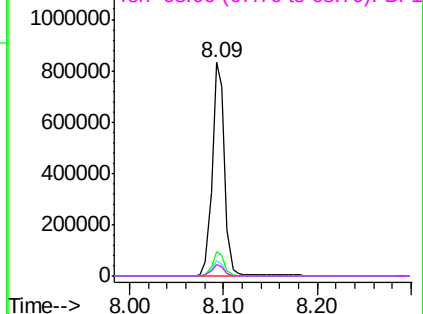
68 5.7 4.2 6.4

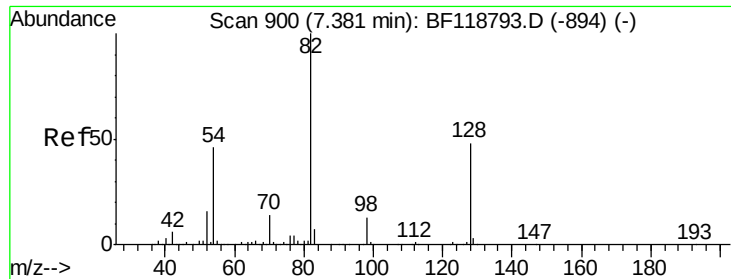
Abundance Ion 136.00 (135.70 to 136.70): E

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





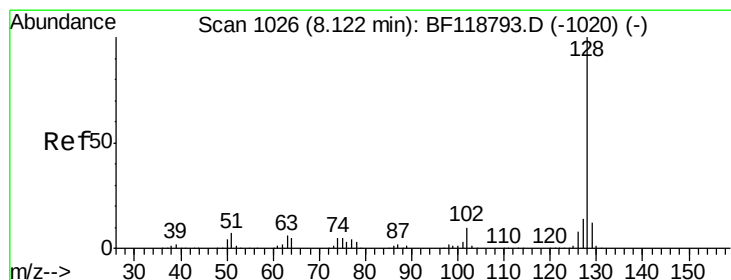
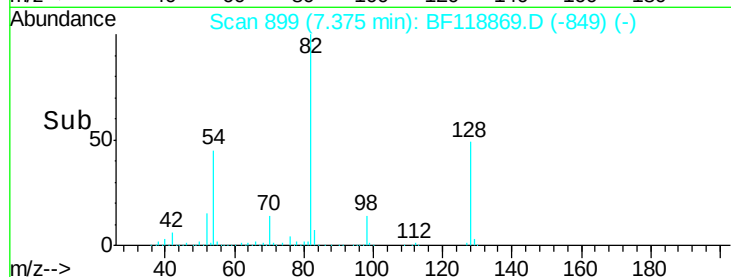
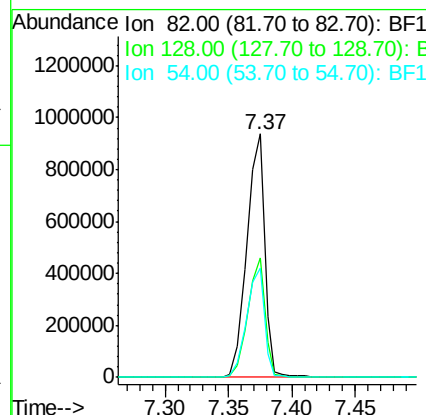
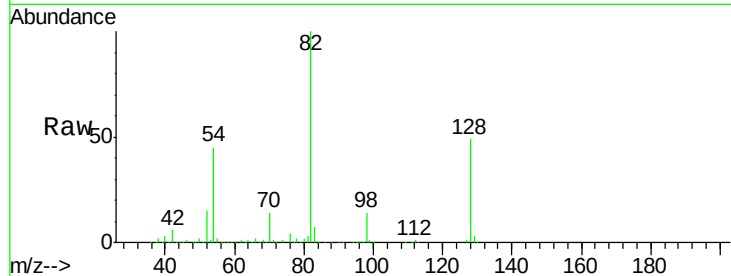
#23
Nitrobenzene-d5
Concen: 68.798 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.2	38.5	57.7
54	45.1	36.7	55.1

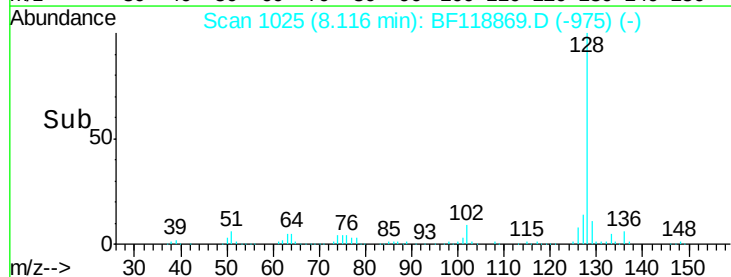
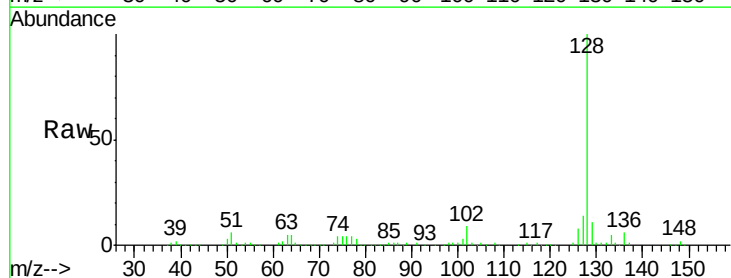
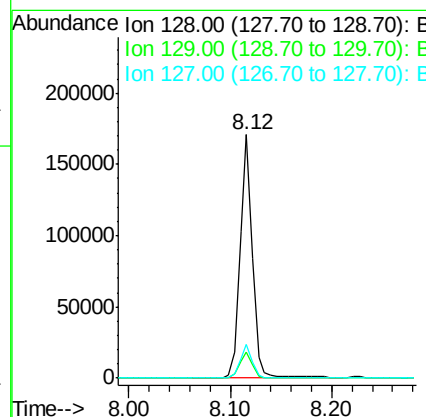
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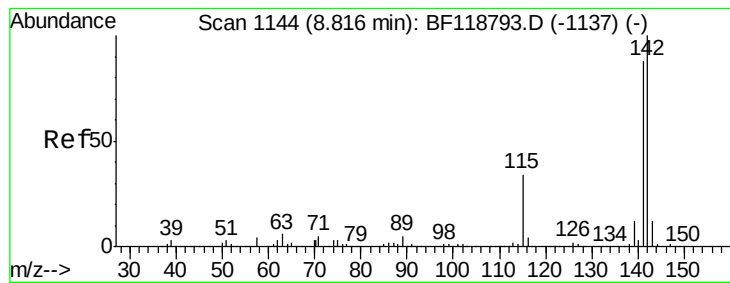
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#31
Naphthalene
Concen: 4.026 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	13.6	11.3	16.9





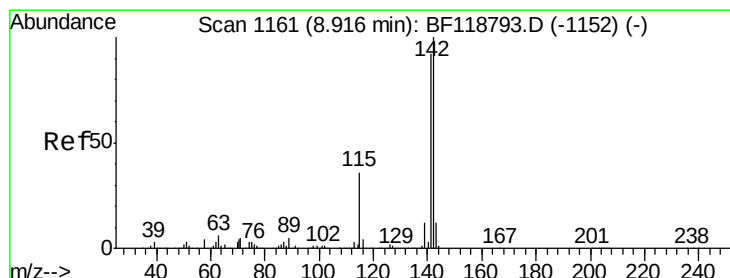
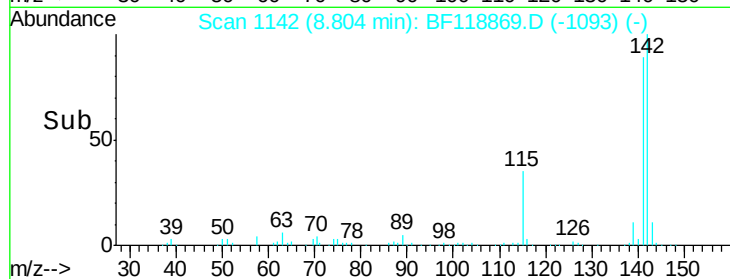
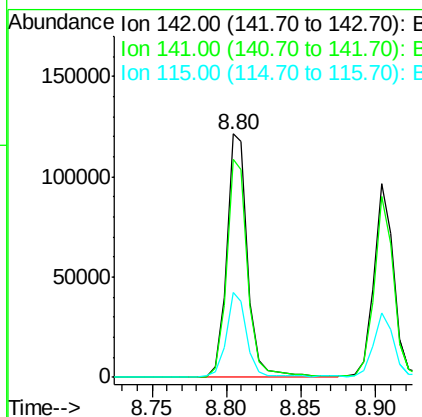
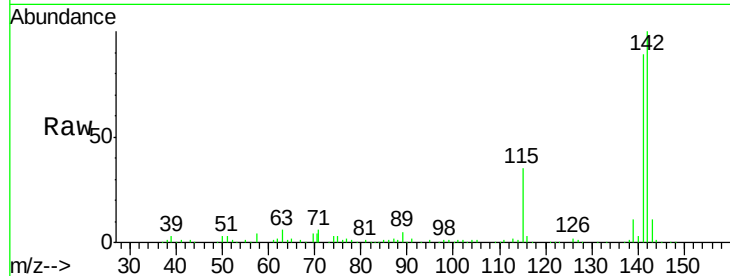
#37
2-Methylnaphthalene
Concen: 4.864 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.1	105.1
115	35.1	27.3	40.9

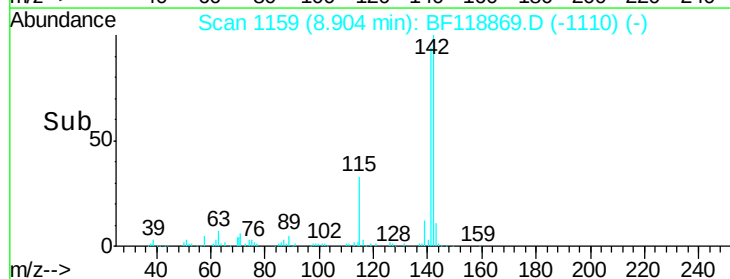
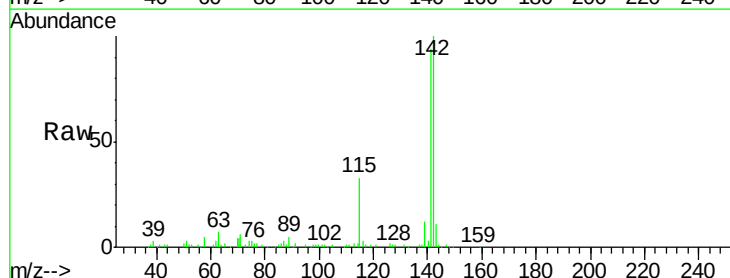
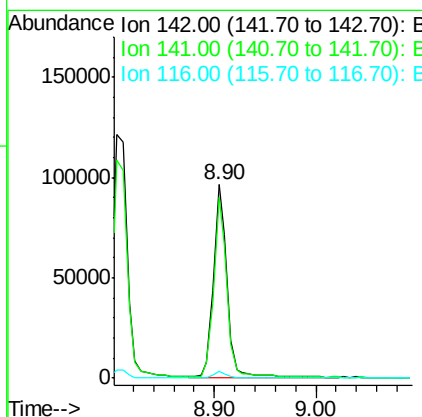
Manual Integrations
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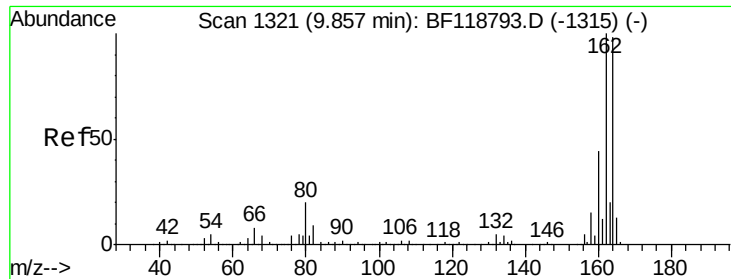
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#38
1-Methylnaphthalene
Concen: 3.819 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.8	110.6
116	3.5	3.0	4.4





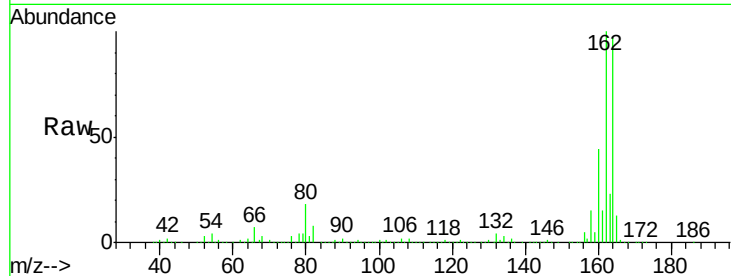
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

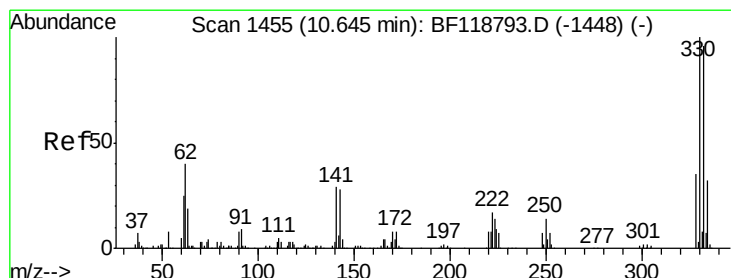
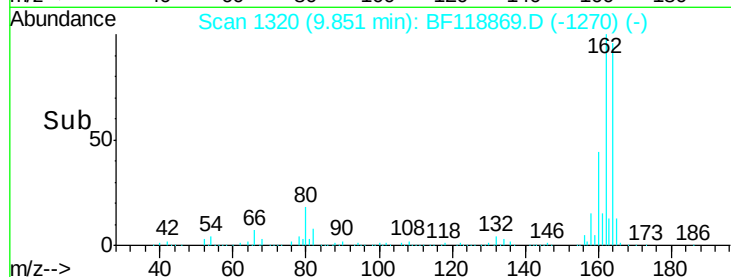
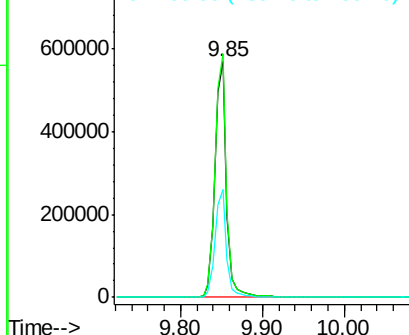
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.3	81.4	122.2	
160	45.7	35.6	53.4	

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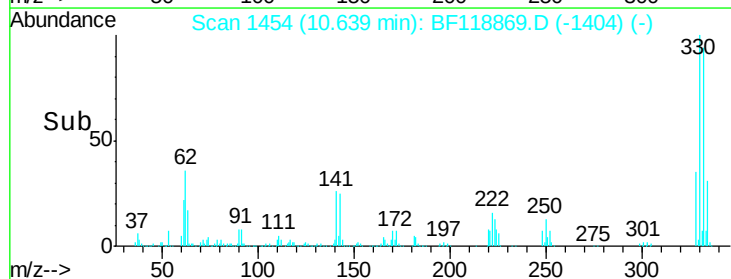
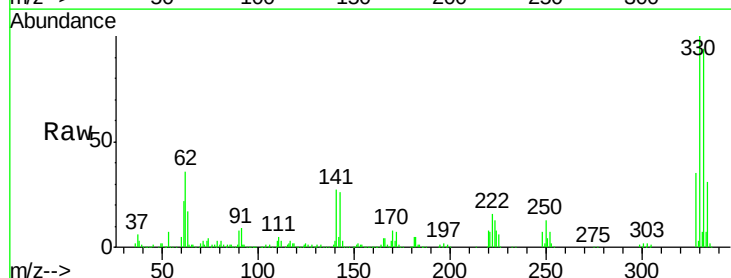
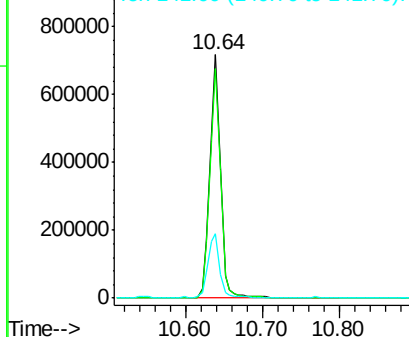
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

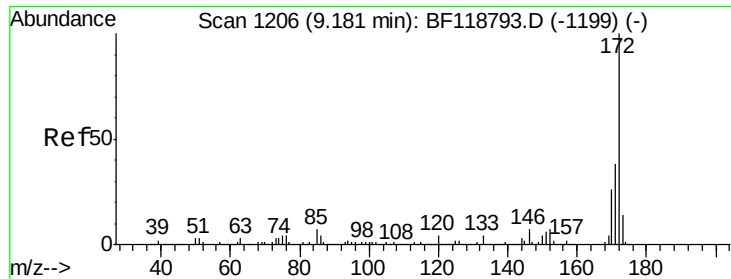


#42
2,4,6-Tribromophenol
Concen: 102.353 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.3	115.9	
141	28.1	22.4	33.6	

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





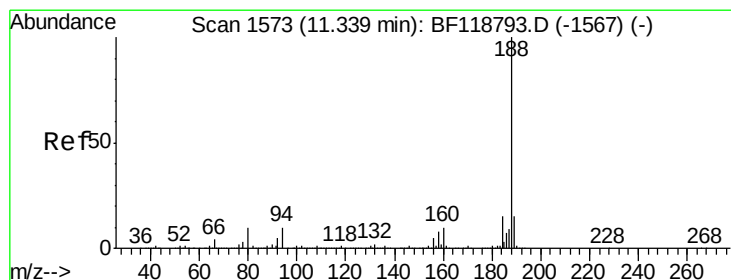
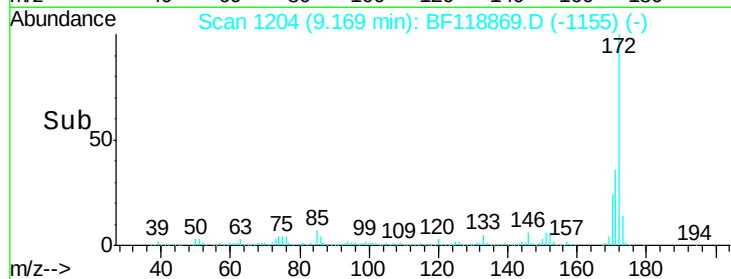
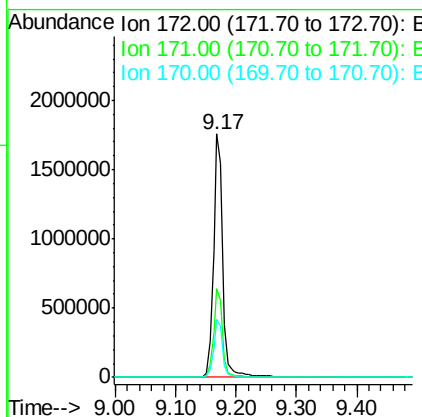
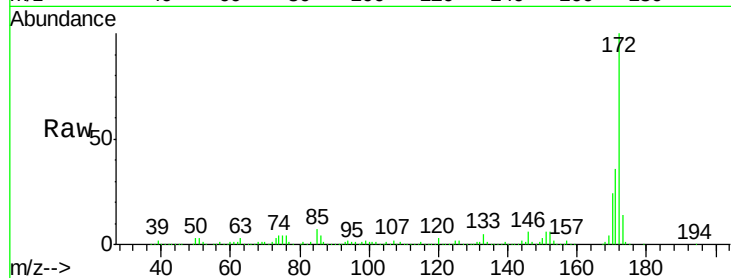
#45
2-Fluorobiphenyl
Concen: 59.858 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.8	46.2
170	23.9	20.5	30.7

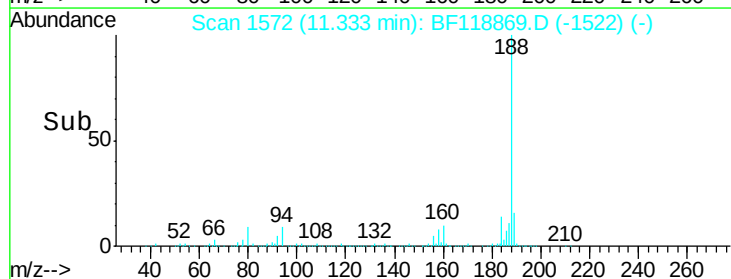
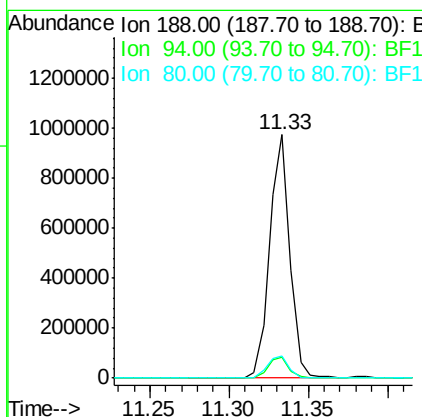
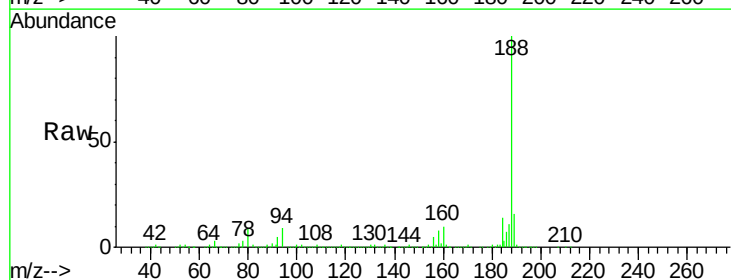
Manual Integrations
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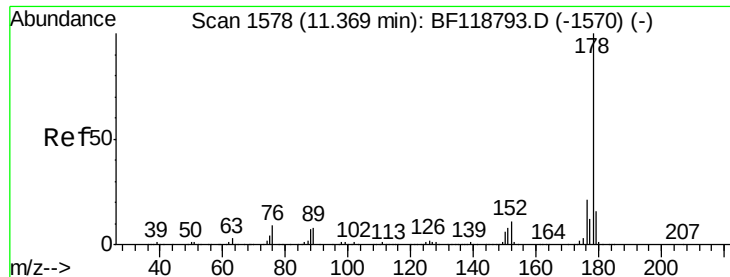
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.9	11.9
80	9.3	8.4	12.6





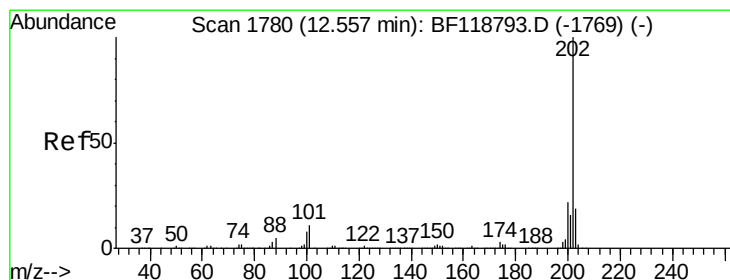
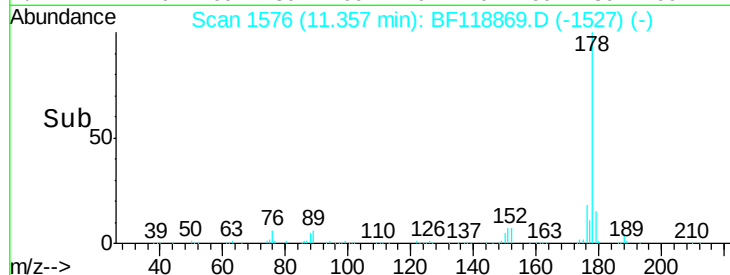
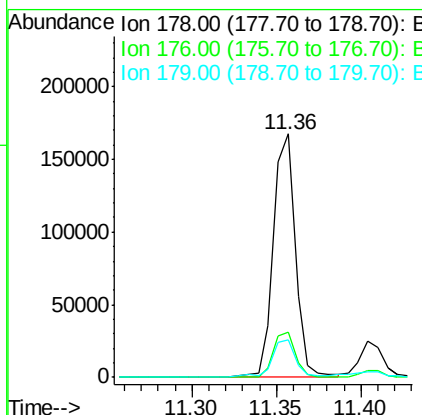
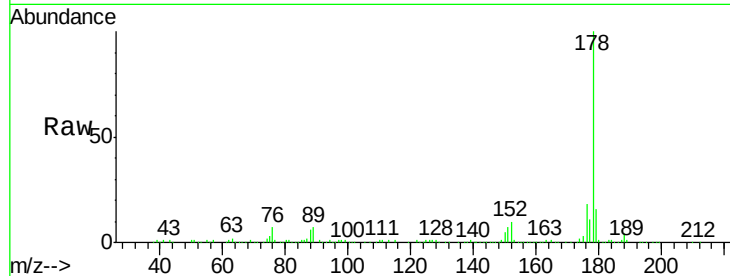
#71
Phenanthrene
Concen: 3.540 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	24.8
179	15.6	13.2	19.8

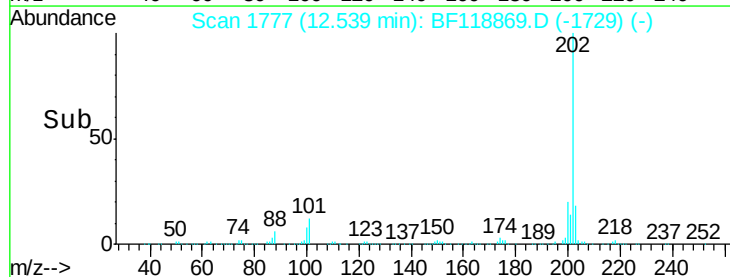
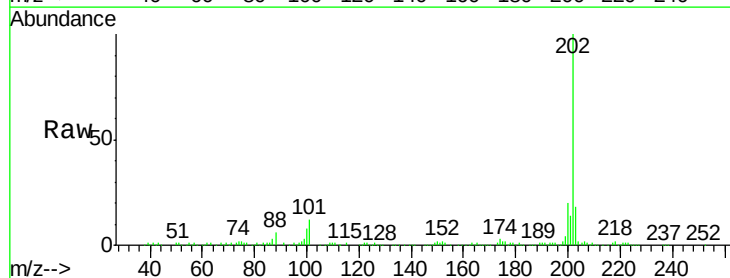
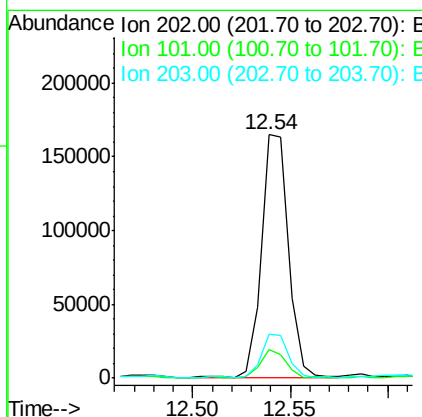
Manual Integrations
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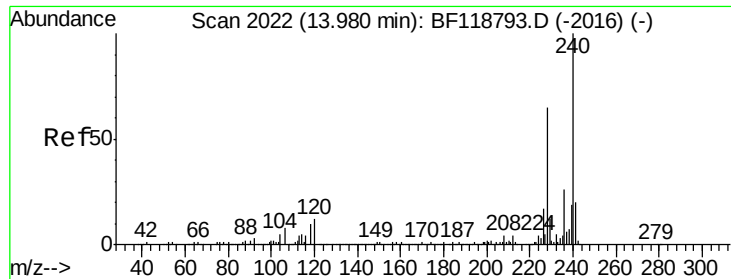
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#75
Fluoranthene
Concen: 3.375 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.02 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.0
203	18.1	0.0	38.7





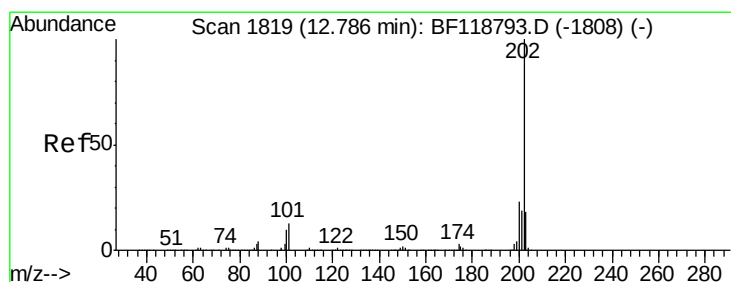
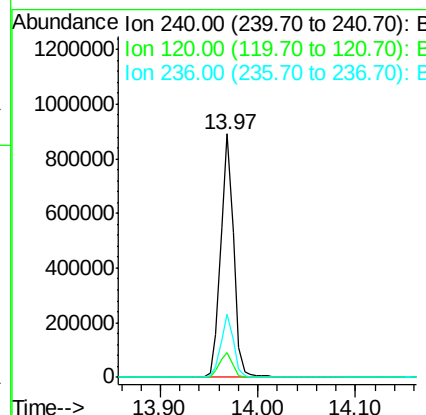
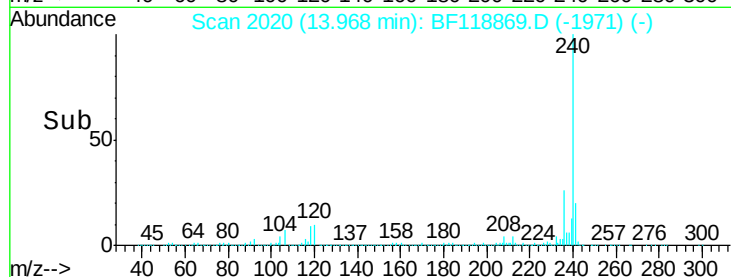
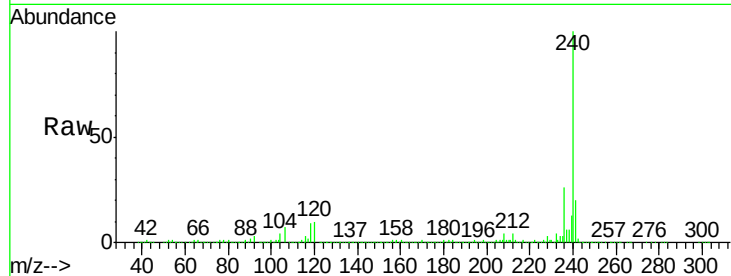
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.4	14.0
236	25.8	21.0	31.6

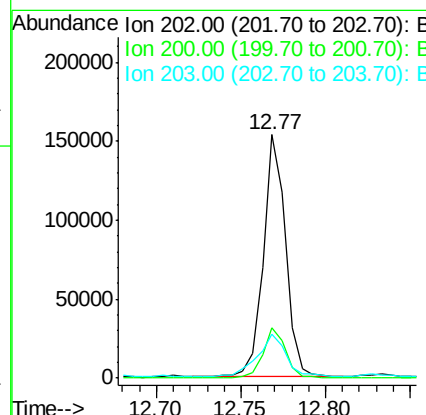
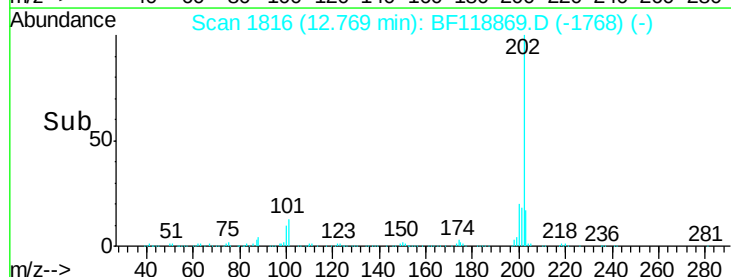
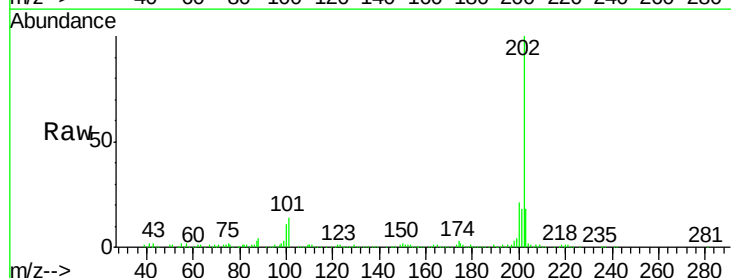
Manual Integrations
APPROVED

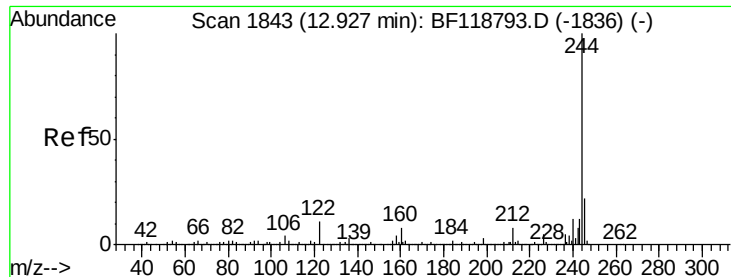
mohammad
2/13/2020 10:28:35 AM



#78
Pyrene
Concen: 2.501 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.2	27.2
203	17.9	14.8	22.2





#79

Terphenyl-d14

Concen: 62.486 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

Tot Ion:244 Resp: 2498163

Ion Ratio Lower Upper

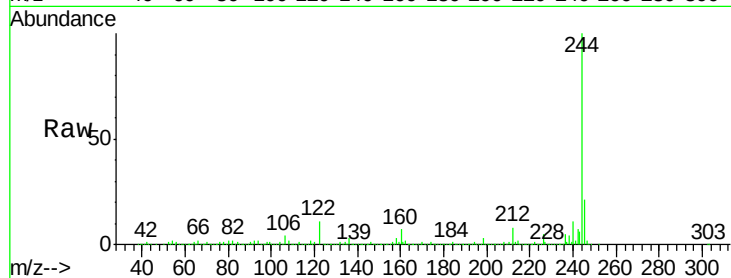
244 100

212 7.5 6.5 9.7

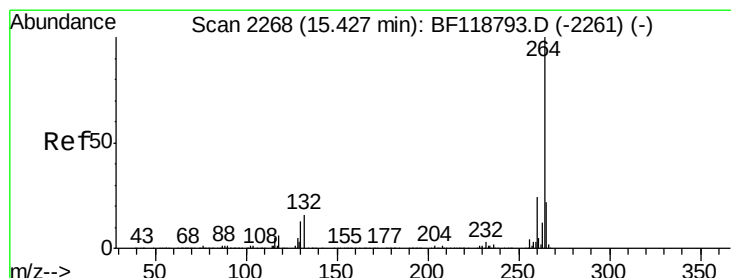
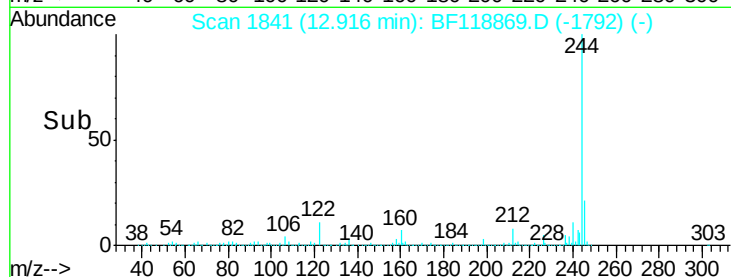
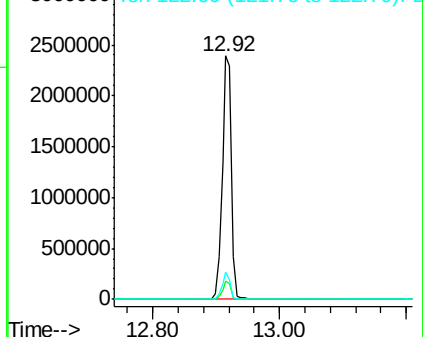
122 11.0 8.9 13.3

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2/13/2020 10:28:35 AM



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

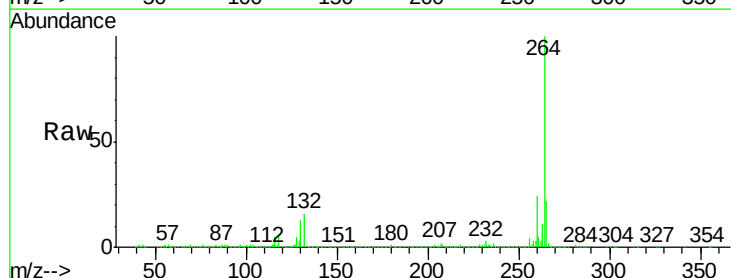
Tgt Ion:264 Resp: 722328

Ion Ratio Lower Upper

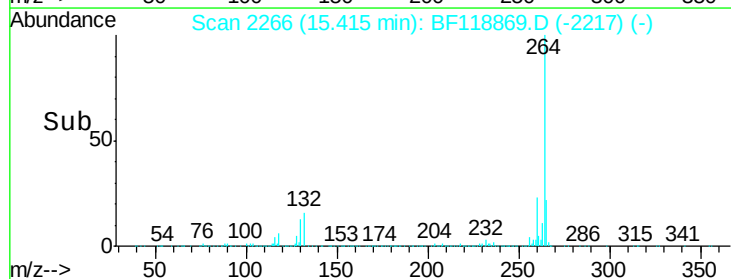
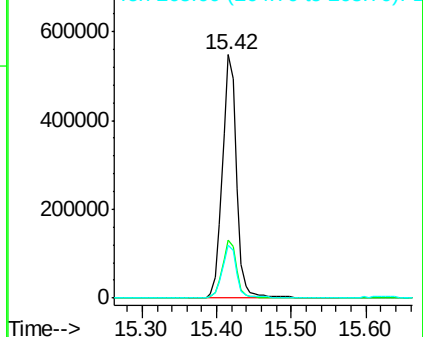
264 100

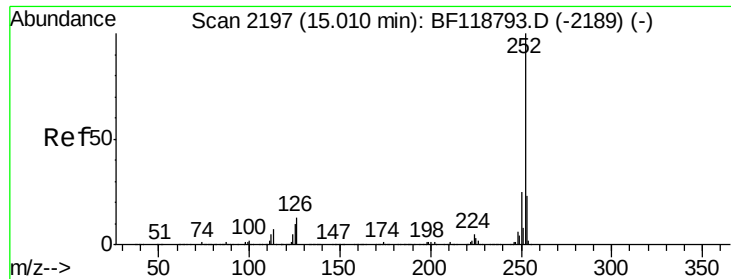
260 23.6 19.1 28.7

265 21.8 17.2 25.8



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: 2.049 ng m
 RT: 15.00 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PE-2-(BASE)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	11.9	8.1	12.1

Manual Integrations
 APPROVED

mohammad
 2/13/2020 10:28:35 AM

