

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118839.D
 Acq On : 6 Feb 2020 16:14
 Operator : CG/JU
 Sample : L1408-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-02-B

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:10:55 AM

Quant Time: Feb 06 21:15:17 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	6.82	152	210206	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	789455	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	445804	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	833842	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	608250	20.00	ng	-0.01
87) Perylene-d12	15.42	264	728544	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1120128	100.87	ng	0.00
7) Phenol-d6	6.45	99	1350020	97.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	887114	66.98	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	504928	94.66	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1815905	72.82	ng	-0.01
79) Terphenyl-d14	12.92	244	2131745	71.99	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	46326	3.022	ng	93
50) Dimethylphthalate	9.56	163	192083	6.328	ng	97
71) Phenanthrene	11.36	178	609436	14.855	ng	97
72) Anthracene	11.40	178	256340	6.281	ng	96
75) Fluoranthene	12.54	202	1351470	30.171	ng	99
78) Pyrene	12.77	202	1224638	29.348	ng	98
81) Benzo(a)anthracene	13.96	228	738565	20.405	ng	94
83) Chrysene	13.99	228	610808	16.814	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	374327	10.256	ng	95
88) Benzo(b)fluoranthene	15.00	252	823009m	18.205	ng	
89) Benzo(k)fluoranthene	15.02	252	252798m	6.422	ng	
90) Benzo(a)pyrene	15.35	252	611473	15.805	ng	99
91) Dibenzo(a,h)anthracene	16.85	278	108305	3.153	ng	92
92) Benzo(a,h,i)perylene	17.27	276	322908	9.776	ng	99

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

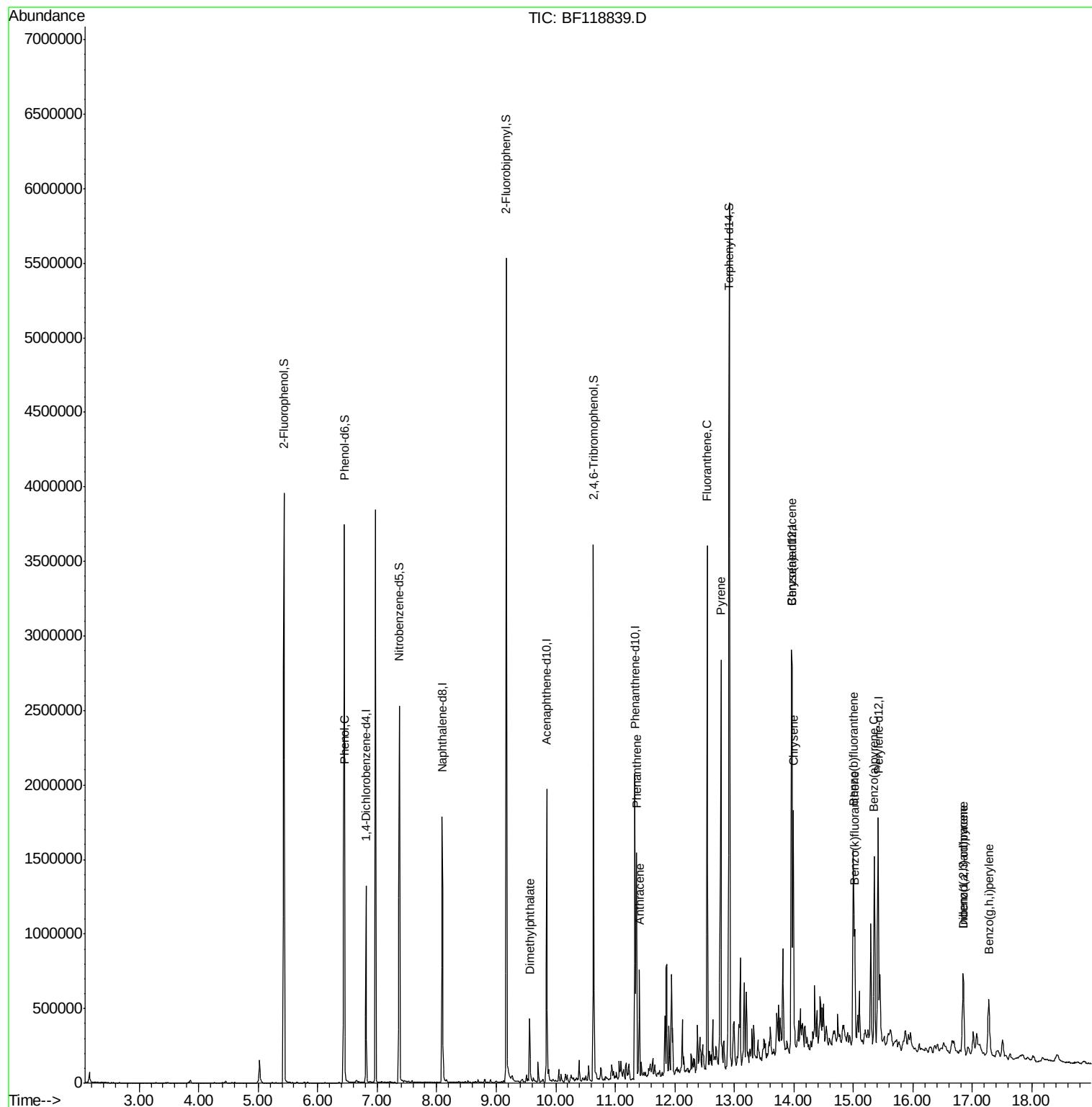
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

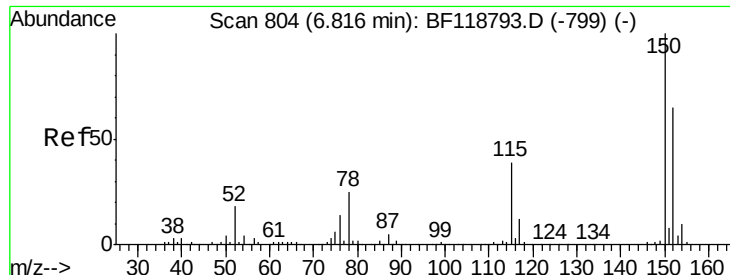
Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:55 AM

Quant Time: Feb 06 21:15:17 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

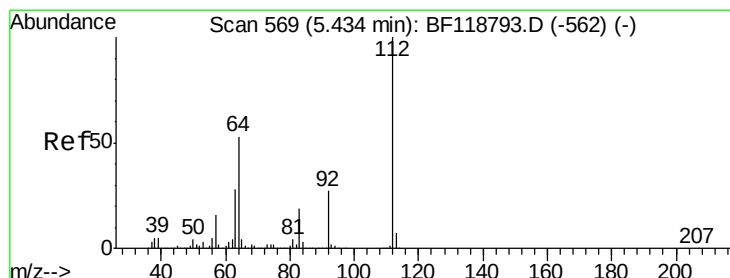
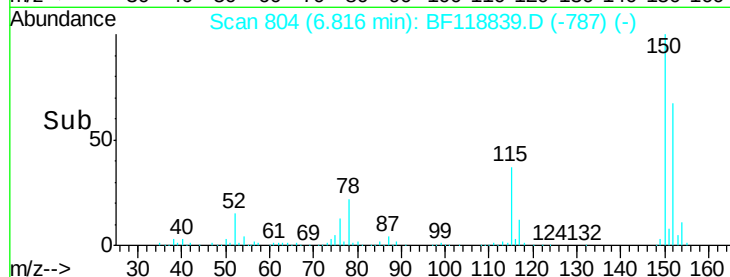
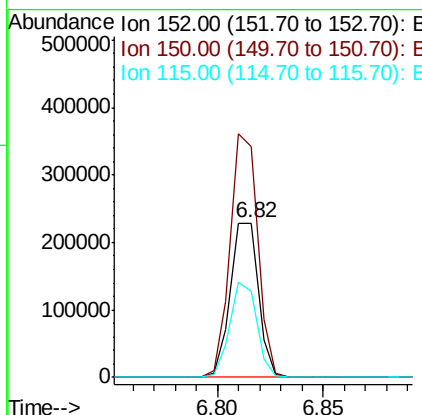
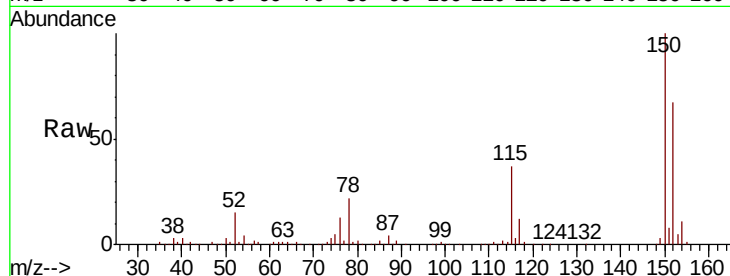
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	123.6	185.4
115	55.7	48.2	72.2

Manual Integrations
APPROVED

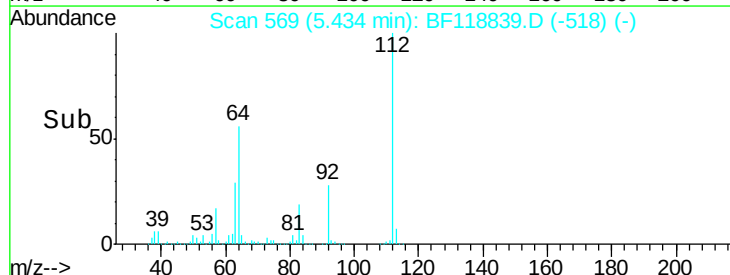
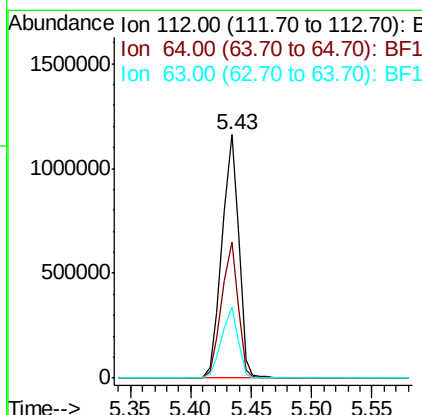
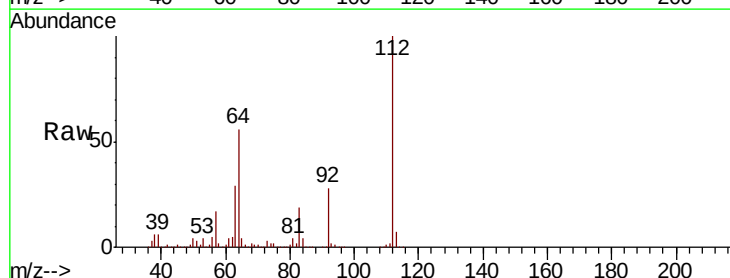
mohammad
2/10/2020 8:10:55 AM

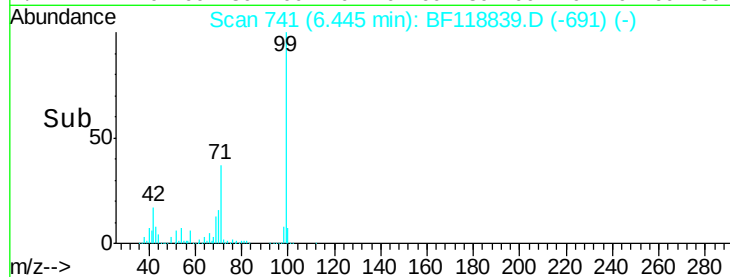
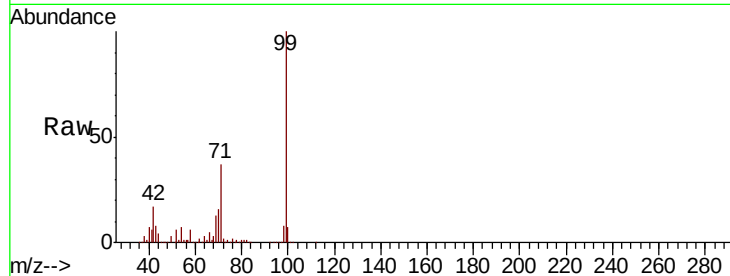
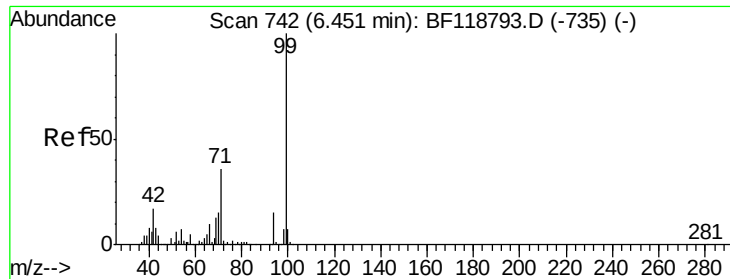


#5

2-Fluorophenol
Concen: 100.869 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.6	63.8
63	29.2	22.2	33.4





#7

Phenol-d6

Concen: 97.934 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Tot Ion:	99	Resp:	1350020
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.0
71	36.7	29.0	43.6

Instrument :

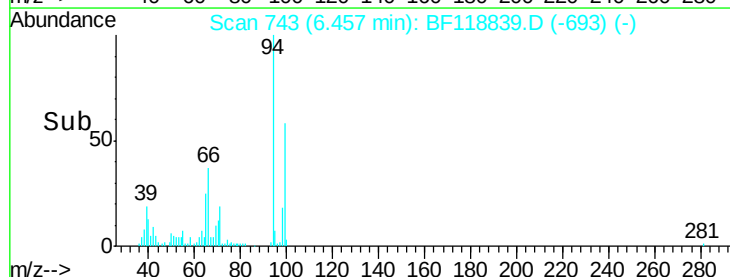
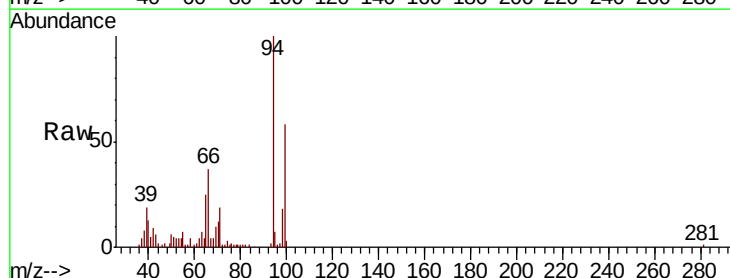
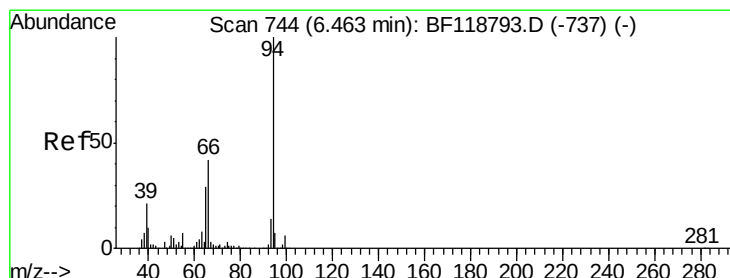
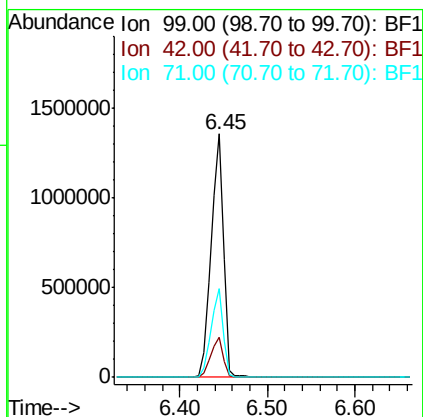
BNA_F

ClientSampleId :

SHORE-RD-PATH-BH-02-B

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:55 AM



#10

Phenol

Concen: 3.022 ng

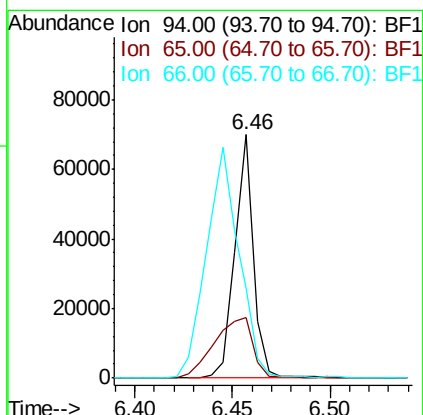
RT: 6.46 min Scan# 743

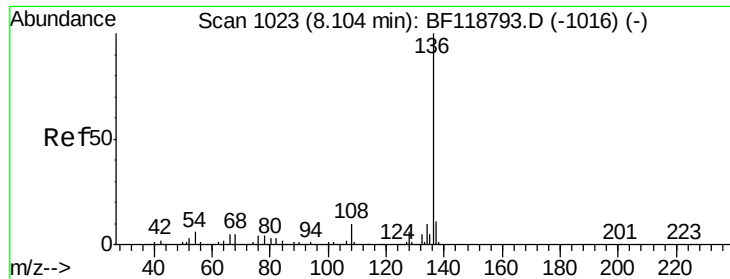
Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Tgt Ion:	94	Resp:	46326
Ion	Ratio	Lower	Upper
94	100		
65	25.1	9.1	49.1
66	37.1	21.7	61.7





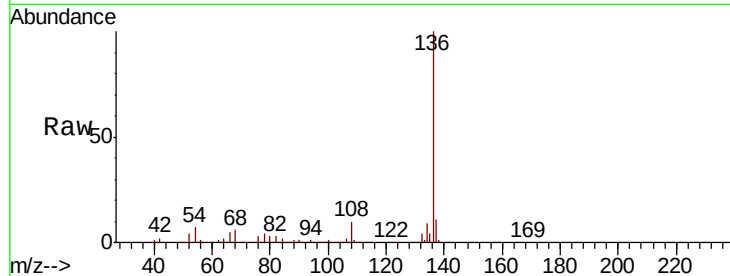
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

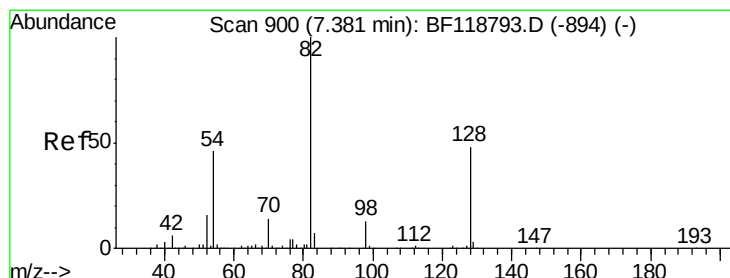
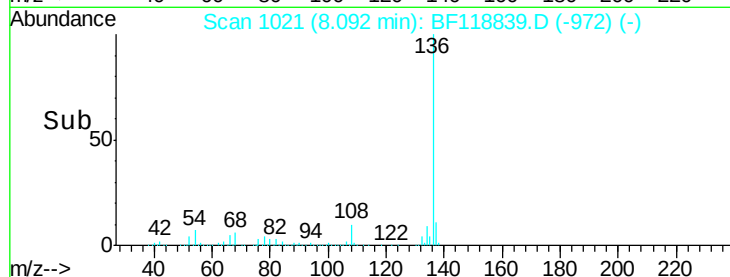
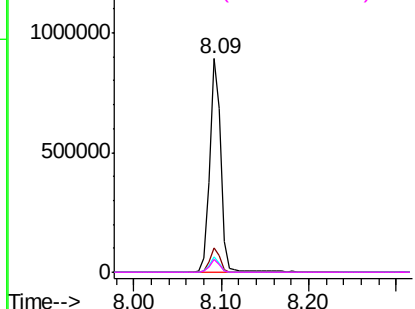
Tot Ion	Ratio	Resp	Lower	Upper
136	100	789455		
137	11.5		8.7	13.1
54	7.0		5.0	7.6
68	6.0		4.2	6.4

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:55 AM

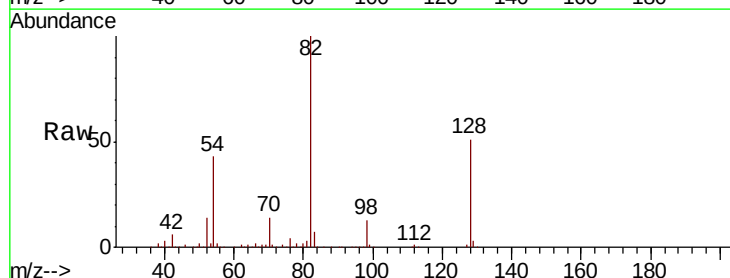


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

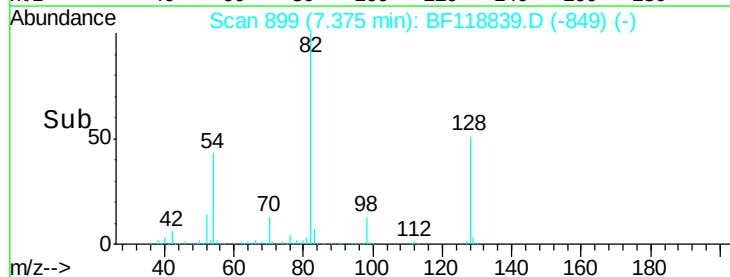
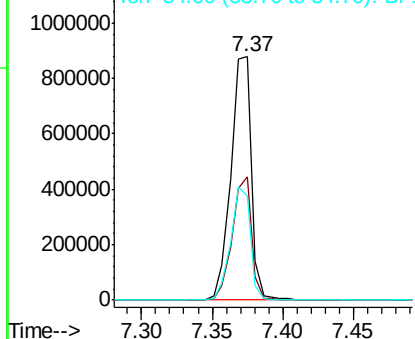


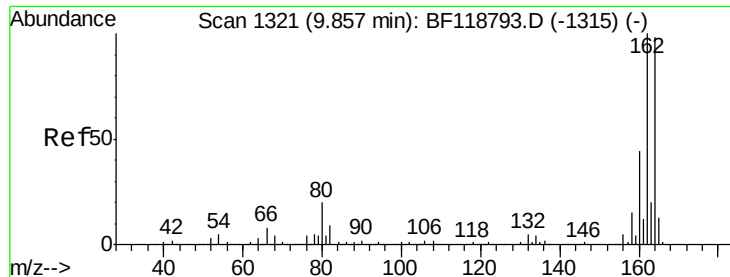
#23
Nitrobenzene-d5
Concen: 66.978 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	887114		
128	50.6		38.5	57.7
54	42.7		36.7	55.1



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





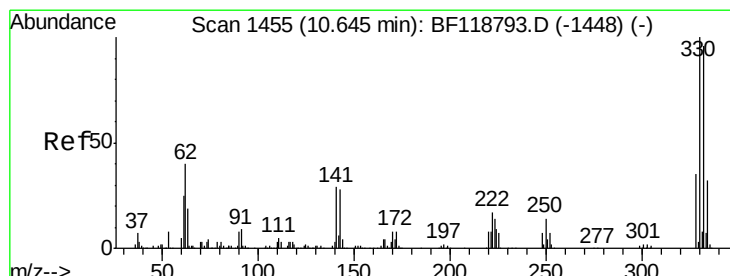
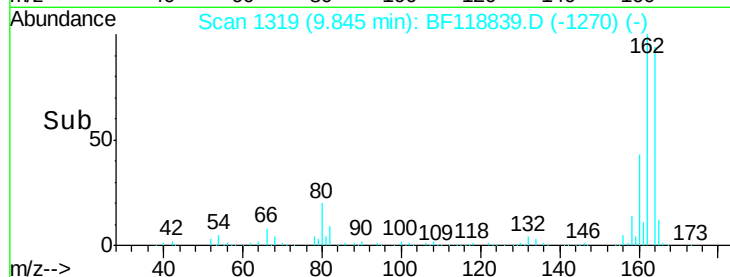
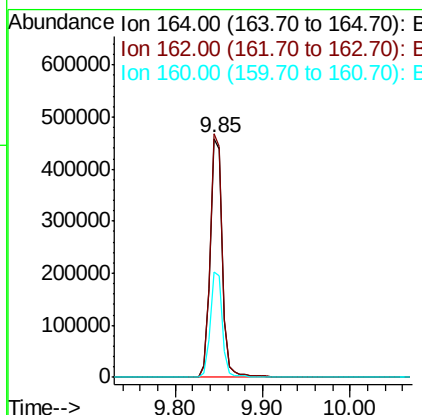
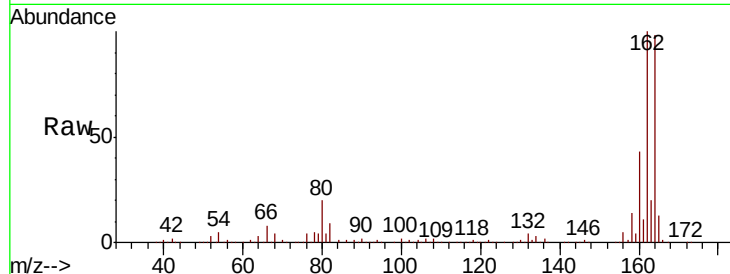
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	81.4	122.2	
160	44.2	35.6	53.4	

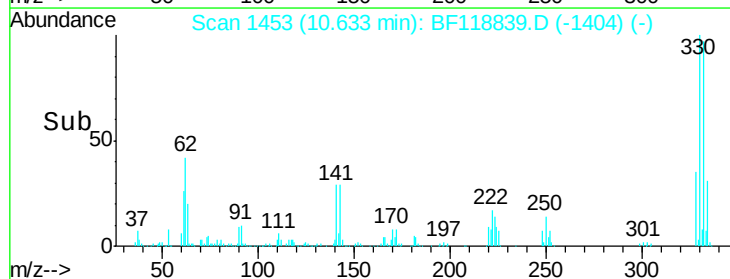
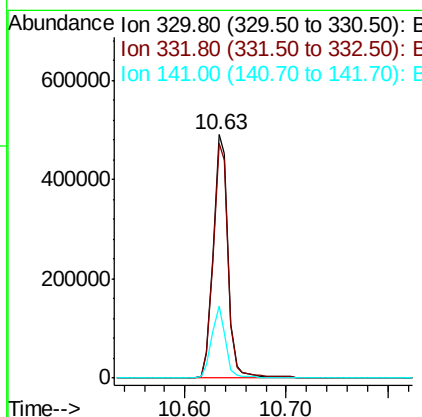
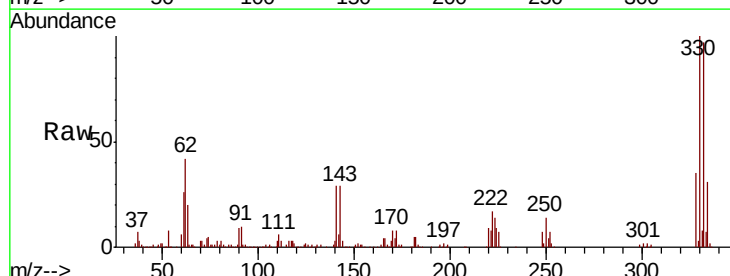
Manual Integrations
 APPROVED

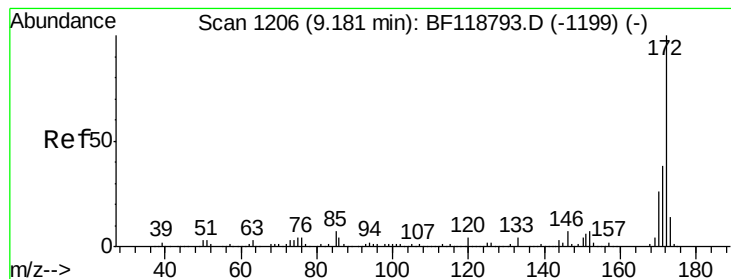
mohammad
 2/10/2020 8:10:55 AM



#42
 2,4,6-Tribromophenol
 Concen: 94.659 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.3	115.9	
141	28.1	22.4	33.6	





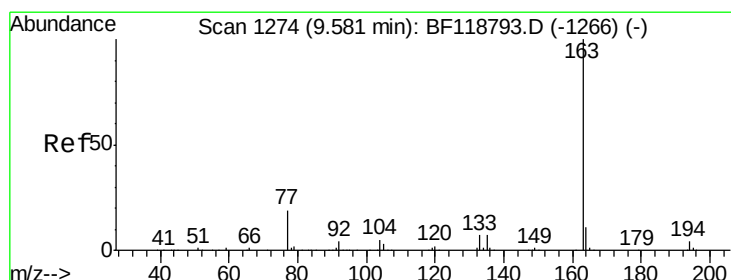
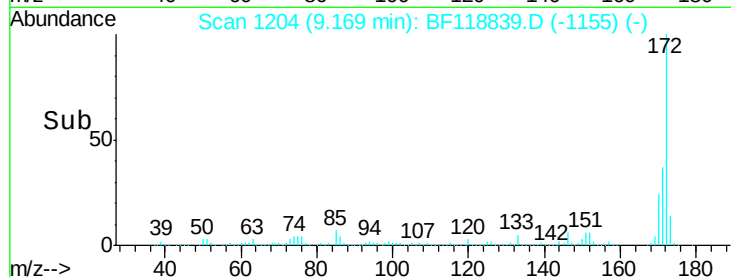
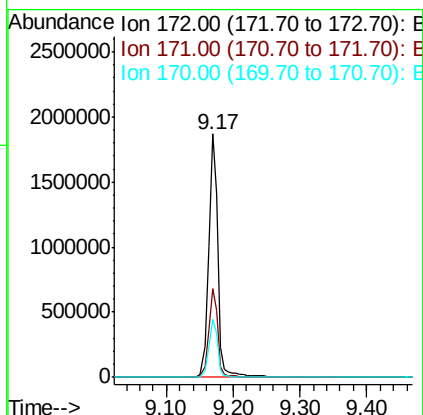
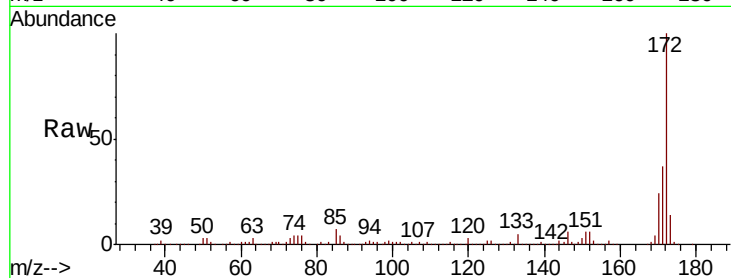
#45
2-Fluorobiphenyl
Concen: 72.819 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

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

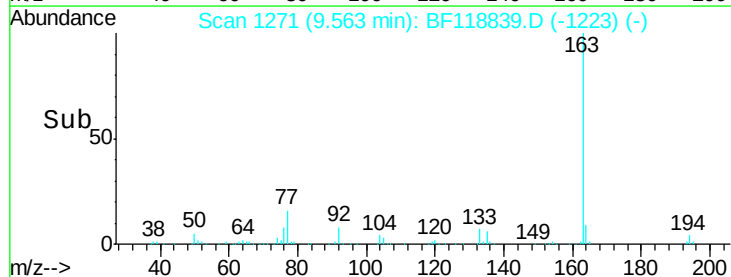
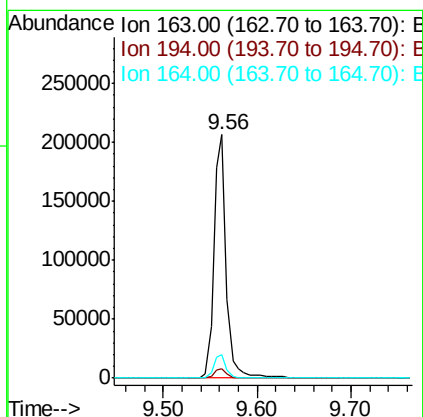
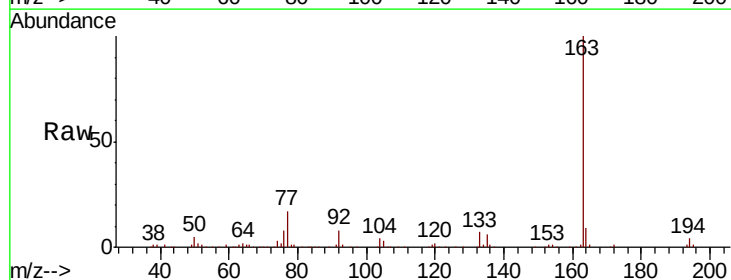
Manual Integrations
APPROVED

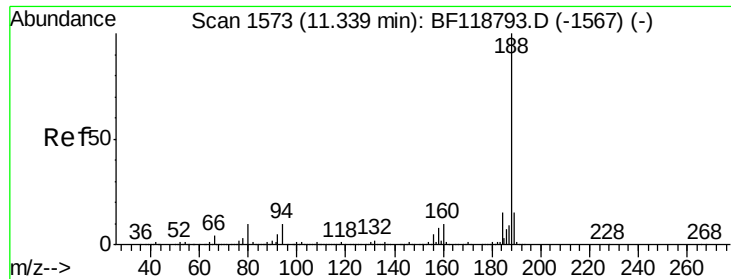
mohammad
2/10/2020 8:10:55 AM



#50
Dimethylphthalate
Concen: 6.328 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	9.4	8.7	13.1





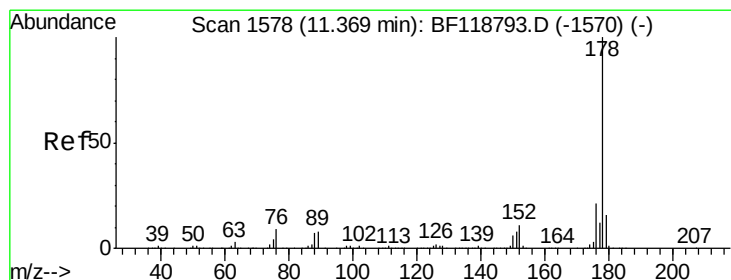
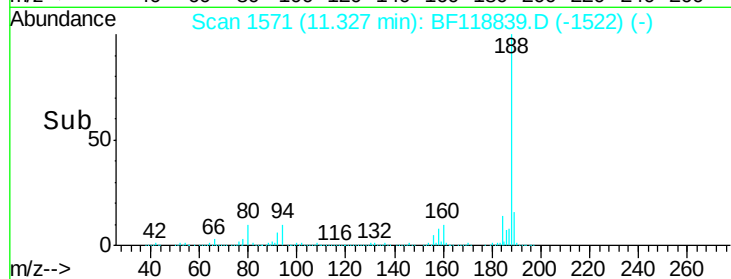
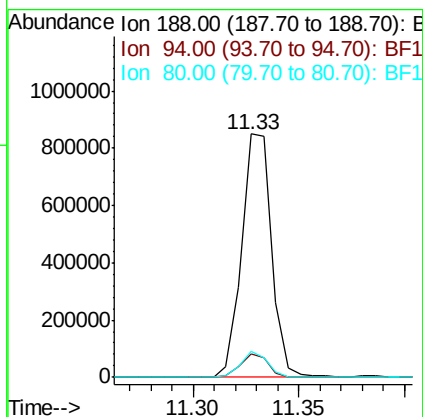
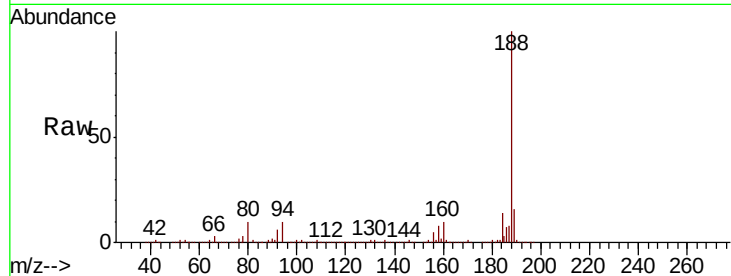
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	833842		
94	9.8		7.9	11.9
80	10.5		8.4	12.6

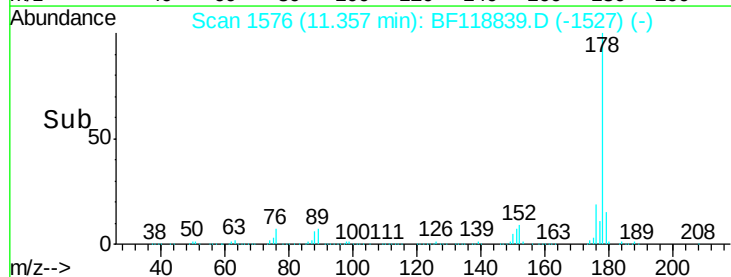
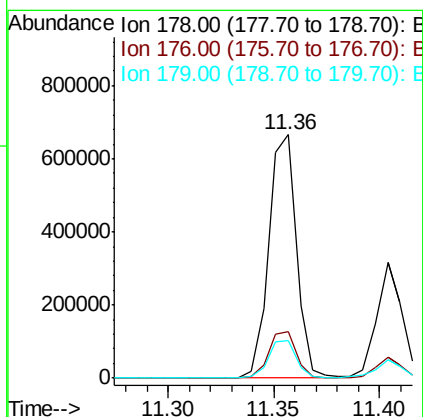
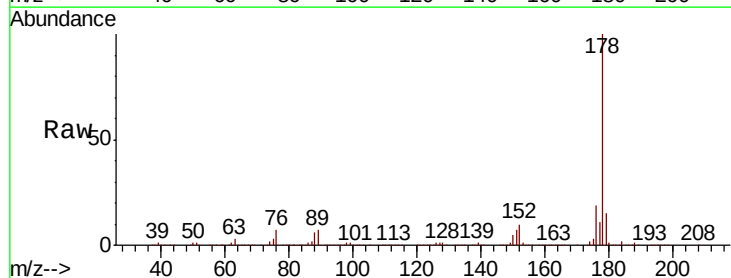
Manual Integrations
APPROVED

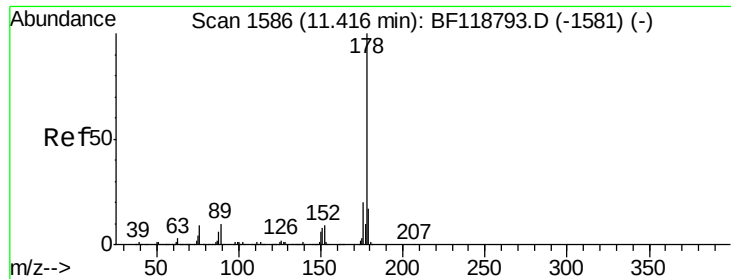
mohammad
2/10/2020 8:10:55 AM



#71
Phenanthrene
Concen: 14.855 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	609436		
176	18.9		16.6	24.8
179	15.2		13.2	19.8





#72

Anthracene

Concen: 6.281 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Instrument :

BNA_F

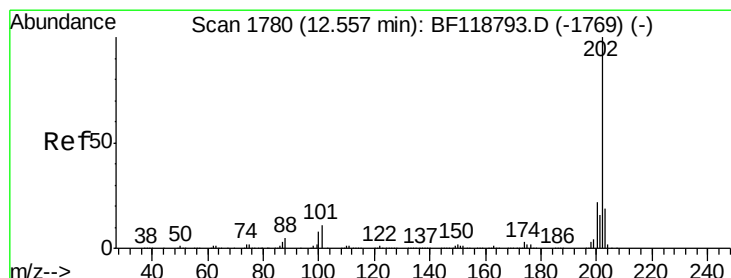
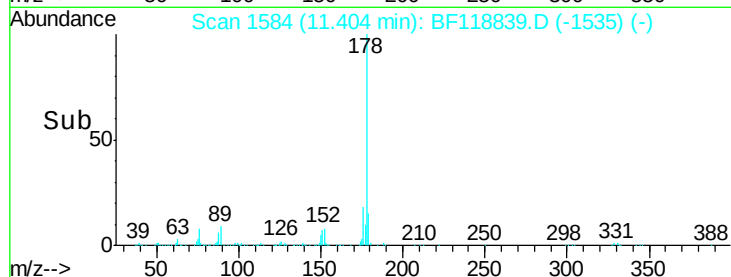
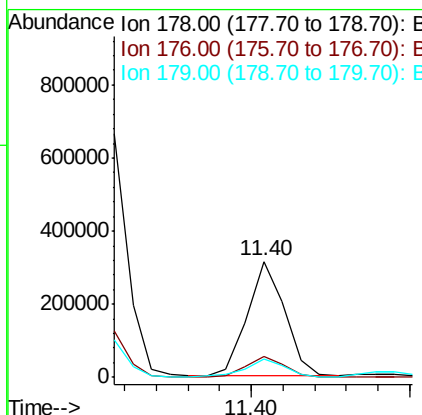
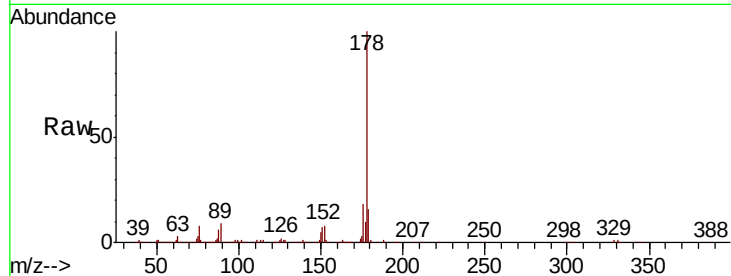
ClientSampleId :

SHORE-RD-PATH-BH-02-B

Tot Ion:	178	Resp:	256340
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.2	24.2
179	15.5	13.4	20.2

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:55 AM



#75

Fluoranthene

Concen: 30.171 ng

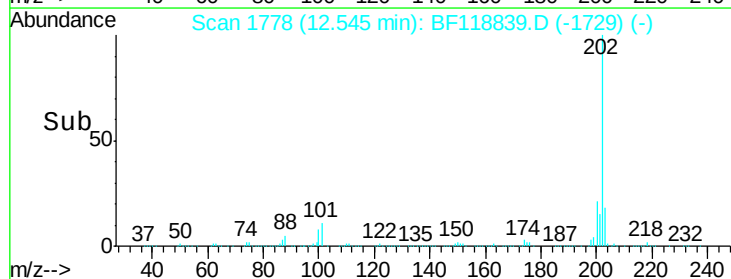
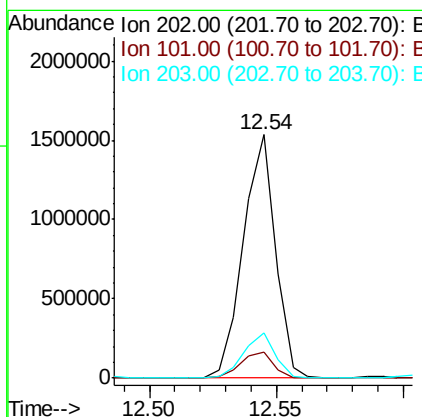
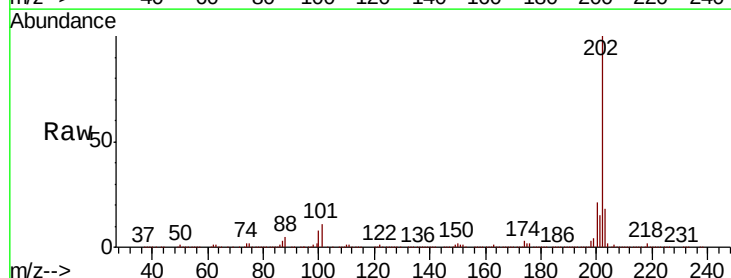
RT: 12.54 min Scan# 1778

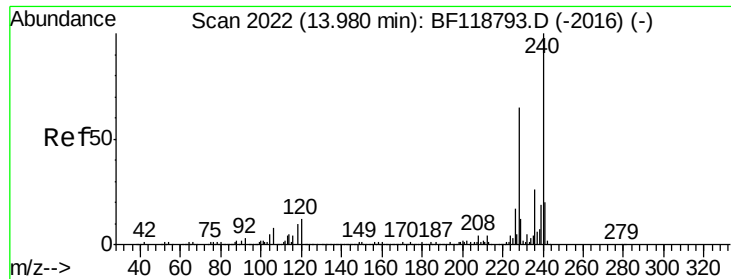
Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Tgt Ion:	202	Resp:	1351470
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.0
203	18.5	0.0	38.7





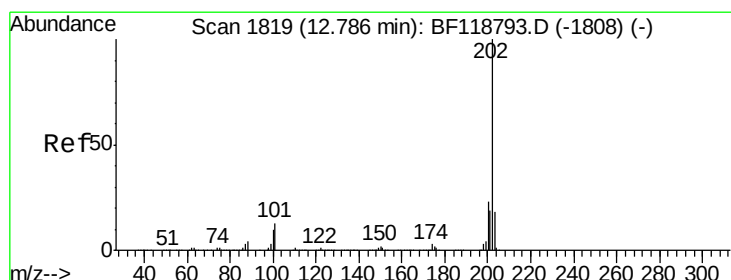
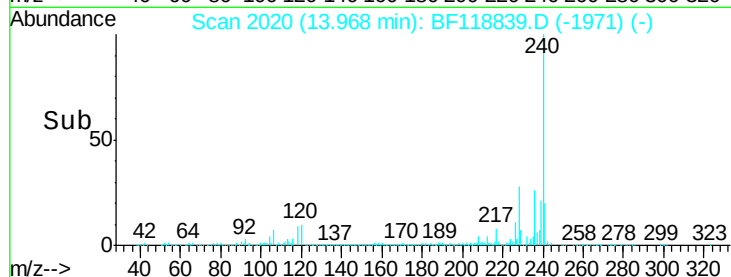
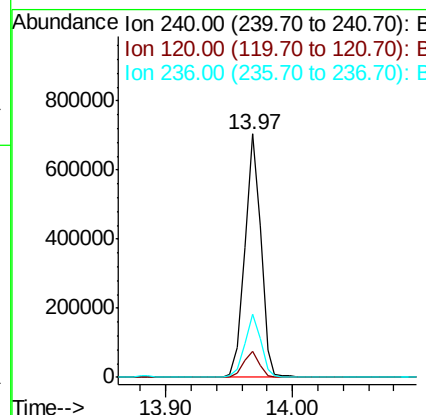
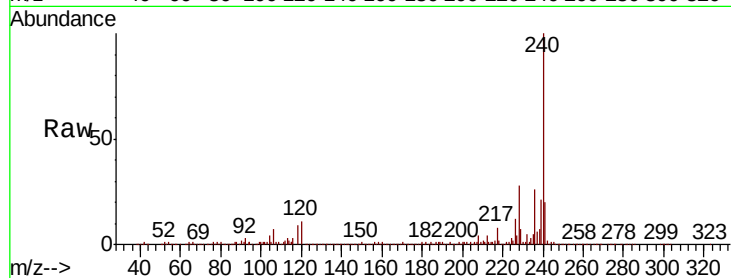
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.4	14.0
236	26.1	21.0	31.6

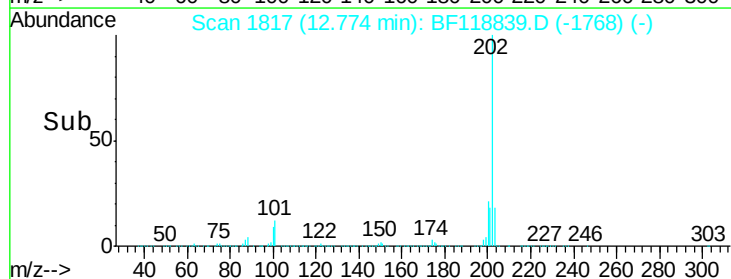
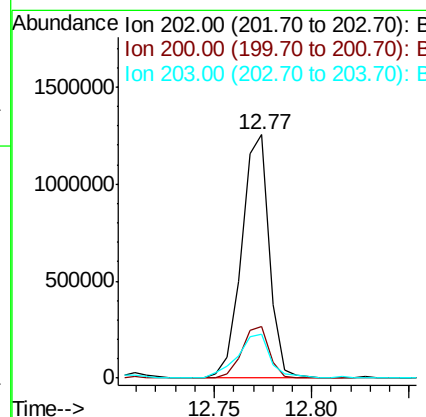
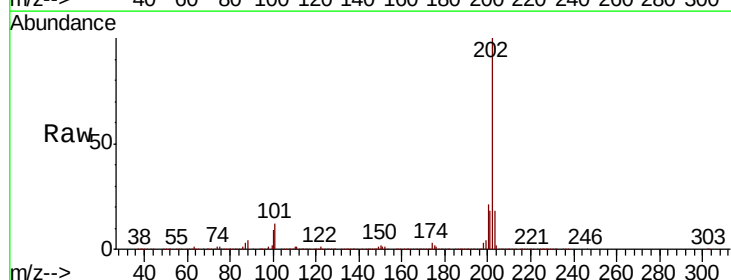
Manual Integrations
APPROVED

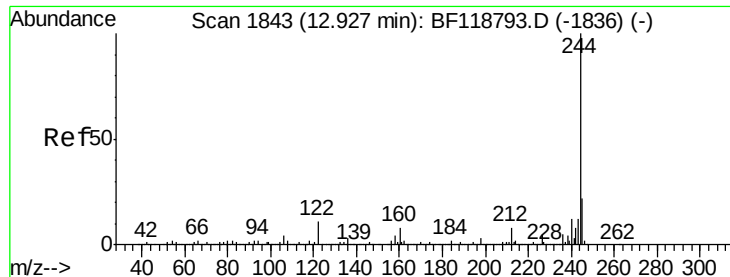
mohammad
2/10/2020 8:10:55 AM



#78
Pyrene
Concen: 29.348 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.2	27.2
203	18.3	14.8	22.2





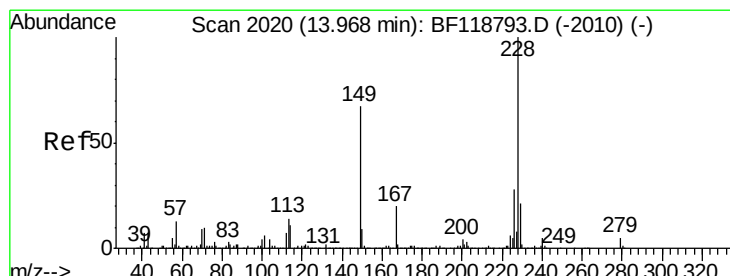
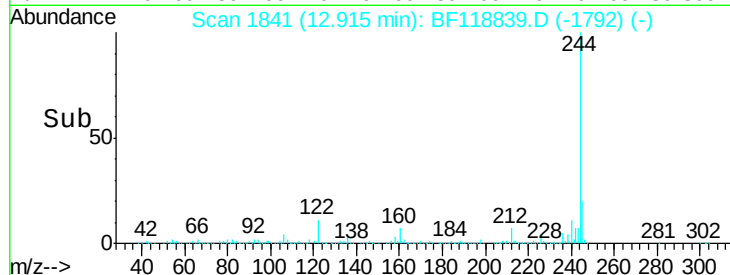
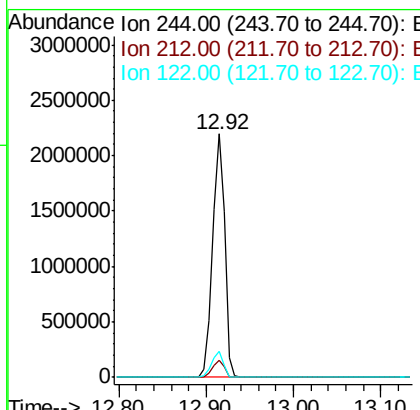
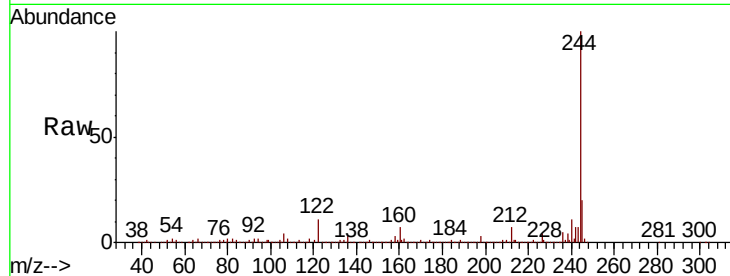
#79
 Terphenyl-d14
 Concen: 71.988 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-02-B

Tot Ion:244 Resp: 2131745
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 10.7 8.9 13.3

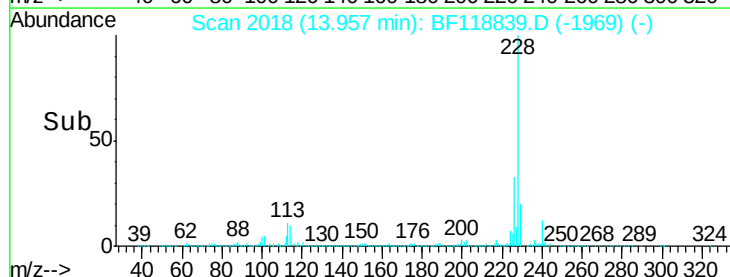
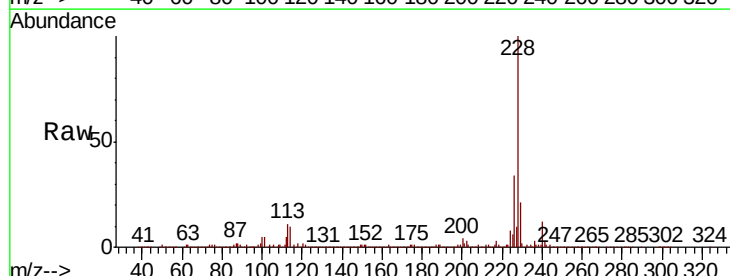
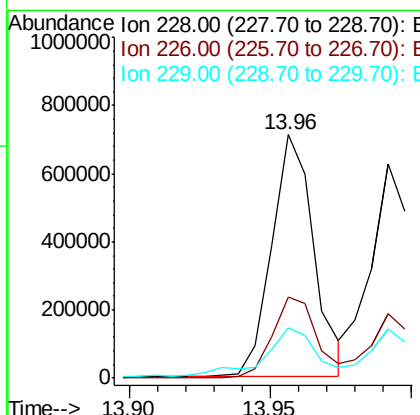
Manual Integrations
 APPROVED

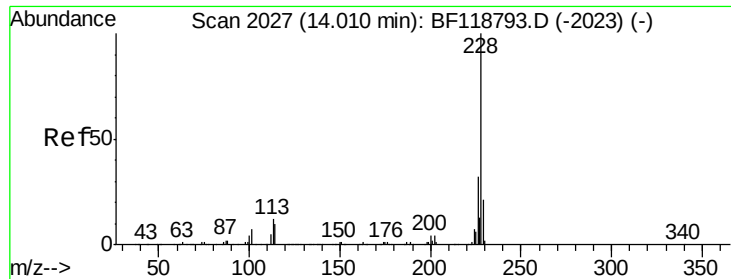
mohammad
 2/10/2020 8:10:55 AM



#81
 Benzo(a)anthracene
 Concen: 20.405 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Tgt Ion:228 Resp: 738565
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.7 34.1
 229 20.8 16.6 25.0





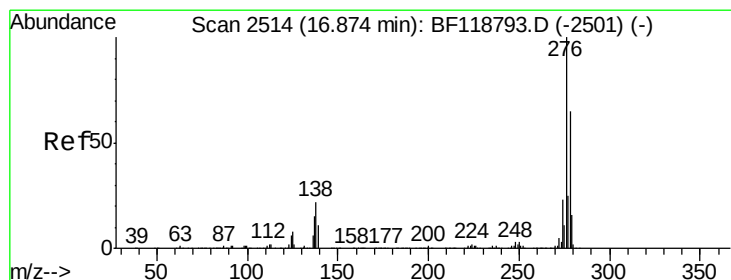
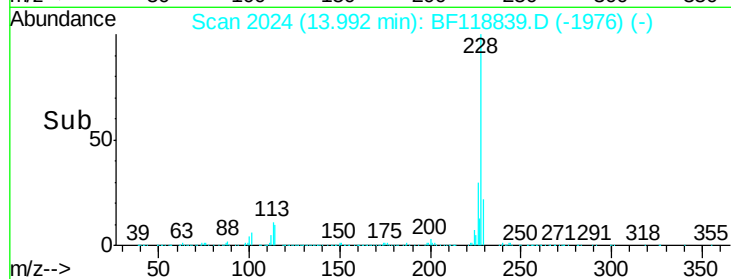
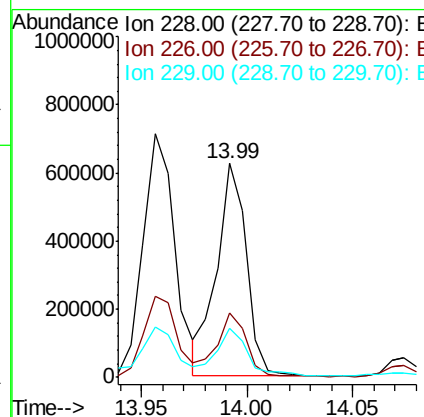
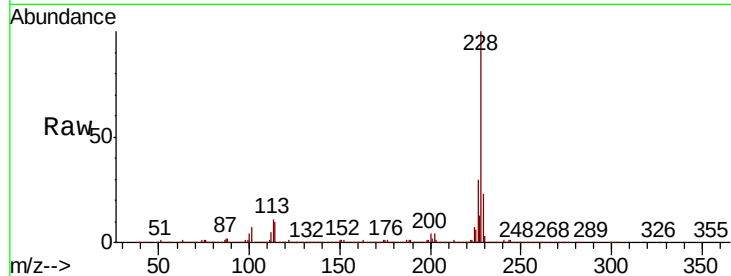
#83
Chrysene
Concen: 16.814 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	22.9	16.9	25.3

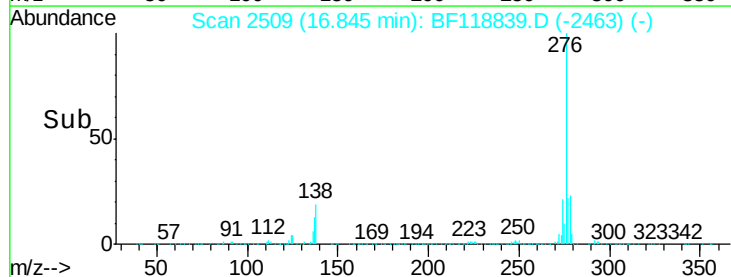
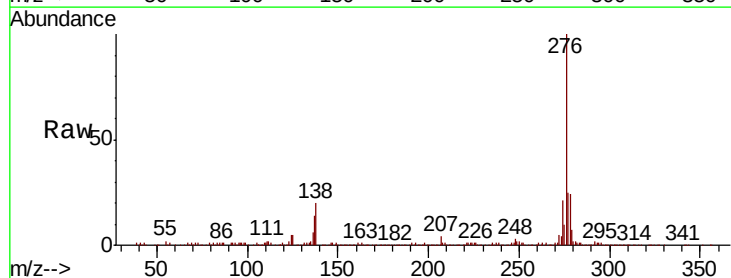
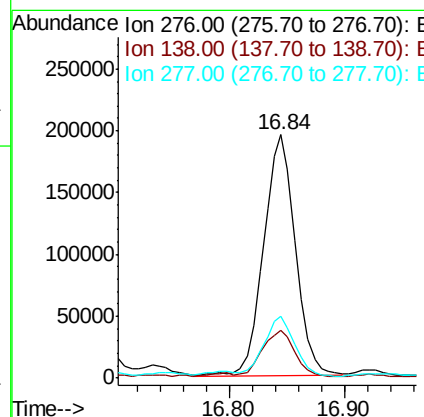
Manual Integrations
APPROVED

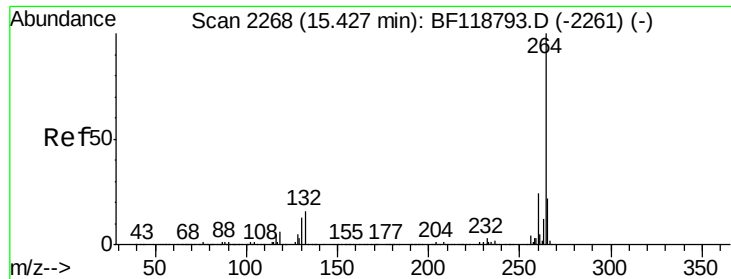
mohammad
2/10/2020 8:10:55 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.256 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.03 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.3	27.5
277	23.9	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Instrument :

BNA_F

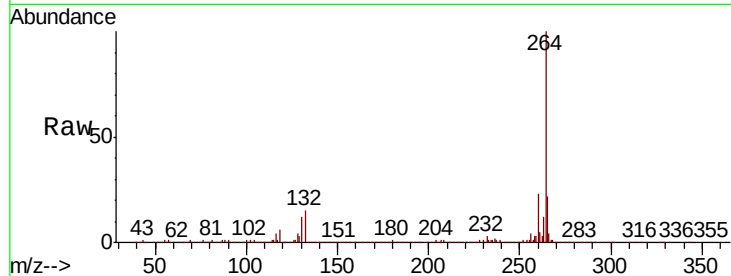
ClientSampleId :

SHORE-RD-PATH-BH-02-B

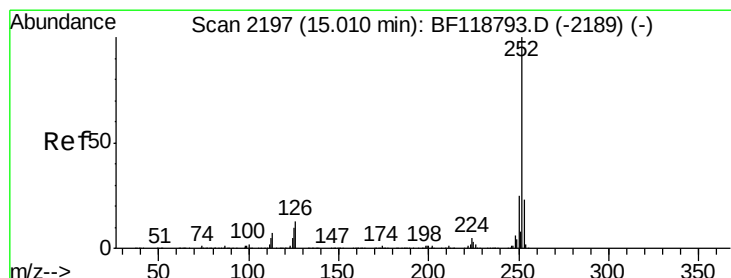
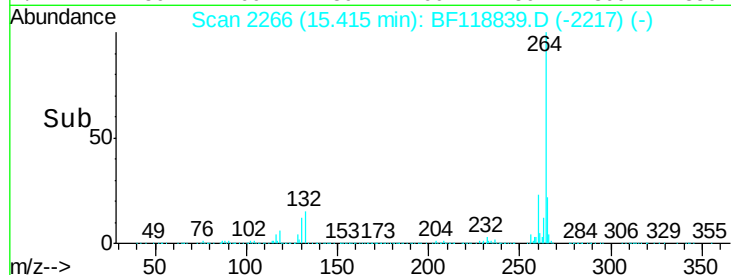
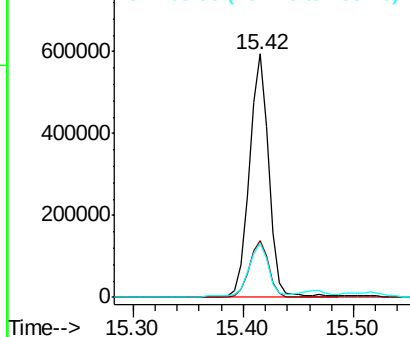
Tot Ion:	264	Resp:	728544
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.1	28.7
265	22.1	17.2	25.8

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:55 AM



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: 18.205 ng m

RT: 15.00 min Scan# 2195

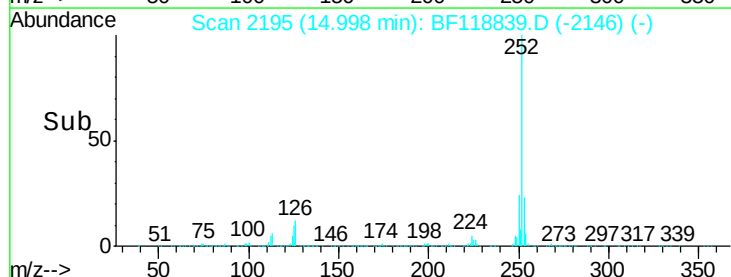
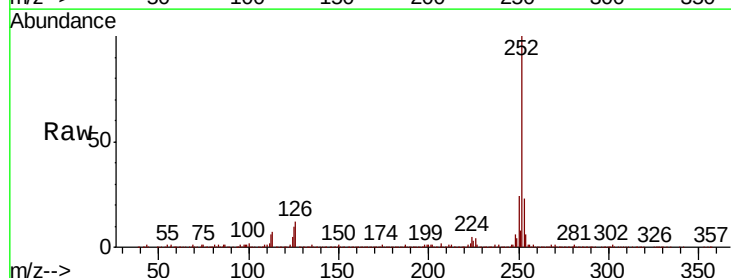
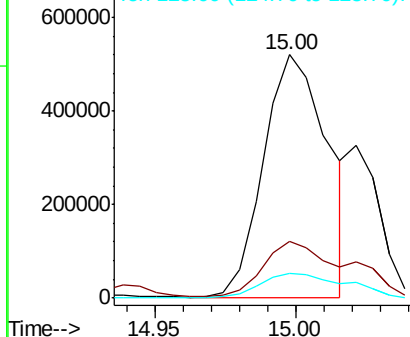
Delta R.T. -0.01 min

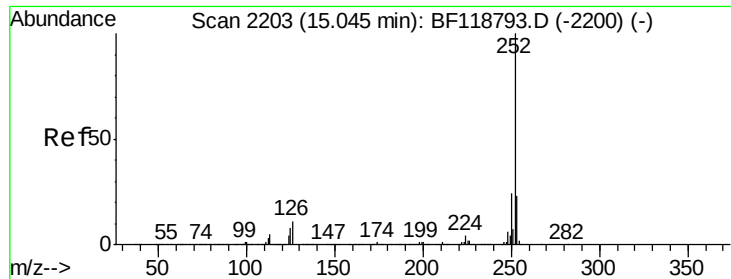
Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Tgt Ion:	252	Resp:	823009
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	10.1	8.1	12.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





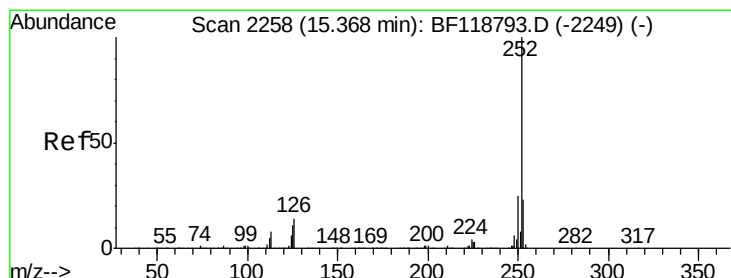
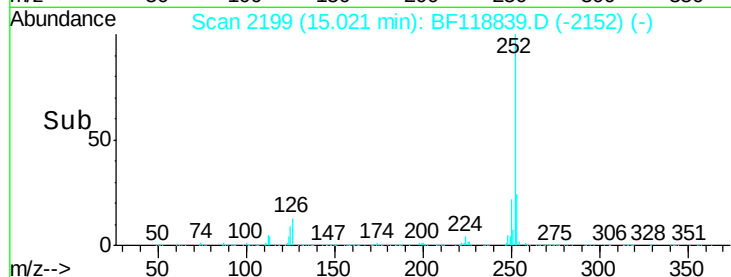
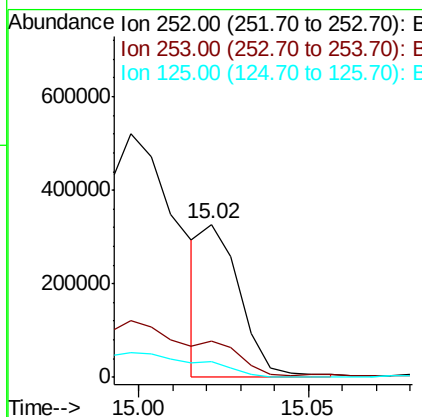
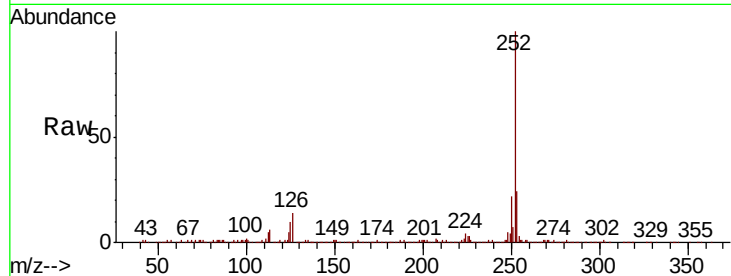
#89
Benzo(k)fluoranthene
Concen: 6.422 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	9.9	7.0	10.6

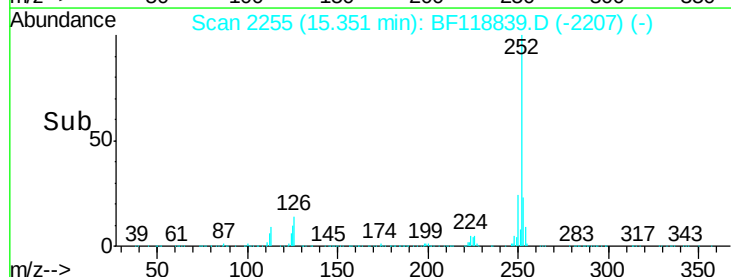
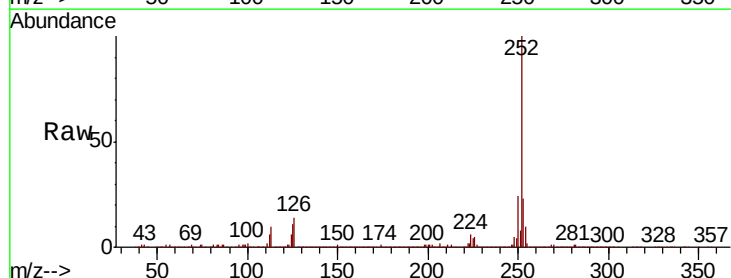
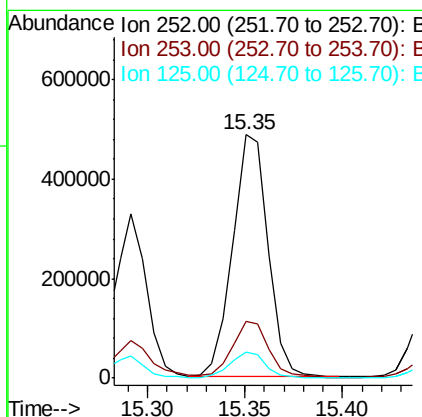
Manual Integrations
APPROVED

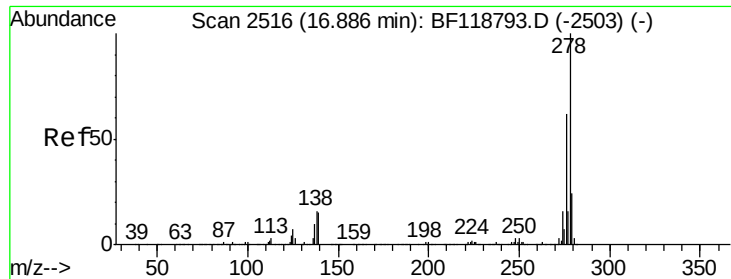
mohammad
2/10/2020 8:10:55 AM



#90
Benzo(a)pyrene
Concen: 15.805 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	10.7	8.7	13.1





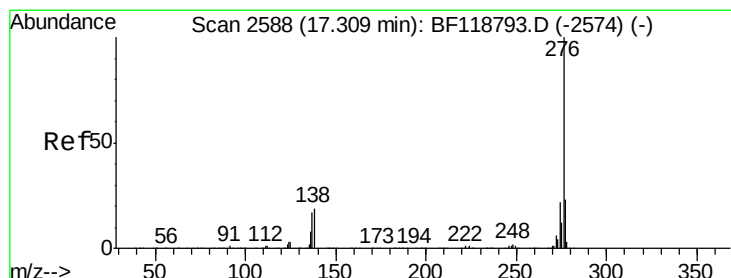
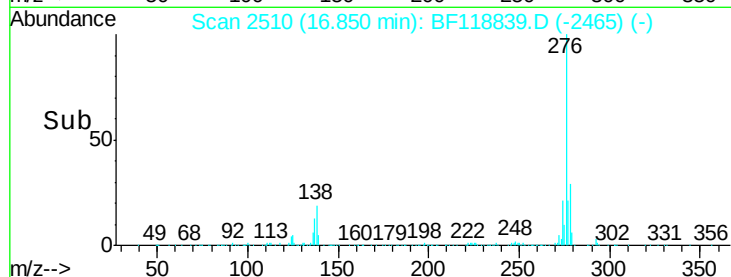
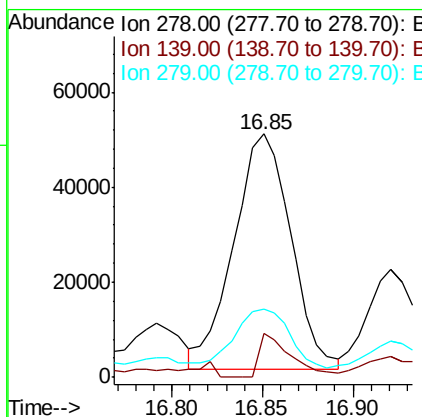
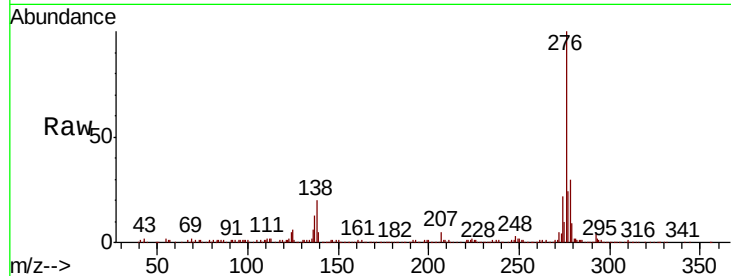
#91
Dibenzo(a,h)anthracene
Concen: 3.153 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	12.3	18.5
279	28.0	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:55 AM



#92
Benzo(g,h,i)perylene
Concen: 9.776 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.7	28.1
138	19.0	15.4	23.2

