

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
 Data File : BF115812.D
 Acq On : 27 Jul 2019 2:46
 Operator : HP/JU
 Sample : K3626-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Manual Integrations
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Quant Time: Jul 27 04:07:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145798	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	504891	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	262946	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	398046	20.00	ng	0.00
76) Chrysene-d12	14.03	240	369971	20.00	ng	0.00
87) Perylene-d12	15.50	264	365884	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	136121	15.27	ng	0.00
7) Phenol-d6	6.50	99	183828	16.25	ng	0.00
23) Nitrobenzene-d5	7.43	82	105501	12.15	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	32792	10.68	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	207427	13.81	ng	-0.01
79) Terphenyl-d14	12.97	244	197003	9.83	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.77	152	60176	2.373	ng	97
52) Acenaphthene	9.94	154	33001	2.015	ng	95
58) Fluorene	10.45	166	67999	4.090	ng	99
71) Phenanthrene	11.42	178	505623	24.781	ng	99
72) Anthracene	11.47	178	210354	9.976	ng	98
75) Fluoranthene	12.61	202	943735	43.770	ng	99
78) Pyrene	12.84	202	869350	27.735	ng	99
81) Benzo(a)anthracene	14.02	228	566657	23.249	ng	97
83) Chrysene	14.06	228	462193	18.890	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	184074	8.855	ng	96
88) Benzo(b)fluoranthene	15.07	252	573584m	24.346	ng	
89) Benzo(k)fluoranthene	15.10	252	203251m	9.676	ng	
90) Benzo(a)pyrene	15.44	252	413945	20.442	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	48477m	2.727	ng	
92) Benzo(a,h,i)perylene	17.43	276	174869	9.863	ng	98

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

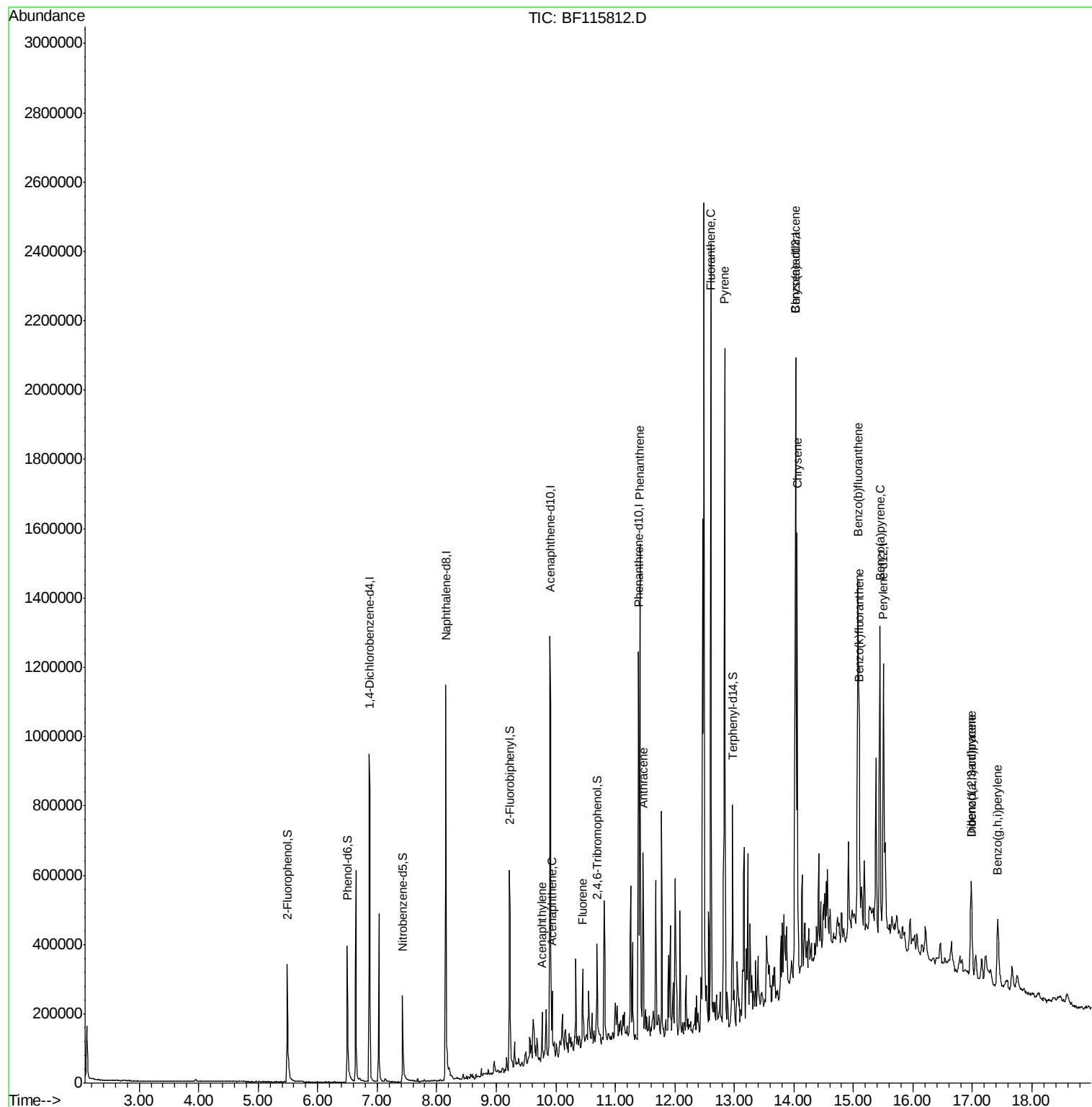
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
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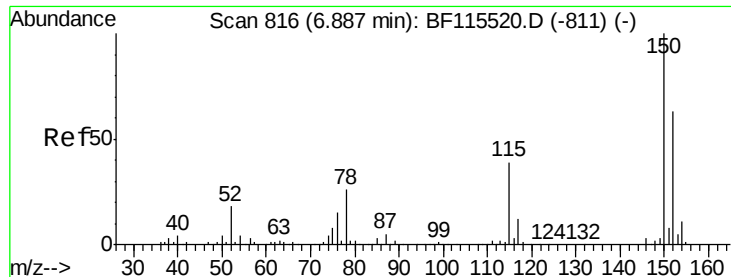
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

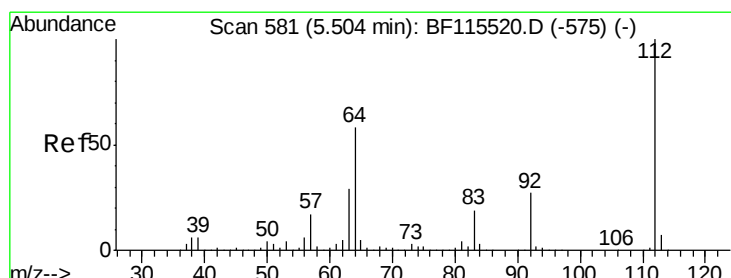
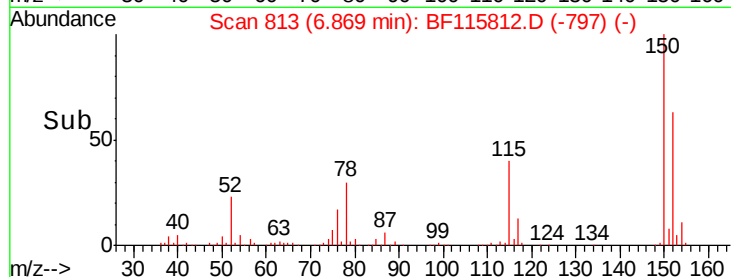
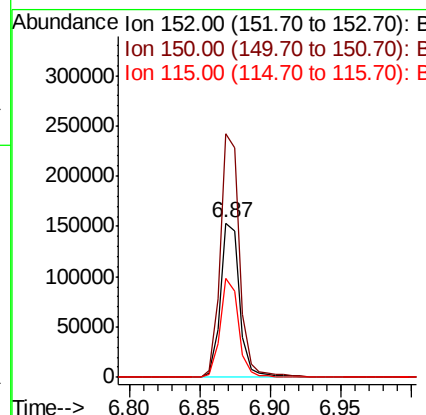
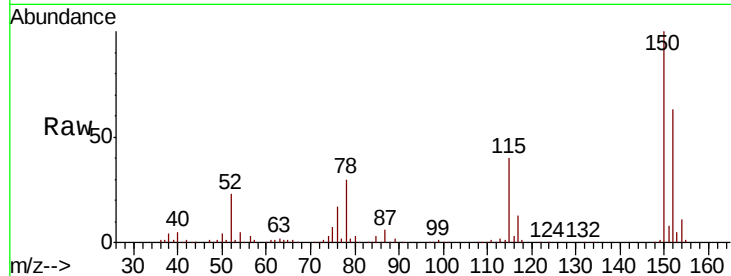
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.6	189.8
115	63.9	47.8	71.6

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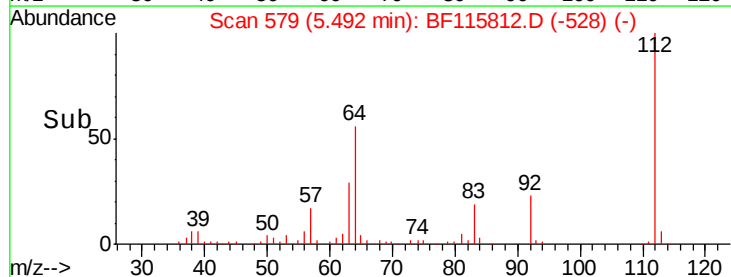
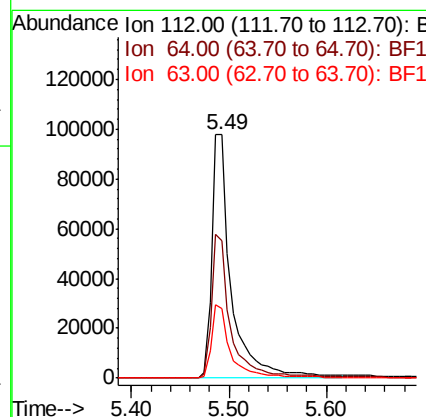
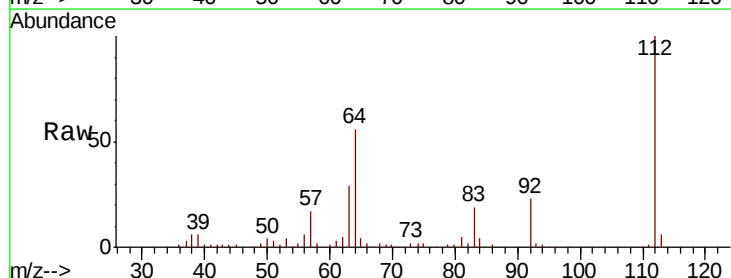
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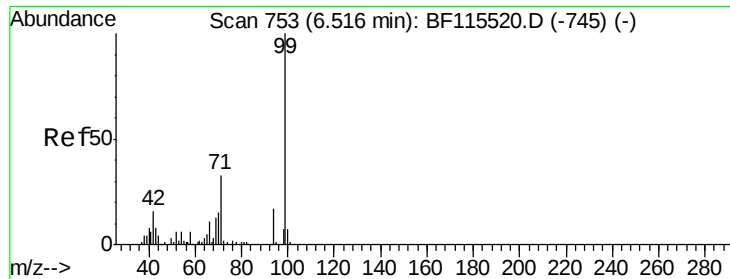


#5

2-Fluorophenol
Concen: 15.271 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.8	68.8
63	28.7	23.6	35.4





#7

Phenol-d6

Concen: 16.253 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Instrument :

BNA_F

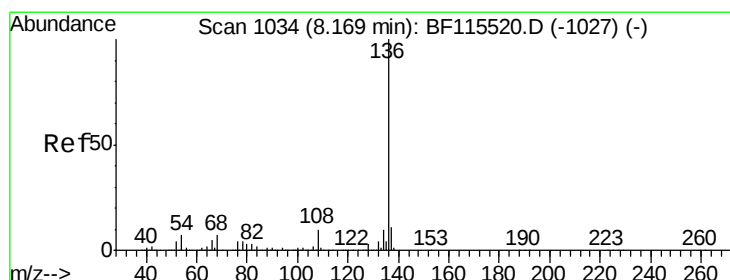
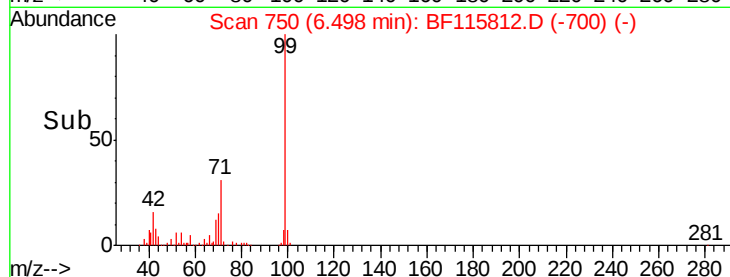
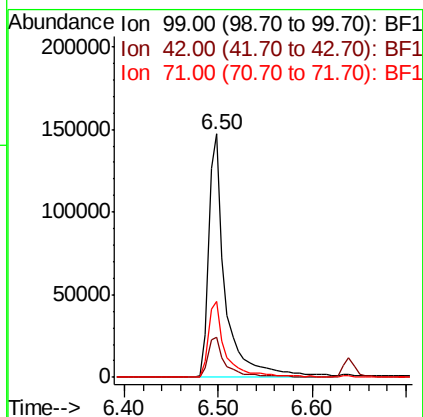
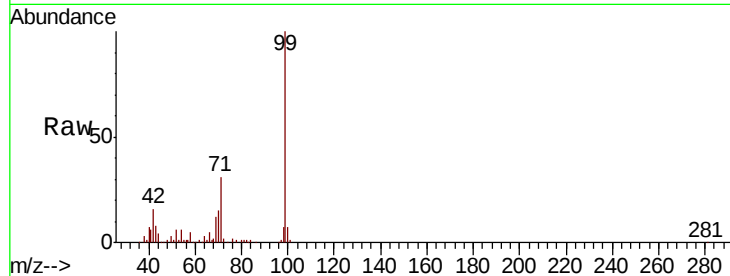
ClientSampleId :

SU-01-072519-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		183828		
42	16.5	13.4	20.2		
71	31.2	26.7	40.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

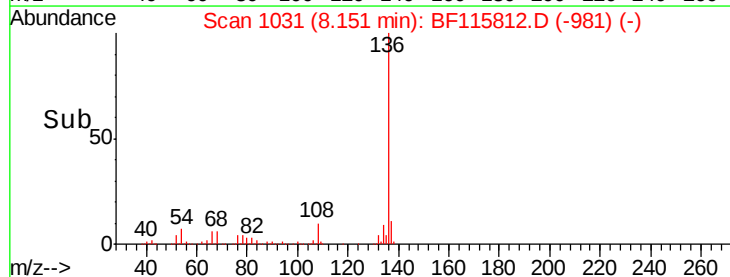
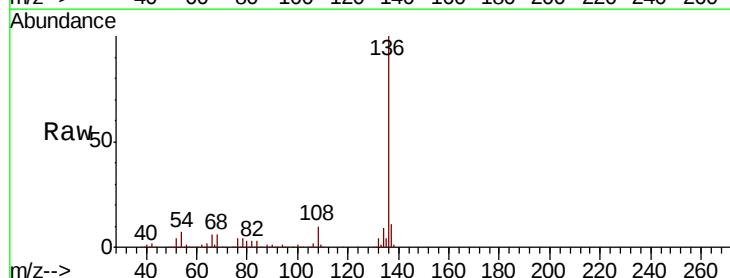
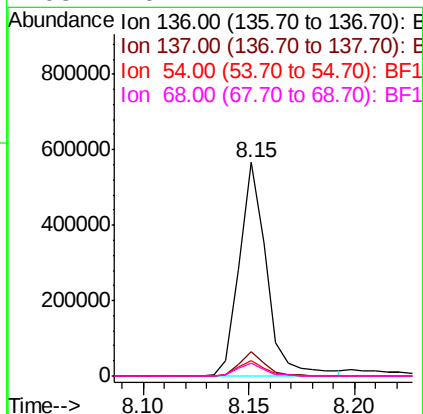
RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		504891		
137	11.2	8.7	13.1		
54	7.3	5.0	7.6		
68	6.1	4.7	7.1		





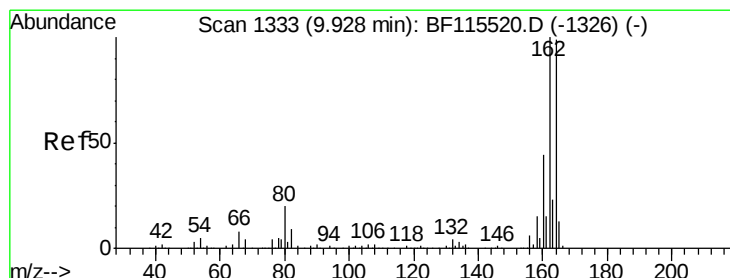
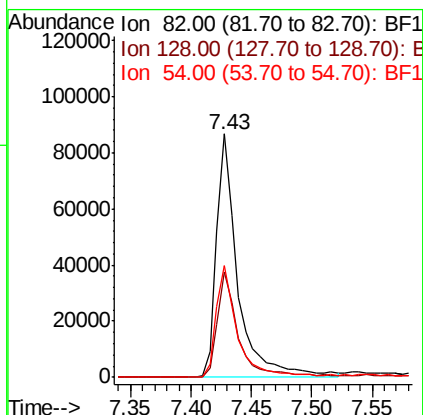
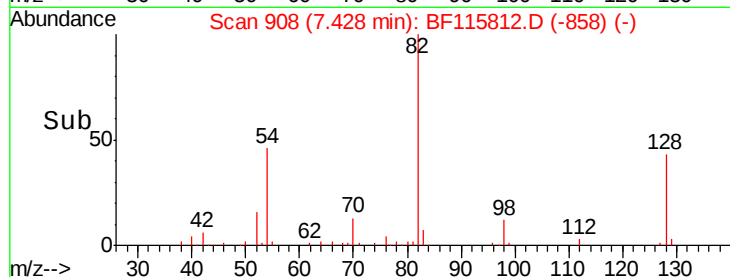
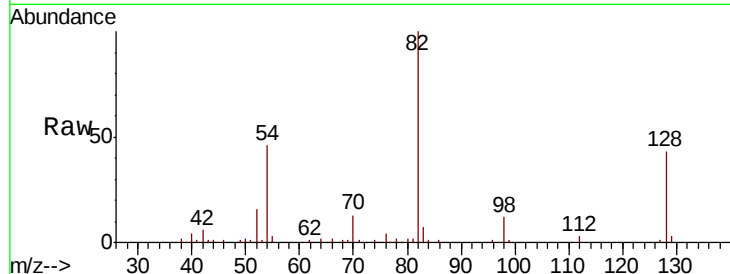
#23
Nitrobenzene-d5
Concen: 12.150 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	105501		
128	43.4	36.6	55.0	
54	45.9	36.6	54.8	

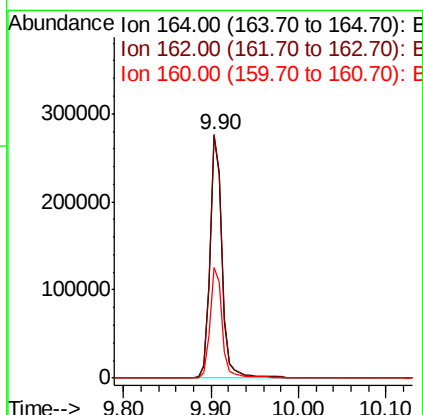
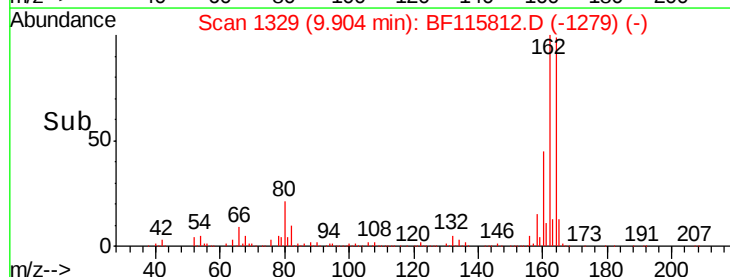
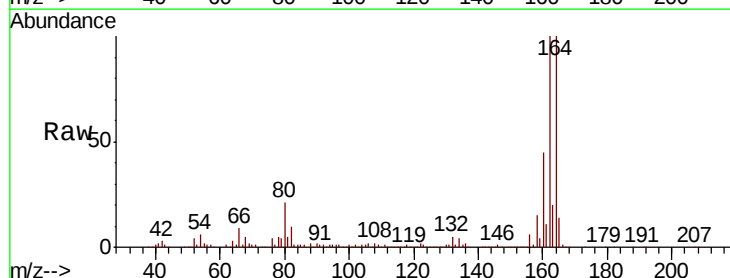
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	262946		
162	100.4	81.8	122.6	
160	45.5	37.5	56.3	





#42

2,4,6-Tribromophenol

Concen: 10.684 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Instrument :

BNA_F

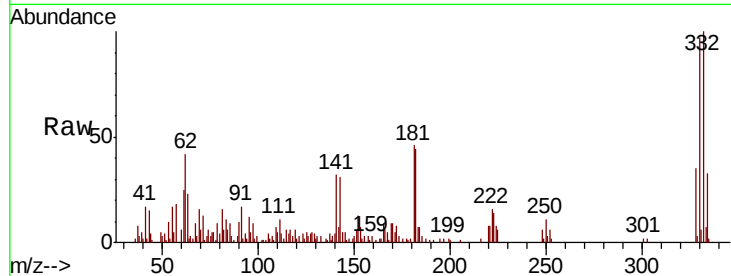
ClientSampleId :

SU-01-072519-B

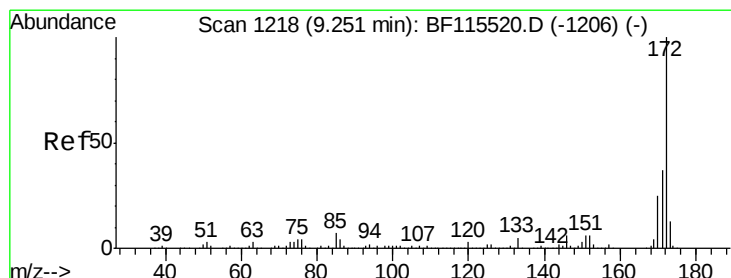
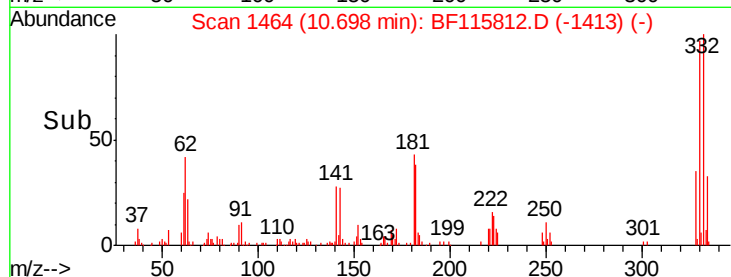
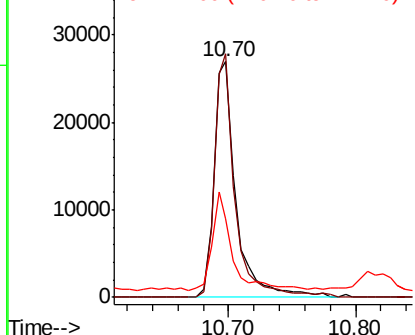
Tot Ion:	330	Resp:	32792
Ion Ratio	Lower	Upper	
330	100		
332	97.8	76.1	114.1
141	37.4	25.9	38.9

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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: 13.807 ng

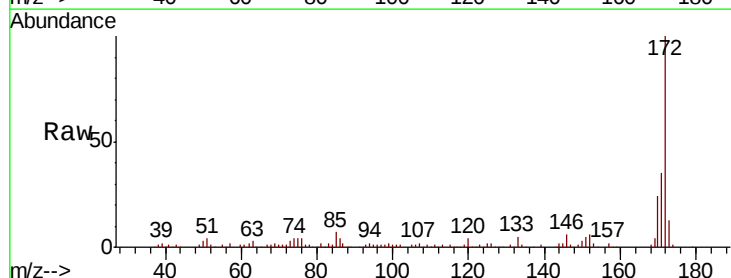
RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

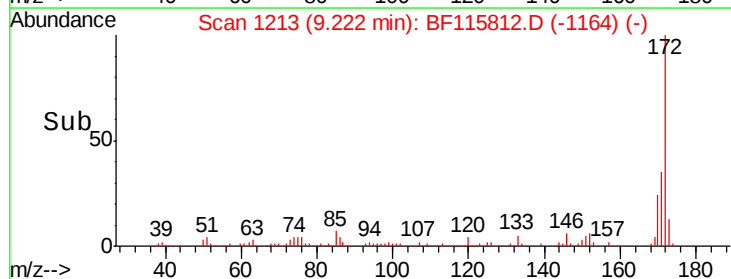
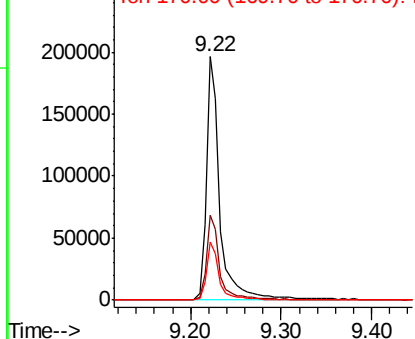
Lab File: BF115812.D

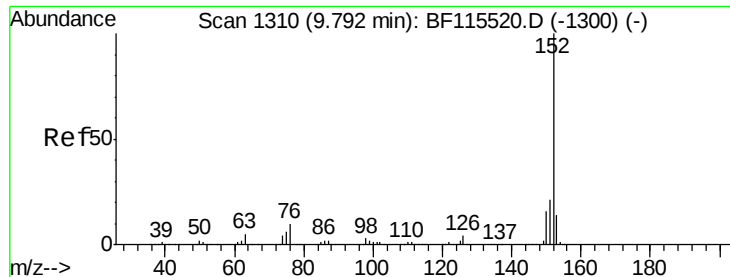
Acq: 27 Jul 2019 2:46

Tgt Ion:	172	Resp:	207427
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.0	43.4
170	23.7	20.1	30.1



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





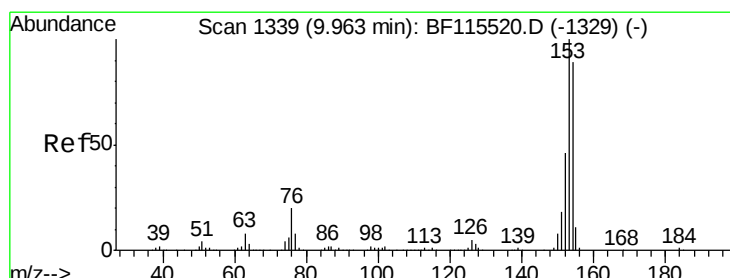
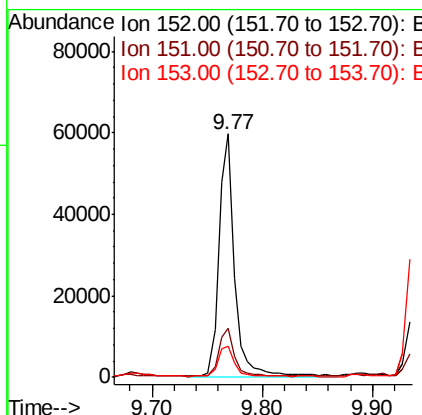
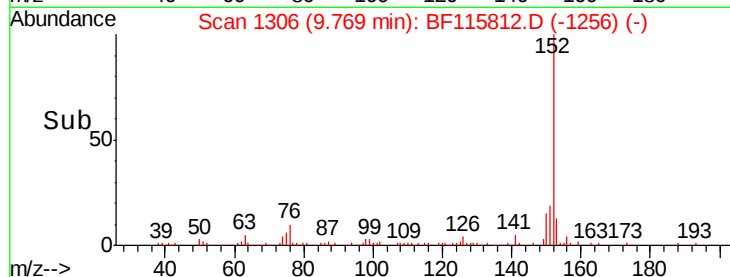
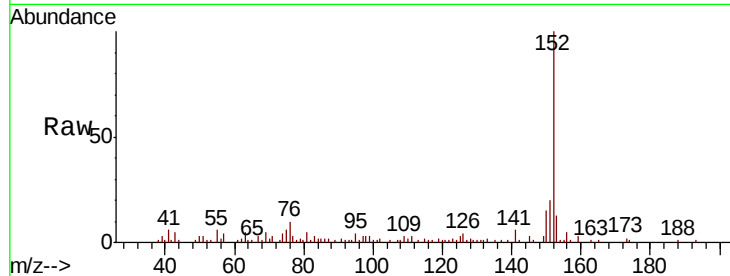
#49
Acenaphthylene
Concen: 2.373 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.9	25.3
153	12.9	11.5	17.3

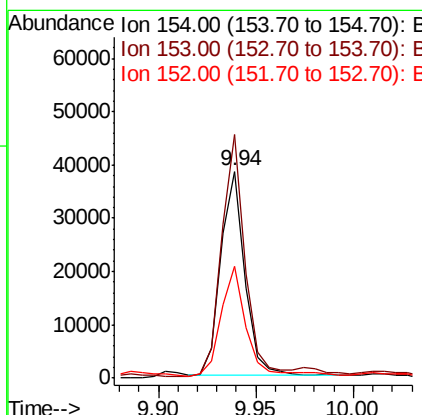
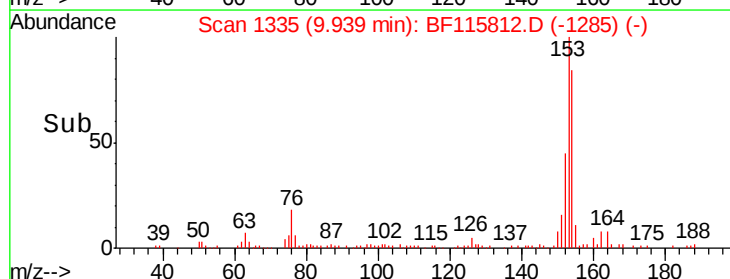
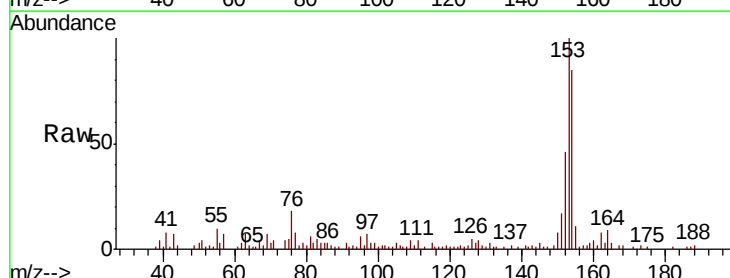
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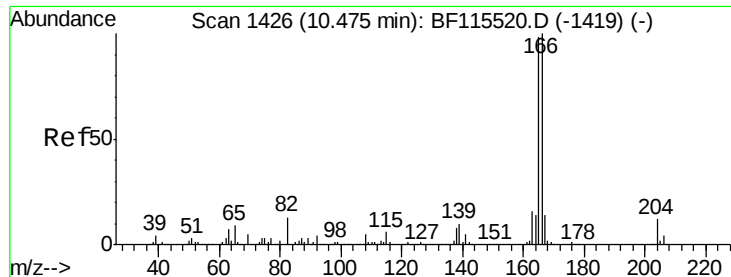
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#52
Acenaphthene
Concen: 2.015 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.6	88.1	132.1
152	53.9	42.0	63.0





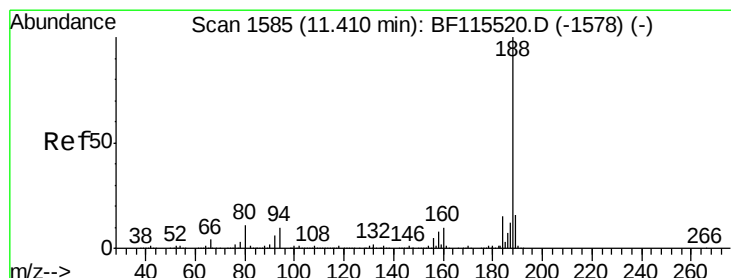
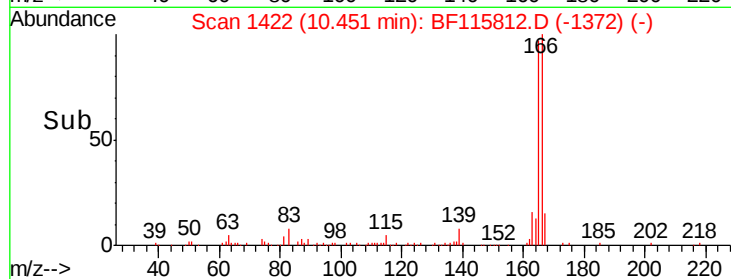
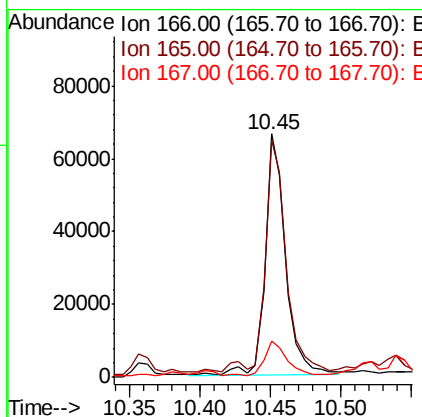
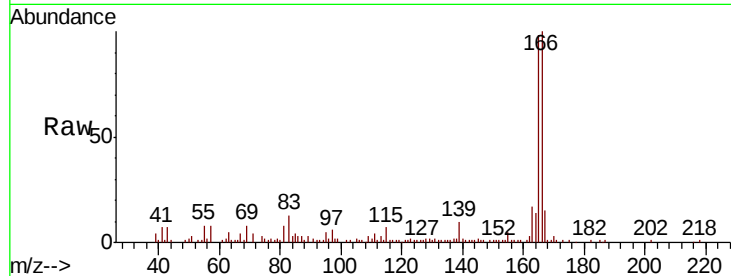
#58
 Fluorene
 Concen: 4.090 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		67999		
165	97.5	79.0		118.4	
167	15.1	11.0		16.6	

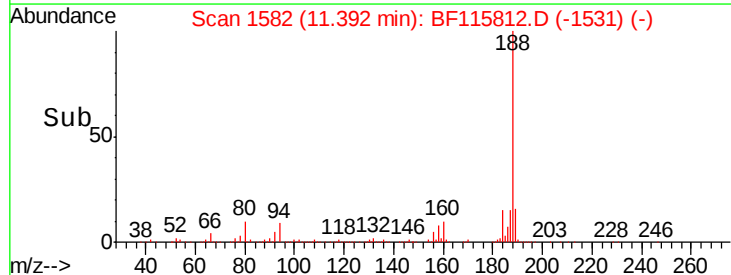
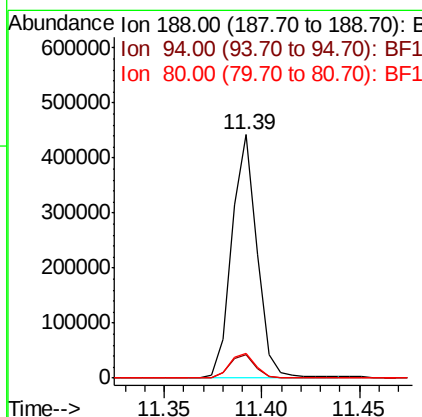
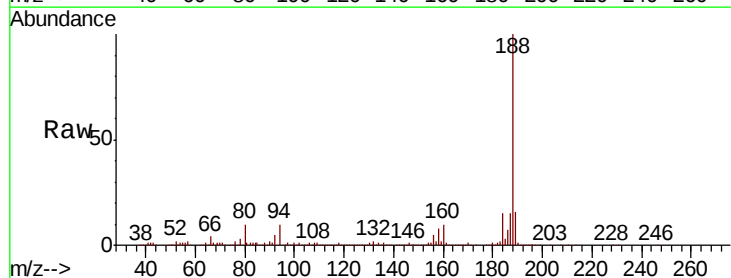
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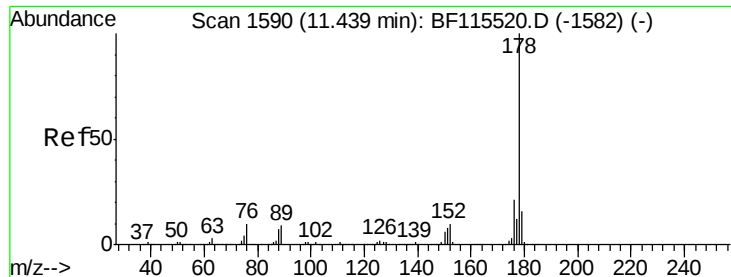
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		398046		
94	9.6	8.2		12.2	
80	10.1	9.0		13.6	





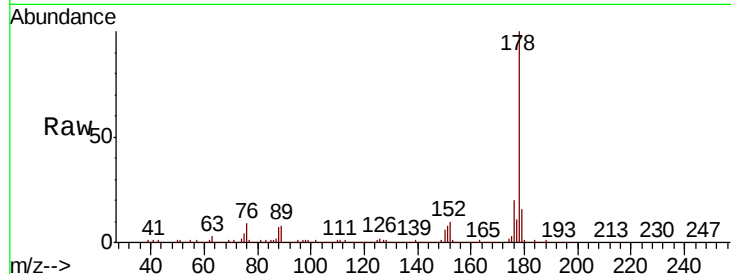
#71
Phenanthrene
Concen: 24.781 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

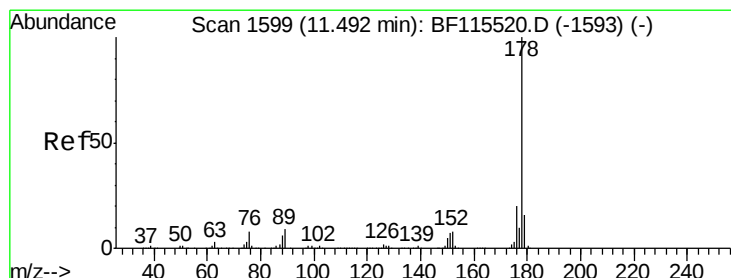
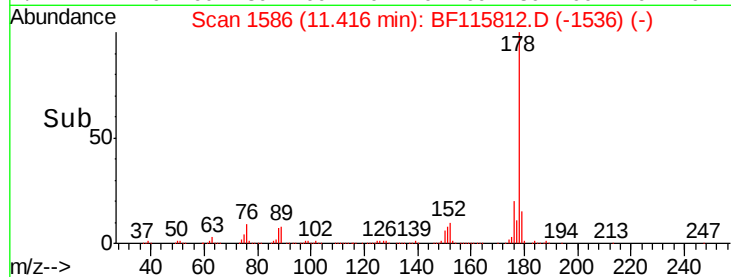
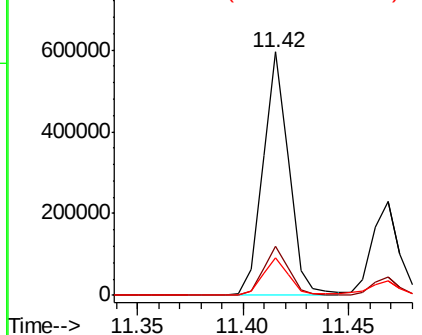
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.4	24.6
179	15.5	12.7	19.1

Manual Integrations
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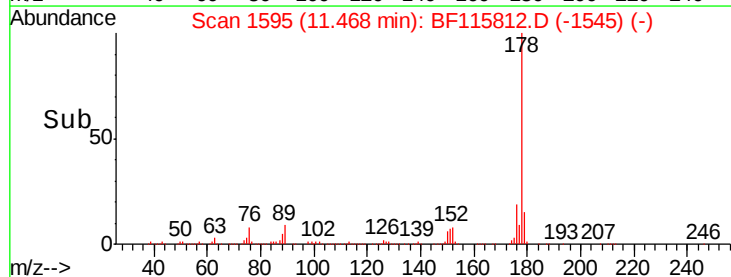
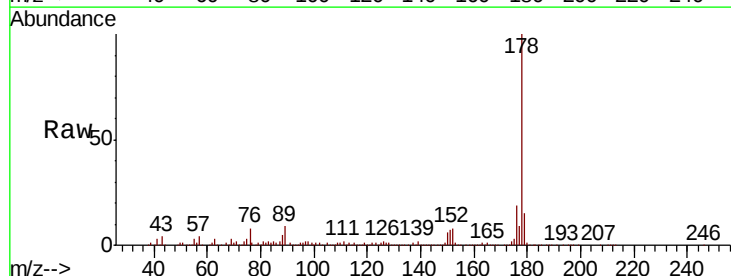
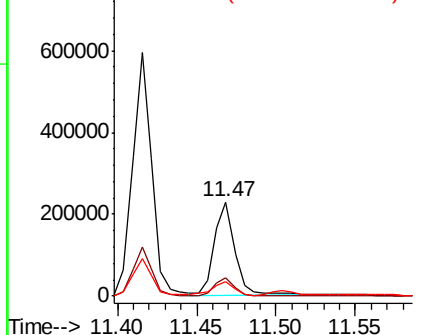
Abundance Ion 178.00 (177.70 to 178.70): E
800000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

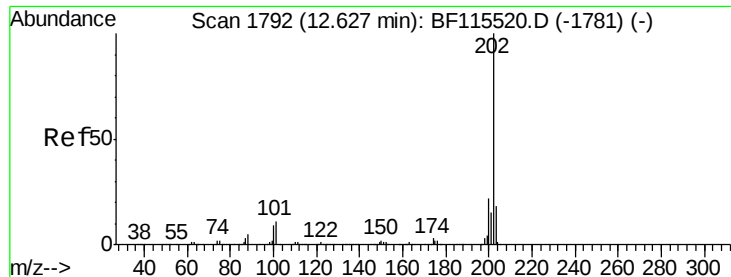


#72
Anthracene
Concen: 9.976 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.1	24.1
179	15.4	12.6	18.8

Abundance Ion 178.00 (177.70 to 178.70): E
800000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 43.770 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Instrument :

BNA_F

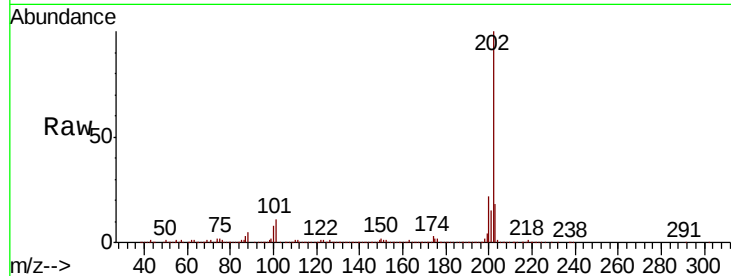
ClientSampleId :

SU-01-072519-B

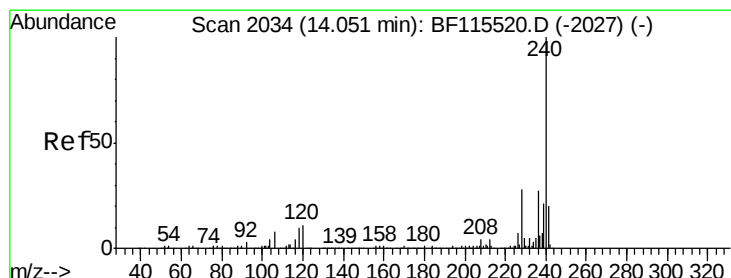
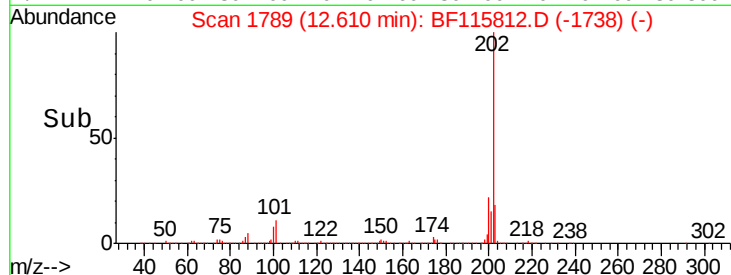
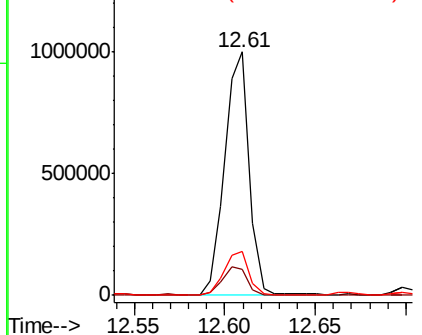
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.8	0.0	31.6		
203	17.9	0.0	38.0		

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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

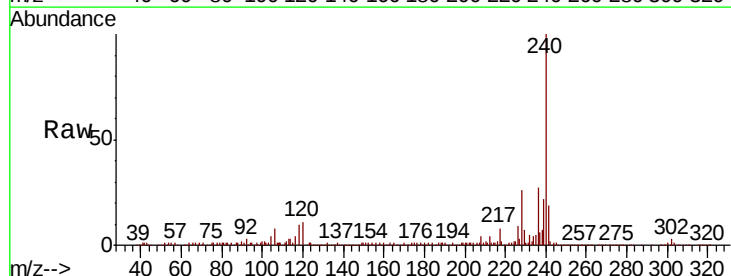
RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

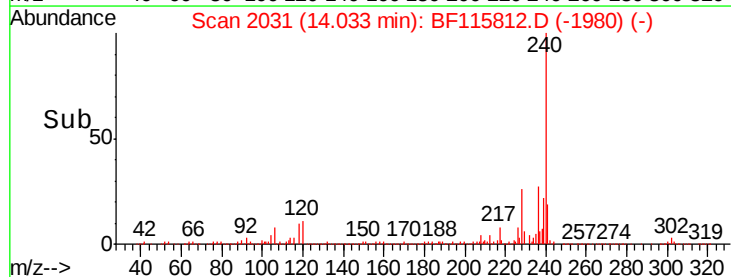
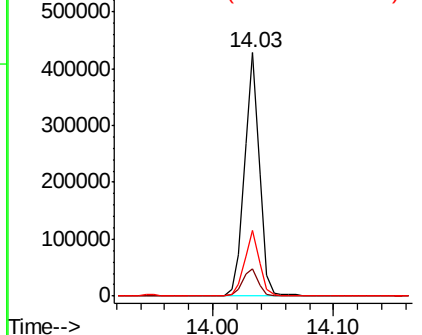
Lab File: BF115812.D

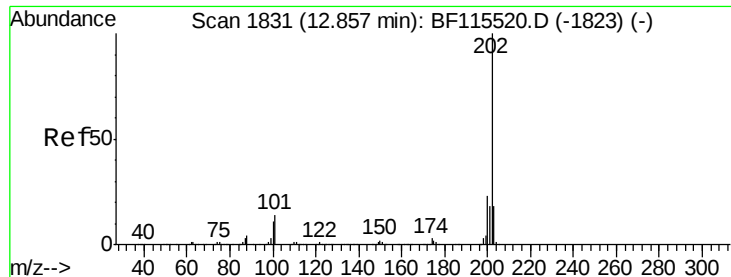
Acq: 27 Jul 2019 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.2	10.0	15.0		
236	26.8	21.8	32.6		



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





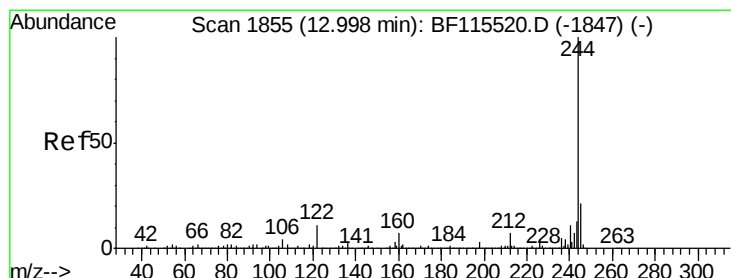
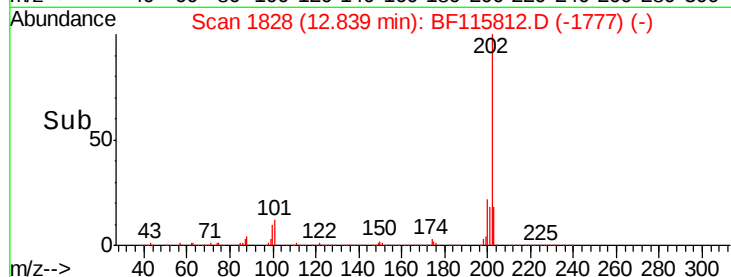
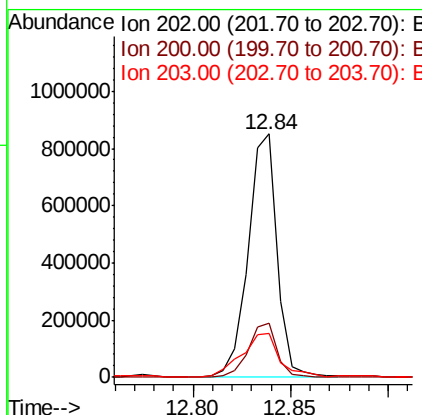
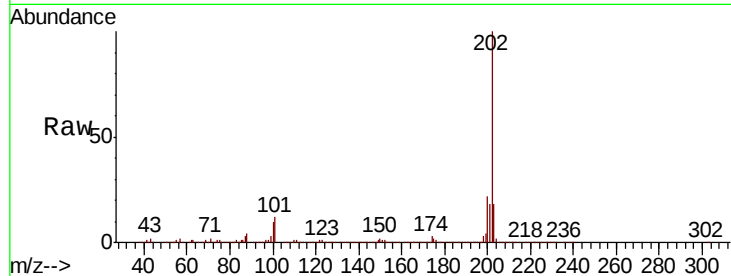
#78
Pvrene
Concen: 27.735 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.4
203	18.1	14.6	21.8

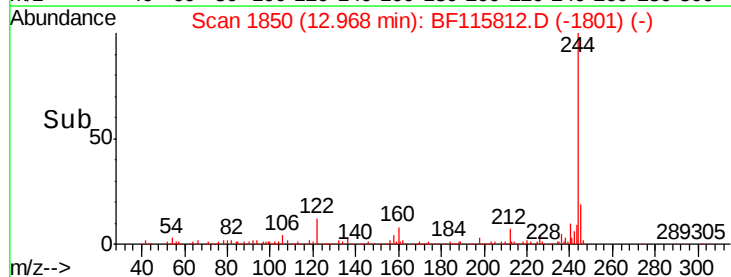
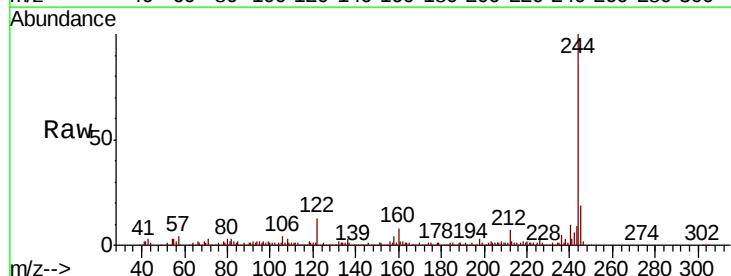
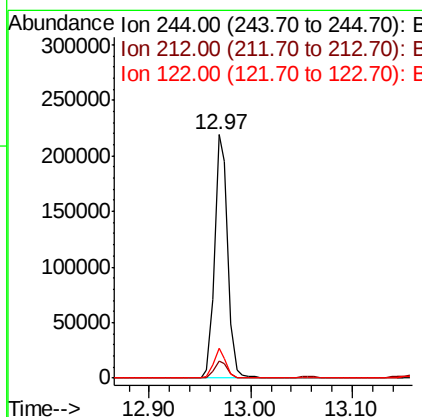
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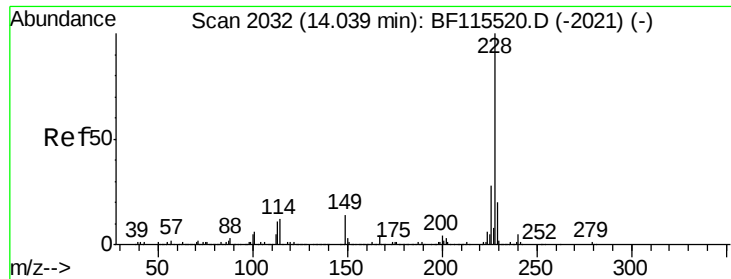
mohammad
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#79
Terphenyl-d14
Concen: 9.825 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	12.5	8.2	12.4#





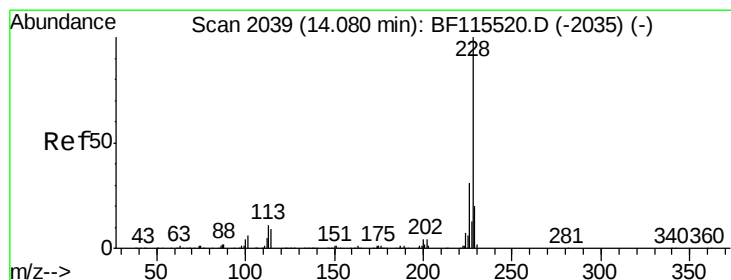
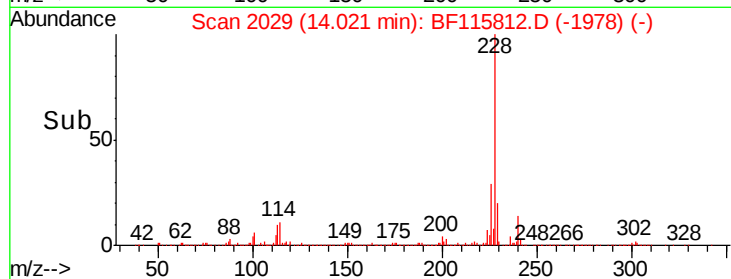
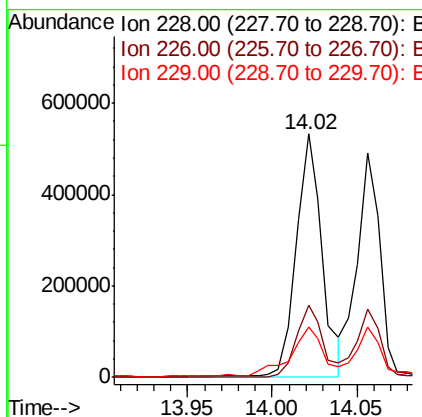
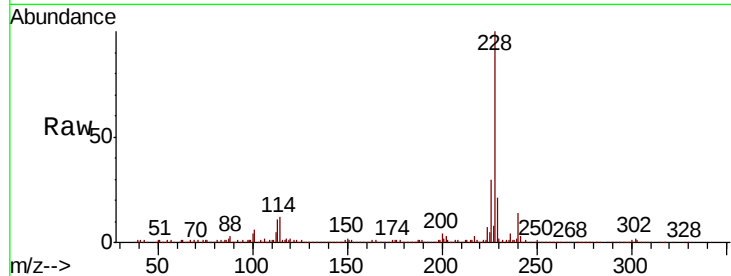
#81
Benzo(a)anthracene
Concen: 23.249 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.8	16.1	24.1

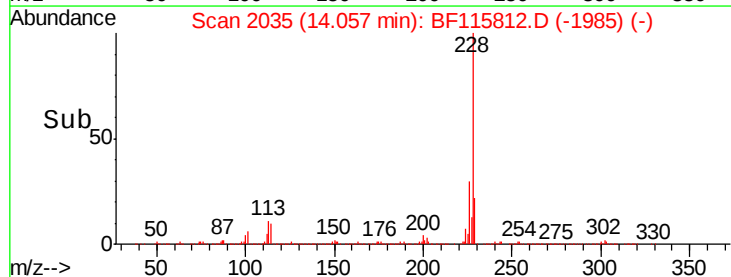
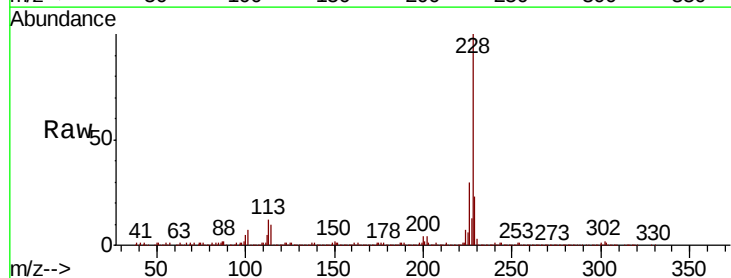
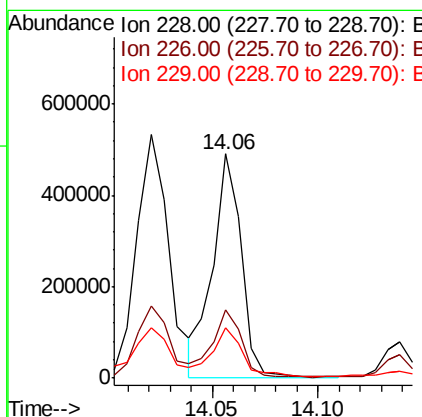
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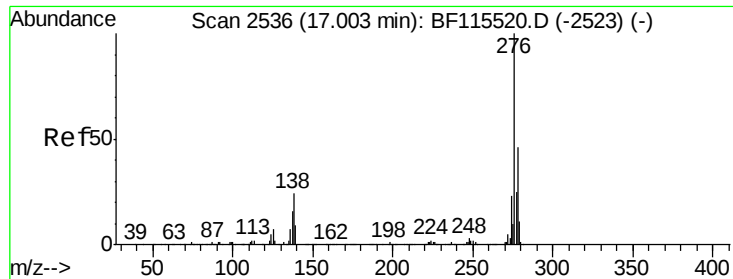
mohammad
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#83
Chrysene
Concen: 18.890 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.4
229	22.7	16.2	24.2





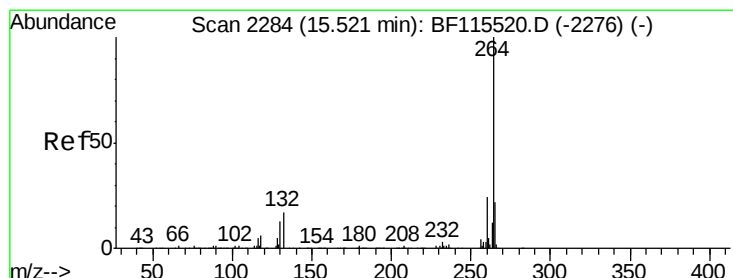
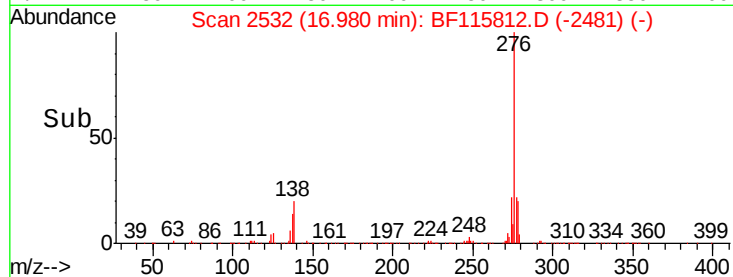
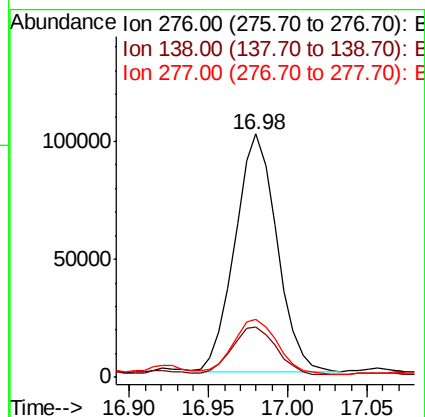
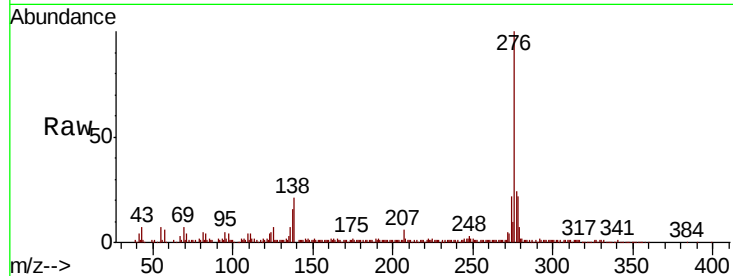
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.855 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.1	30.1
277	24.6	19.8	29.8

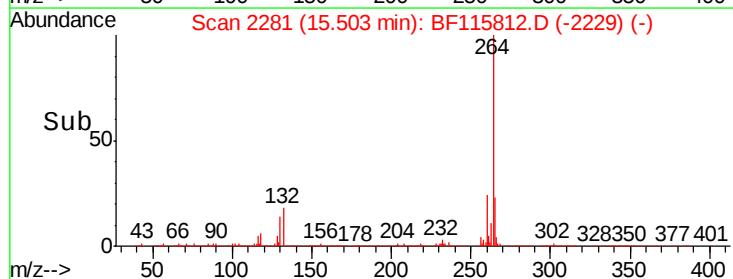
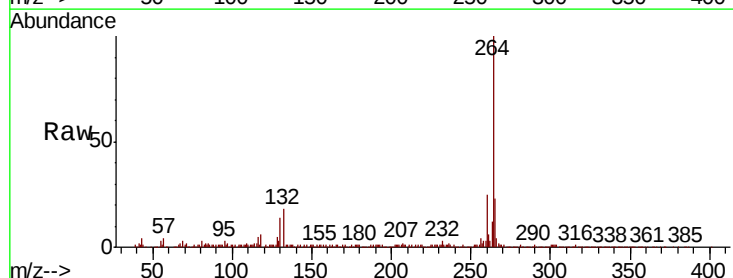
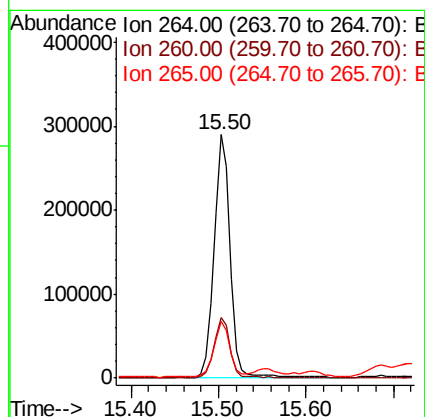
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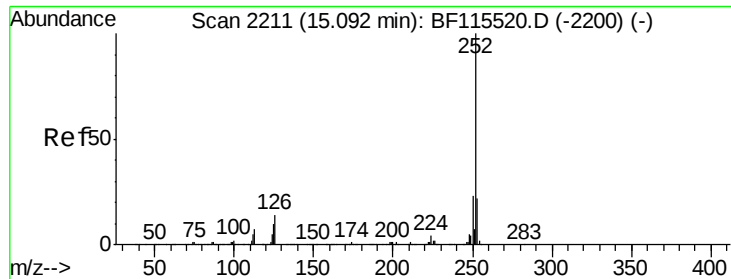
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.6
265	23.1	17.5	26.3





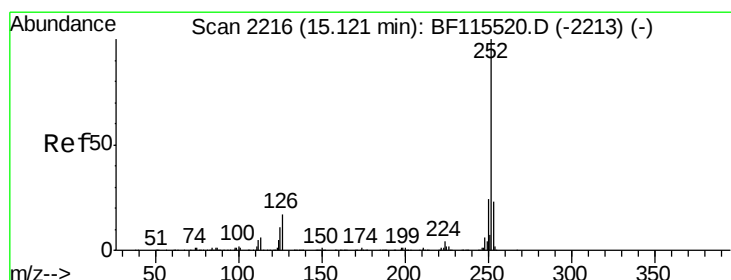
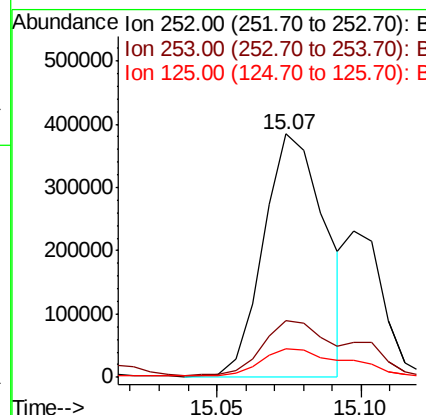
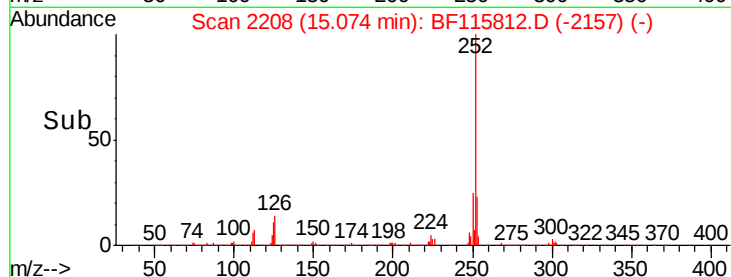
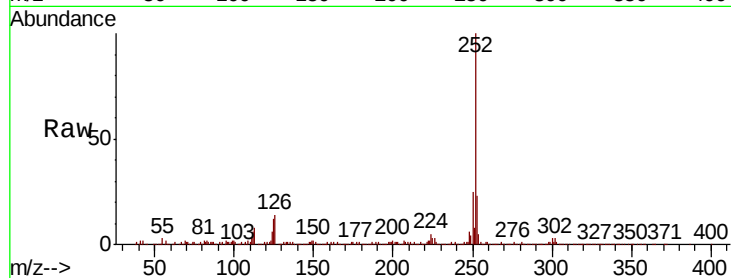
#88
Benzo(b)fluoranthene
Concen: 24.346 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	12.0	8.4	12.6

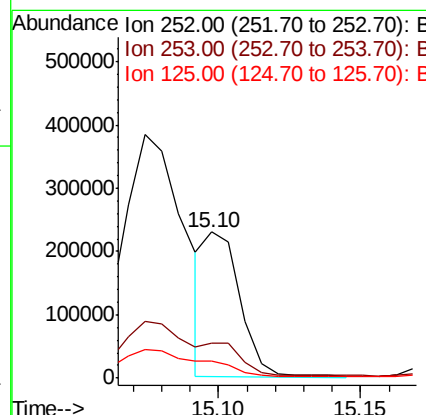
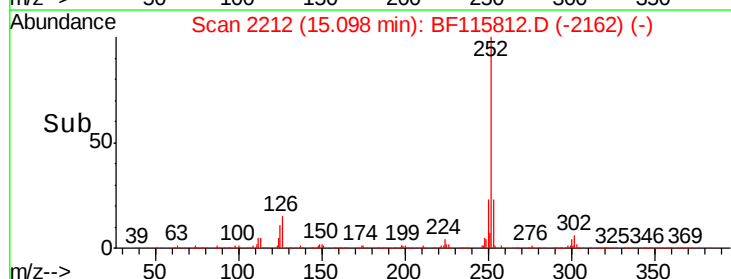
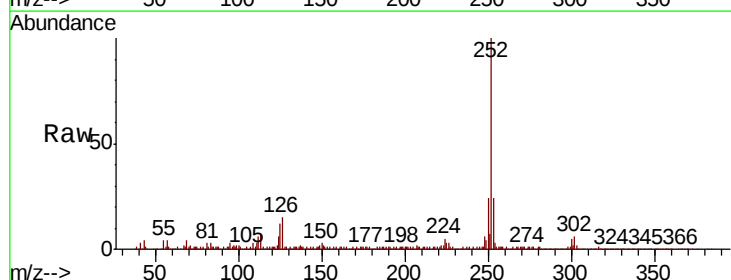
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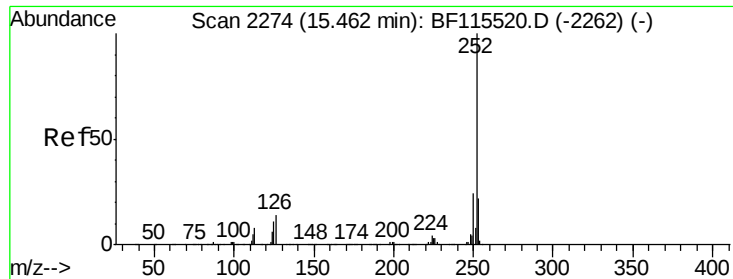
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.676 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	11.9	8.6	13.0





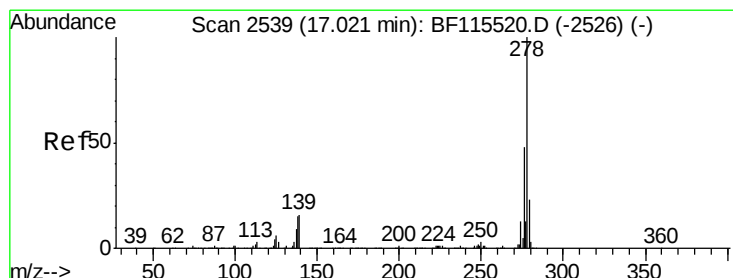
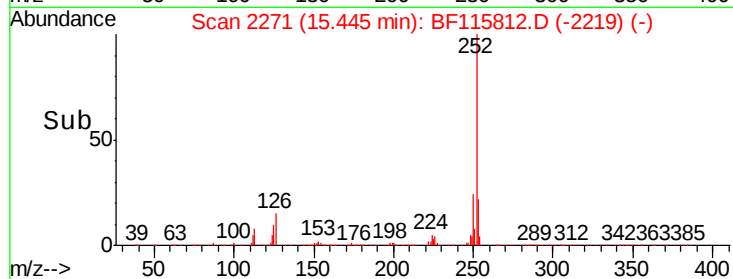
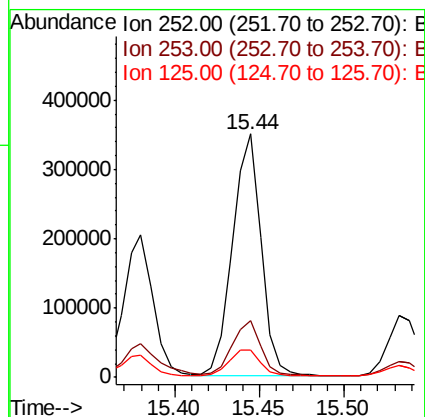
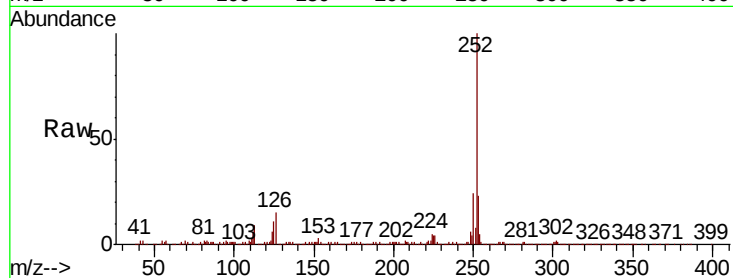
#90
Benzo(a)pyrene
Concen: 20.442 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	11.2	9.4	14.2

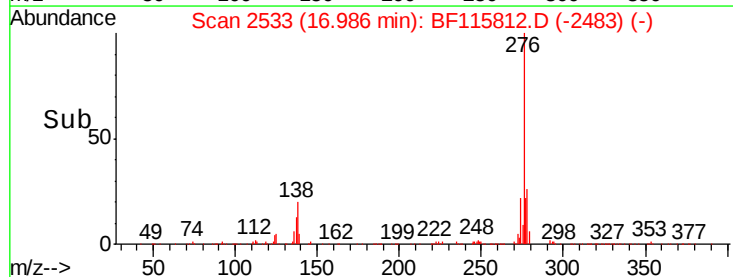
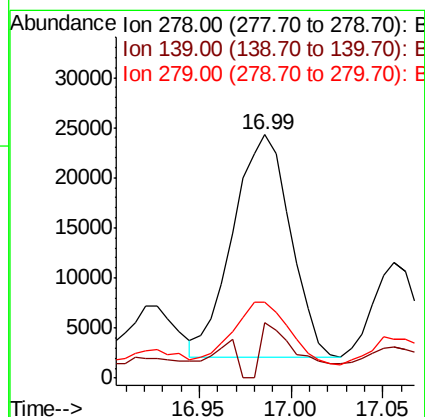
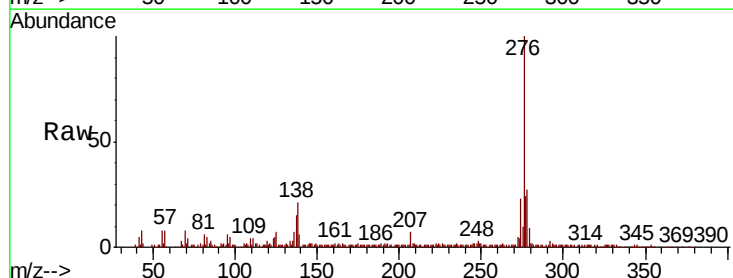
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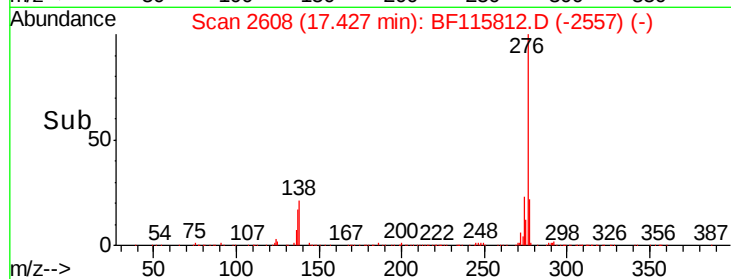
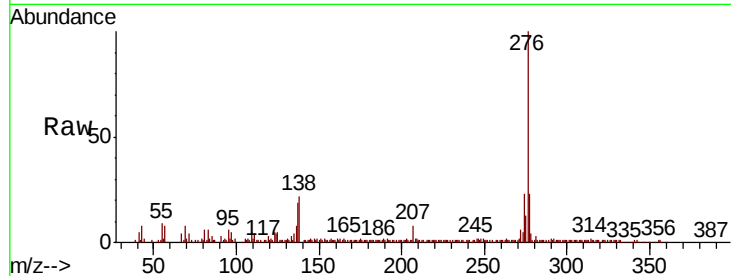
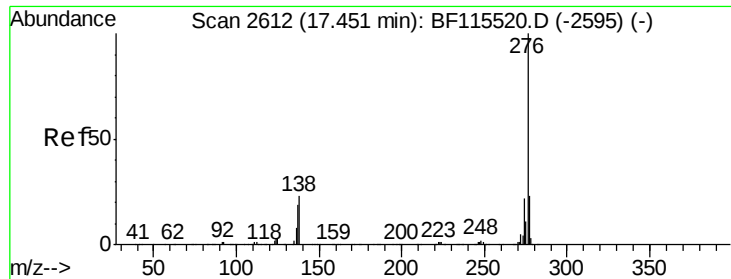
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.727 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.6	13.6	20.4#
279	31.3	19.6	29.4#





#92
 Benzo(a,h,i)perylene
 Concen: 9.863 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.1	27.1
138	21.6	16.6	24.8

Manual Integrations
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