

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
 Data File : BF115805.D
 Acq On : 26 Jul 2019 23:37
 Operator : HP/JU
 Sample : K3626-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072519-A

Manual Integrations
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Quant Time: Jul 27 02:31:40 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	148598	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	568488	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	295760	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	471743	20.00	ng	0.00
76) Chrysene-d12	14.03	240	301628	20.00	ng	0.00
87) Perylene-d12	15.50	264	378338	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	735558	80.97	ng	0.00
7) Phenol-d6	6.50	99	971929	84.32	ng	0.00
23) Nitrobenzene-d5	7.43	82	608865	62.28	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	196395	56.89	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1117867	66.15	ng	-0.01
79) Terphenyl-d14	12.97	244	979289	59.91	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.62	163	247424	11.119	ng	99
58) Fluorene	10.45	166	55547	2.971	ng	98
71) Phenanthrene	11.42	178	580901	24.023	ng	99
72) Anthracene	11.46	178	180366	7.217	ng	98
73) Carbazole	11.62	167	49628	2.265	ng	99
75) Fluoranthene	12.60	202	812879	31.811	ng	99
78) Pyrene	12.83	202	707620	27.690	ng	98
81) Benzo(a)anthracene	14.02	228	414070	20.838	ng	96
83) Chrysene	14.05	228	340414	17.065	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	254392	15.011	ng	95
88) Benzo(b)fluoranthene	15.07	252	522565m	21.450	ng	
89) Benzo(k)fluoranthene	15.09	252	196176m	9.032	ng	
90) Benzo(a)pyrene	15.44	252	395103	18.869	ng	97
91) Dibenzo(a,h)anthracene	16.98	278	60550m	3.294	ng	
92) Benzo(a,h,i)perylene	17.42	276	231356	12.620	ng	99

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

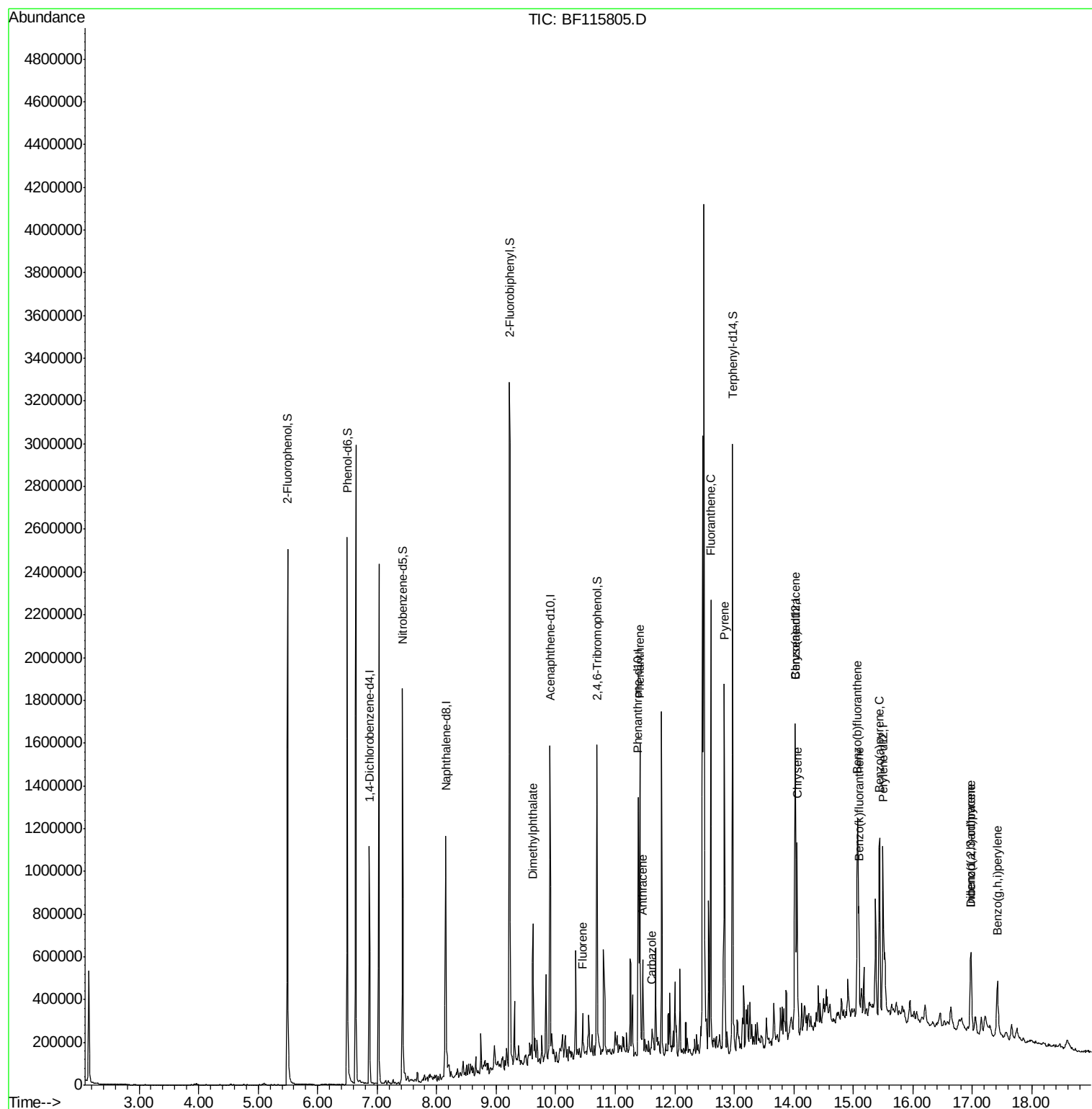
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
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ALS Vial : 15 Sample Multiplier: 1

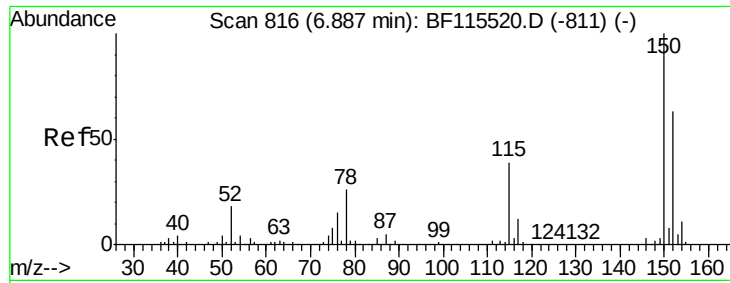
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#1

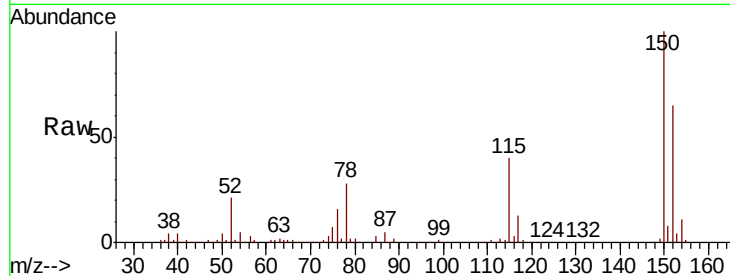
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.6	189.8
115	61.2	47.8	71.6

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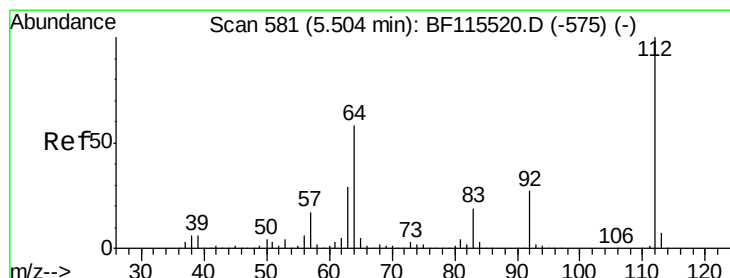
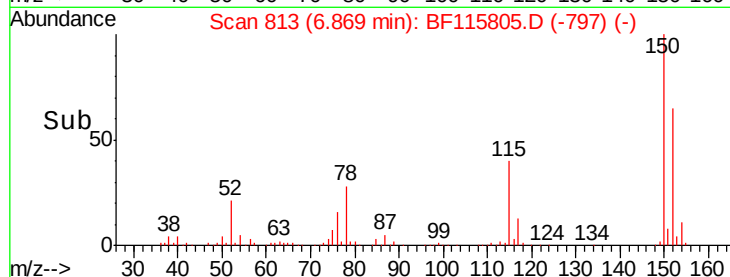
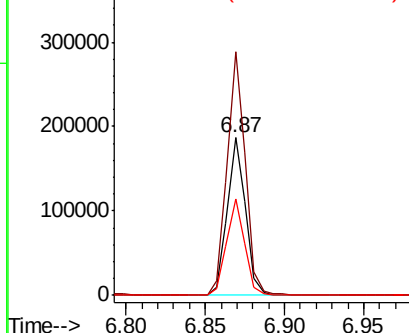


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

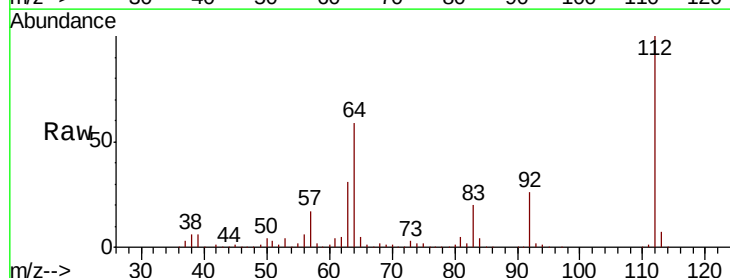
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.967 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.8	68.8
63	30.9	23.6	35.4

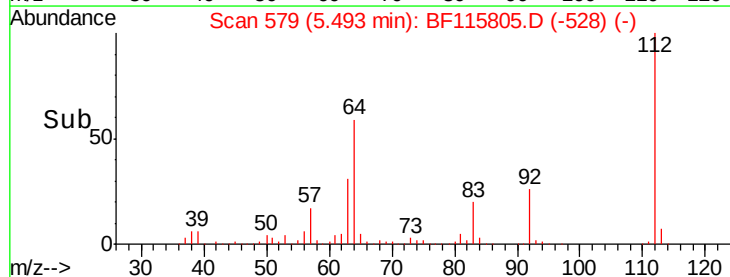
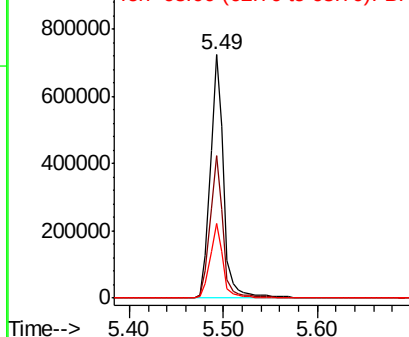


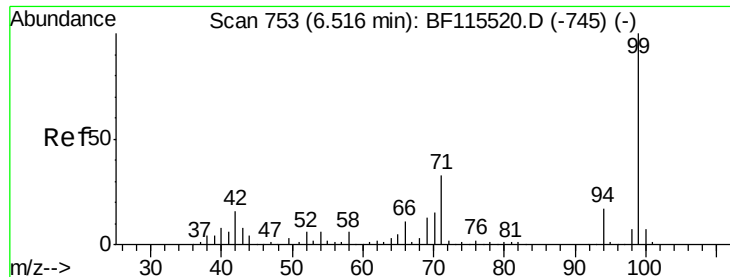
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.315 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Instrument :

BNA_F

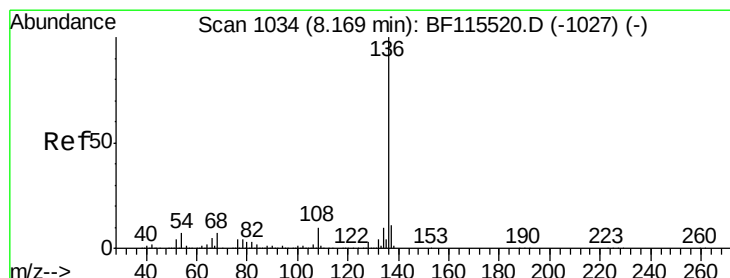
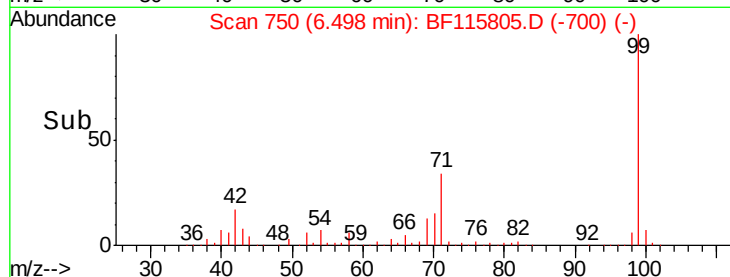
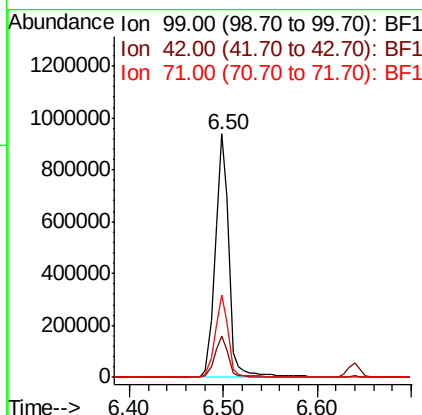
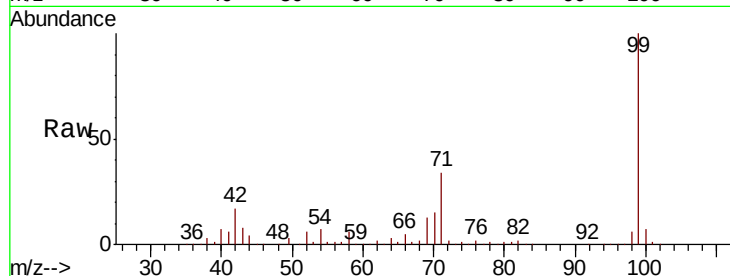
ClientSampleId :

SU-03-072519-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		971929		
42	17.1	13.4	20.2		
71	34.1	26.7	40.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

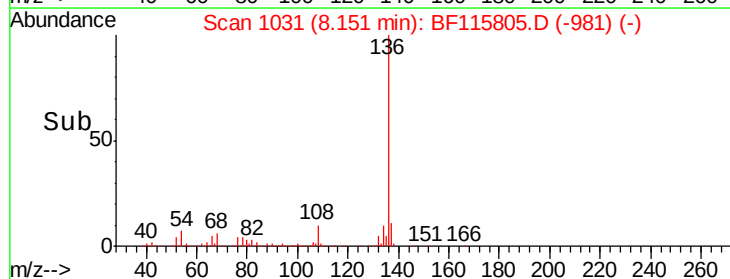
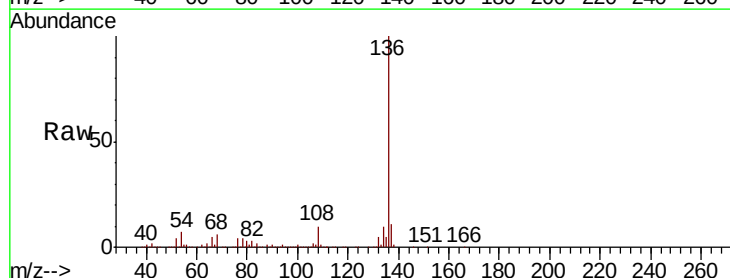
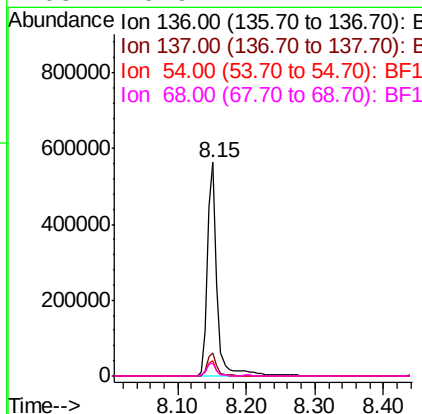
RT: 8.15 min Scan# 1031

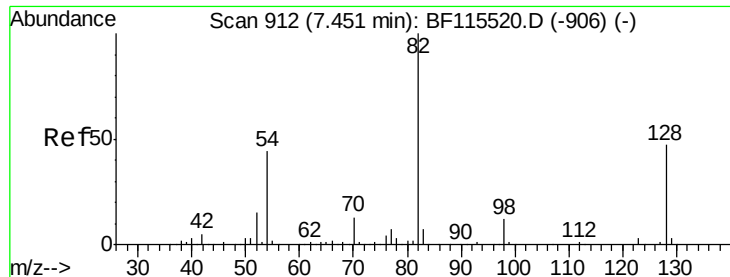
Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		568488		
137	11.0	8.7	13.1		
54	7.0	5.0	7.6		
68	5.9	4.7	7.1		





#23

Nitrobenzene-d5

Concen: 62.276 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Instrument :

BNA_F

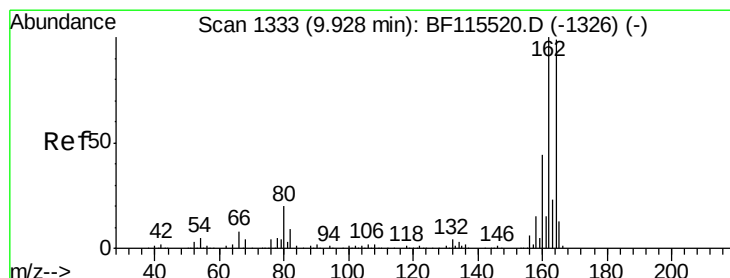
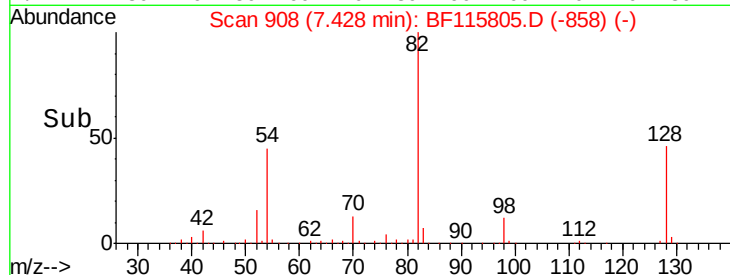
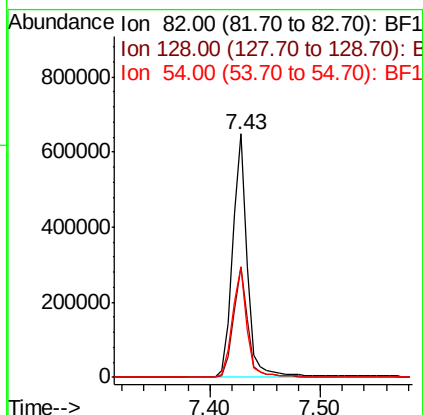
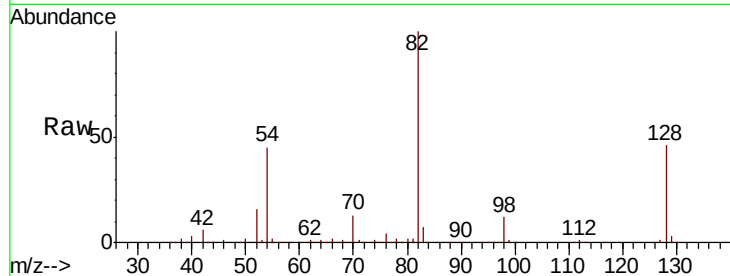
ClientSampleId :

SU-03-072519-A

Tot Ion	82	Resp	608865
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.6	55.0
54	45.4	36.6	54.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

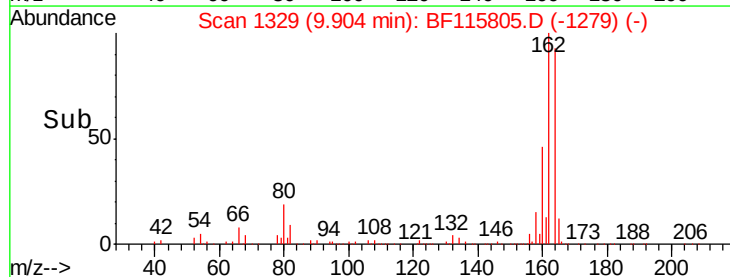
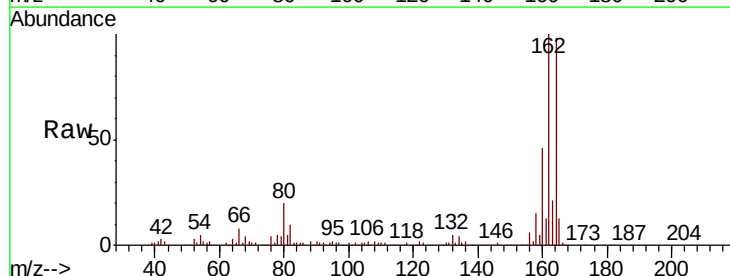
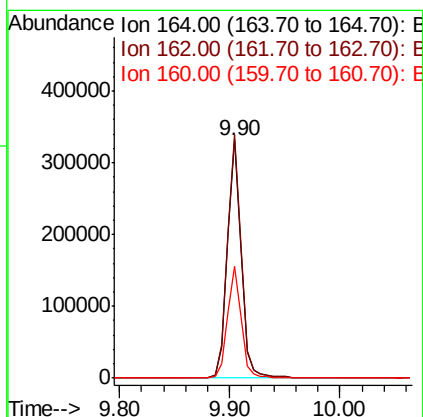
RT: 9.90 min Scan# 1329

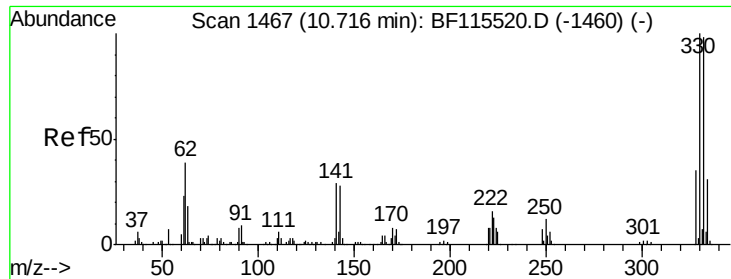
Delta R.T. -0.01 min

Lab File: BF115805.D

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Tgt Ion	164	Resp	295760
Ion Ratio	Lower	Upper	
164	100		
162	102.2	81.8	122.6
160	46.6	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 56.889 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Instrument :

BNA_F

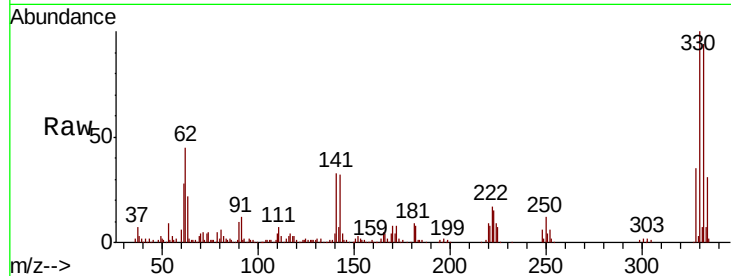
ClientSampleId :

SU-03-072519-A

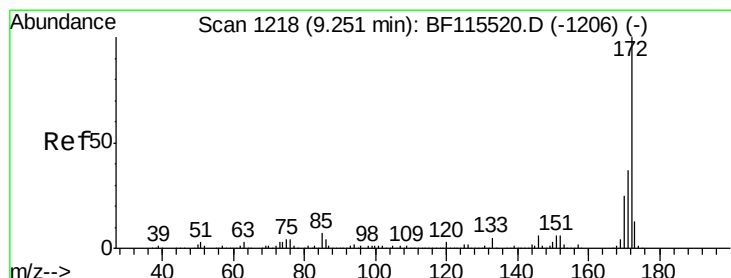
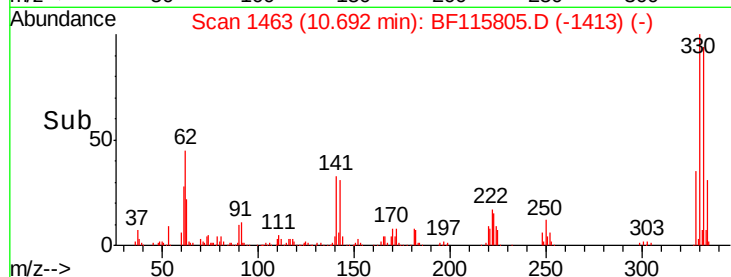
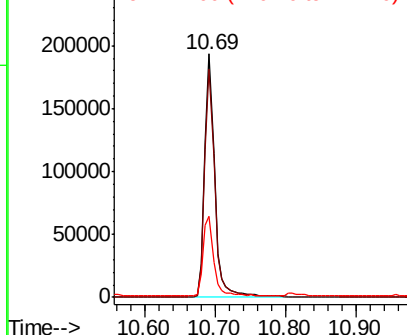
Tot Ion:	330	Resp:	196395
Ion Ratio	Lower	Upper	
330	100		
332	94.0	76.1	114.1
141	34.5	25.9	38.9

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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: 66.154 ng

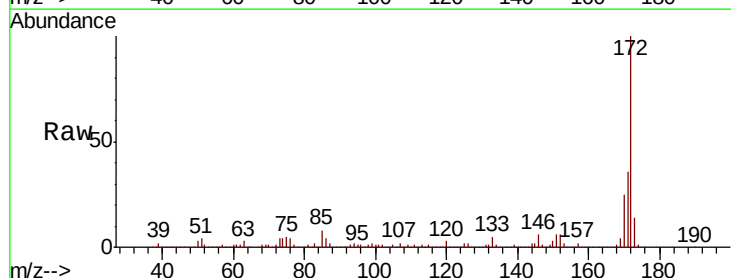
RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

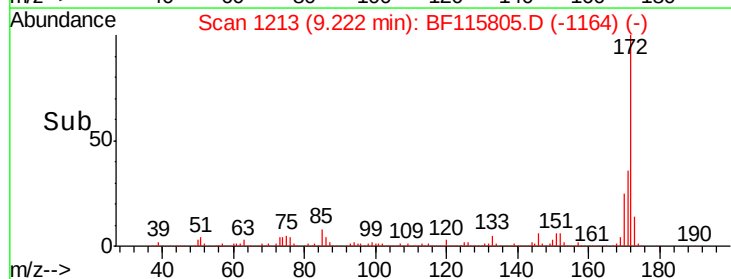
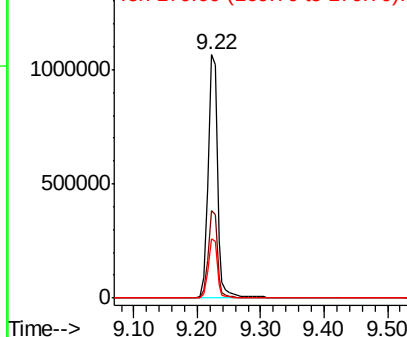
Lab File: BF115805.D

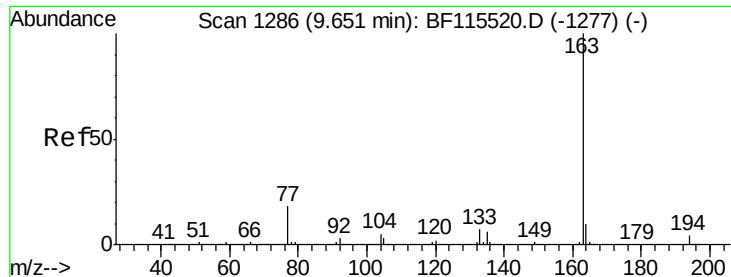
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Tgt Ion:	172	Resp:	1117867
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.0	43.4
170	24.5	20.1	30.1



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





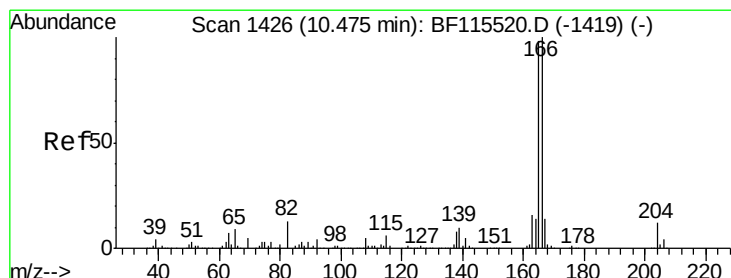
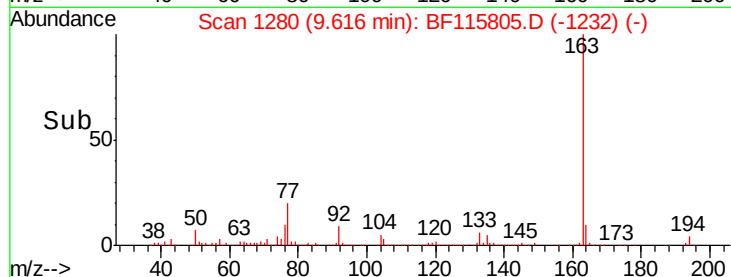
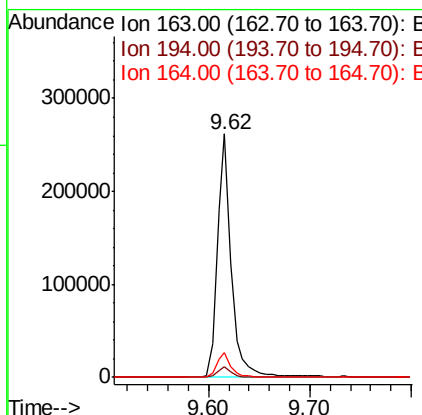
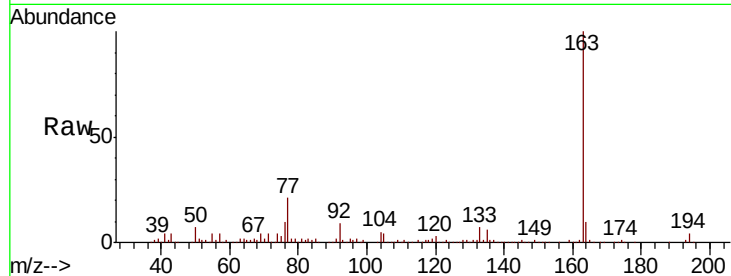
#50
Dimethylphthalate
Concen: 11.119 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	247424		
194	4.2		3.2	4.8
164	10.0		8.3	12.5

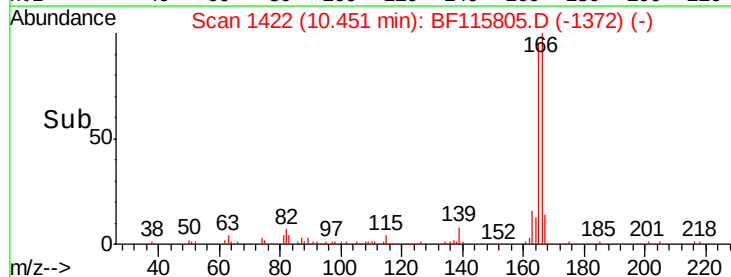
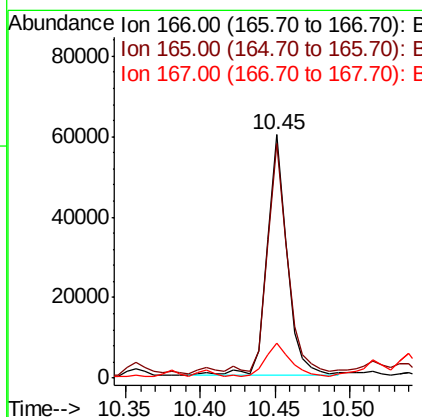
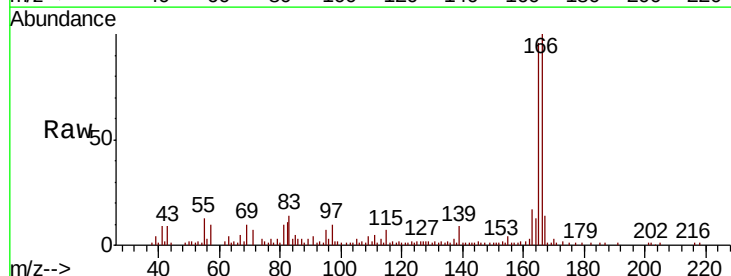
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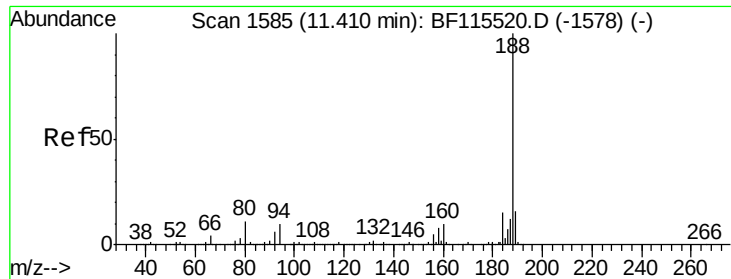
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#58
Fluorene
Concen: 2.971 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	55547		
165	96.5		79.0	118.4
167	14.2		11.0	16.6





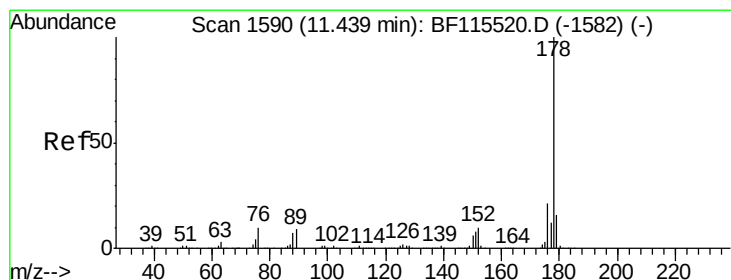
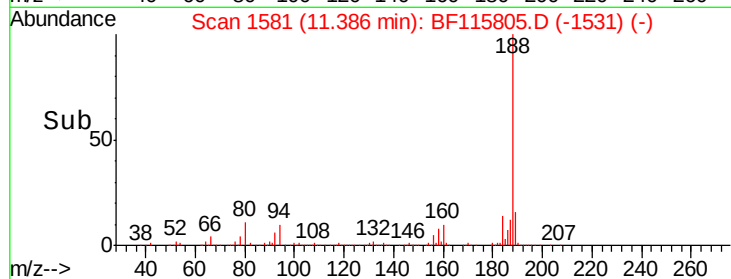
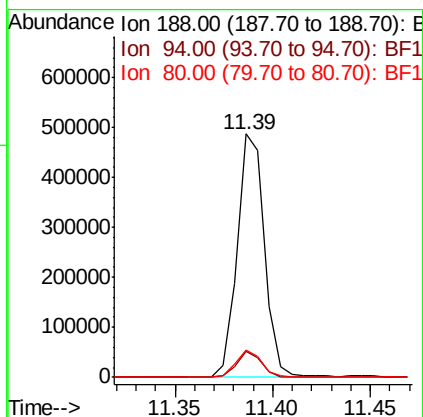
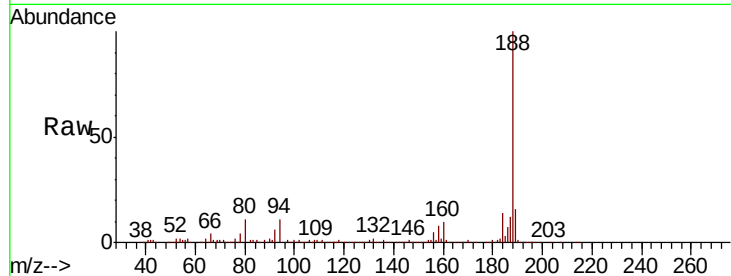
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	471743		
94	10.6		8.2	12.2
80	11.5		9.0	13.6

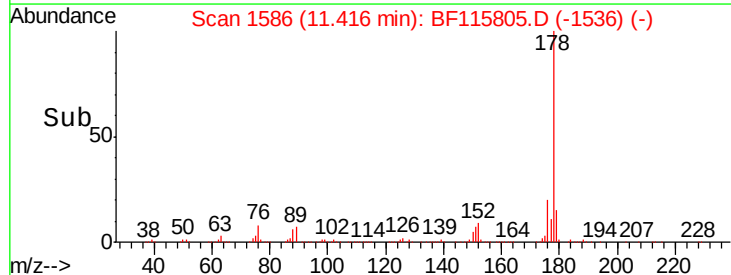
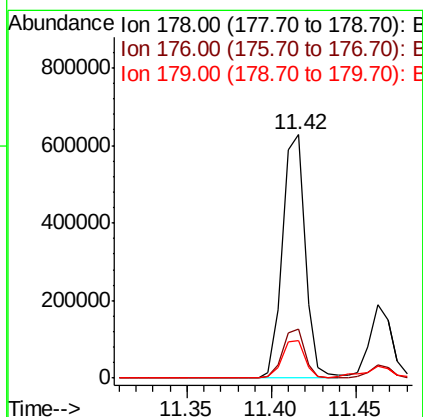
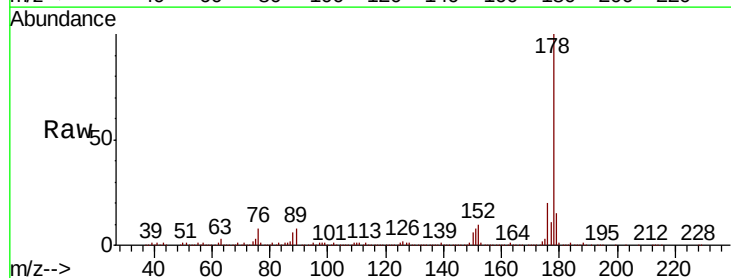
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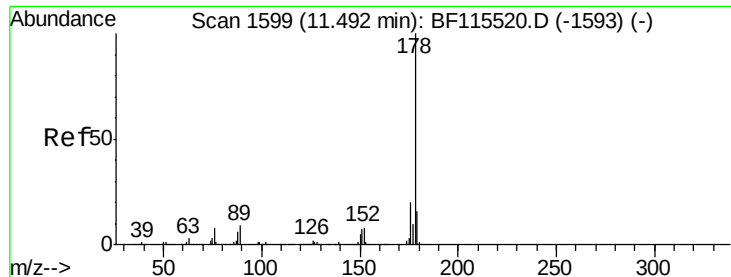
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#71
Phenanthrene
Concen: 24.023 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	580901		
176	20.1		16.4	24.6
179	15.4		12.7	19.1





#72

Anthracene

Concen: 7.217 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Instrument :

BNA_F

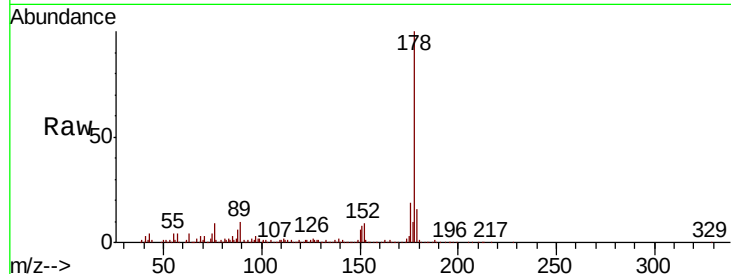
ClientSampleId :

SU-03-072519-A

Tot Ion:	178	Resp:	180366
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.1	24.1
179	16.2	12.6	18.8

Manual Integrations
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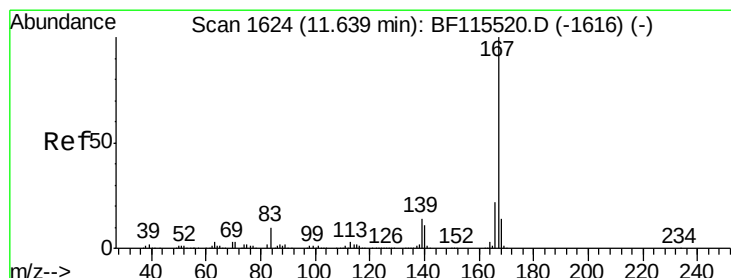
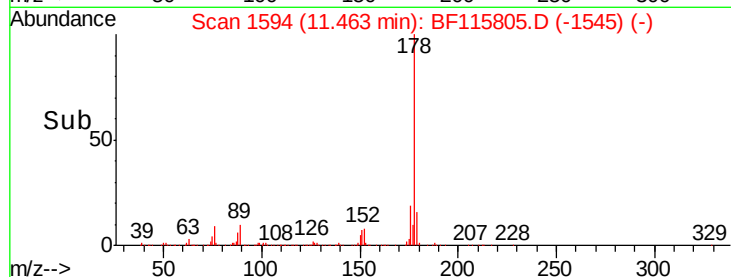
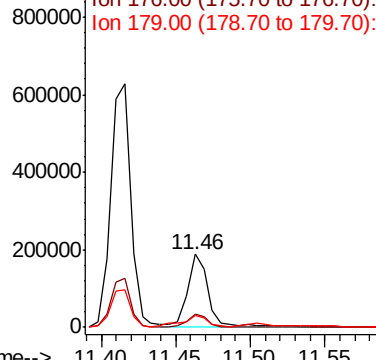


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.265 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

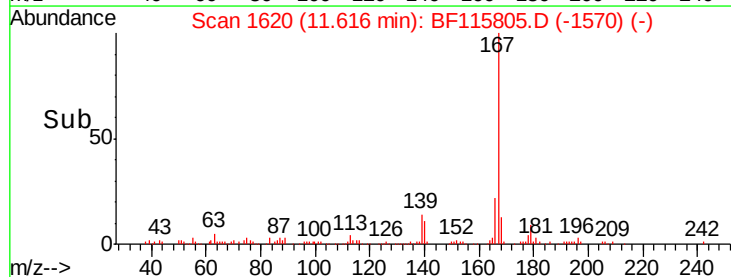
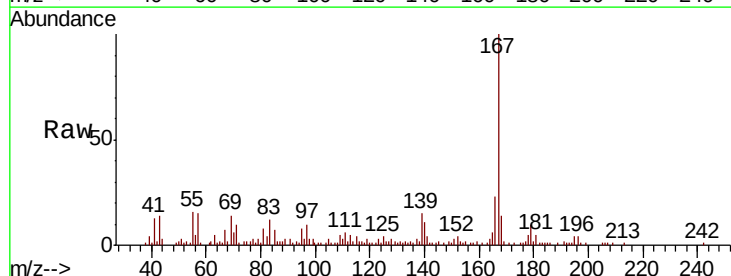
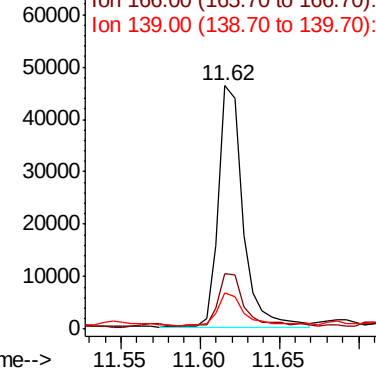
Tgt Ion:	167	Resp:	49628
Ion Ratio	Lower	Upper	
167	100		
166	22.7	18.0	27.0
139	14.8	11.1	16.7

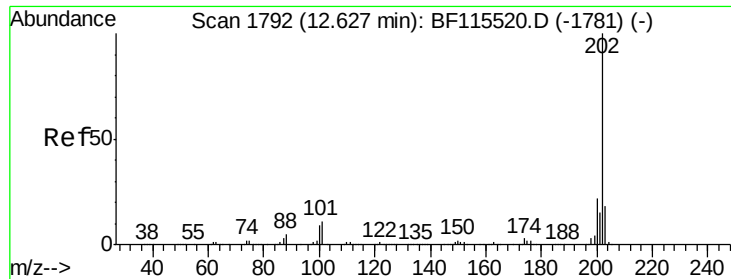
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 31.811 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Instrument :

BNA_F

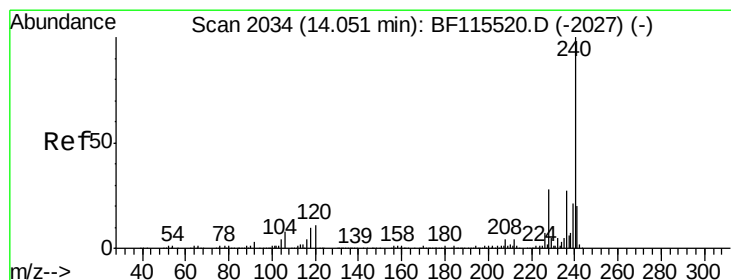
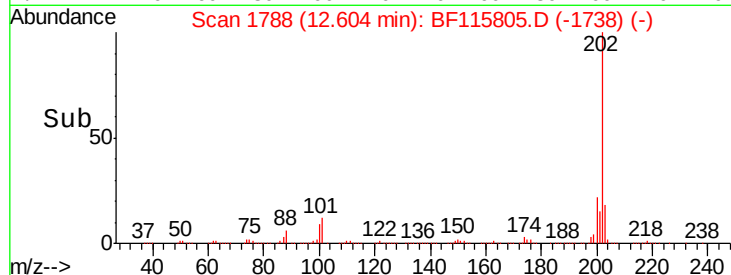
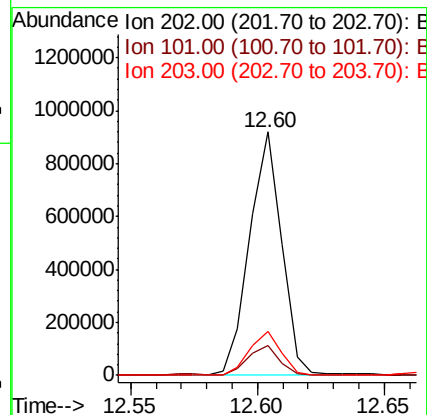
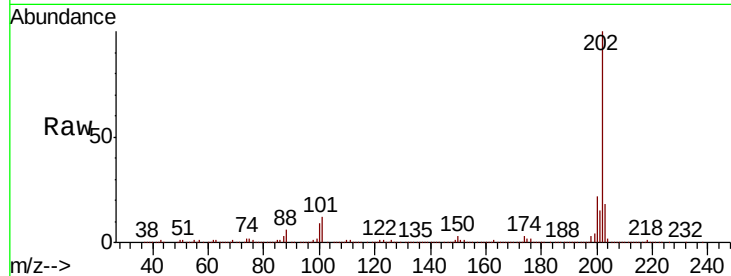
ClientSampleId :

SU-03-072519-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		812879		
101	12.1	0.0	31.6		
203	17.9	0.0	38.0		

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#76

Chrysene-d12

Concen: 20.000 ng

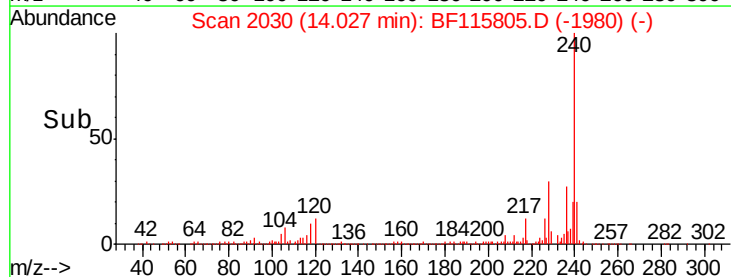
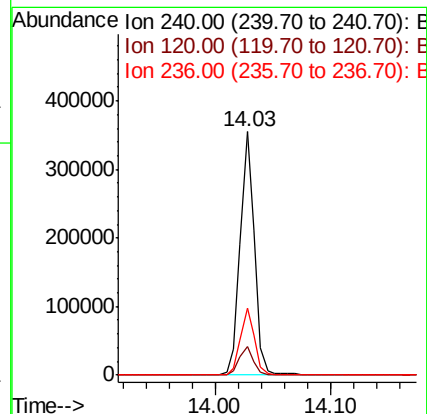
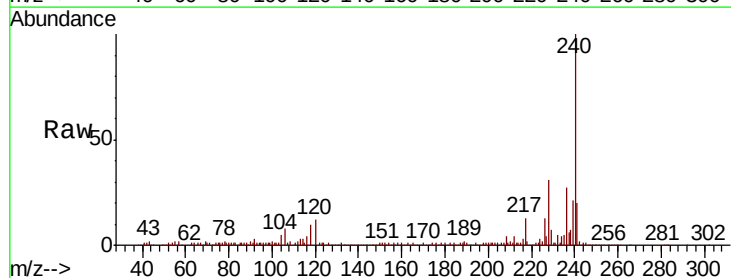
RT: 14.03 min Scan# 2030

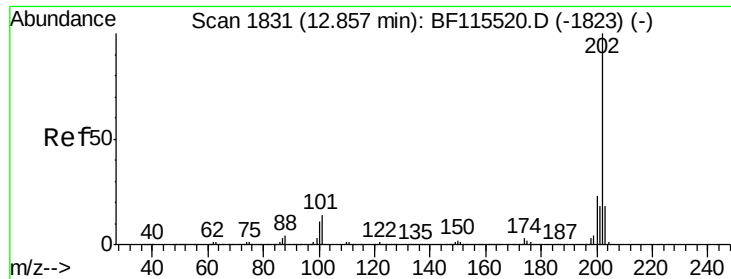
Delta R.T. -0.01 min

Lab File: BF115805.D

Acq: 26 Jul 2019 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		301628		
120	11.8	10.0	15.0		
236	27.4	21.8	32.6		





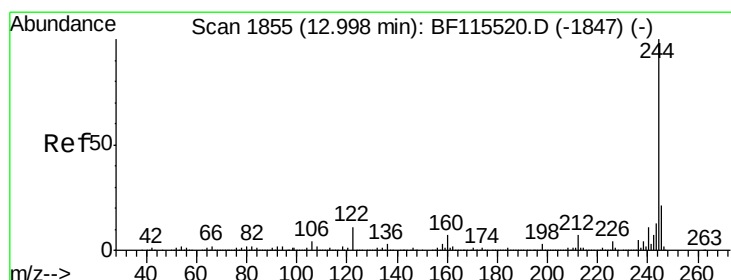
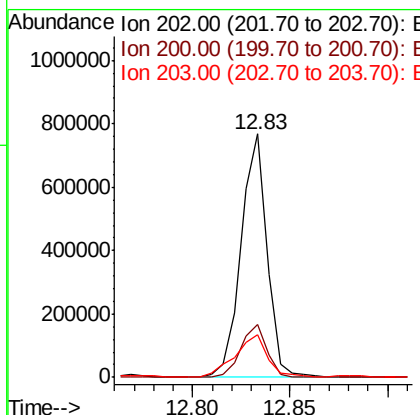
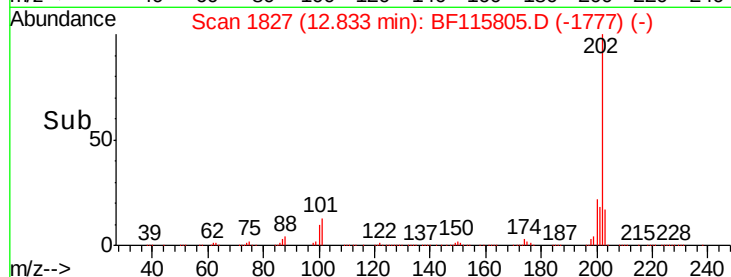
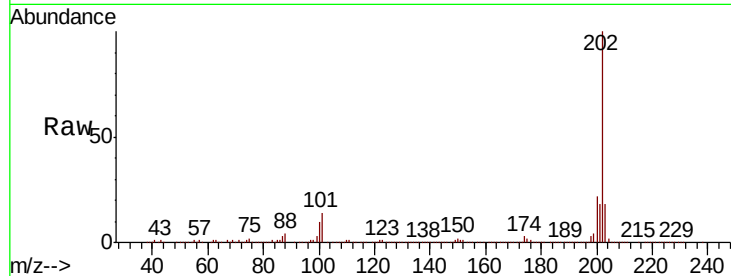
#78
Pvrene
Concen: 27.690 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.2	27.4
203	17.7	14.6	21.8

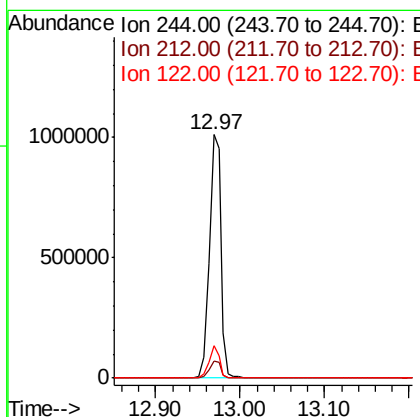
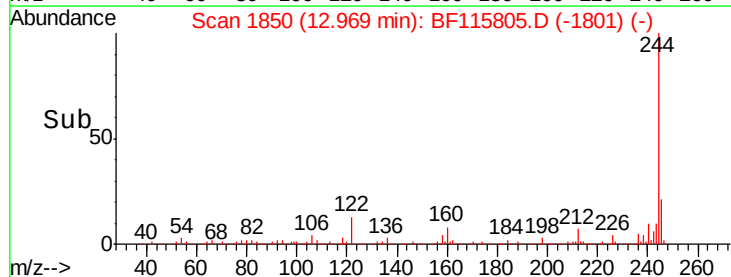
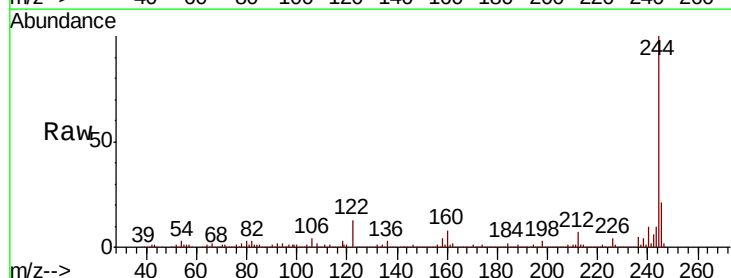
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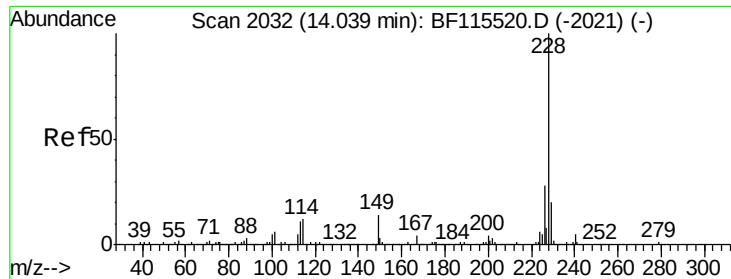
mohammad
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#79
Terphenyl-d14
Concen: 59.907 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	13.1	8.2	12.4





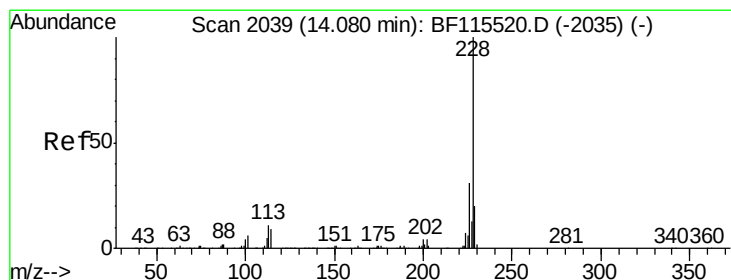
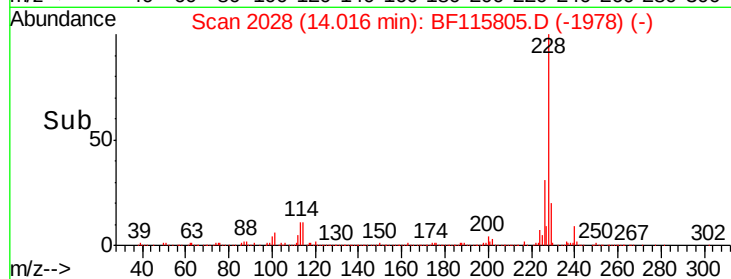
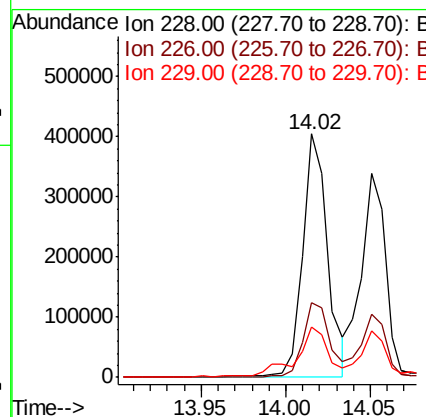
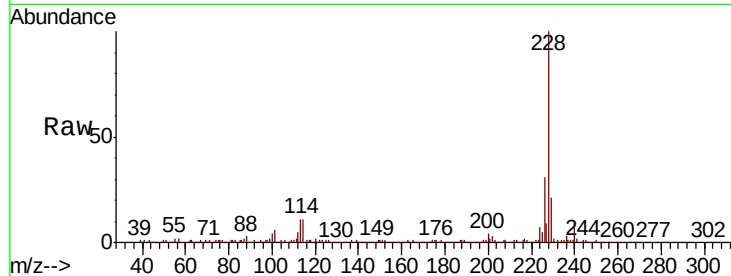
#81
Benzo(a)anthracene
Concen: 20.838 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampled :
SU-03-072519-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.2
229	20.7	16.1	24.1

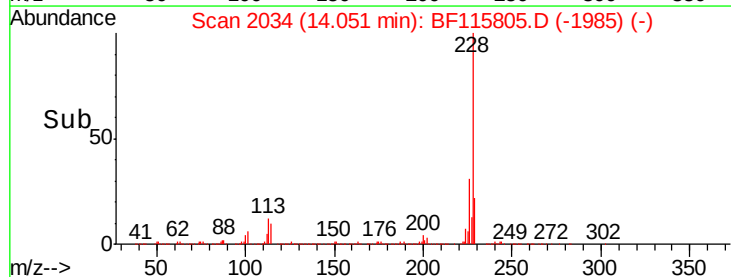
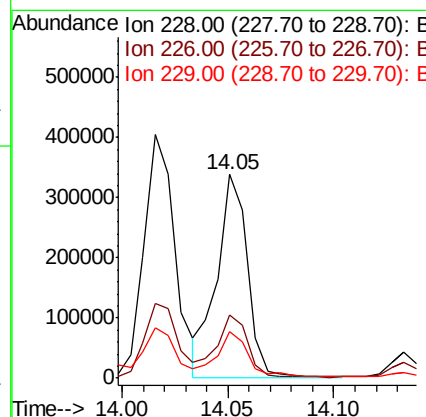
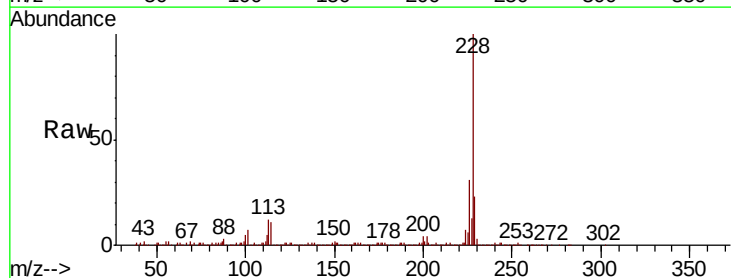
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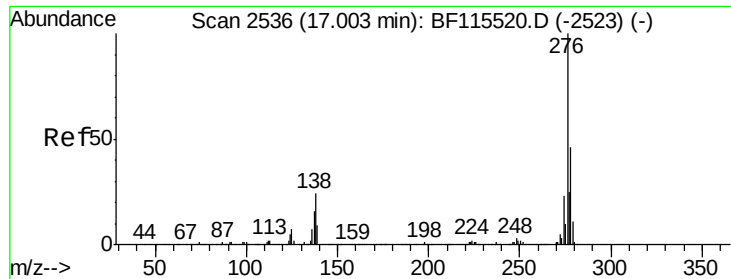
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#83
Chrysene
Concen: 17.065 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.4
229	22.9	16.2	24.2





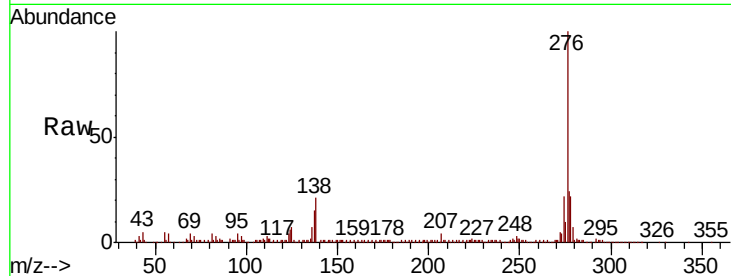
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.011 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.1	30.1
277	24.1	19.8	29.8

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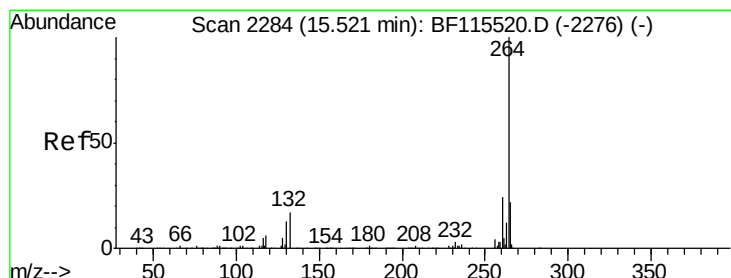
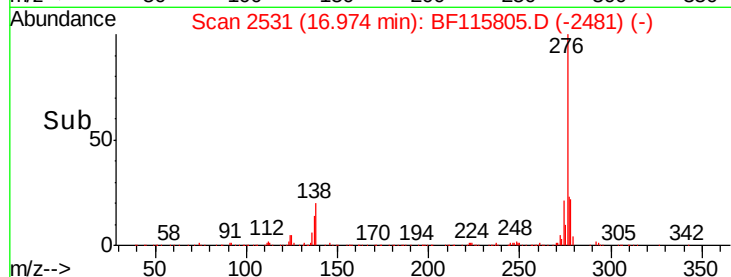
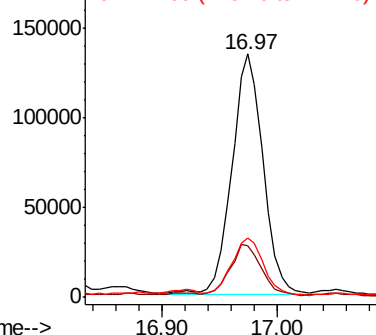


Abundance

Ion 276.00 (275.70 to 276.70): E

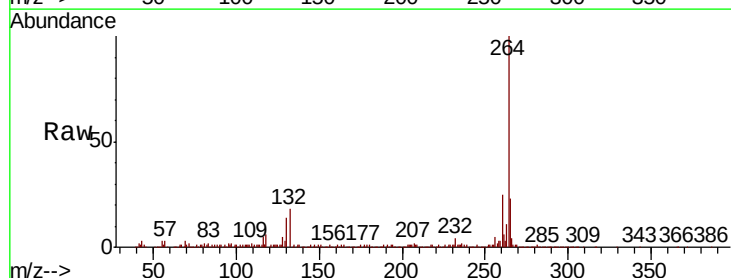
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.6
265	22.8	17.5	26.3

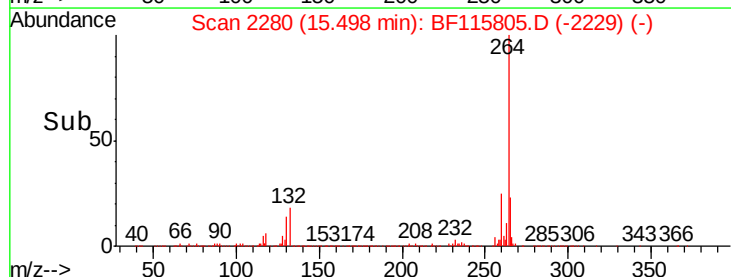
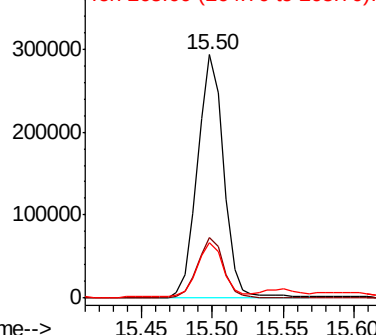


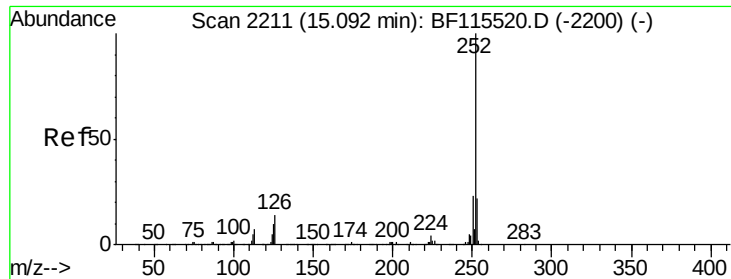
Abundance

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





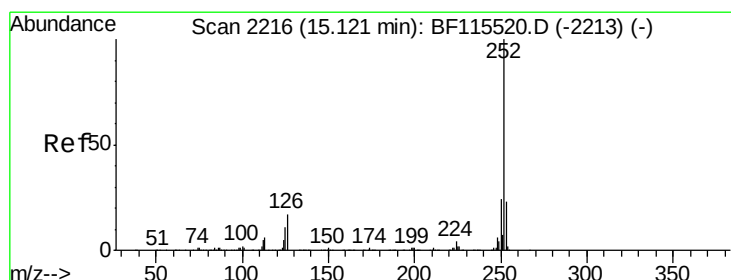
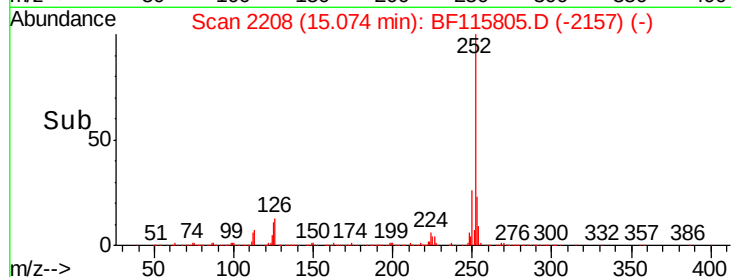
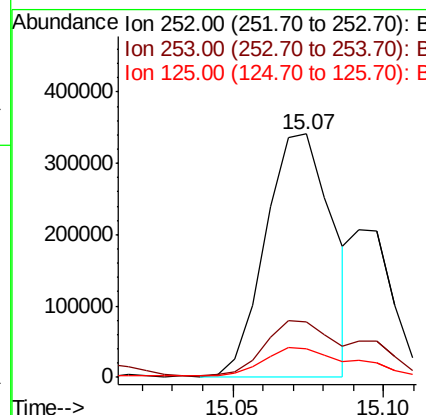
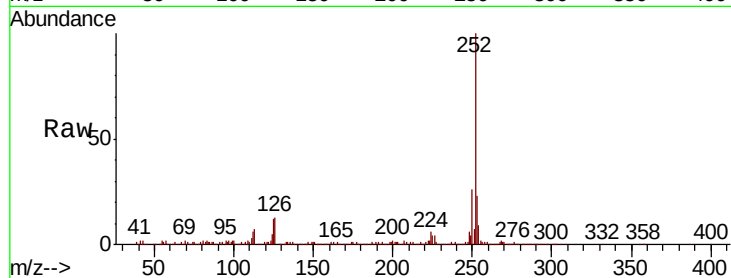
#88
Benzo(b)fluoranthene
Concen: 21.450 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	11.9	8.4	12.6

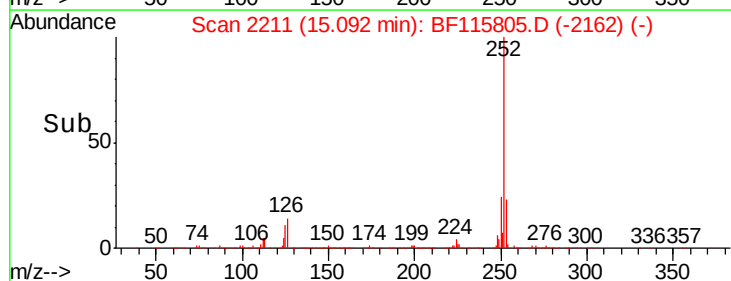
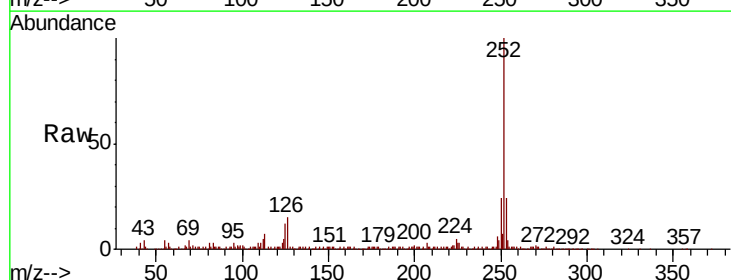
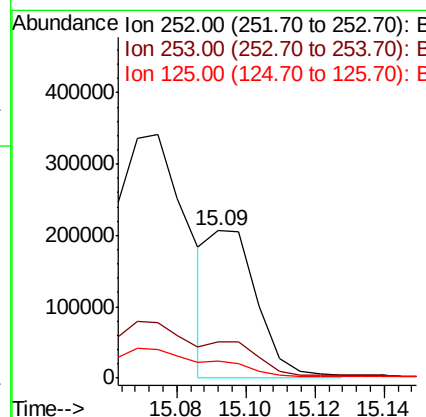
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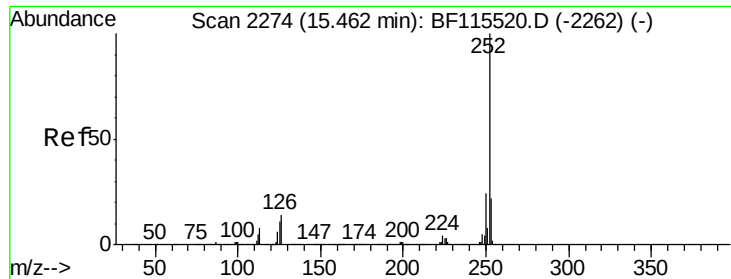
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.032 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	11.8	8.6	13.0





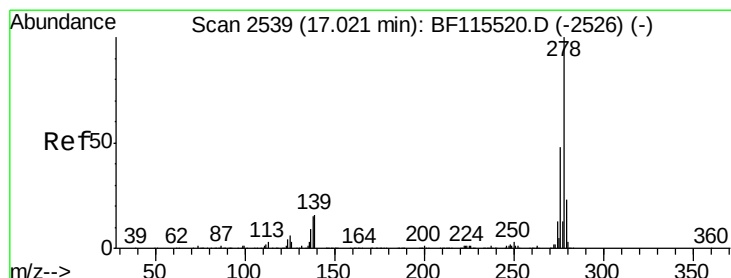
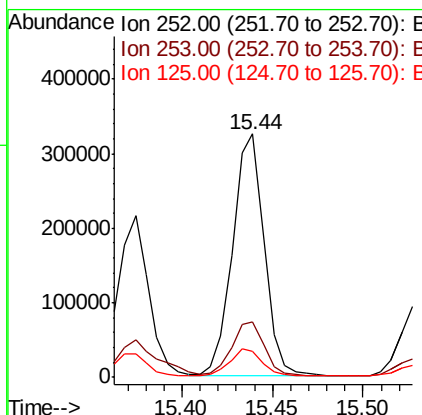
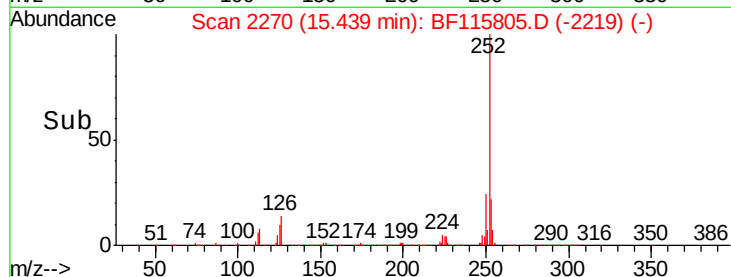
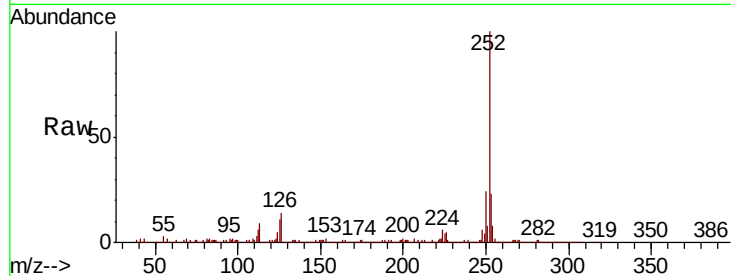
#90
Benzo(a)pyrene
Concen: 18.869 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	10.9	9.4	14.2

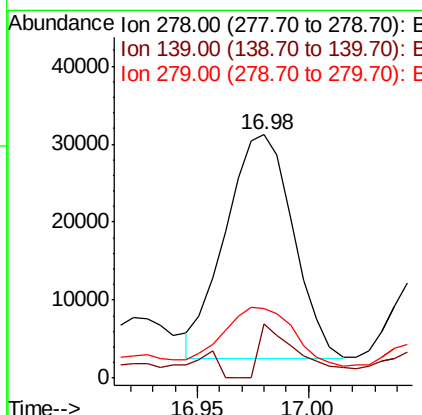
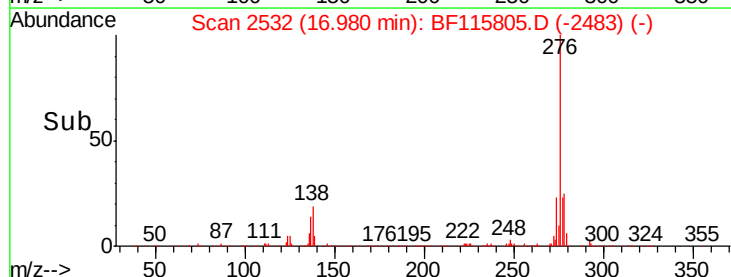
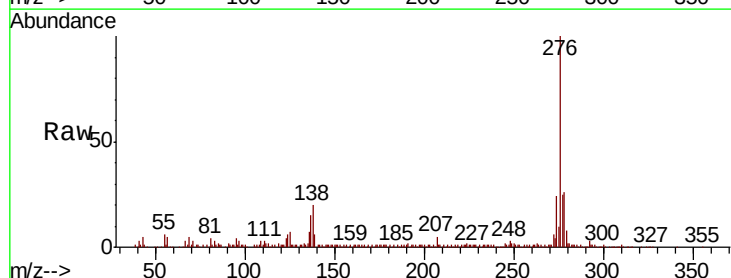
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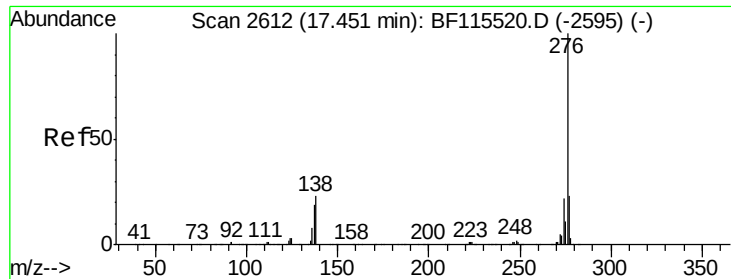
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.294 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF115805.D
Acq: 26 Jul 2019 23:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	13.6	20.4#
279	28.7	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 12.620 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF115805.D
 Acq: 26 Jul 2019 23:37

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072519-A

Tot Ion:	276	Resp:	231356
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.1	27.1
138	20.1	16.6	24.8

Manual Integrations
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 7/29/2019 5:29:09 PM

