

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
 Data File : BF115775.D
 Acq On : 25 Jul 2019 23:06
 Operator : HP/JU
 Sample : K3983-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Manual Integrations
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mohammad
 7/26/2019 3:23:20 PM

Quant Time: Jul 26 07:41:54 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	127455	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	497980	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	269622	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	460622	20.00	ng	0.00
76) Chrysene-d12	14.03	240	312195	20.00	ng	0.00
87) Perylene-d12	15.50	264	399283	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	674023	86.50	ng	0.00
7) Phenol-d6	6.50	99	885968	89.61	ng	0.00
23) Nitrobenzene-d5	7.43	82	545890	63.74	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	251856	80.03	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	978857	63.54	ng	-0.01
79) Terphenyl-d14	12.97	244	939123	55.51	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.62	163	204294	10.071	ng	98
71) Phenanthrene	11.42	178	528641	22.390	ng	98
72) Anthracene	11.46	178	118452	4.854	ng	98
73) Carbazole	11.62	167	51966	2.429	ng	97
75) Fluoranthene	12.60	202	872033	34.950	ng	100
78) Pyrene	12.83	202	748139	28.285	ng	99
81) Benzo(a)anthracene	14.02	228	395234	19.216	ng	98
83) Chrysene	14.05	228	342309	16.579	ng	97
84) Bis(2-ethylhexyl)phthalate	14.00	149	123024	8.808	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	214677	12.238	ng	94
88) Benzo(b)fluoranthene	15.07	252	482751m	18.776	ng	
89) Benzo(k)fluoranthene	15.09	252	157416m	6.867	ng	
90) Benzo(a)pyrene	15.43	252	336969	15.249	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	56431m	2.909	ng	
92) Benzo(a,h,i)perylene	17.42	276	188209	9.728	ng	99

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

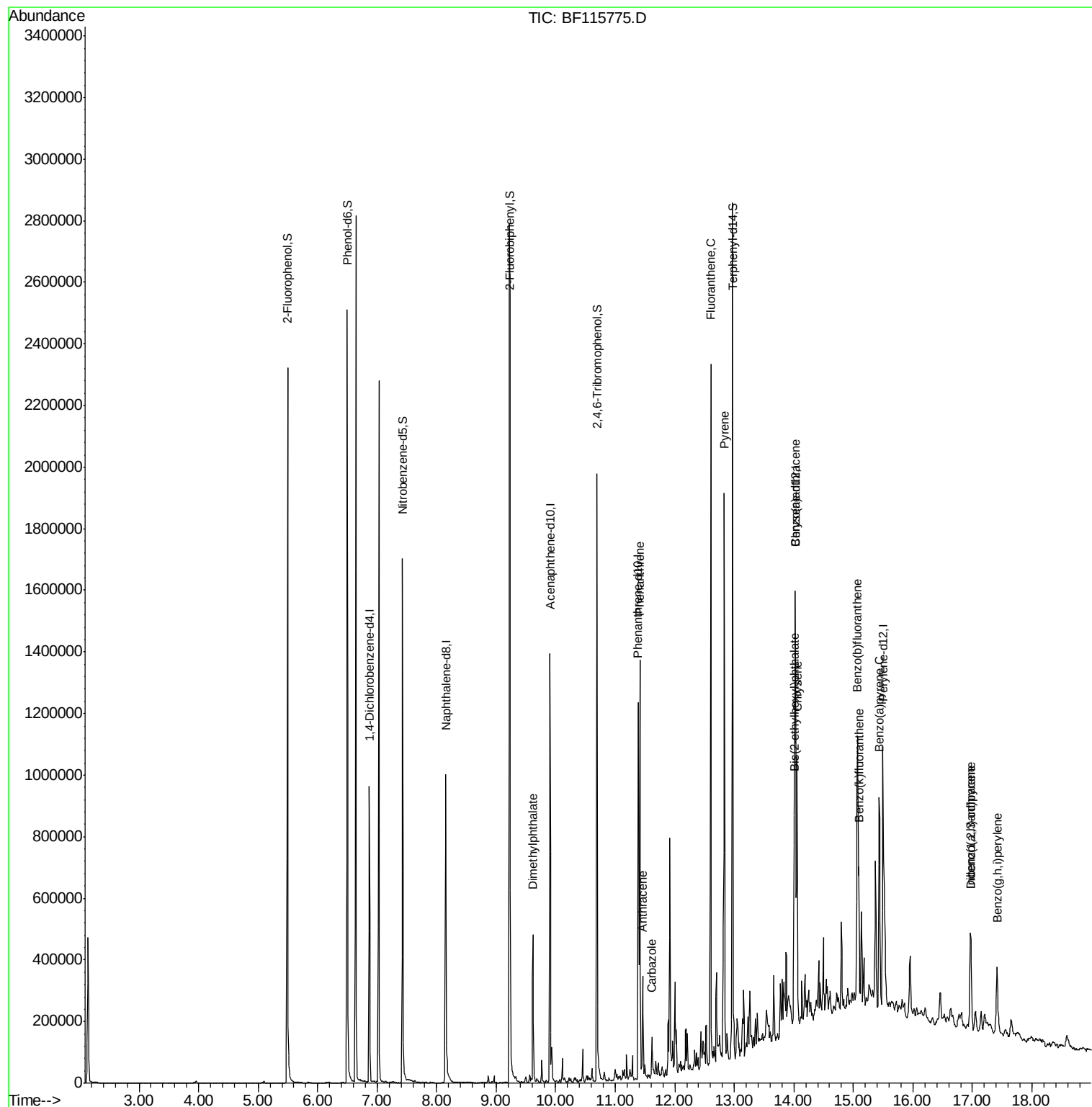
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
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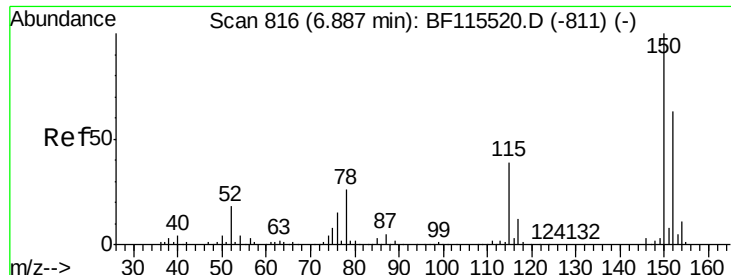
Instrument :
BNA_F
ClientSampled :
SP-2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
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#1

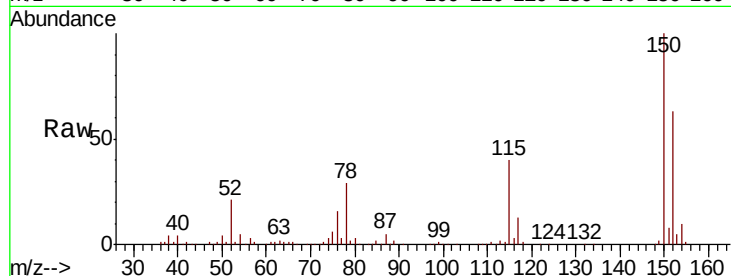
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.6	189.8
115	63.0	47.8	71.6

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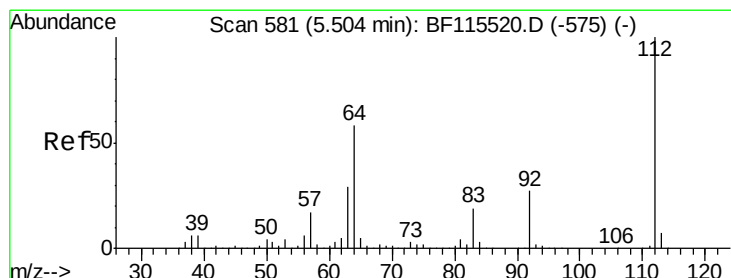
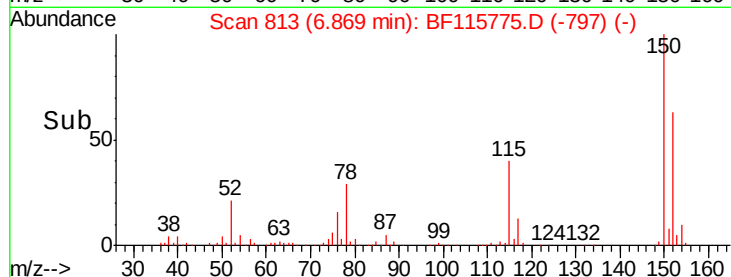
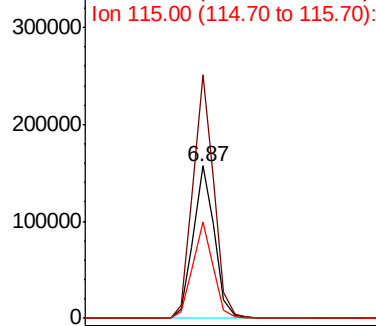


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

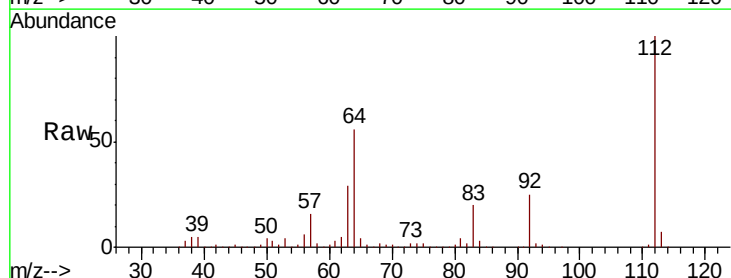
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.502 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.8	68.8
63	29.0	23.6	35.4

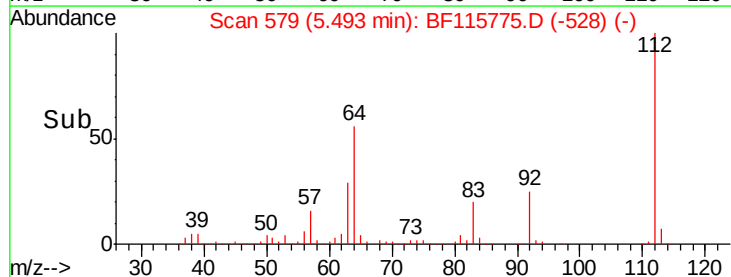
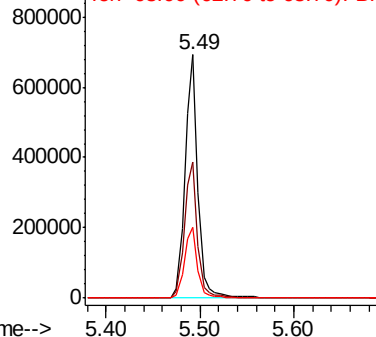


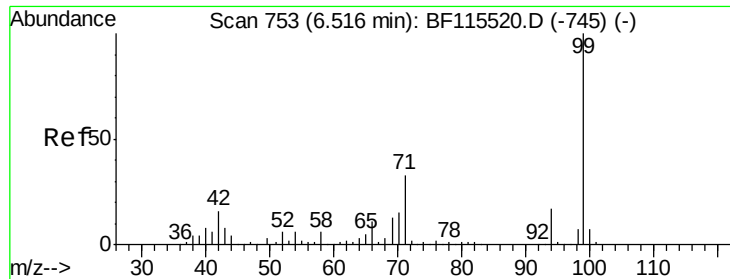
Abundance

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: 89.608 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115775.D

Acq: 25 Jul 2019 23:06

Instrument :

BNA_F

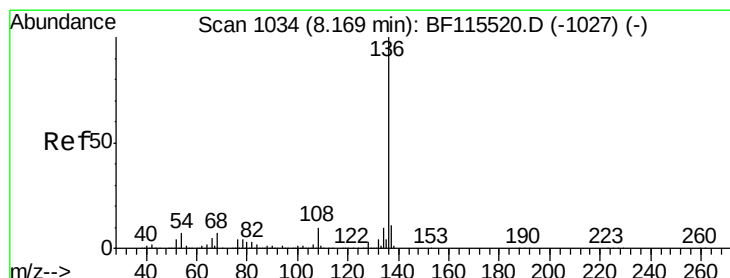
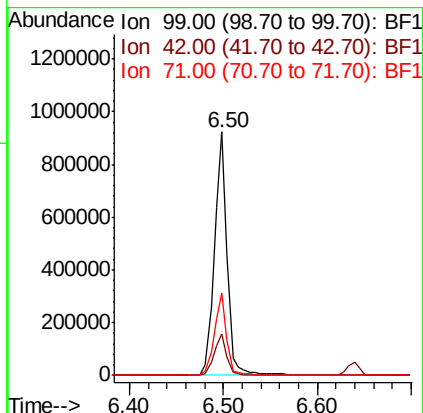
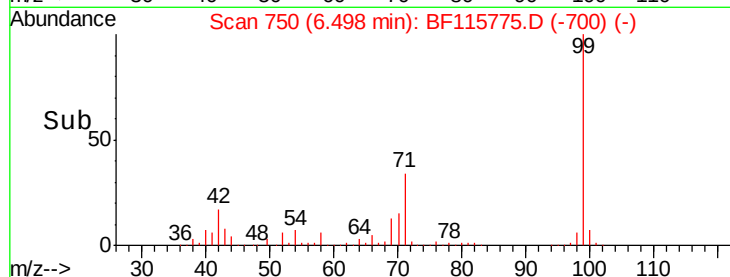
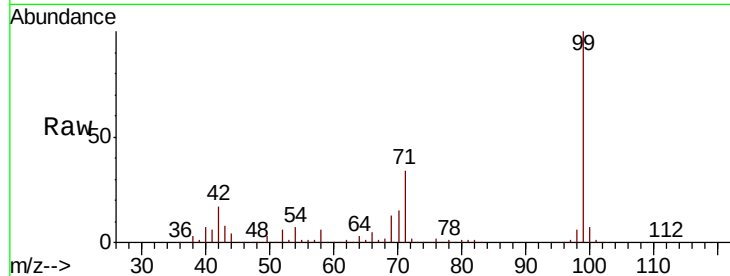
ClientSampleId :

SP-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		885968		
42	16.8	13.4	20.2		
71	33.8	26.7	40.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

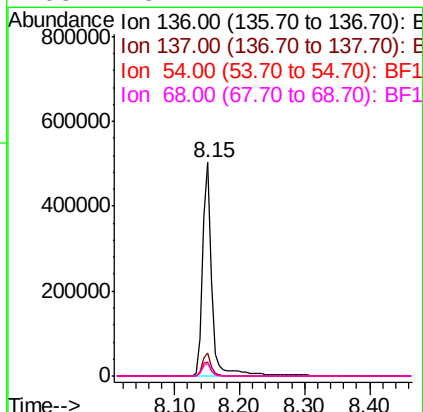
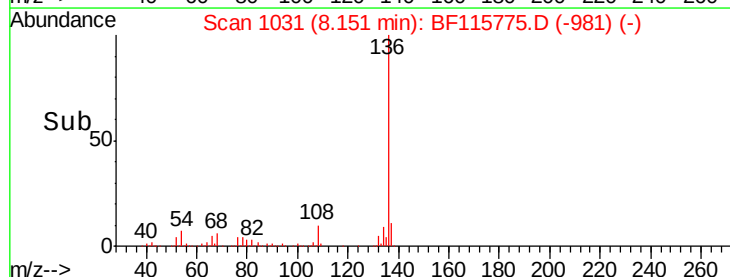
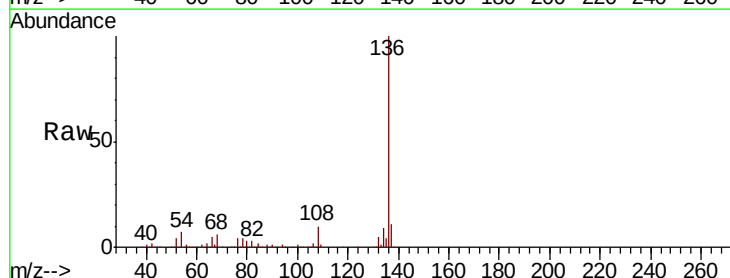
RT: 8.15 min Scan# 1031

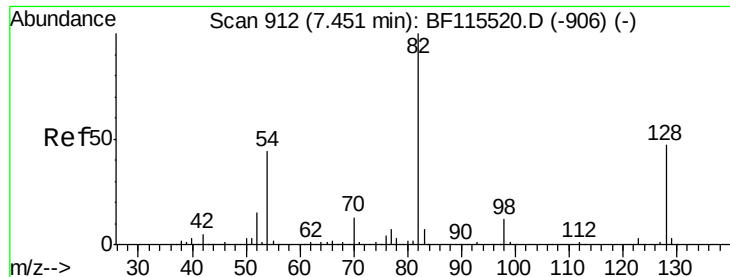
Delta R.T. -0.01 min

Lab File: BF115775.D

Acq: 25 Jul 2019 23:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		497980		
137	10.9	8.7	13.1		
54	6.5	5.0	7.6		
68	5.7	4.7	7.1		





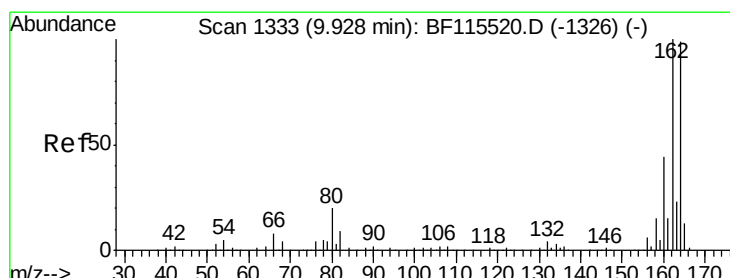
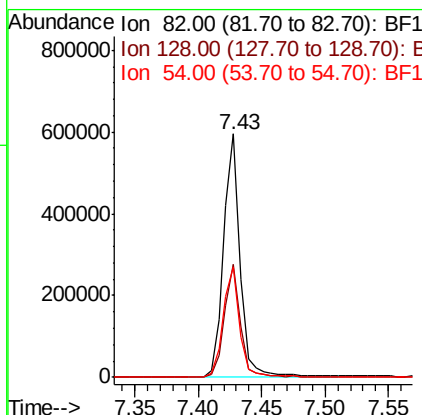
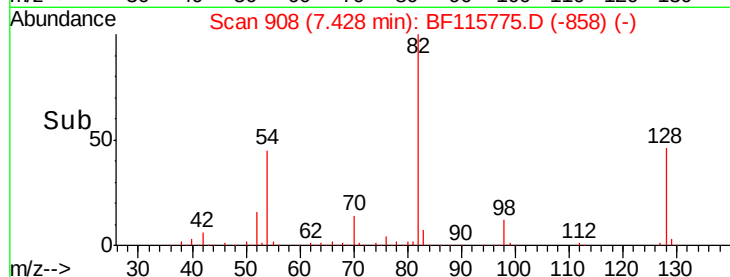
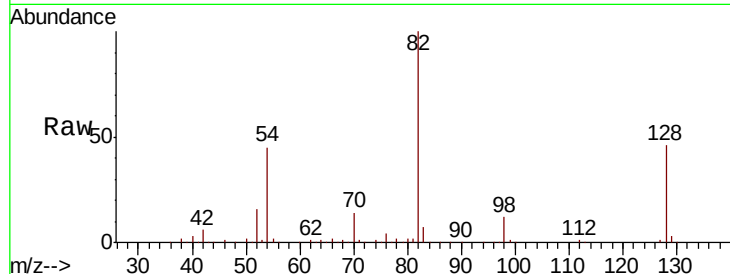
#23
Nitrobenzene-d5
Concen: 63.741 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	545890		
128	46.4	36.6	55.0	
54	45.1	36.6	54.8	

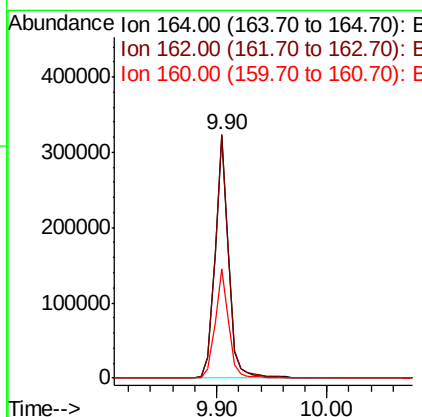
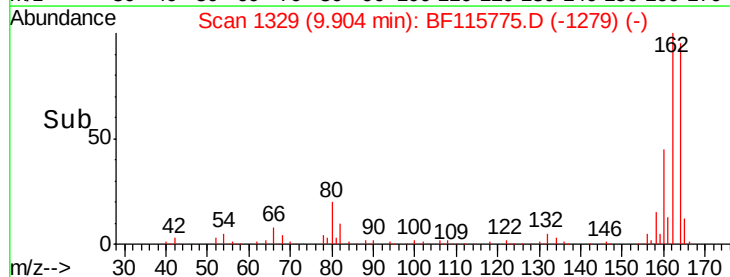
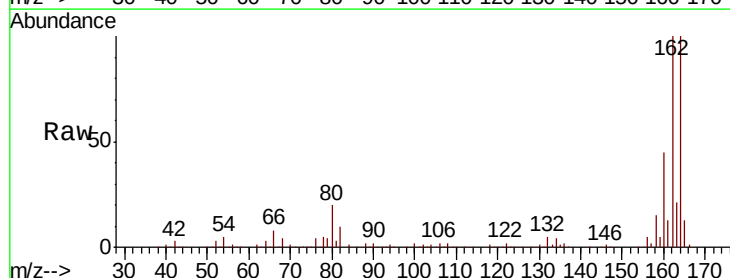
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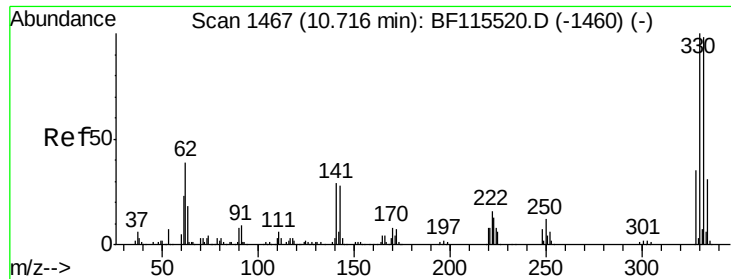
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	269622		
162	100.3	81.8	122.6	
160	45.1	37.5	56.3	





#42

2,4,6-Tribromophenol

Concen: 80.027 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF115775.D

Acq: 25 Jul 2019 23:06

Instrument :

BNA_F

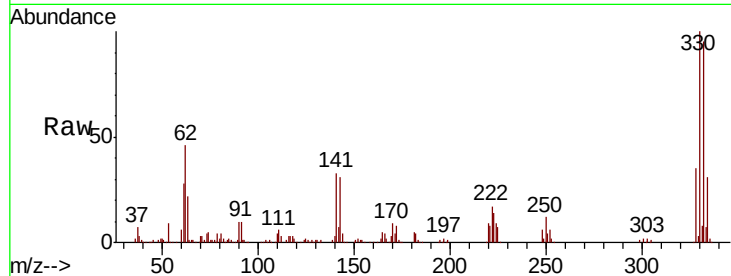
ClientSampleId :

SP-2

Tot Ion:	330	Resp:	251856
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.1	114.1
141	34.5	25.9	38.9

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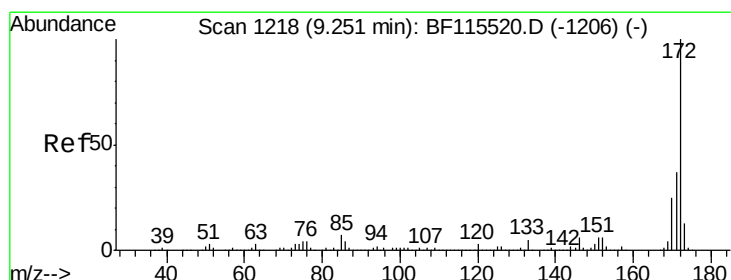
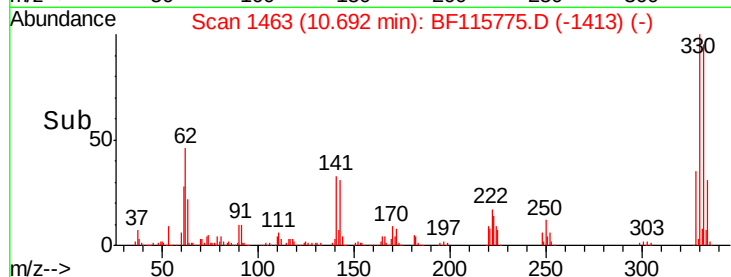
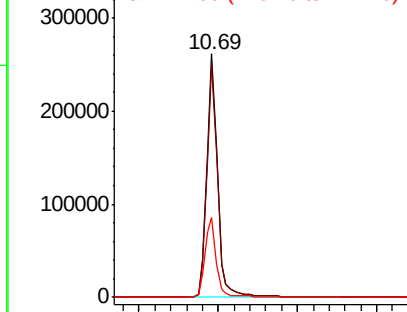


Abundance

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: 63.544 ng

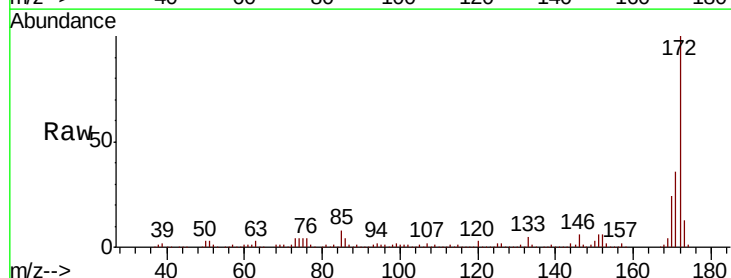
RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF115775.D

Acq: 25 Jul 2019 23:06

Tgt Ion:	172	Resp:	978857
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.4
170	23.6	20.1	30.1

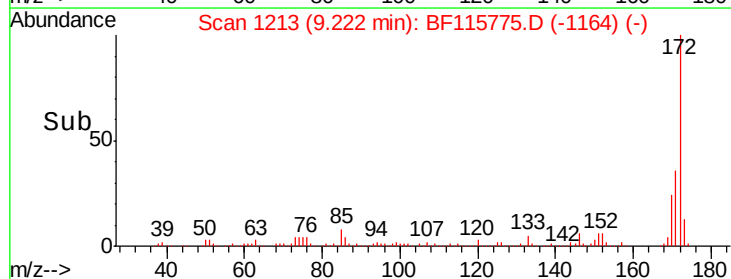
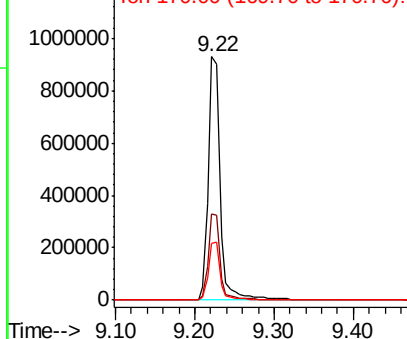


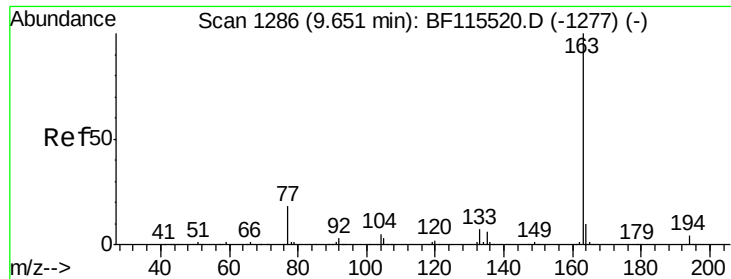
Abundance

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





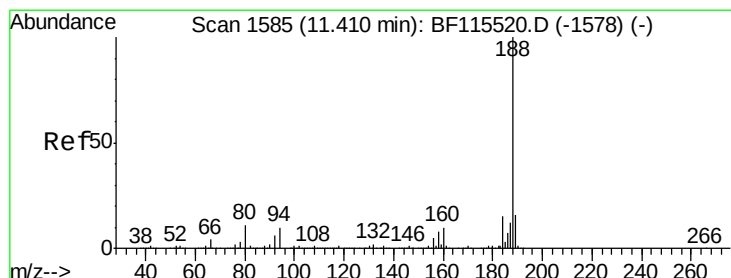
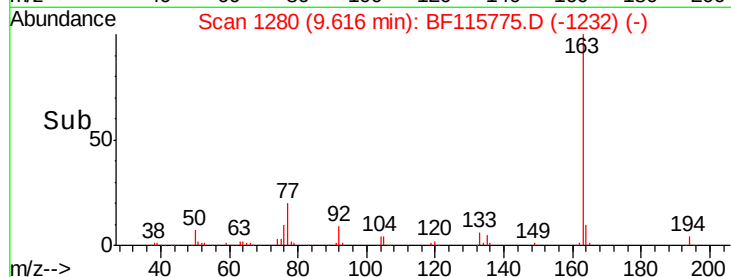
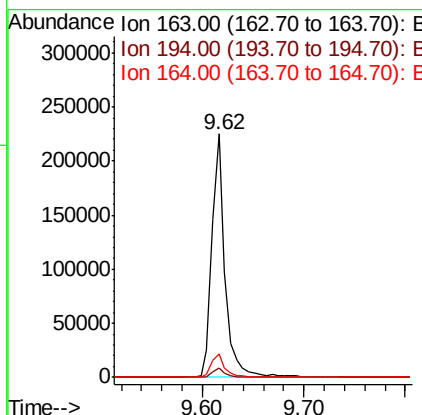
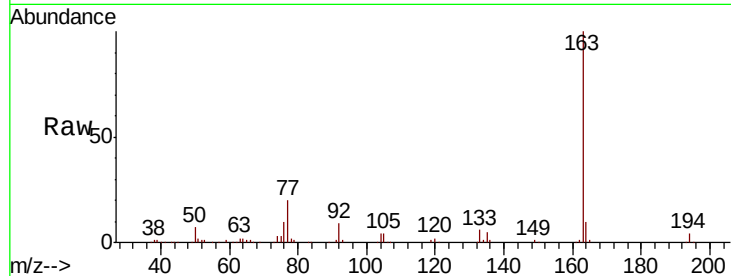
#50
Dimethylphthalate
Concen: 10.071 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	204294		
194	3.8		3.2	4.8
164	9.7		8.3	12.5

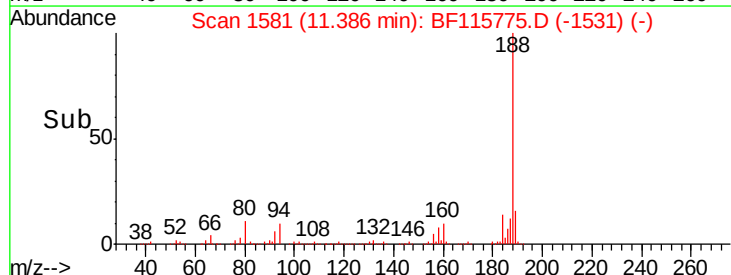
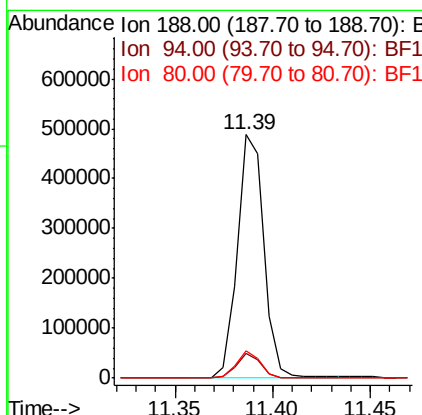
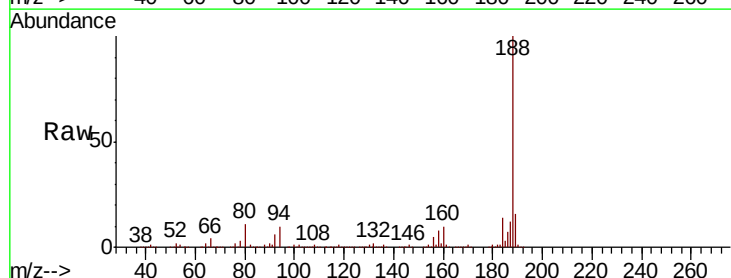
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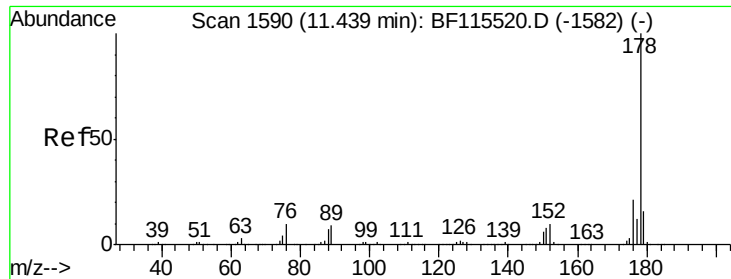
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	460622		
94	10.1		8.2	12.2
80	11.3		9.0	13.6





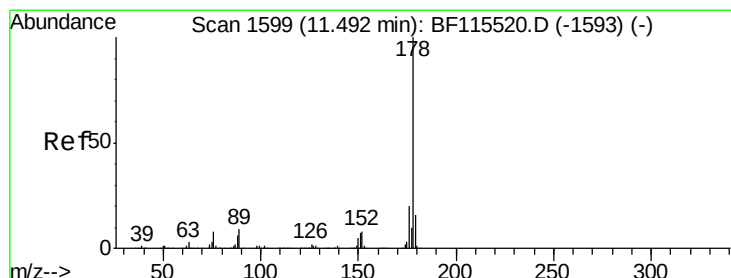
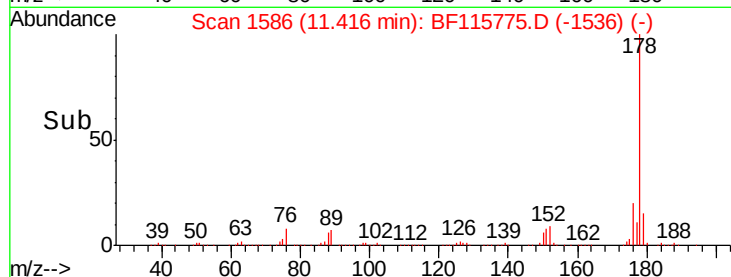
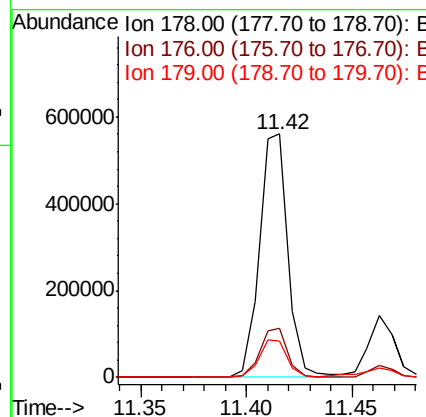
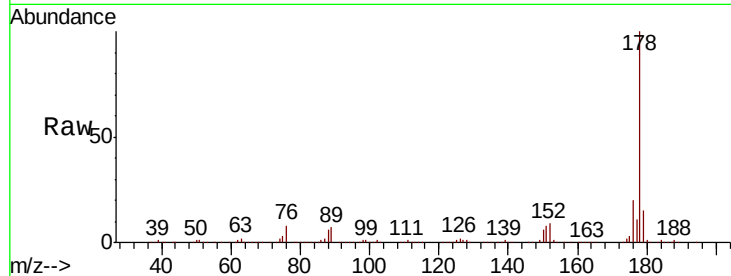
#71
Phenanthrene
Concen: 22.390 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.4	24.6
179	14.9	12.7	19.1

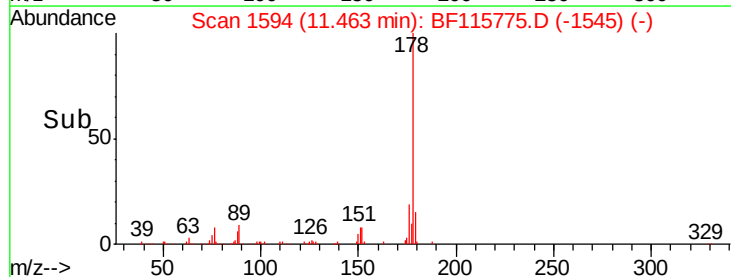
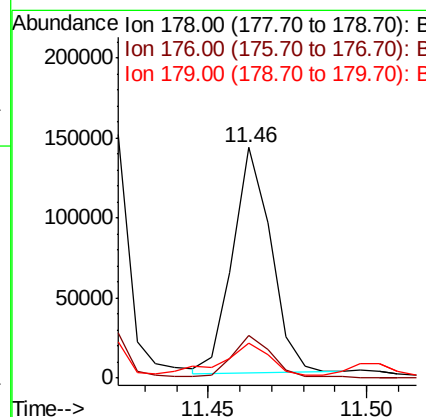
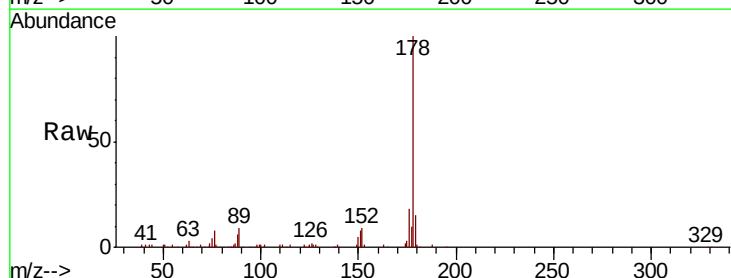
Manual Integrations
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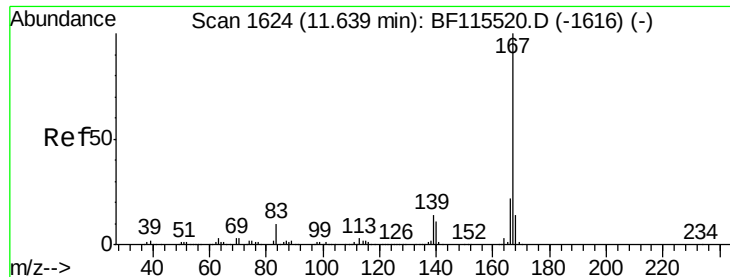
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#72
Anthracene
Concen: 4.854 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	15.4	12.6	18.8





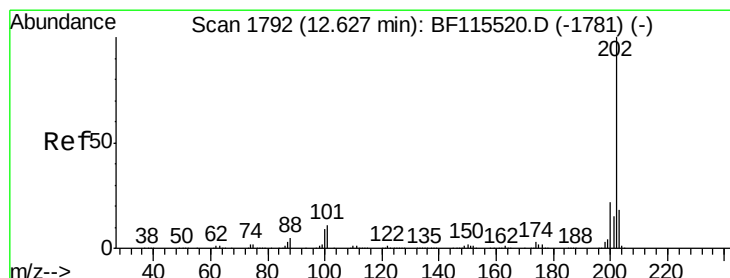
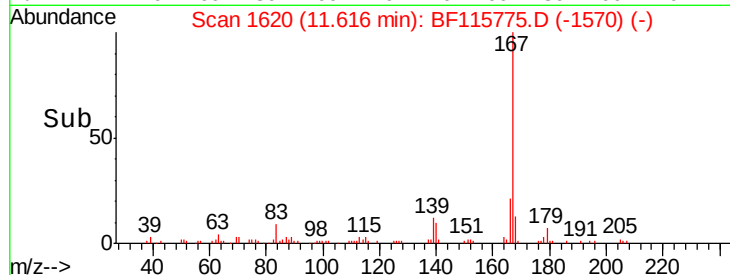
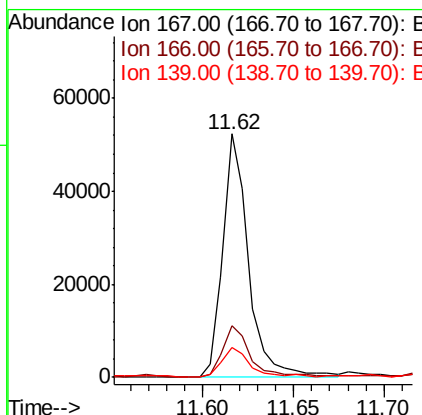
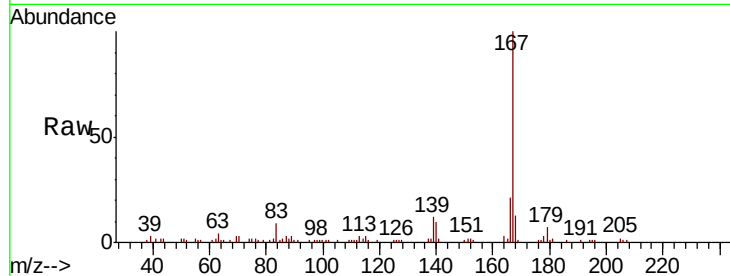
#73
 Carbazole
 Concen: 2.429 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF115775.D
 Acq: 25 Jul 2019 23:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	12.4	11.1	16.7

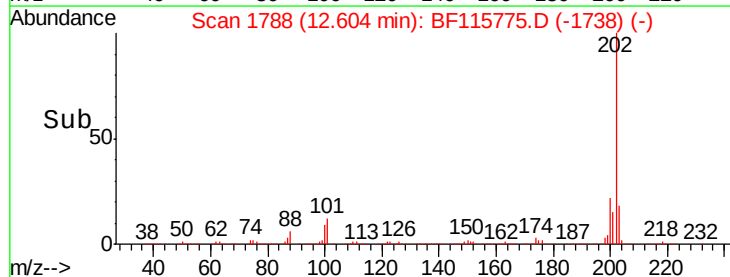
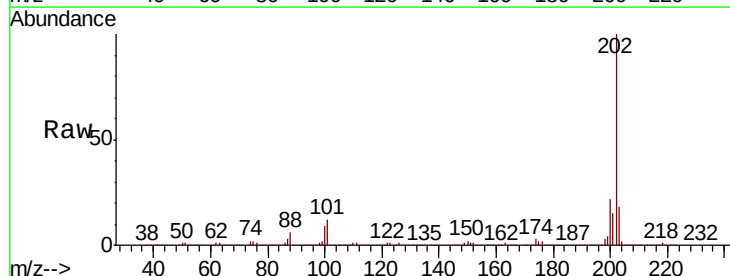
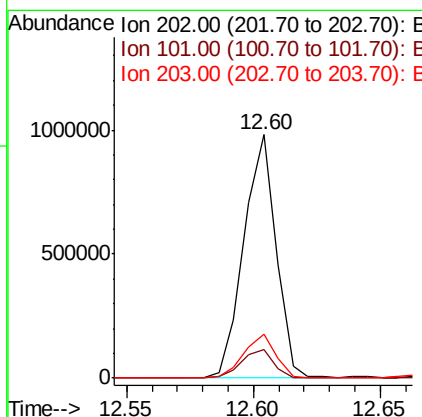
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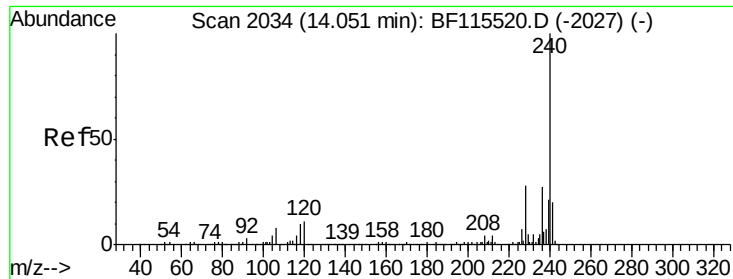
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#75
 Fluoranthene
 Concen: 34.950 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: BF115775.D
 Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.6
203	18.0	0.0	38.0





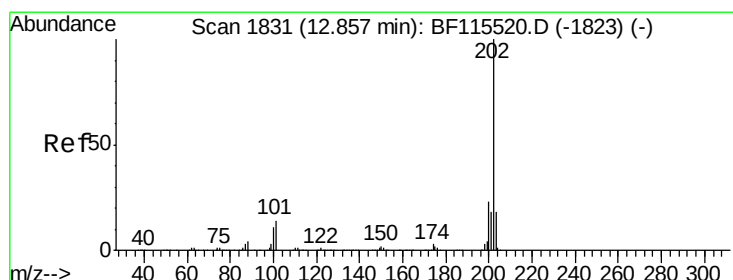
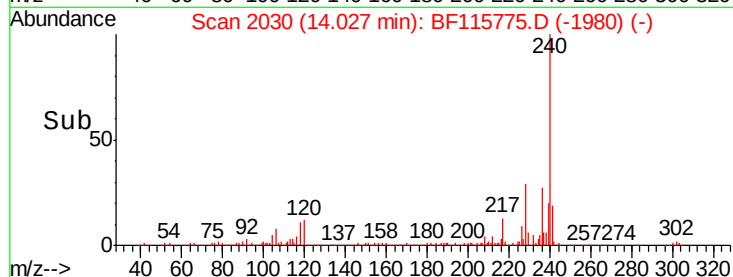
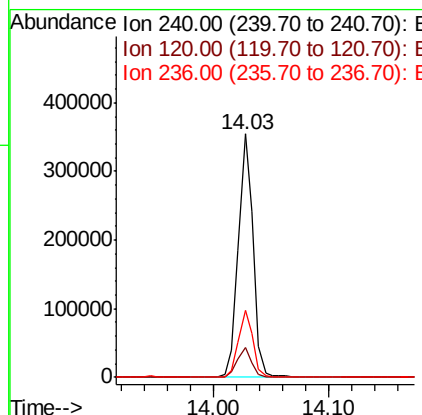
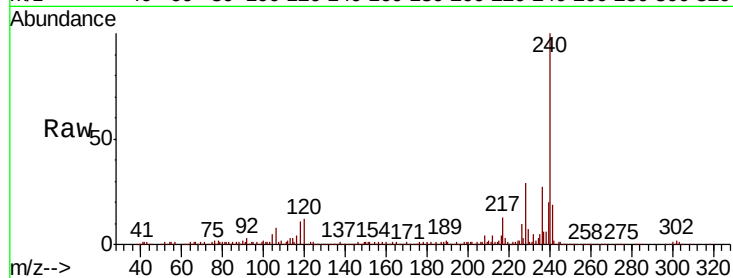
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	312195		
120	12.0	10.0	15.0	
236	27.3	21.8	32.6	

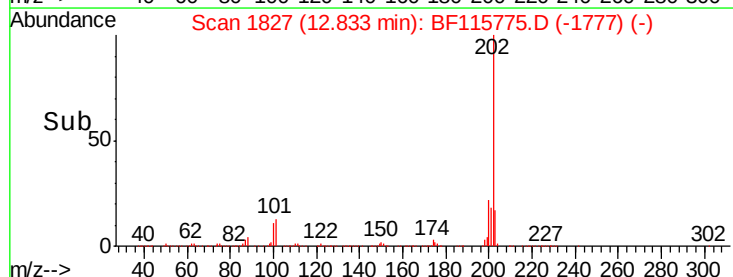
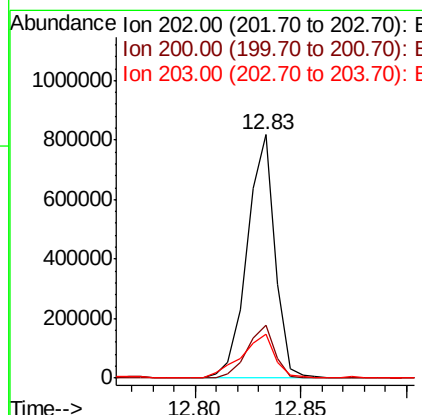
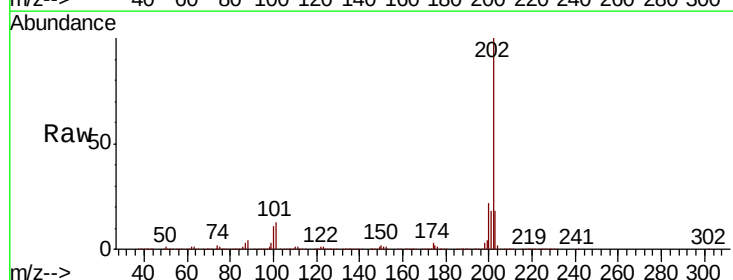
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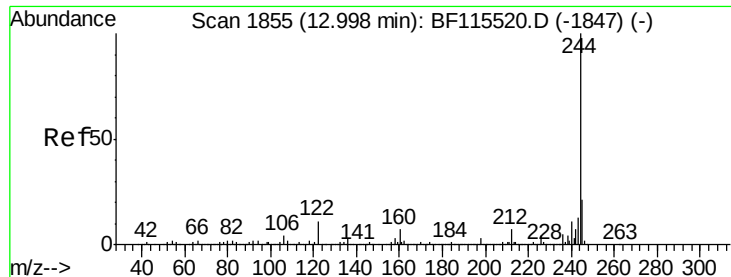
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#78
Pyrene
Concen: 28.285 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	748139		
200	21.9	18.2	27.4	
203	17.8	14.6	21.8	





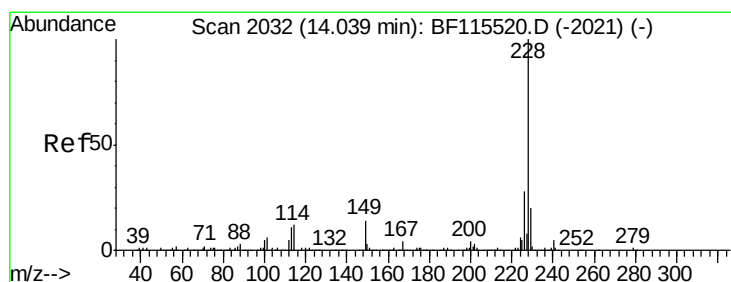
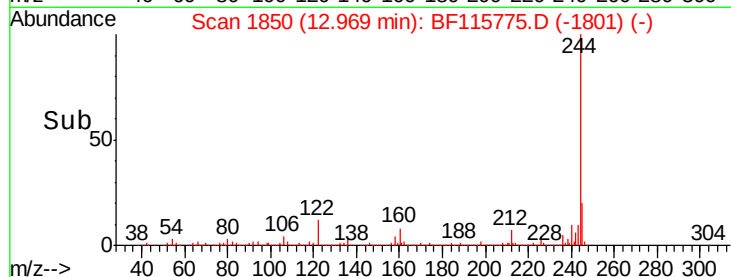
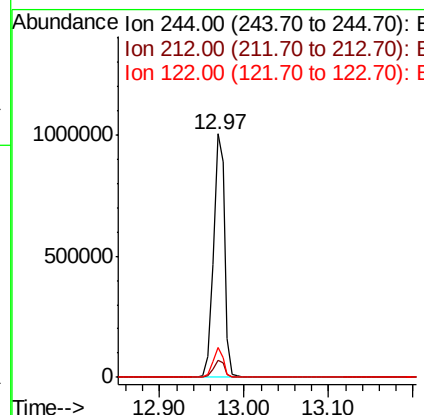
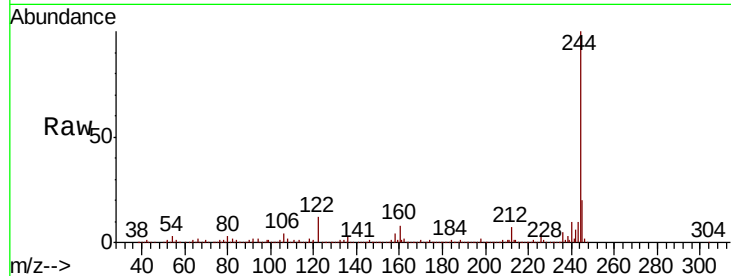
#79
 Terphenyl-d14
 Concen: 55.505 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF115775.D
 Acq: 25 Jul 2019 23:06

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	12.3	8.2	12.4

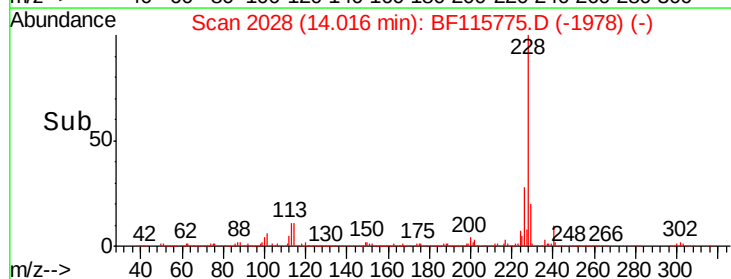
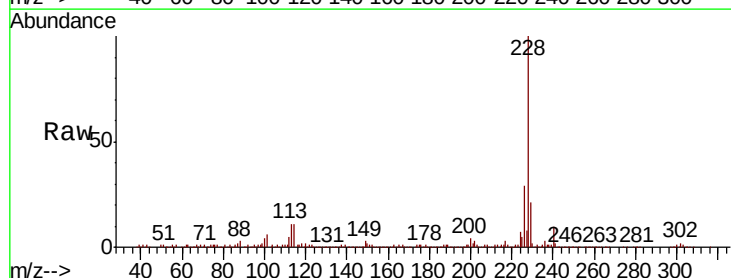
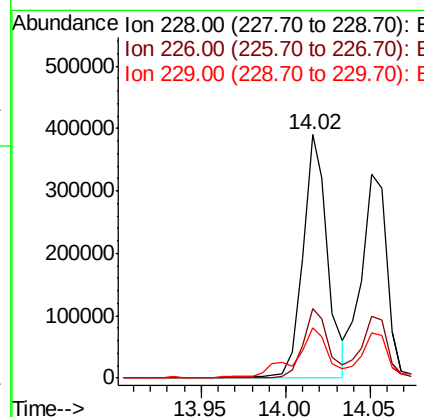
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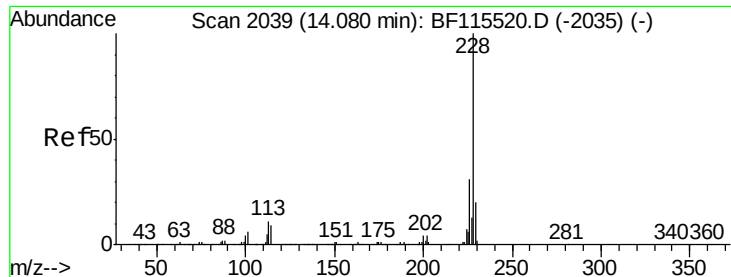
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#81
 Benzo(a)anthracene
 Concen: 19.216 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF115775.D
 Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.2
229	20.6	16.1	24.1





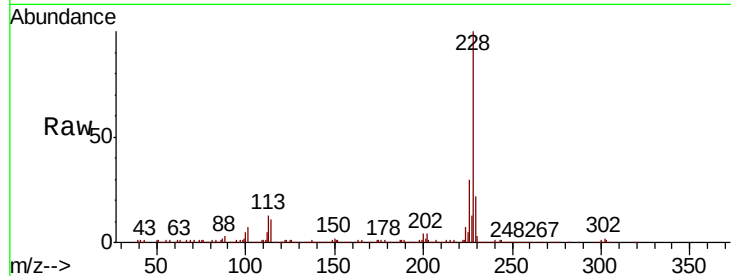
#83
Chrysene
Concen: 16.579 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.5	16.2	24.2

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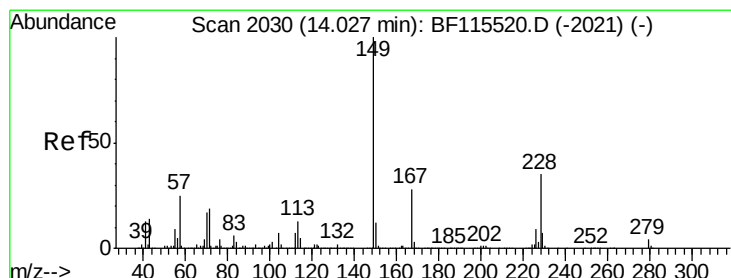
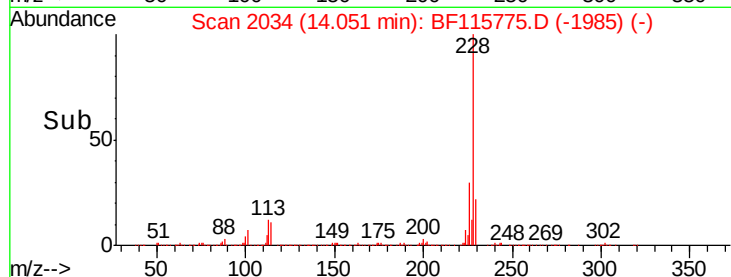
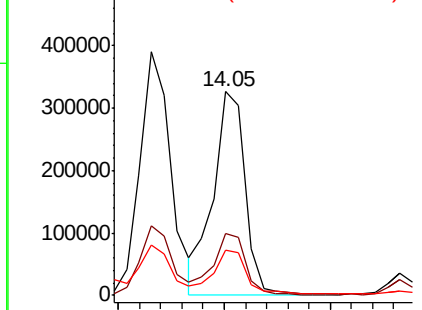


Abundance

Ion 228.00 (227.70 to 228.70): E

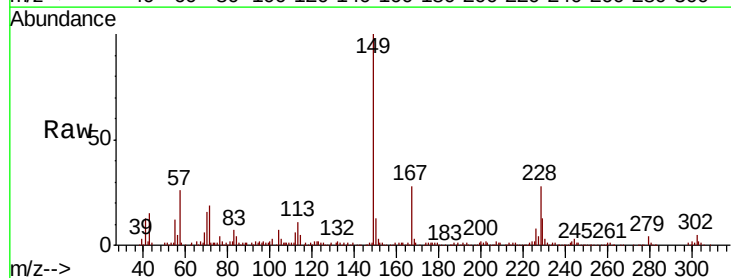
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.808 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.5	3.1	4.7

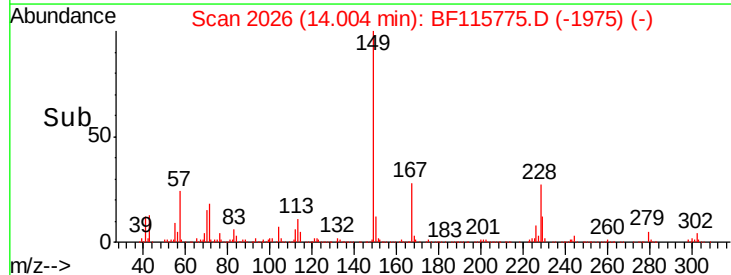
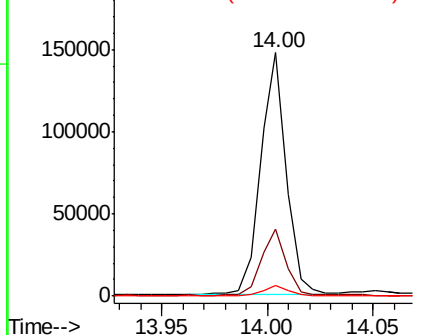


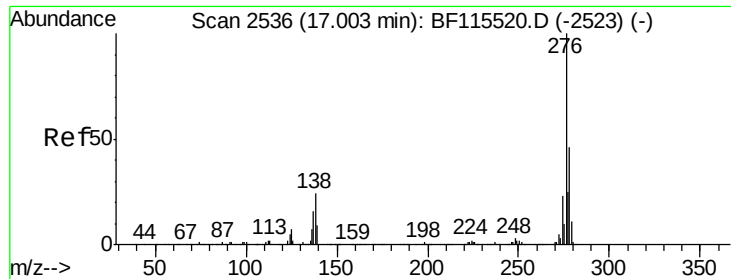
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





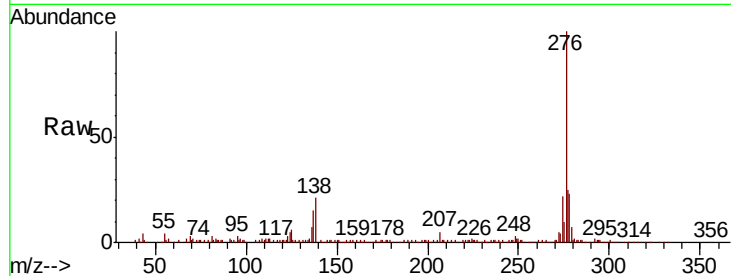
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.238 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	20.1	30.1
277	23.6	19.8	29.8

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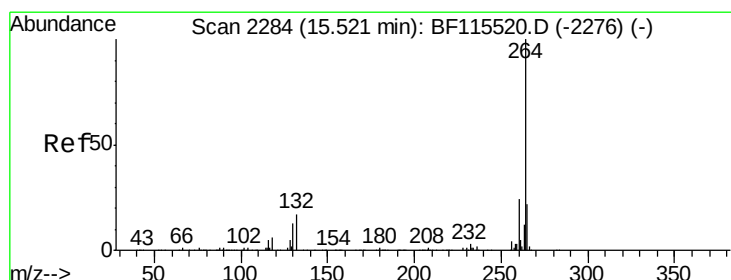
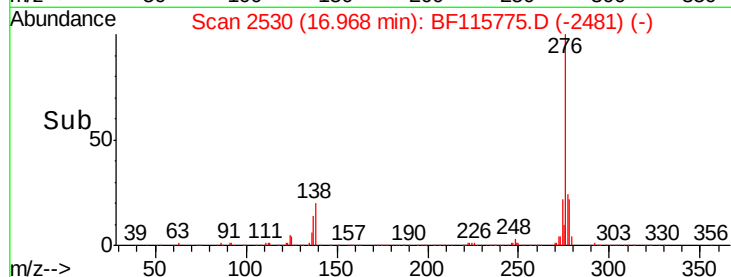
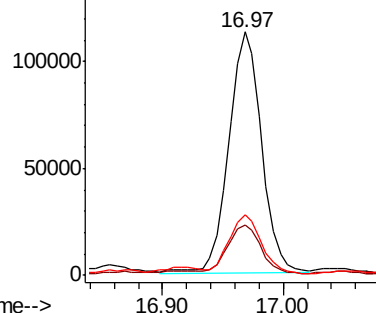


Abundance

Ion 276.00 (275.70 to 276.70): E

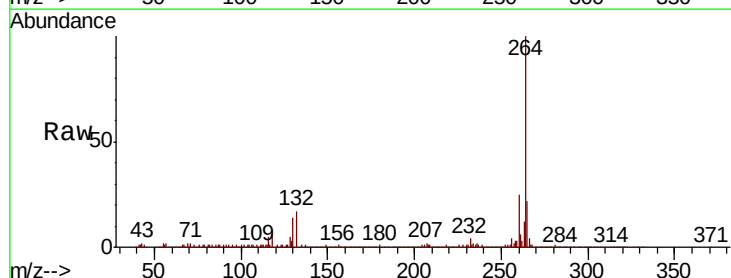
Ion 138.00 (137.70 to 138.70): E

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: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.8	29.6
265	22.4	17.5	26.3

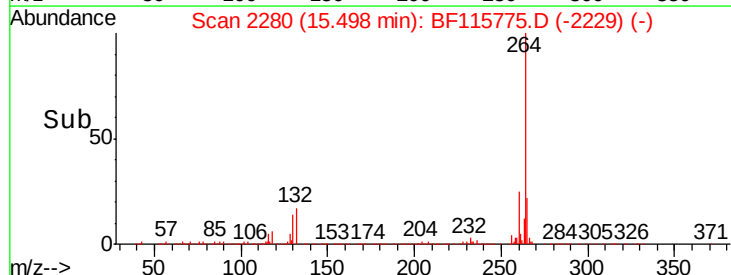
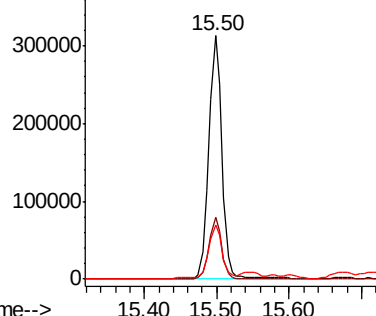


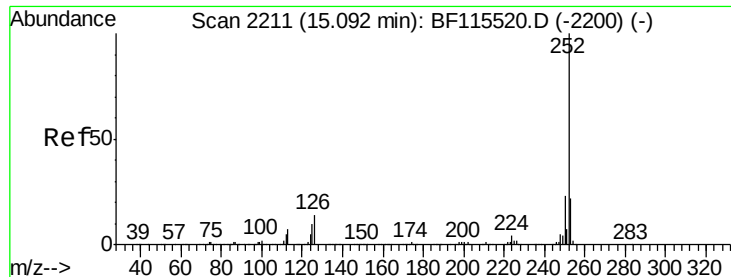
Abundance

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





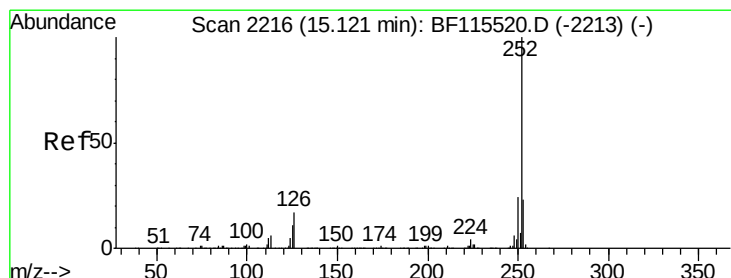
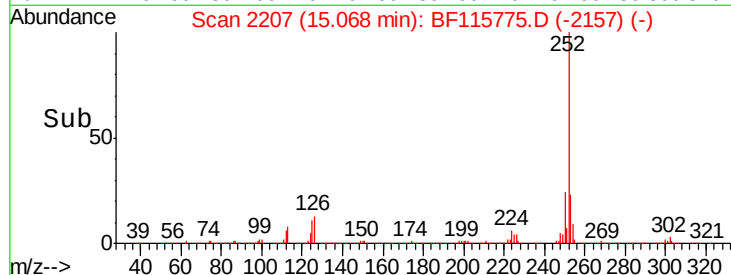
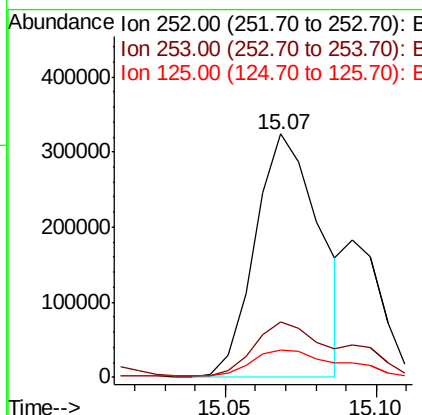
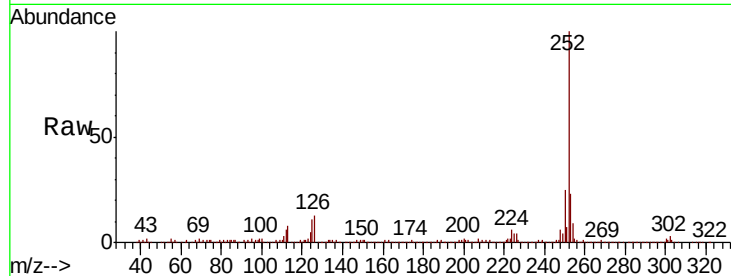
#88
Benzo(b)fluoranthene
Concen: 18.776 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.0	8.4	12.6

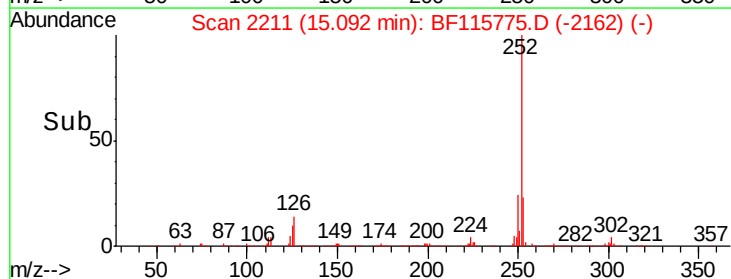
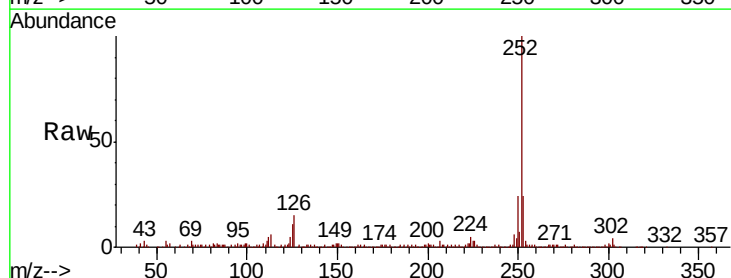
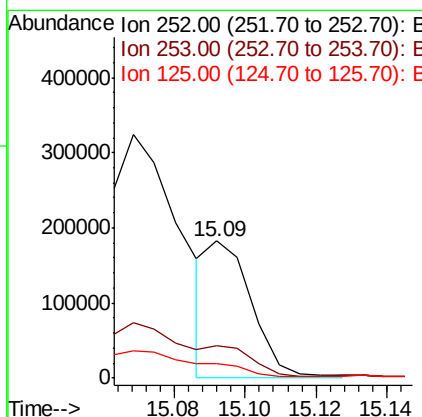
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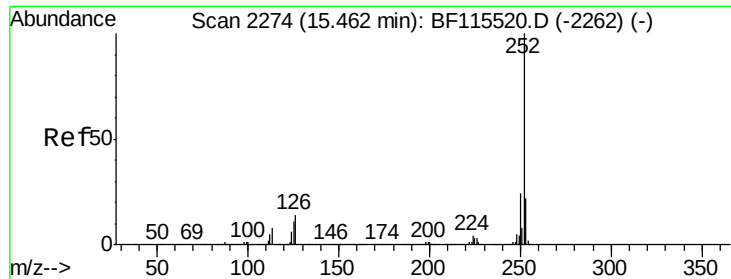
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#89
Benzo(k)fluoranthene
Concen: 6.867 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	10.9	8.6	13.0





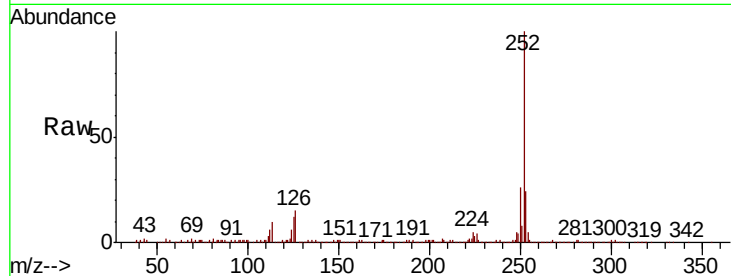
#90
Benzo(a)pyrene
Concen: 15.249 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Instrument :
BNA_F
ClientSampleId :
SP-2

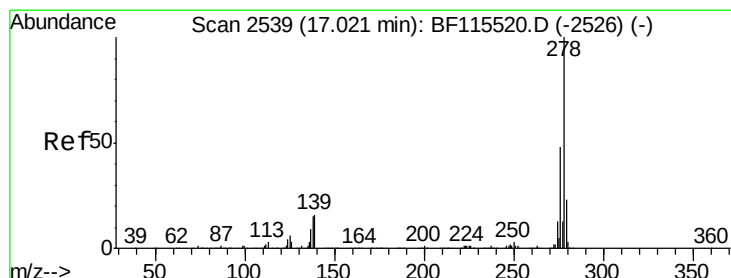
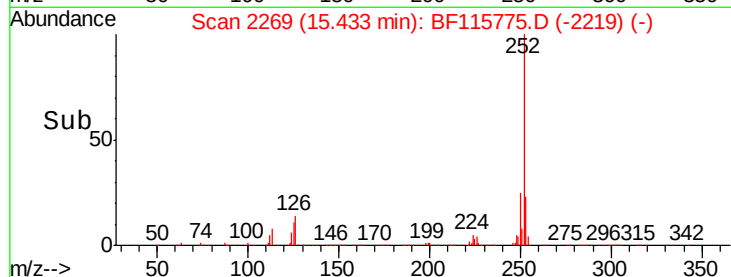
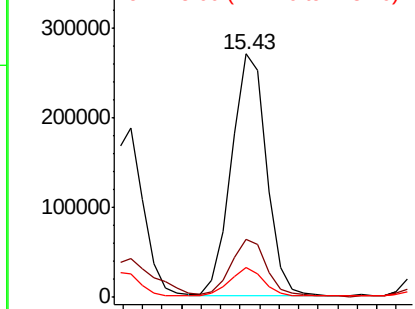
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	12.1	9.4	14.2

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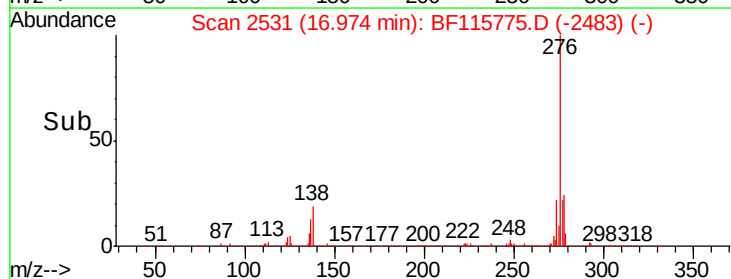
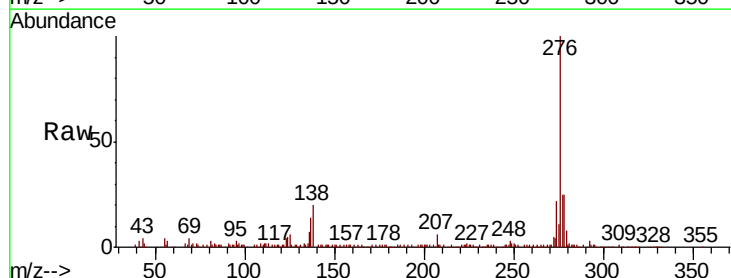
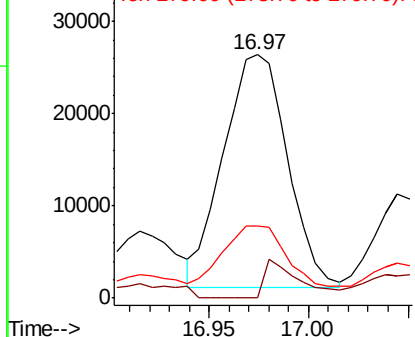
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

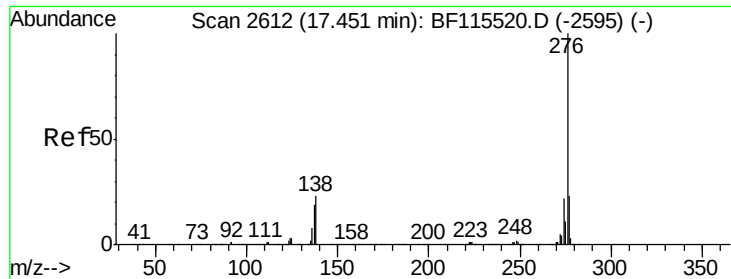


#91
Dibenzo(a,h)anthracene
Concen: 2.909 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF115775.D
Acq: 25 Jul 2019 23:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.6	20.4#
279	29.7	19.6	29.4#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 9.728 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF115775.D
 Acq: 25 Jul 2019 23:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.1	27.1
138	20.1	16.6	24.8

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