

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115963.D
 Acq On : 2 Aug 2019 22:44
 Operator : HP/JU
 Sample : K4049-01DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:44:56 PM

Quant Time: Aug 03 06:40:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	120382	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	472470	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	257815	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	471073	20.00	ng	0.00
76) Chrysene-d12	14.03	240	312882	20.00	ng	0.00
87) Perylene-d12	15.50	264	377488	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	372083	51.74	ng	0.00
7) Phenol-d6	6.48	99	508269	56.02	ng	0.00
23) Nitrobenzene-d5	7.41	82	310277	37.91	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	133955	53.59	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	530239	38.52	ng	0.00
79) Terphenyl-d14	12.96	244	584252	39.35	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.75	152	91821	4.155	ng	97
50) Dimethylphthalate	9.60	163	77560	4.418	ng	99
58) Fluorene	10.44	166	32620	2.150	ng	# 97
71) Phenanthrene	11.40	178	999187	41.491	ng	100
72) Anthracene	11.45	178	210560	8.639	ng	99
73) Carbazole	11.61	167	108550	4.909	ng	97
75) Fluoranthene	12.60	202	1716905	68.099	ng	99
78) Pyrene	12.83	202	1588496	67.351	ng	99
81) Benzo(a)anthracene	14.02	228	763877	38.197	ng	97
83) Chrysene	14.05	228	680651	35.058	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	404161	24.785	ng	95
88) Benzo(b)fluoranthene	15.07	252	807361m	36.989	ng	
89) Benzo(k)fluoranthene	15.10	252	330644m	15.553	ng	
90) Benzo(a)pyrene	15.44	252	635449	32.568	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	108526m	6.426	ng	
92) Benzo(g,h,i)perylene	17.43	276	353486	21.311	ng	98

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

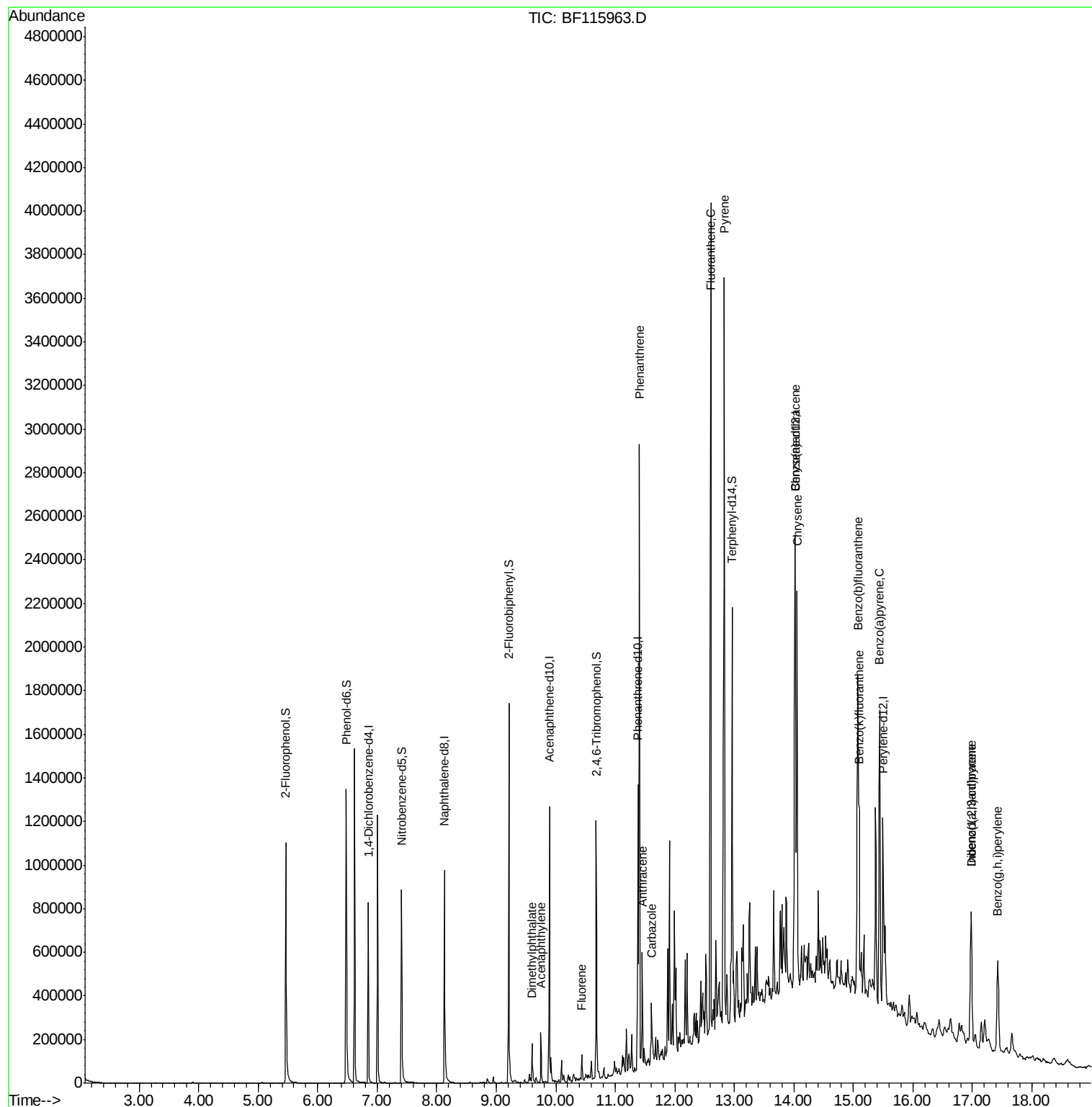
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#1

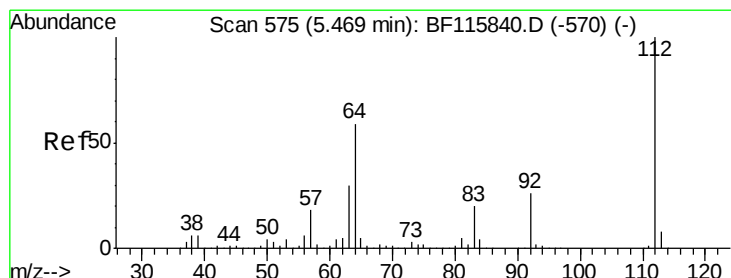
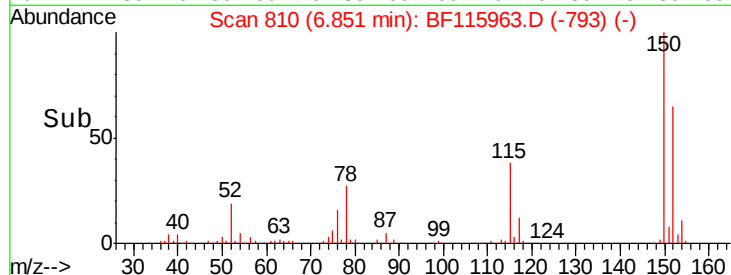
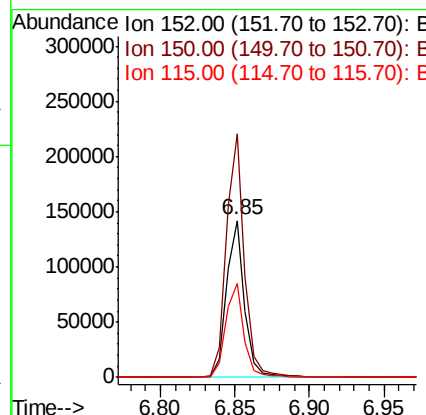
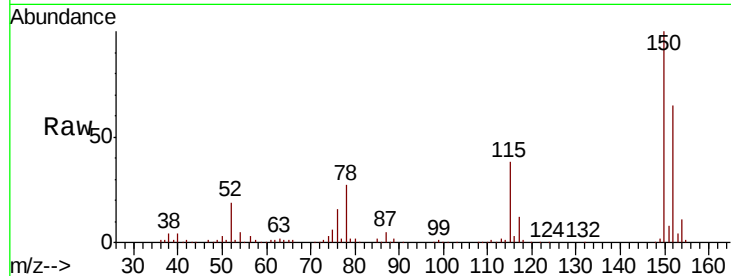
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Instrument :
BNA_F
ClientSampled :
SP-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	59.5	51.8	77.8

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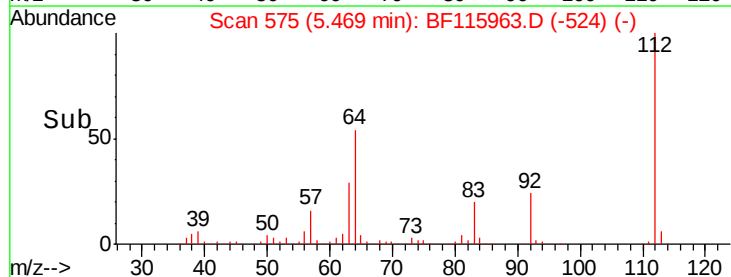
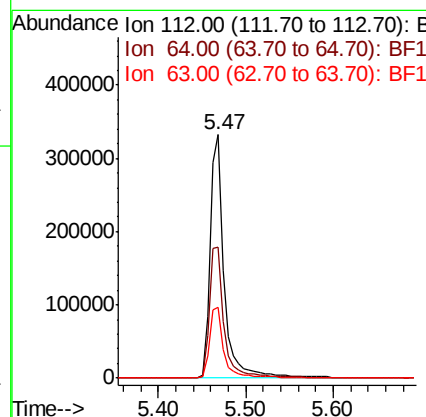
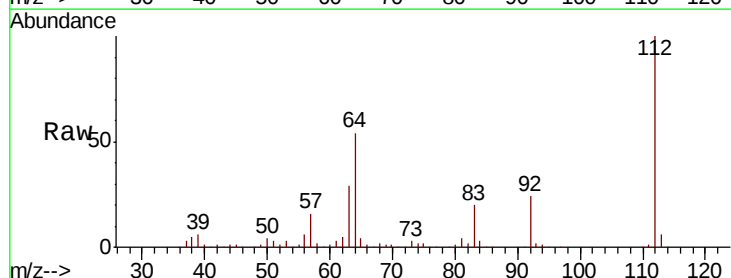
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#5

2-Fluorophenol
Concen: 51.743 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.8	70.2
63	29.2	24.2	36.2





#7

Phenol-d6

Concen: 56.022 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Instrument :

BNA_F

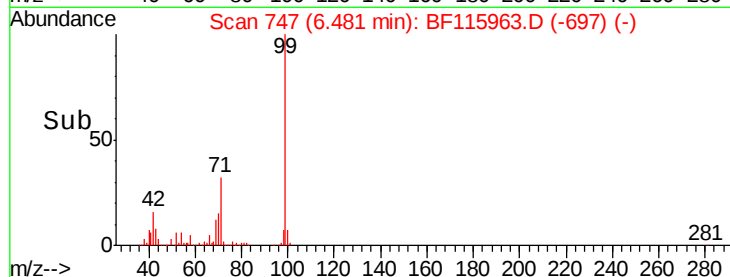
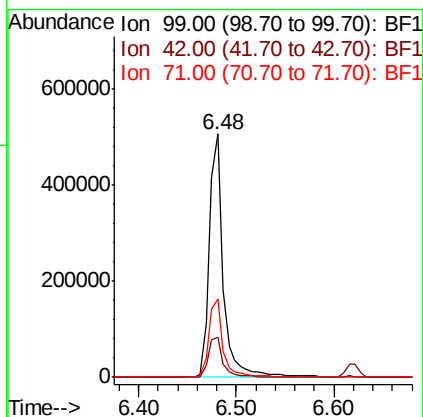
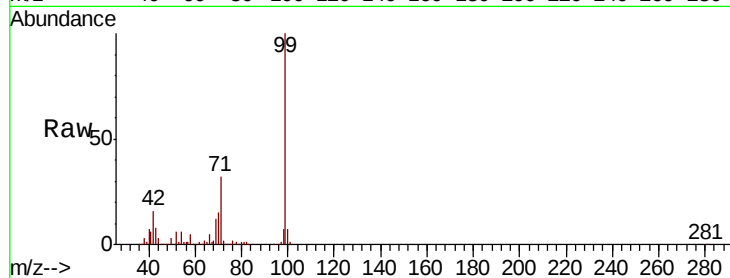
ClientSampleId :

SP-1DL

Tot Ion:	99	Resp:	508269
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.8	20.6
71	32.0	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

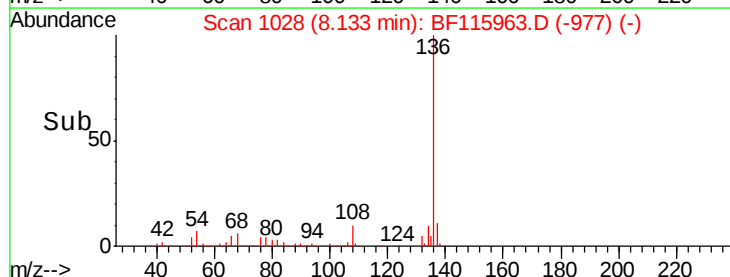
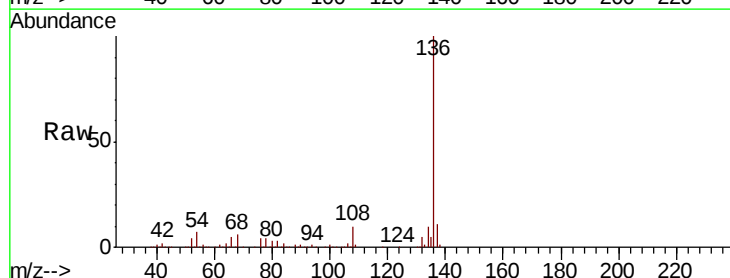
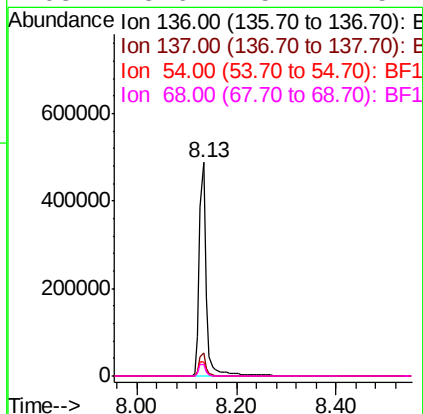
RT: 8.13 min Scan# 1028

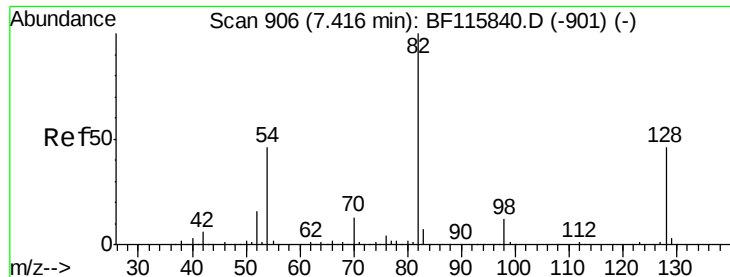
Delta R.T. 0.00 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Tgt Ion:	136	Resp:	472470
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.6	6.1	9.1
68	5.6	5.4	8.2





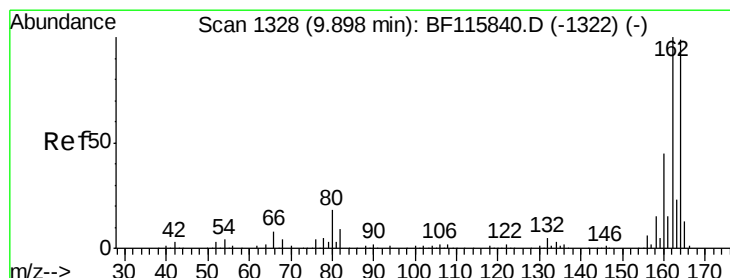
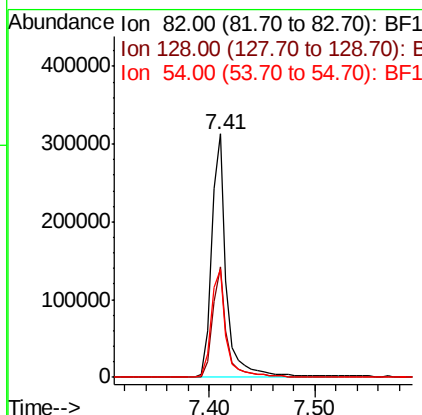
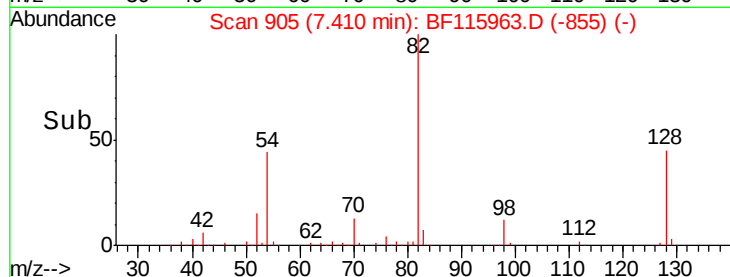
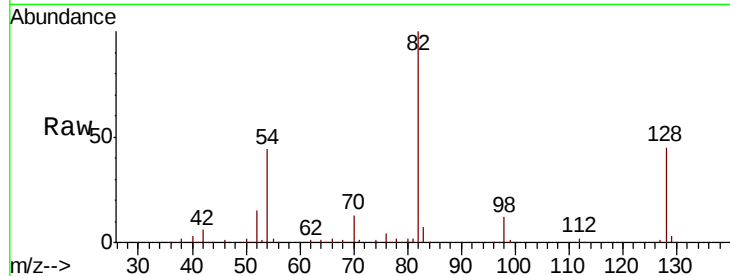
#23
Nitrobenzene-d5
Concen: 37.907 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Instrument :
BNA_F
ClientSampled :
SP-1DL

Tot Ion	82	Resp	310277
Ion Ratio	100	Lower	Upper
82	100		
128	45.4	36.6	55.0
54	44.3	36.6	55.0

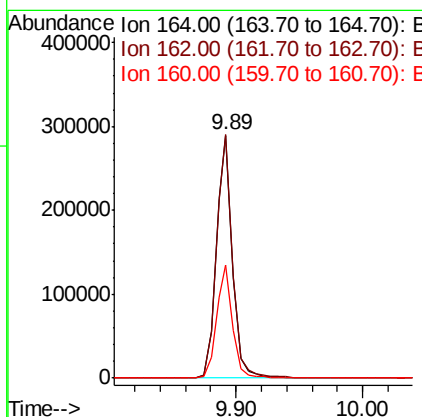
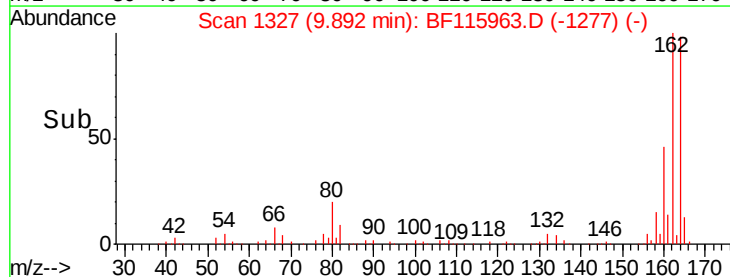
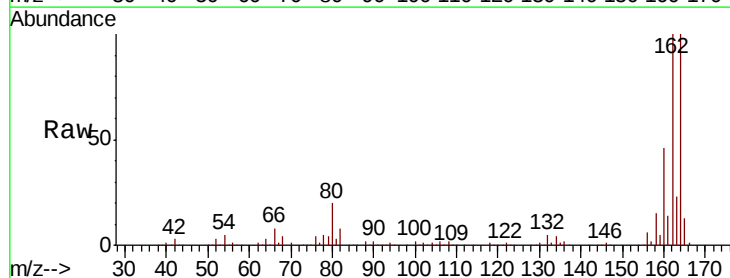
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Tgt Ion	164	Resp	257815
Ion Ratio	100	Lower	Upper
164	100		
162	100.4	80.8	121.2
160	46.5	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 53.591 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Instrument :

BNA_F

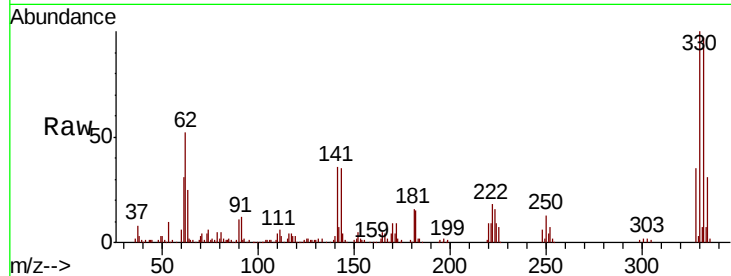
ClientSampled :

SP-1DL

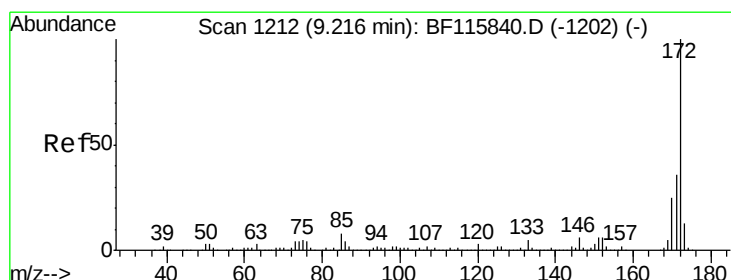
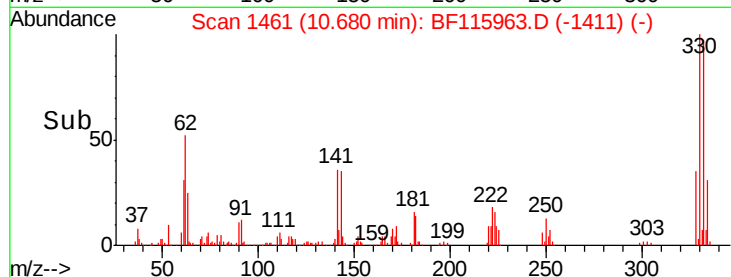
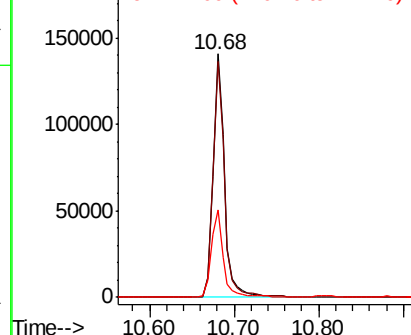
Tot Ion:	330	Resp:	133955
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.7	116.5
141	38.7	28.1	42.1

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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: 38.523 ng

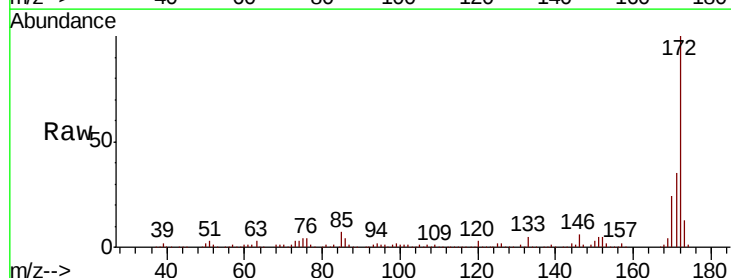
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

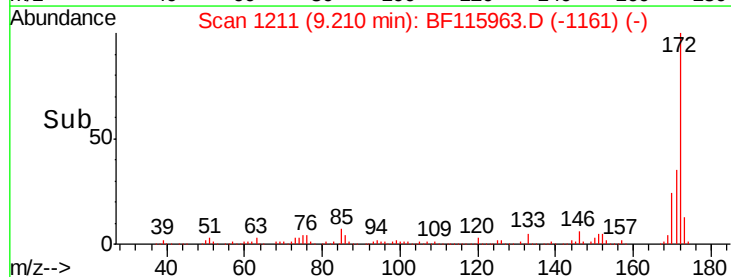
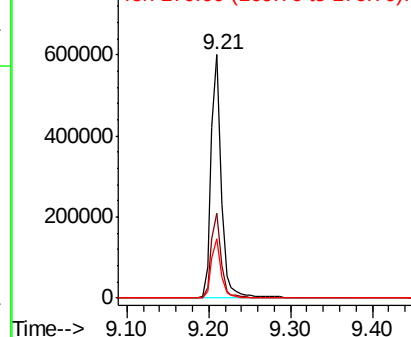
Lab File: BF115963.D

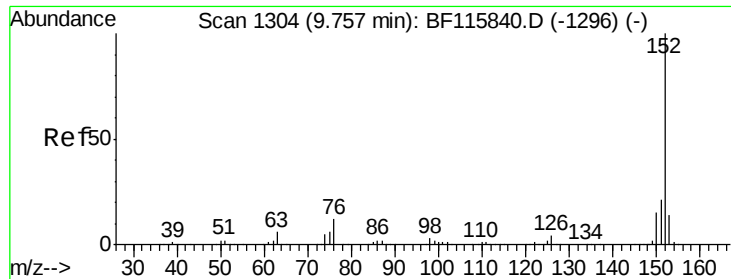
Acq: 2 Aug 2019 22:44

Tgt Ion:	172	Resp:	530239
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.1	43.7
170	24.3	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: 4.155 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Instrument :

BNA_F

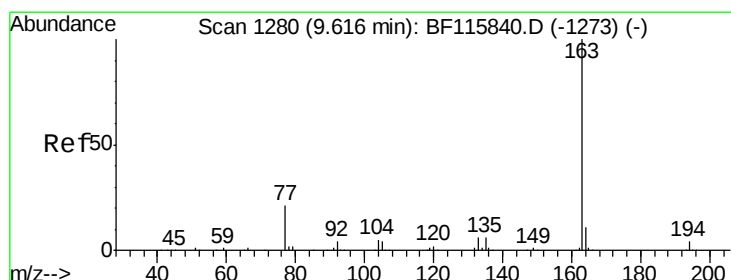
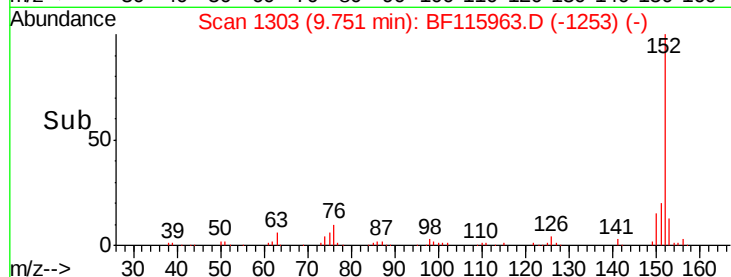
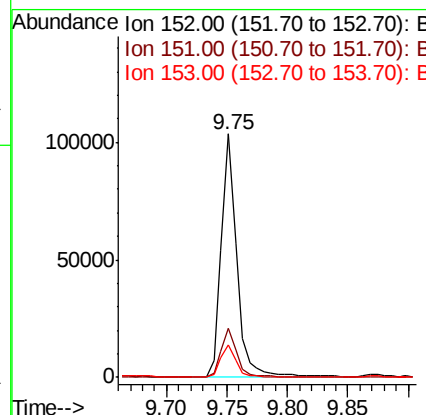
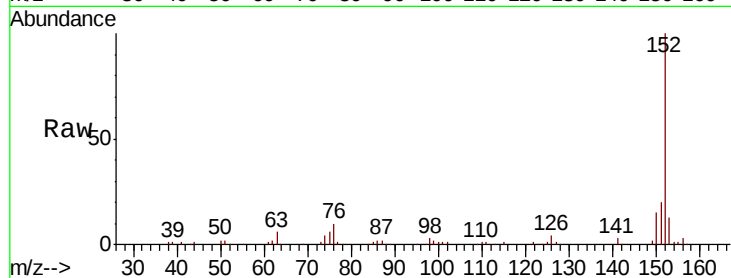
ClientSampled :

SP-1DL

Tot Ion:	152	Resp:	91821
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	13.3	11.6	17.4

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#50

Dimethylphthalate

Concen: 4.418 ng

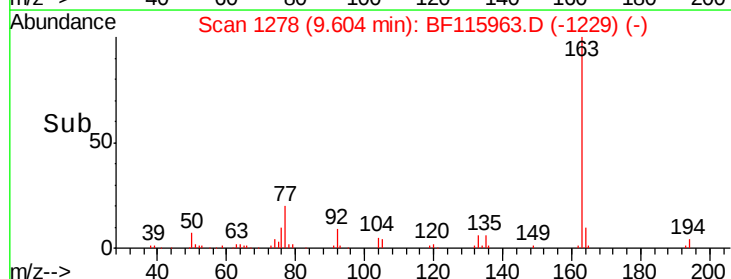
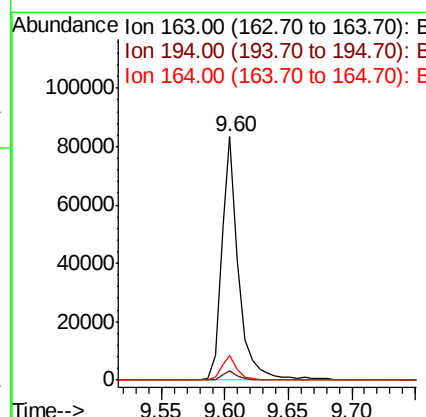
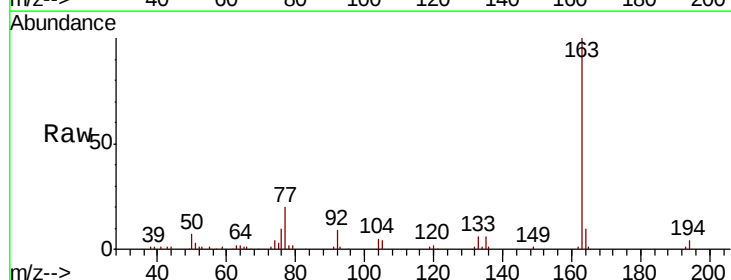
RT: 9.60 min Scan# 1278

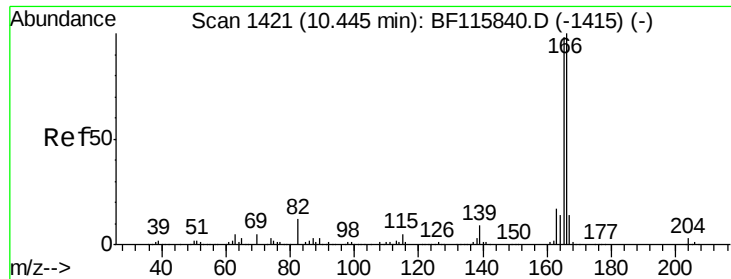
Delta R.T. -0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Tgt Ion:	163	Resp:	77560
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.1	8.4	12.6





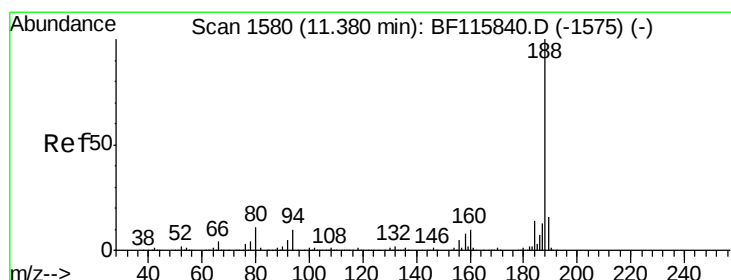
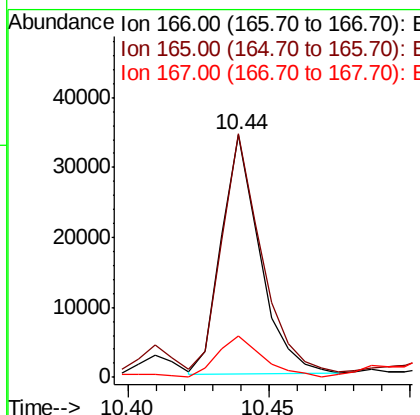
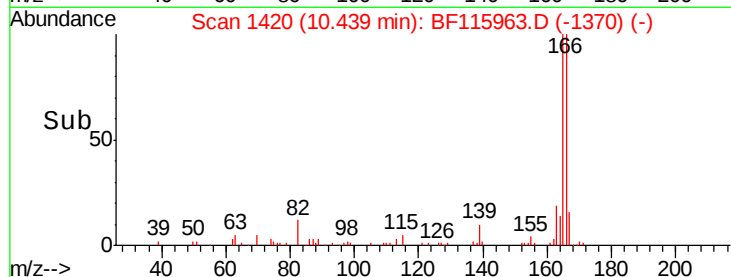
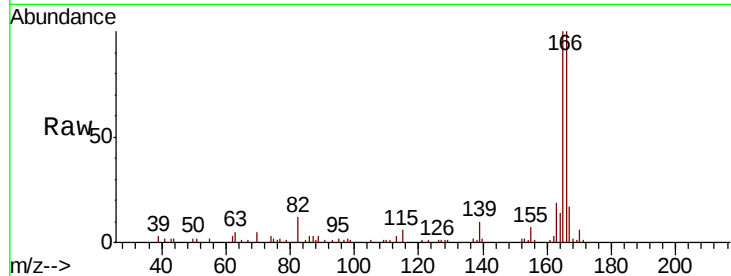
#58
 Fluorene
 Concen: 2.150 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115963.D
 Acq: 2 Aug 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.6	118.0
167	16.9	10.9	16.3#

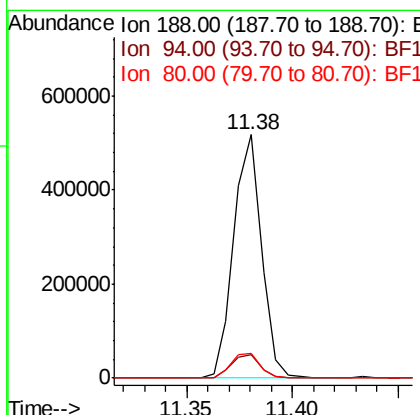
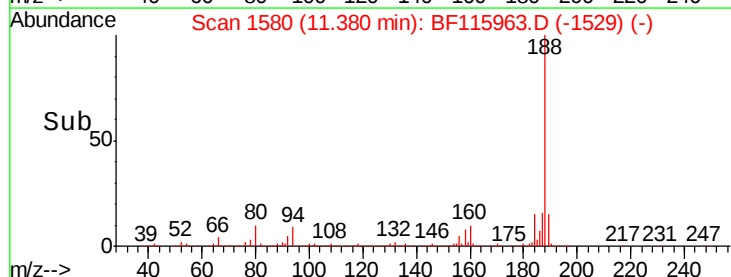
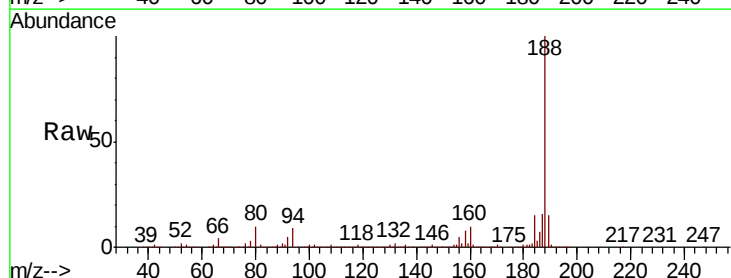
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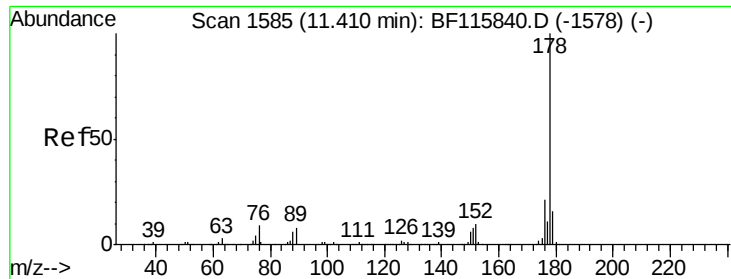
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115963.D
 Acq: 2 Aug 2019 22:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	10.1	8.6	12.8





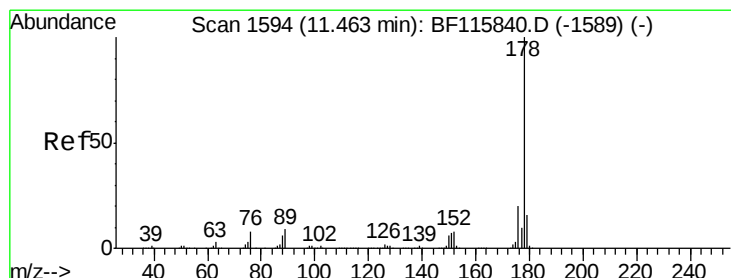
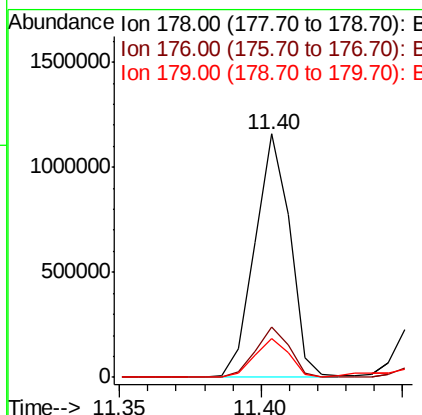
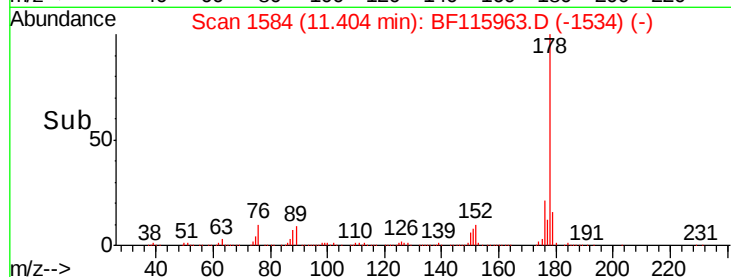
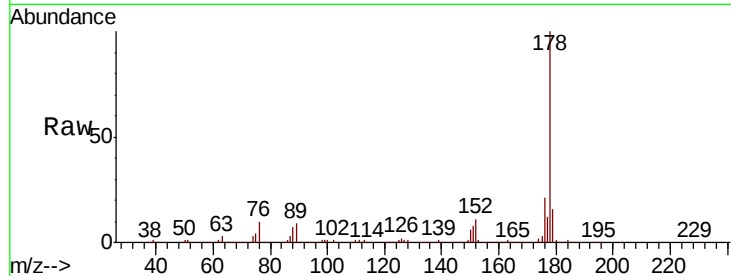
#71
Phenanthrene
Concen: 41.491 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.5	24.7
179	15.9	12.6	18.8

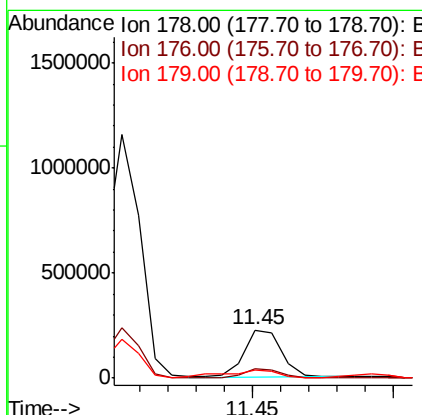
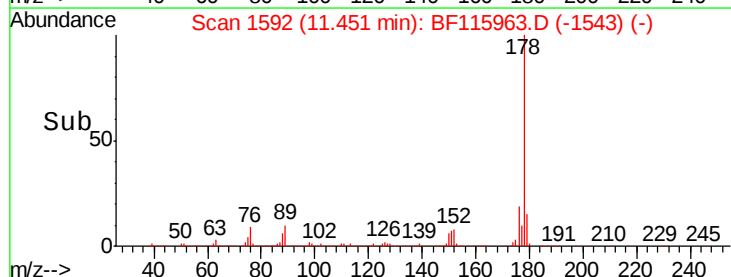
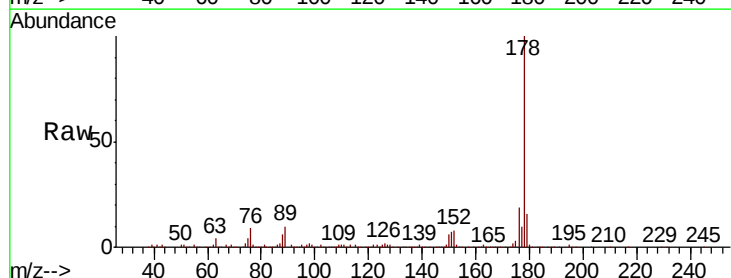
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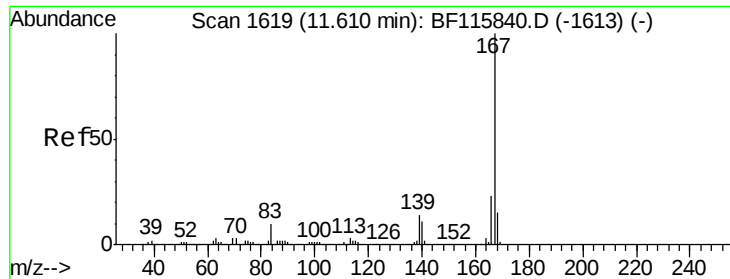
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#72
Anthracene
Concen: 8.639 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.7	12.4	18.6





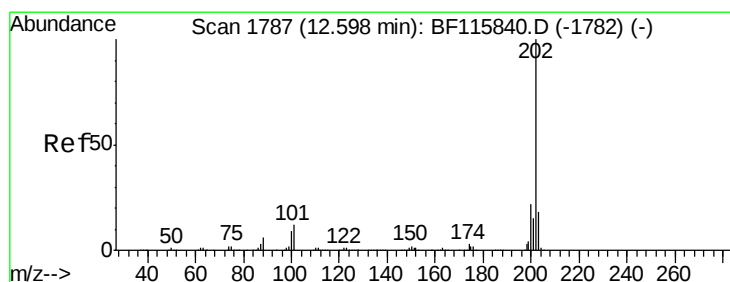
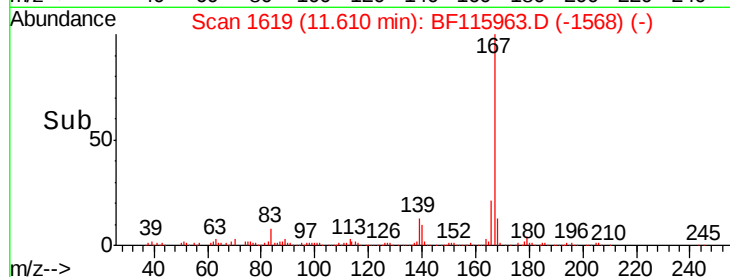
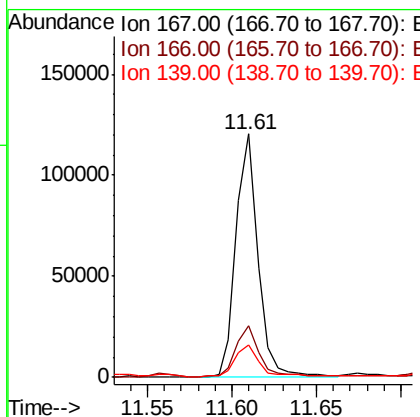
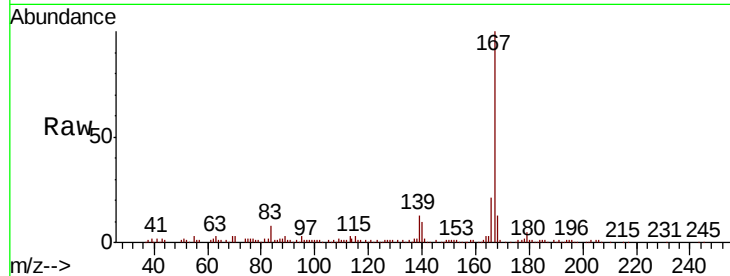
#73
 Carbazole
 Concen: 4.909 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115963.D
 Acq: 2 Aug 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.0	27.0
139	13.3	11.4	17.2

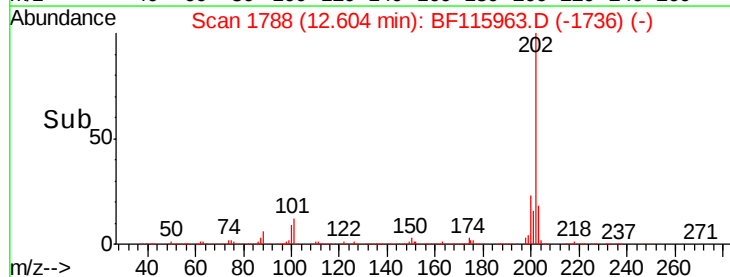
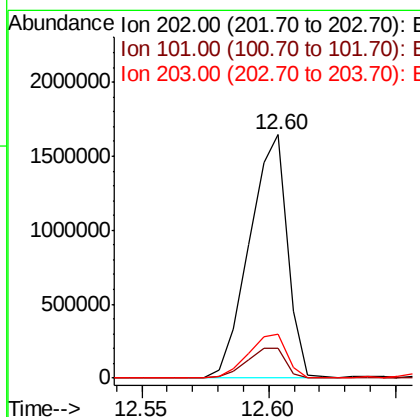
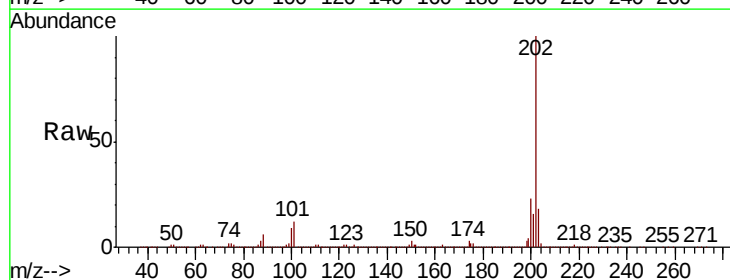
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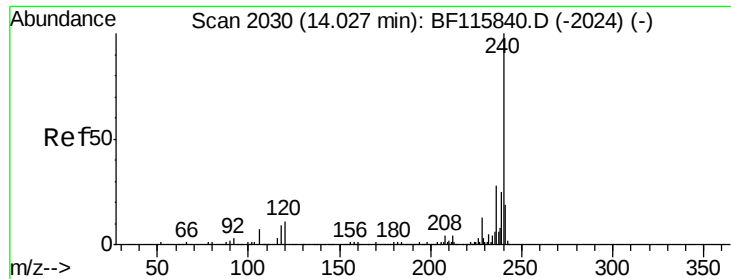
mohammad
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#75
 Fluoranthene
 Concen: 68.099 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF115963.D
 Acq: 2 Aug 2019 22:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	18.2	0.0	37.9





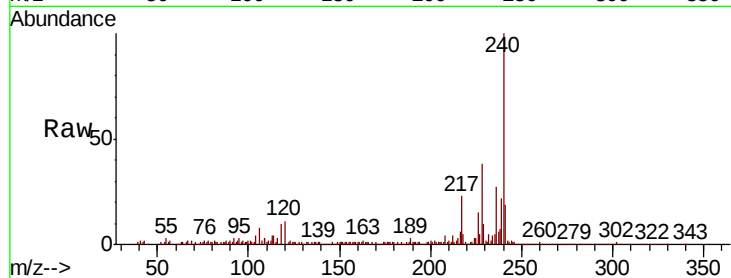
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Instrument :
BNA_F
ClientSampled :
SP-1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.5	12.7
236	26.6	22.2	33.2

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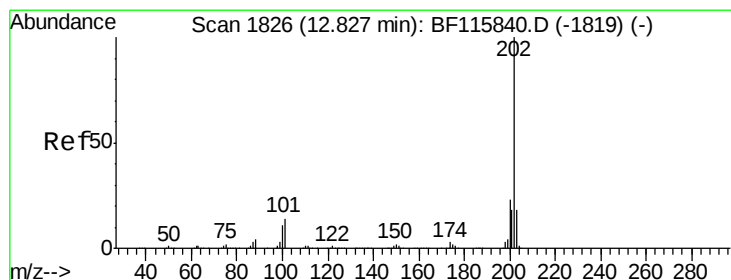
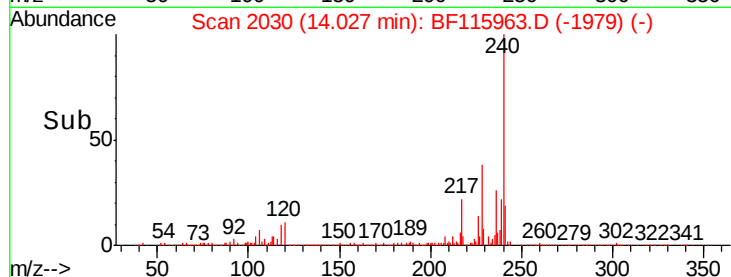
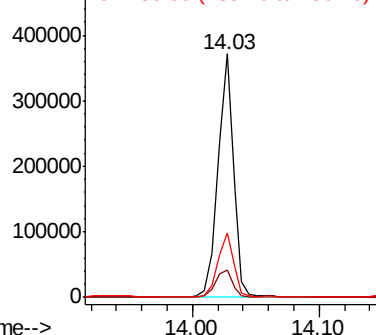


Abundance

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
Pyrene
Concen: 67.351 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

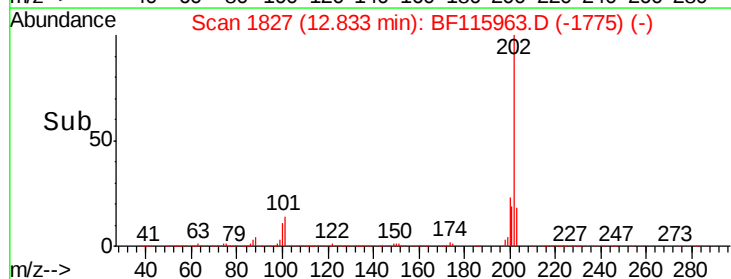
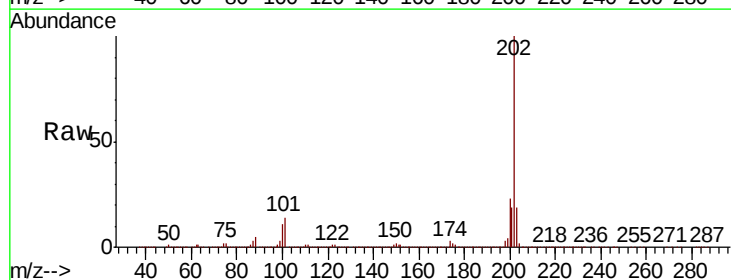
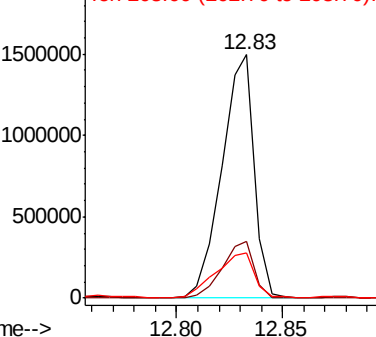
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.2	27.2
203	18.7	14.3	21.5

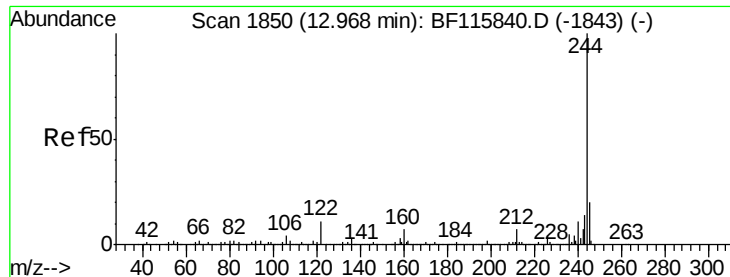
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





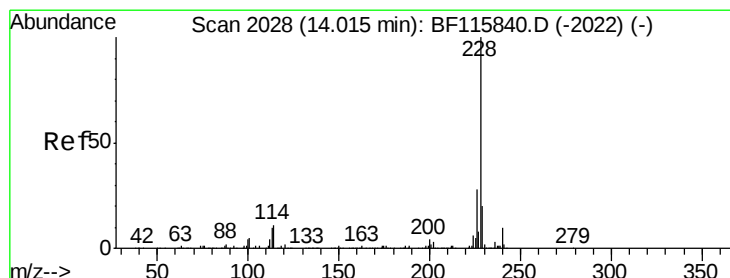
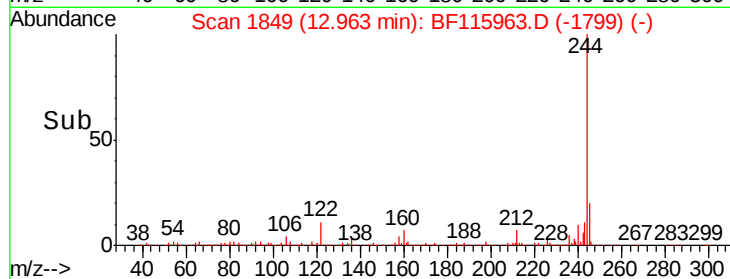
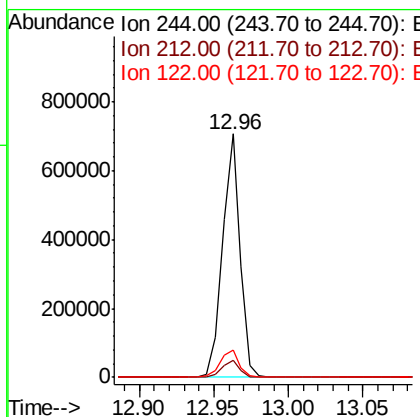
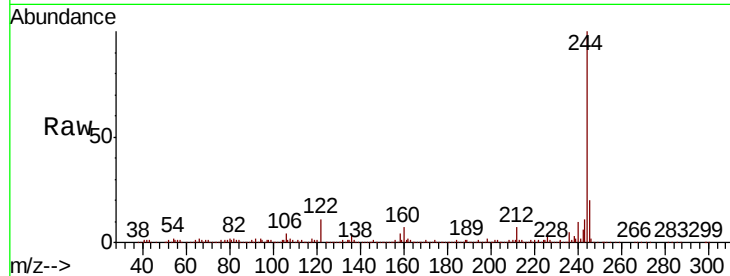
#79
 Terphenyl-d14
 Concen: 39.348 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115963.D
 Acq: 2 Aug 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Tot Ion:	244	Resp:	584252
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	11.3	8.6	13.0

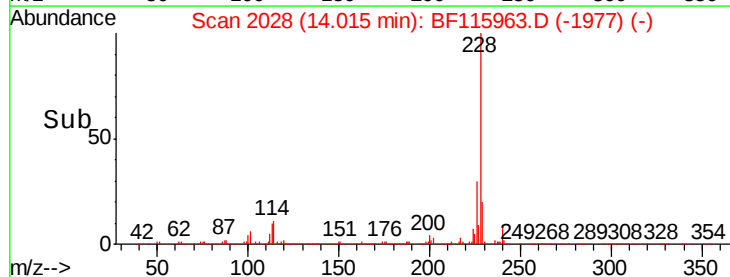
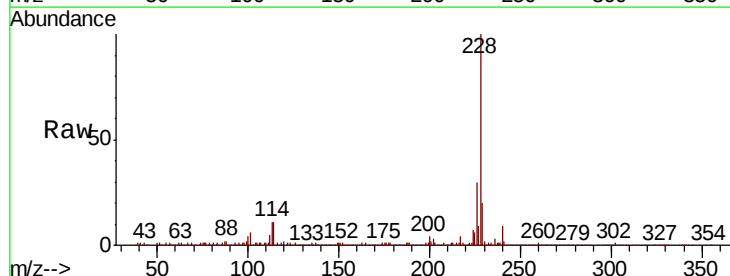
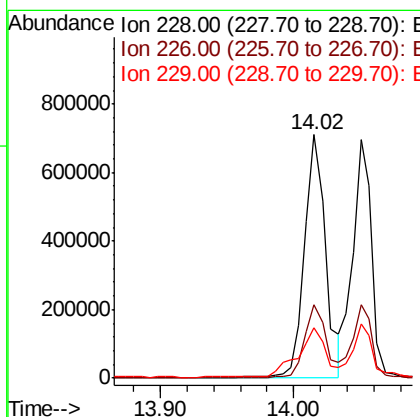
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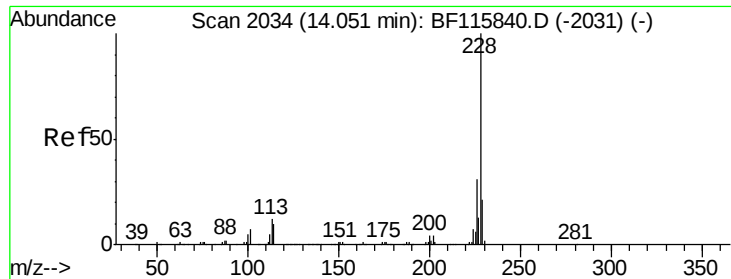
mohammad
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#81
 Benzo(a)anthracene
 Concen: 38.197 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF115963.D
 Acq: 2 Aug 2019 22:44

Tgt Ion:	228	Resp:	763877
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.5	33.7
229	20.4	16.1	24.1





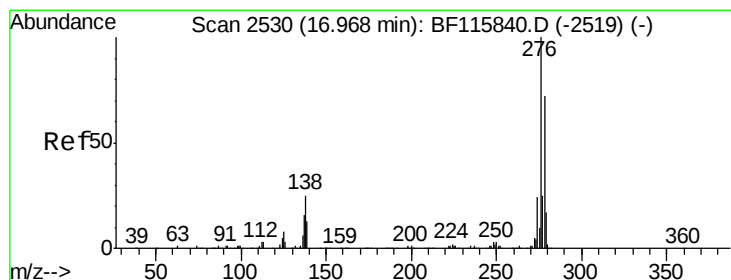
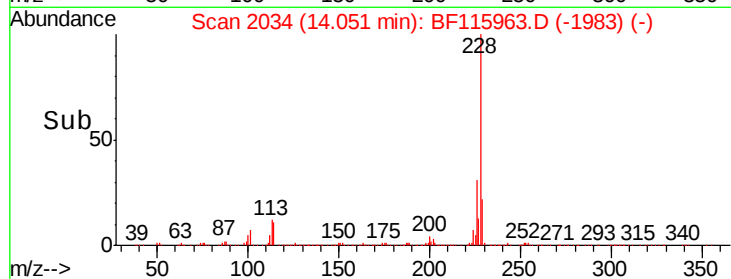
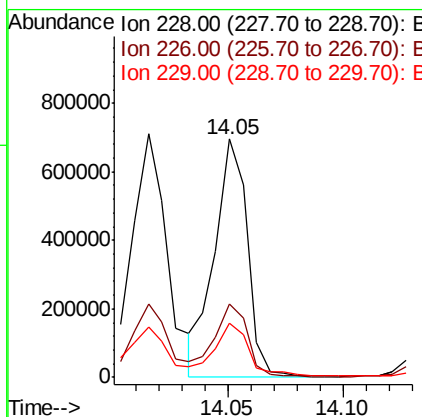
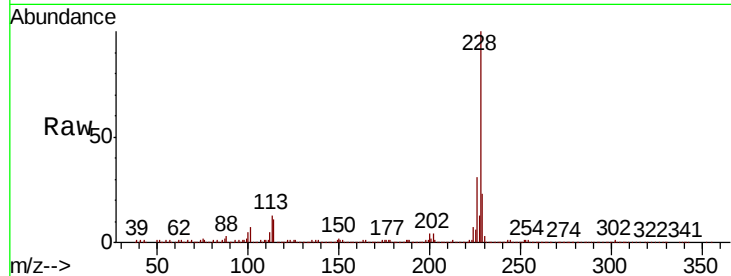
#83
Chrysene
Concen: 35.058 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	22.6	16.4	24.6

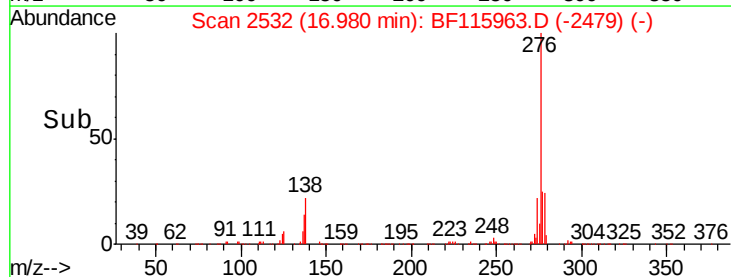
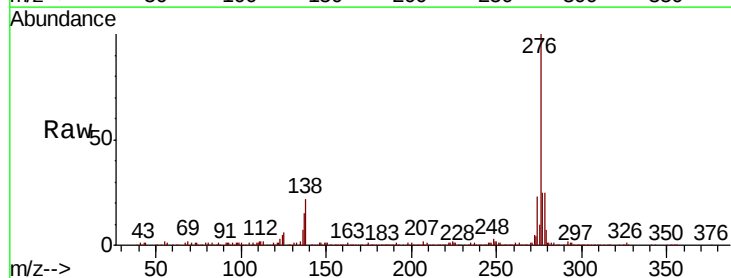
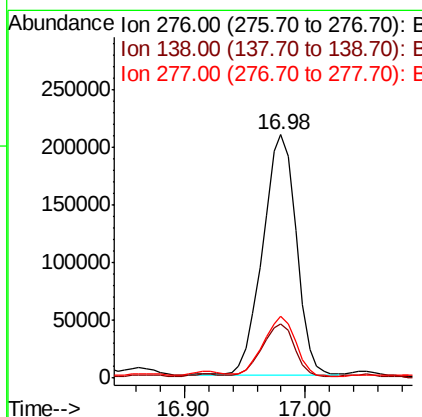
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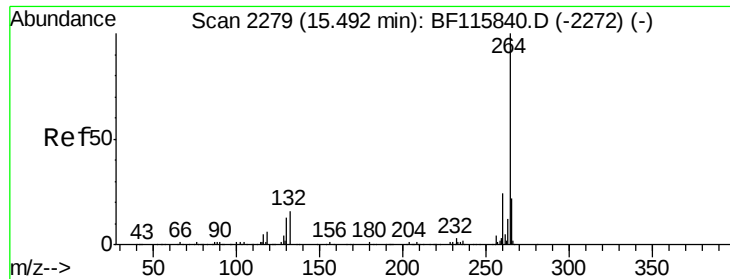
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 24.785 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.6	29.4
277	23.9	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Instrument :

BNA_F

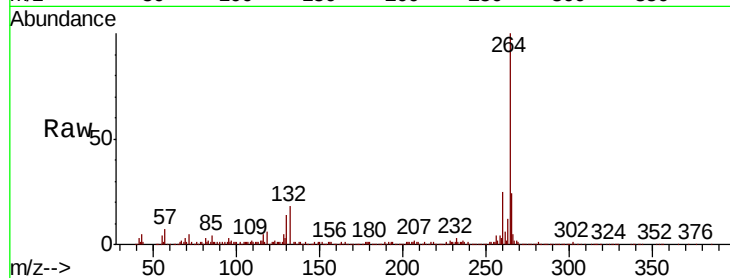
ClientSampled :

SP-1DL

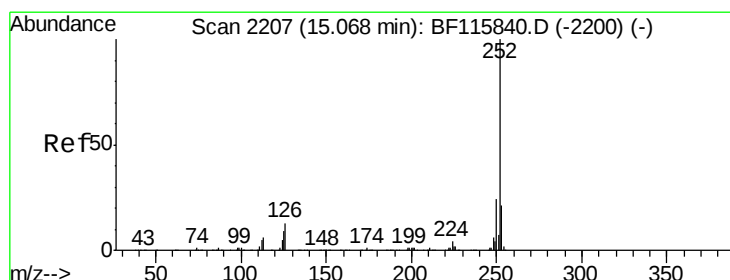
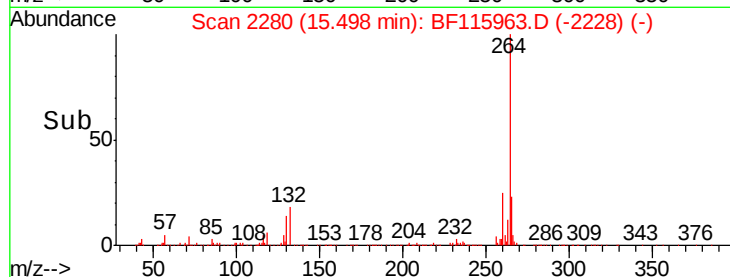
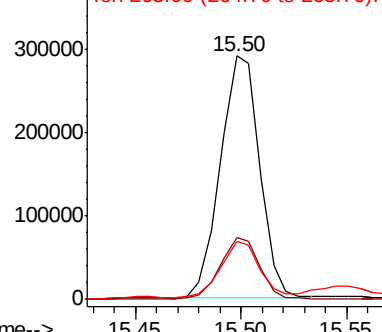
Tot Ion:	264	Resp:	377488
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.4	29.2
265	23.6	17.5	26.3

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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: 36.989 ng m

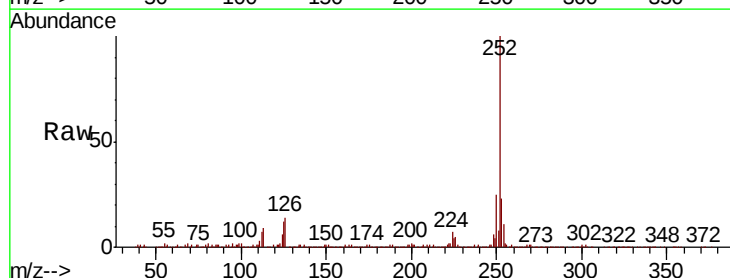
RT: 15.07 min Scan# 2208

Delta R.T. 0.01 min

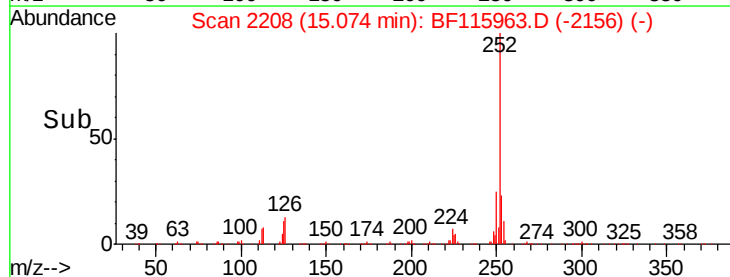
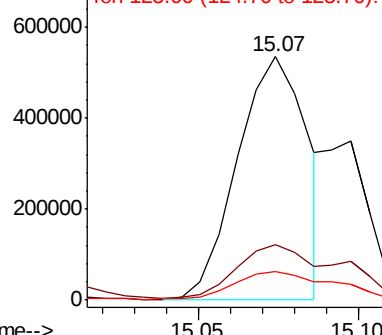
Lab File: BF115963.D

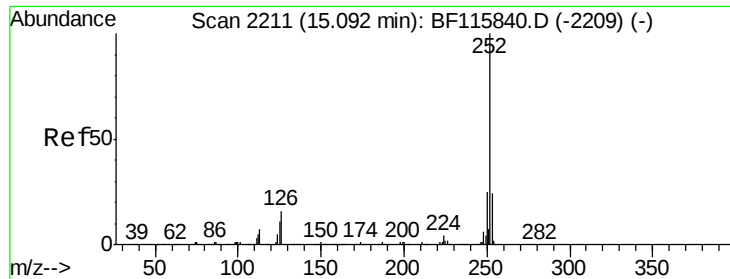
Acq: 2 Aug 2019 22:44

Tgt Ion:	252	Resp:	807361
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	11.9	7.4	11.0#



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: 15.553 ng m

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Instrument :

BNA_F

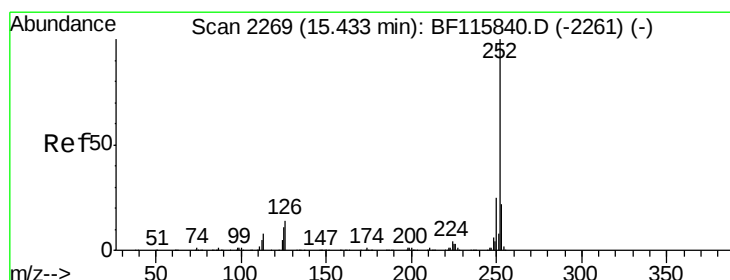
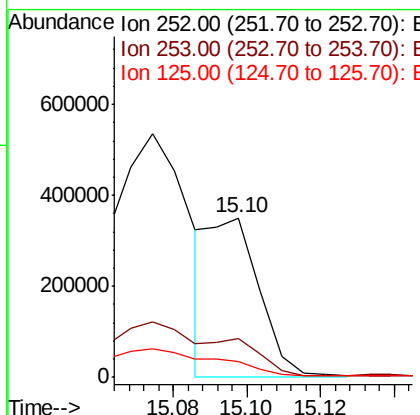
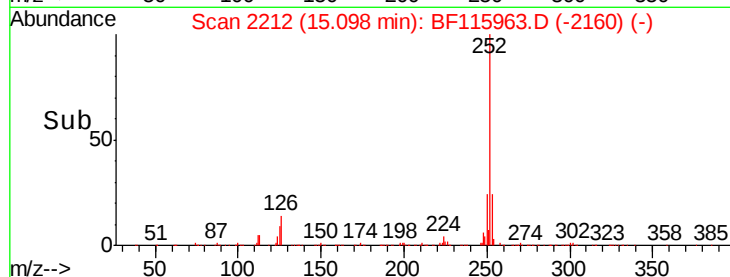
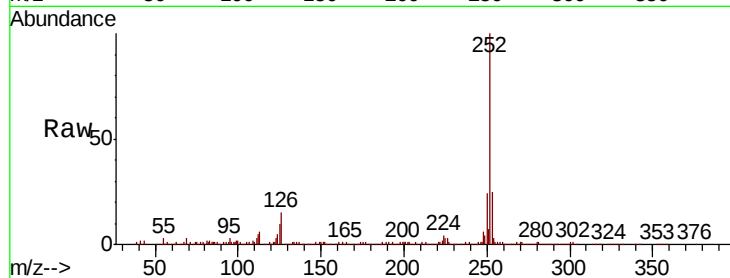
ClientSampled :

SP-1DL

Tot Ion:	252	Resp:	330644
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.2	27.4
125	10.1	8.9	13.3

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#90

Benzo(a)pyrene

Concen: 32.568 ng

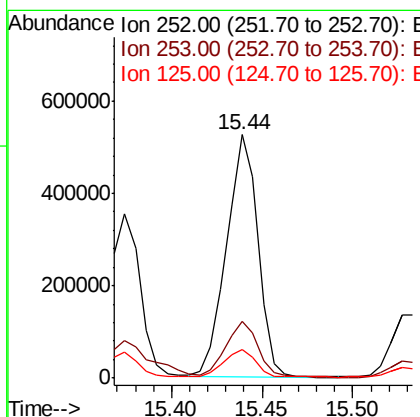
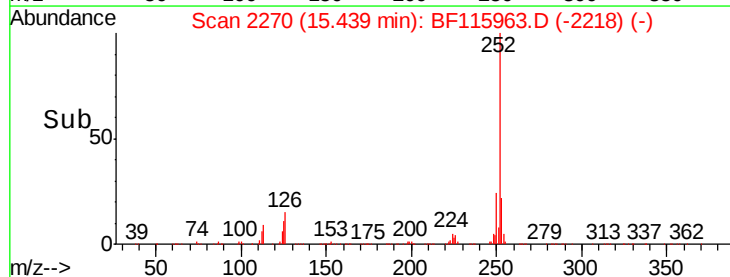
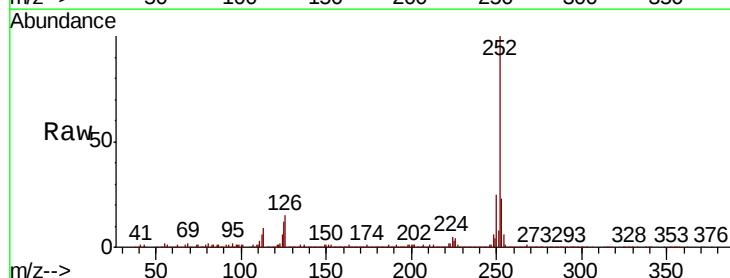
RT: 15.44 min Scan# 2270

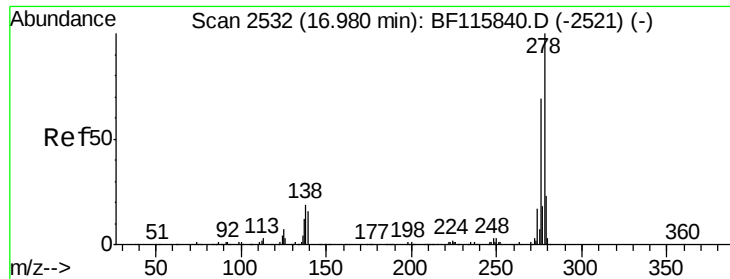
Delta R.T. 0.01 min

Lab File: BF115963.D

Acq: 2 Aug 2019 22:44

Tgt Ion:	252	Resp:	635449
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	11.5	8.8	13.2





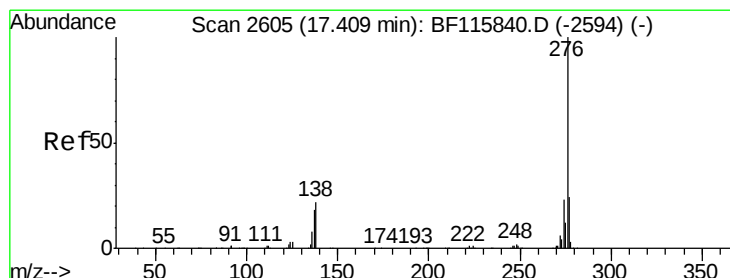
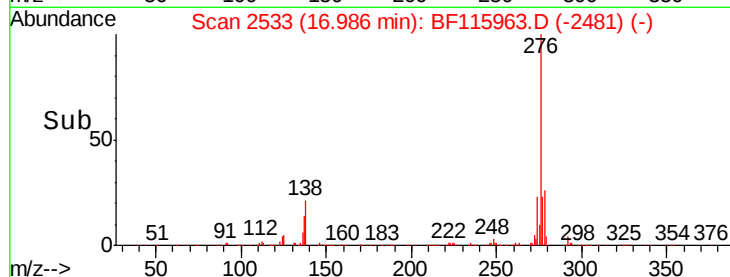
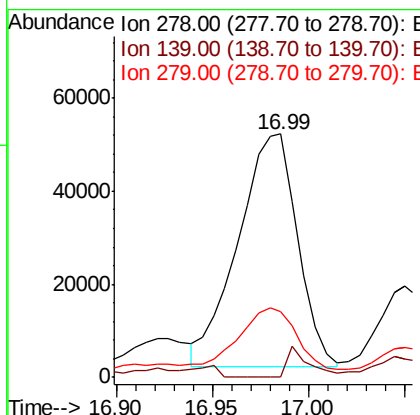
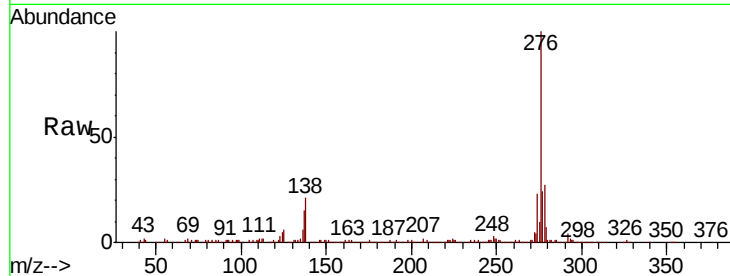
#91
Dibenzo(a,h)anthracene
Concen: 6.426 ng m
RT: 16.99 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0
279	27.1	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 21.311 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.02 min
Lab File: BF115963.D
Acq: 2 Aug 2019 22:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.5	29.3
138	21.5	17.8	26.8

