

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073120\
 Data File : BF121169.D
 Acq On : 31 Jul 2020 20:25
 Operator : JU/CG
 Sample : L3478-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-VNJ-213

Manual Integrations
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mohammad
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Quant Time: Aug 01 03:04:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	128659	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	465369	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	109677	20.00	ng	0.02
64) Phenanthrene-d10	11.37	188	99348	20.00	ng	0.05
76) Chrysene-d12	13.99	240	262799	20.00	ng	0.02
86) Perylene-d12	15.43	264	374799	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	91682	11.68	ng	-0.01
7) Phenol-d6	6.43	99	121472	11.98	ng	-0.02
23) Nitrobenzene-d5	7.35	82	77146	9.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	14158	11.79	ng	0.03
45) 2-Fluorobiphenyl	9.16	172	139357	18.97	ng	0.00
79) Terphenyl-d14	12.95	244	59699	4.94	ng	0.04
Target Compounds						
71) Phenanthrene	11.39	178	61495	12.035	ng	# 42
72) Anthracene	11.45	178	14856	2.896	ng	# 1
73) Carbazole	11.59	167	11595	2.277	ng	# 1
75) Fluoranthene	12.59	202	196761	34.742	ng	92
78) Pyrene	12.82	202	189070	10.176	ng	# 94
81) Benzo(a)anthracene	13.98	228	214257	13.464	ng	96
83) Chrysene	14.02	228	288550	17.254	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	79903	7.823	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.86	276	293432	11.257	ng	95
88) Benzo(b)fluoranthene	15.01	252	539938m	23.833	ng	
89) Benzo(k)fluoranthene	15.03	252	152199m	7.366	ng	
90) Benzo(a)pyrene	15.37	252	312362	15.112	ng	99
91) Dibenzo(a,h)anthracene	16.86	278	65296	3.067	ng	# 83
92) Benzo(g,h,i)perylene	17.29	276	271128	12.915	ng	98

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

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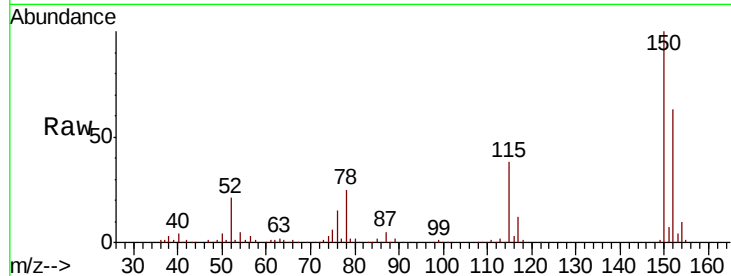
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121169.D
 Acq: 31 Jul 2020 20:25

Instrument :
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 ROLLOFF-VNJ-213

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.6	188.4
115	60.4	46.2	69.2

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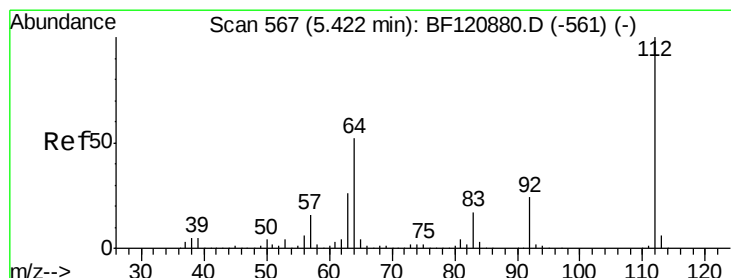
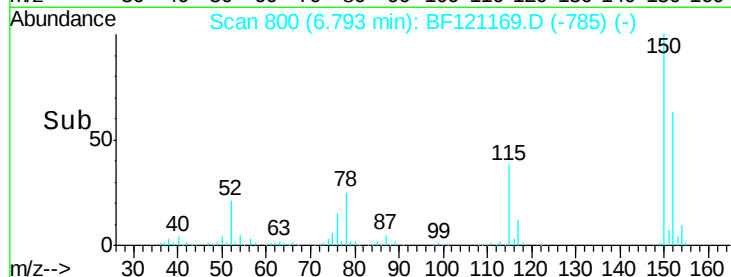
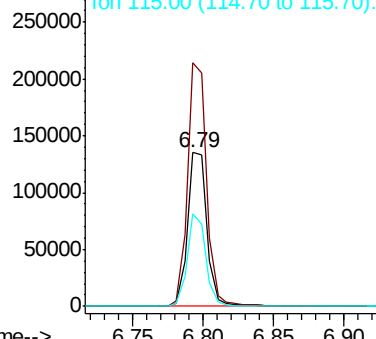


Abundance

Ion 152.00 (151.70 to 152.70): E

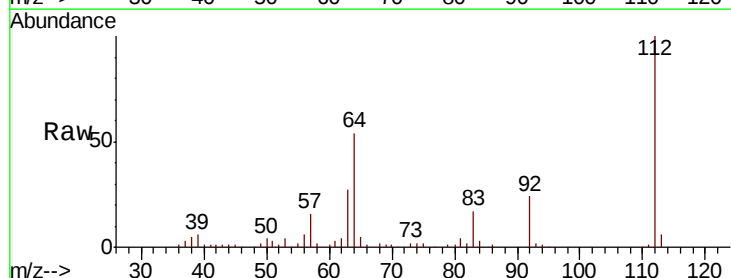
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 11.682 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121169.D
 Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.9	65.9
63	27.2	22.7	34.1

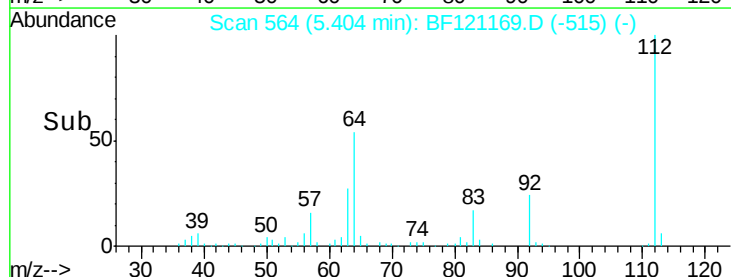
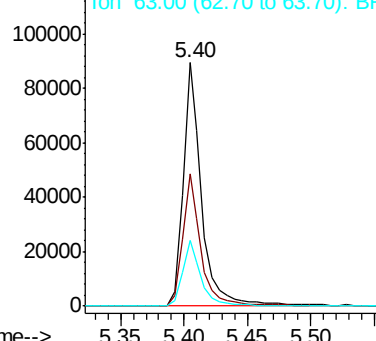


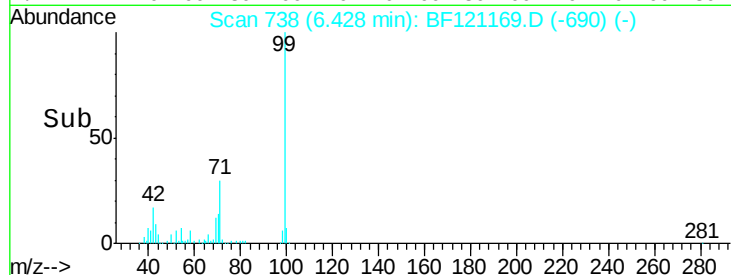
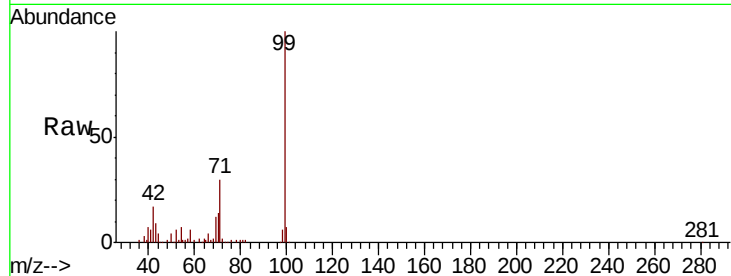
Abundance

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: 11.982 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Tot Ion:	99	Resp:	121472
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.5	20.3
71	30.2	25.0	37.4

Instrument :

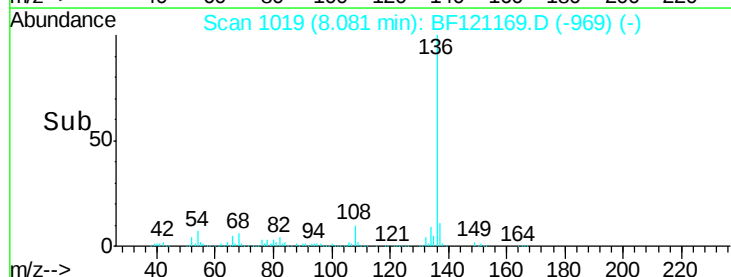
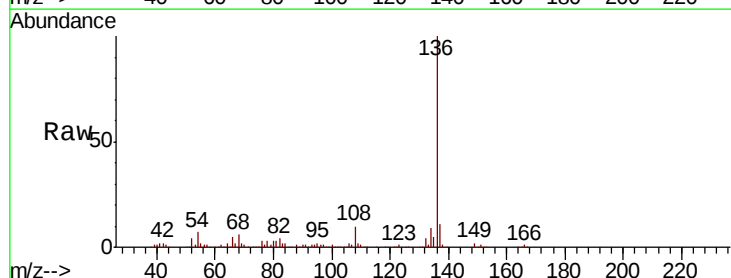
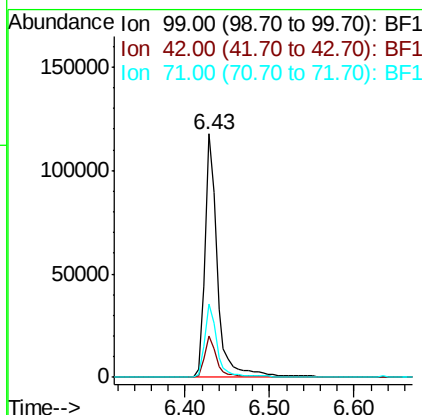
BNA_F

ClientSampleId :

ROLLOFF-VNJ-213

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#21

Naphthalene-d8

Concen: 20.000 ng

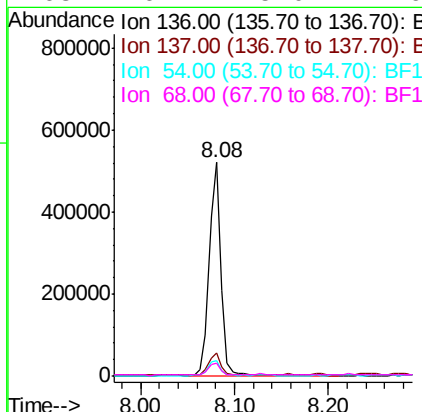
RT: 8.08 min Scan# 1019

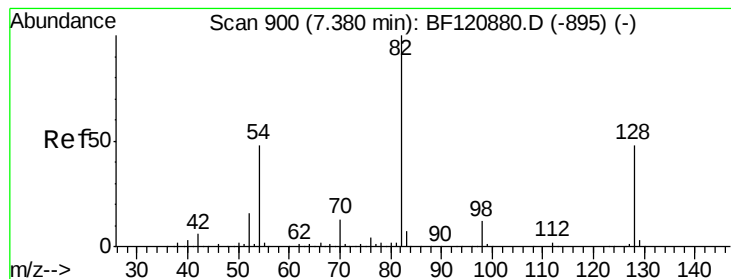
Delta R.T. -0.01 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Tgt Ion:	136	Resp:	465369
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.0	6.1	9.1
68	6.1	5.0	7.6





#23

Nitrobenzene-d5

Concen: 9.592 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Instrument :

BNA_F

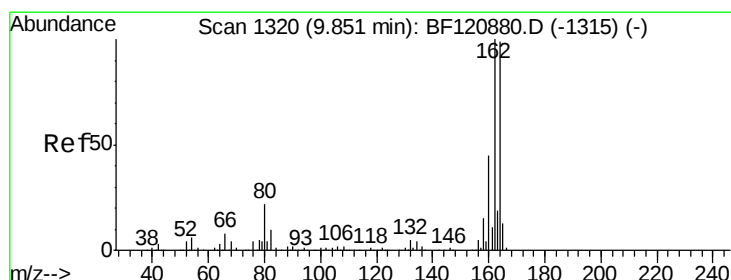
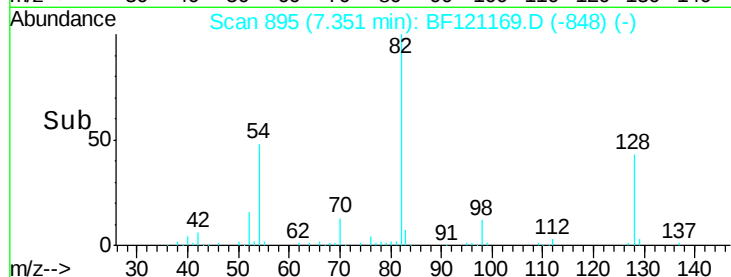
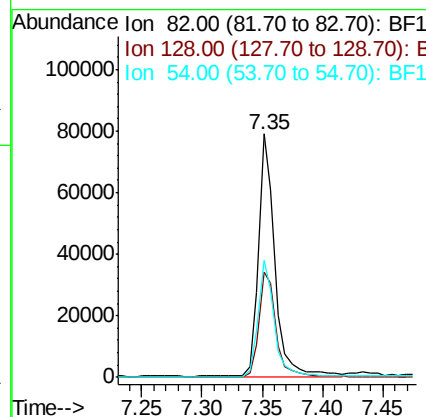
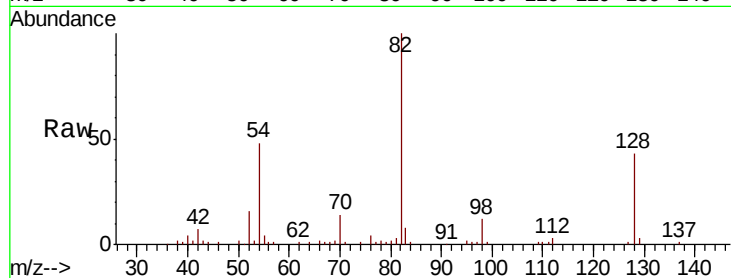
ClientSampleId :

ROLLOFF-VNJ-213

Tot Ion:	82	Resp:	77146
Ion Ratio	Lower	Upper	
82	100		
128	43.1	39.2	58.8
54	48.2	37.8	56.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

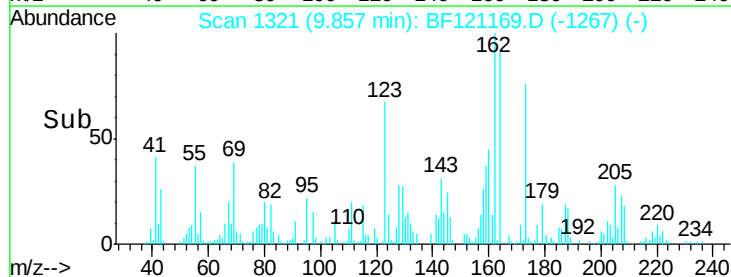
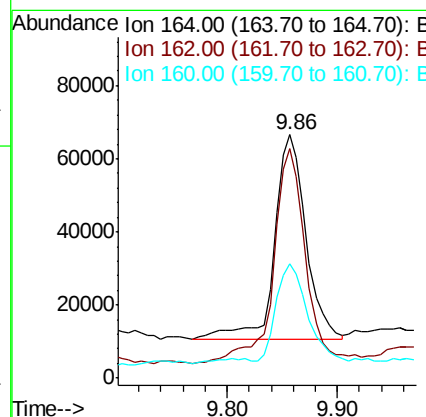
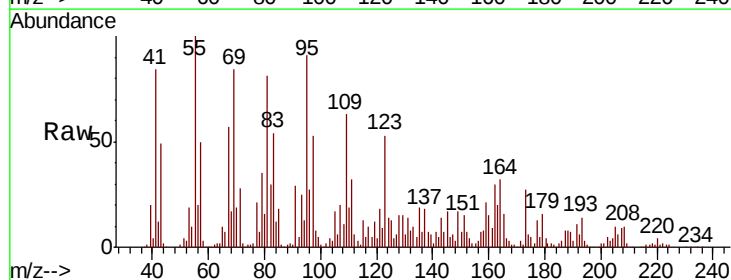
RT: 9.86 min Scan# 1321

Delta R.T. 0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Tgt Ion:	164	Resp:	109677
Ion Ratio	Lower	Upper	
164	100		
162	94.1	82.2	123.2
160	46.8	37.2	55.8





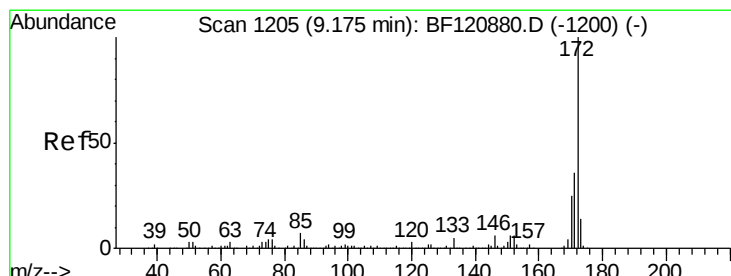
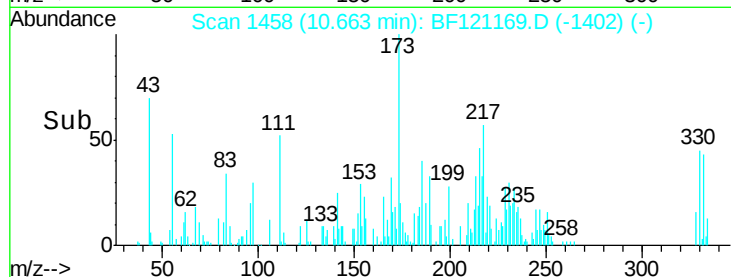
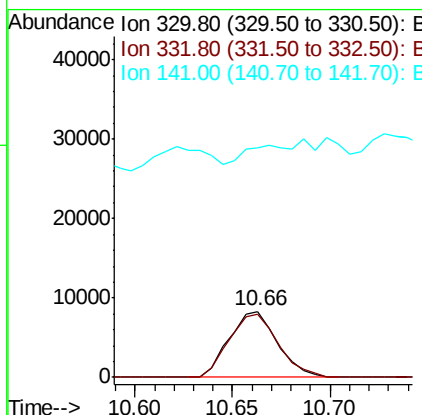
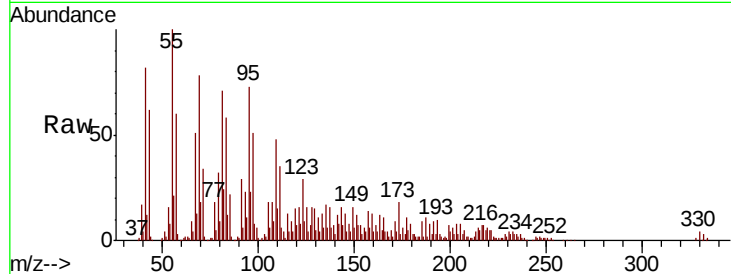
#42
 2,4,6-Tribromophenol
 Concen: 11.793 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.03 min
 Lab File: BF121169.D
 Acq: 31 Jul 2020 20:25

Instrument :
 BNA_F
 ClientSampleID :
 ROLLOFF-VNJ-213

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.1	114.1
141	0.0	24.1	36.1#

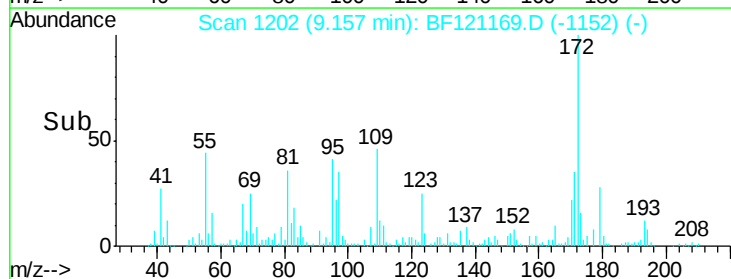
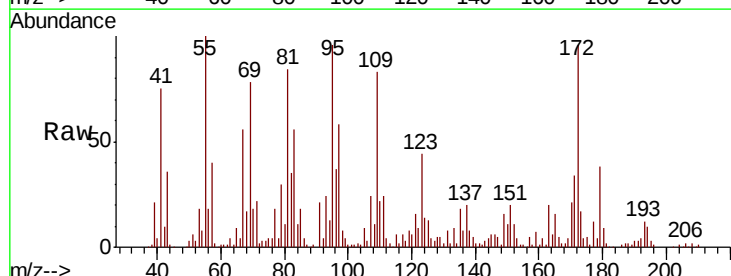
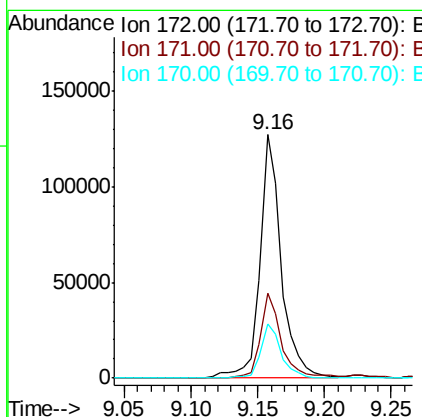
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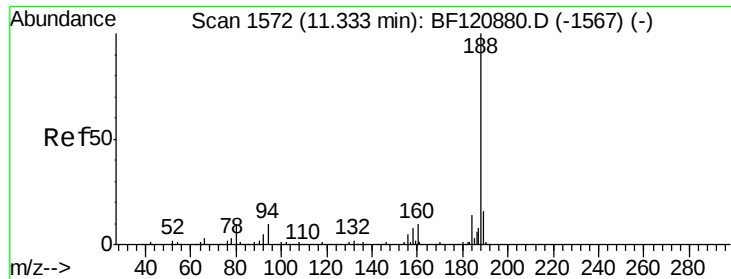
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#45
 2-Fluorobiphenyl
 Concen: 18.971 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121169.D
 Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	22.1	19.6	29.4





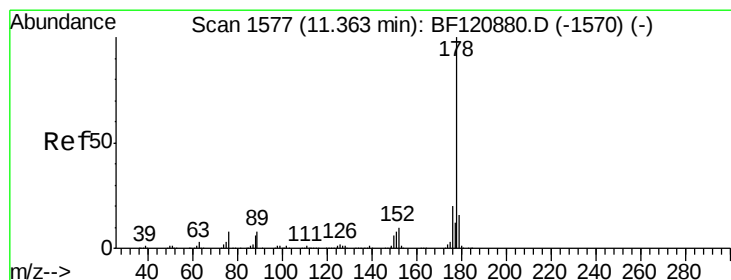
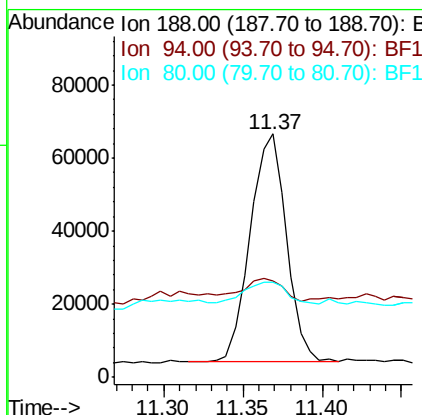
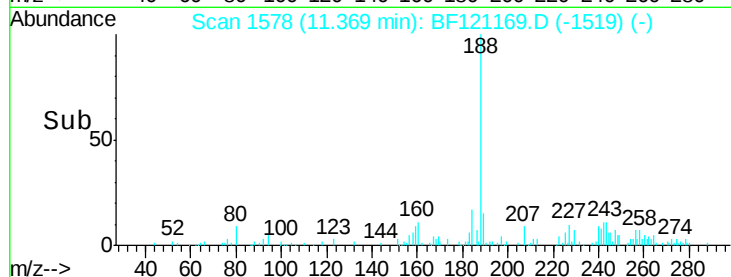
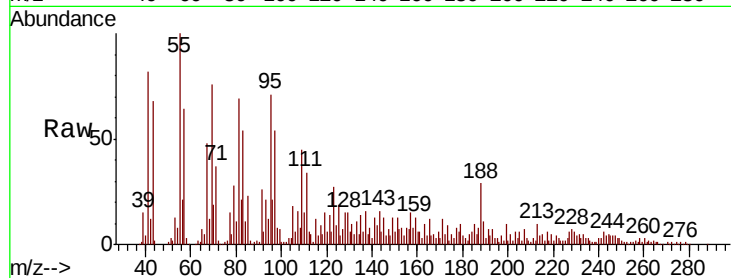
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.05 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	39.9	8.0	12.0#	
80	39.1	8.3	12.5#	

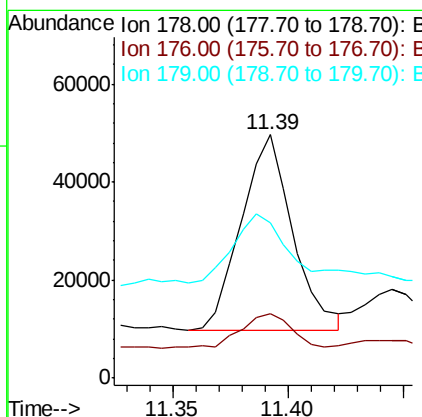
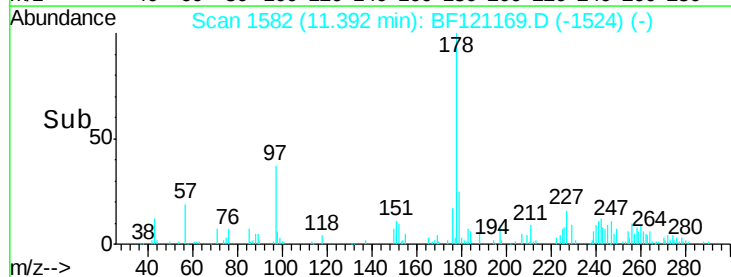
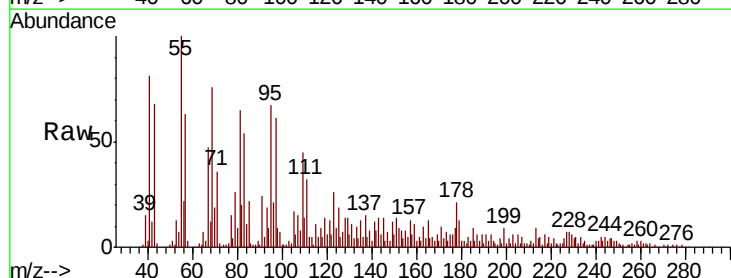
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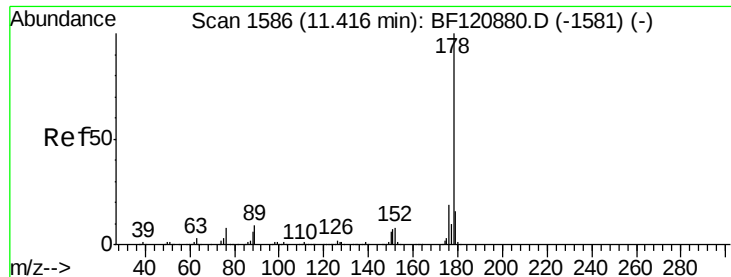
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#71
Phenanthrene
Concen: 12.035 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.04 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	26.6	16.2	24.2#	
179	64.0	12.6	19.0#	





#72

Anthracene

Concen: 2.896 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.04 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-VNJ-213

Tot Ion:178 Resp: 14856

Ion Ratio Lower Upper

178 100

176 42.8 15.8 23.8#

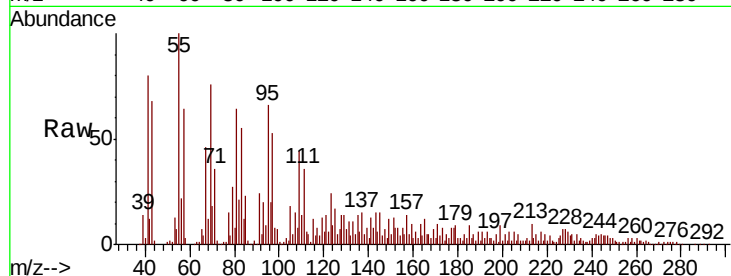
179 114.3 12.6 19.0#

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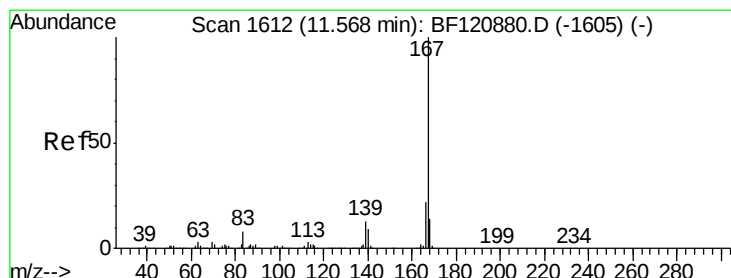
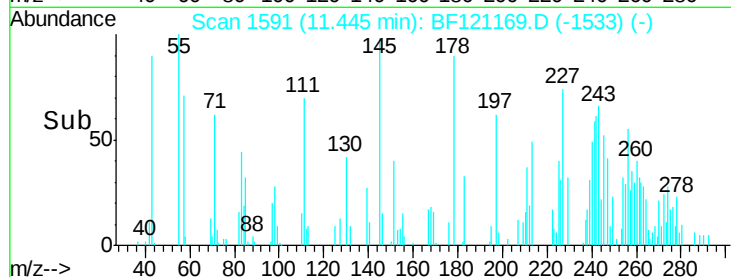
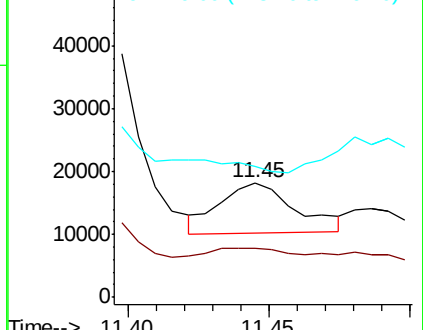
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.277 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.04 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

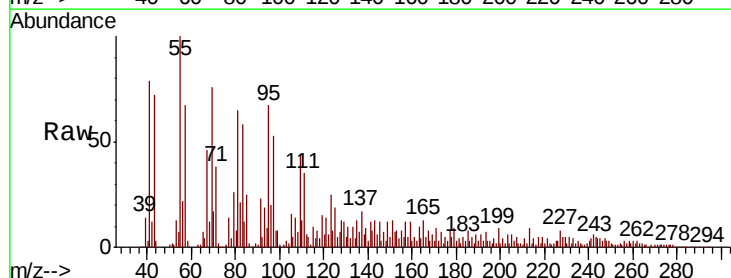
Tgt Ion:167 Resp: 11595

Ion Ratio Lower Upper

167 100

166 67.2 17.5 26.3#

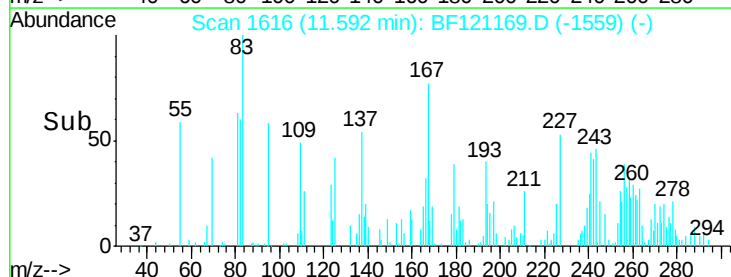
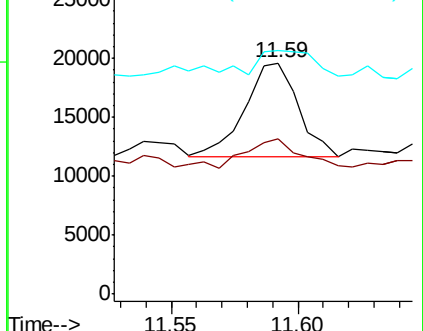
139 105.3 10.5 15.7#

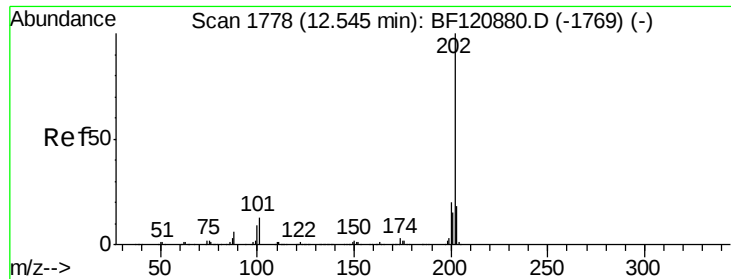


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 34.742 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.05 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Instrument :

BNA_F

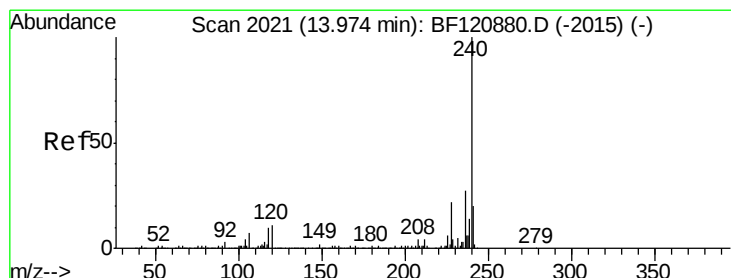
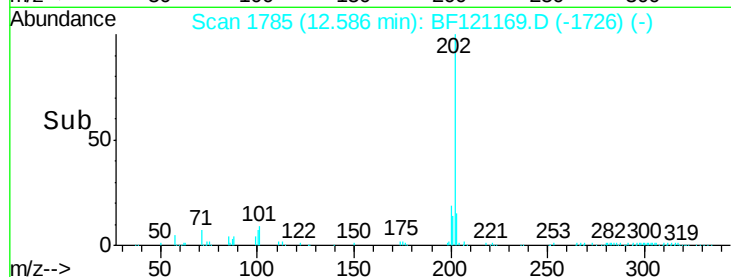
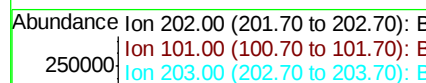
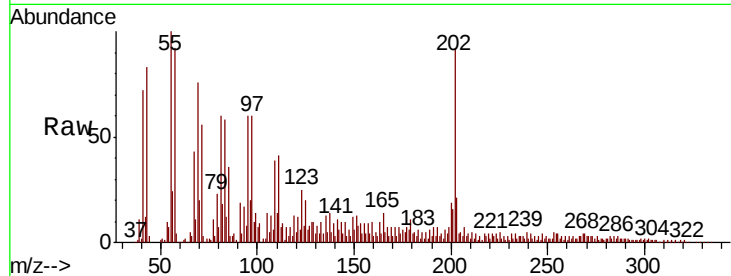
ClientSampleId :

ROLLOFF-VNJ-213

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	0.0	30.5
203	22.5	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

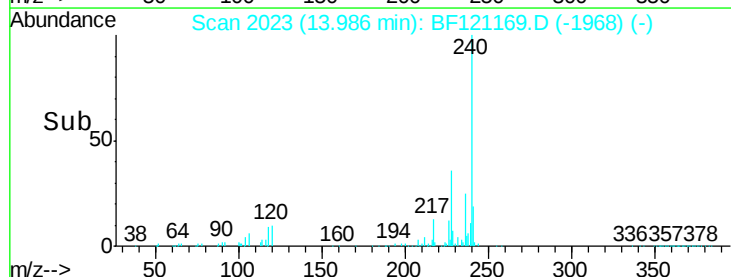
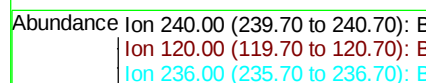
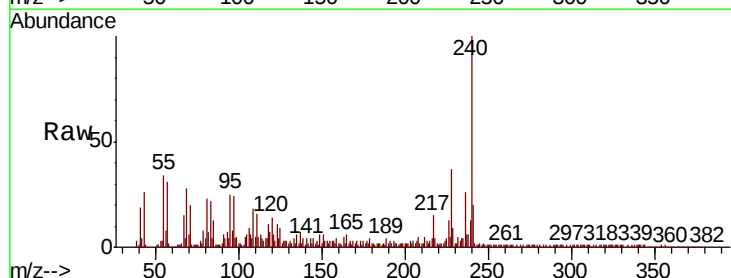
RT: 13.99 min Scan# 2023

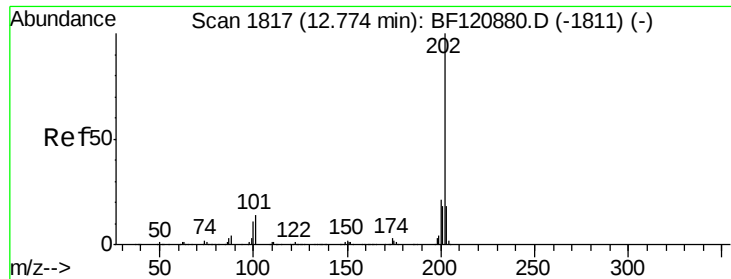
Delta R.T. 0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	9.3	13.9#
236	26.2	21.1	31.7





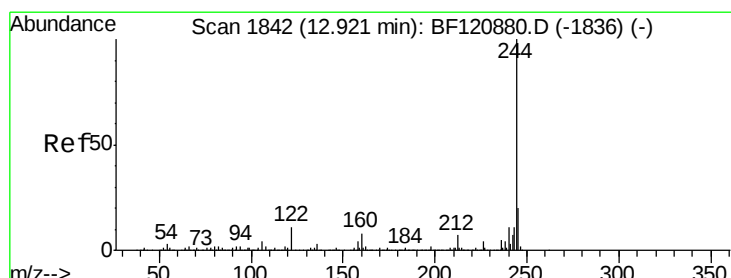
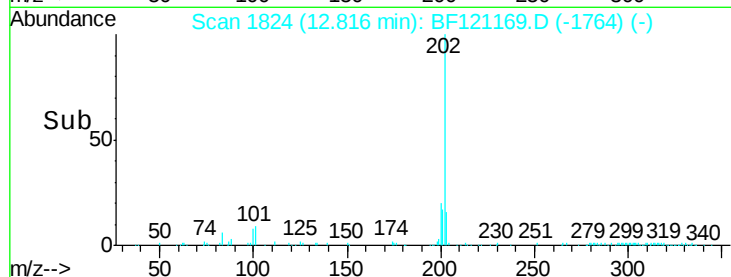
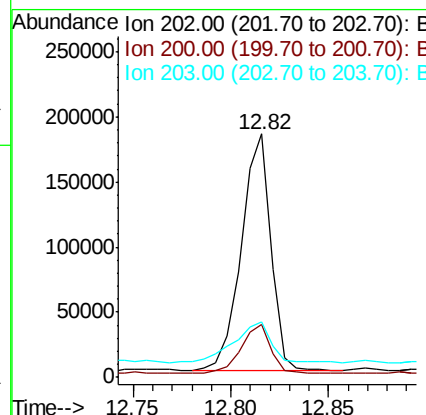
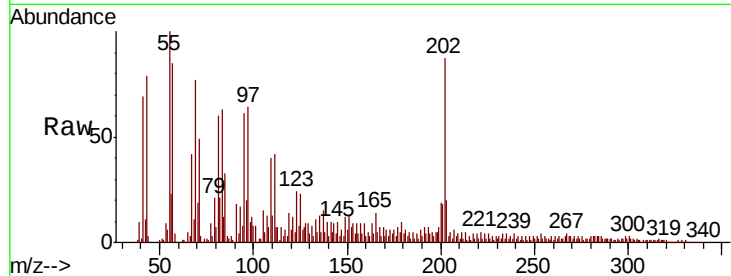
#78
Pvrene
Concen: 10.176 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.05 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.0	25.6
203	22.9	14.6	21.8

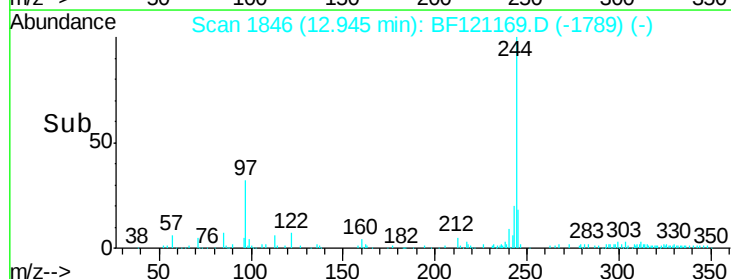
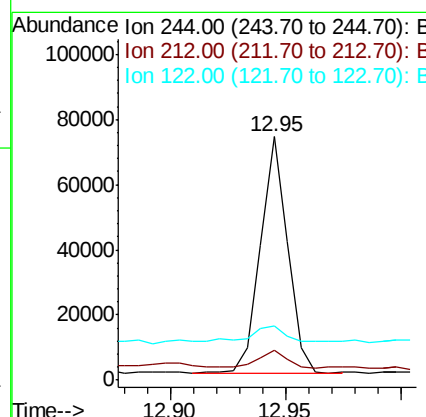
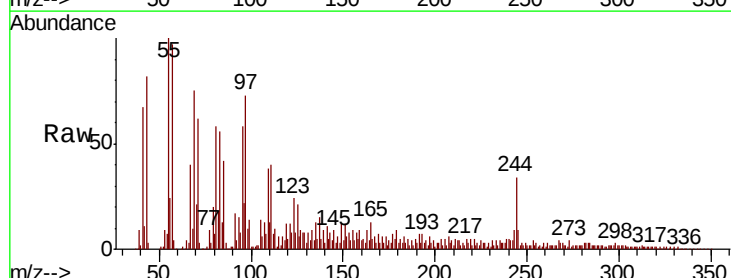
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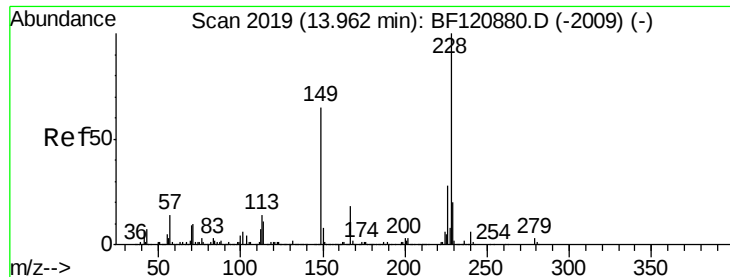
mohammad
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#79
Terphenyl-d14
Concen: 4.938 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.04 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	12.0	5.7	8.5
122	22.4	8.3	12.5





#81

Benzo(a)anthracene

Concen: 13.464 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.03 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Instrument :

BNA_F

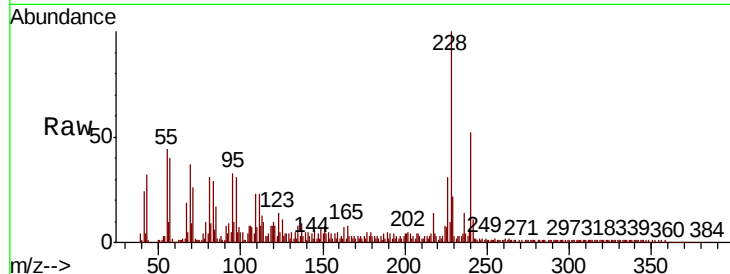
ClientSampleId :

ROLLOFF-VNJ-213

Tot Ion:	228	Resp:	214257
Ion Ratio	Lower	Upper	
228	100		
226	30.8	22.6	34.0
229	22.0	16.1	24.1

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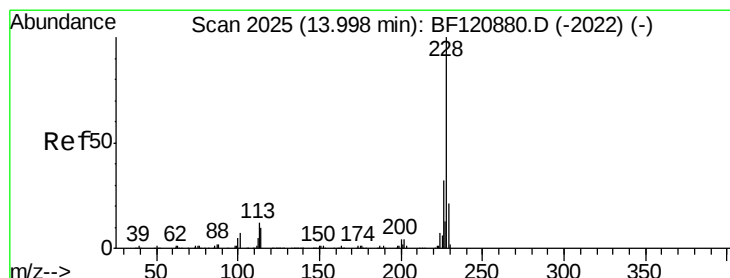
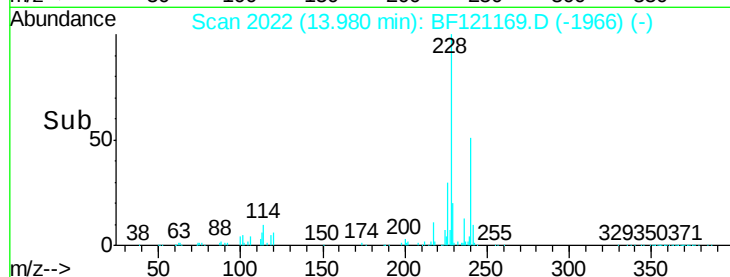
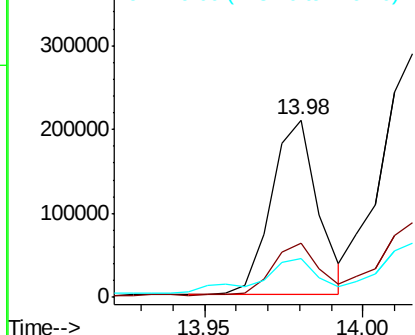


Abundance

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



#83

Chrysene

Concen: 17.254 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

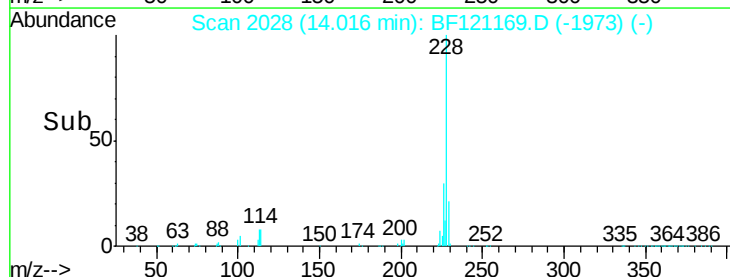
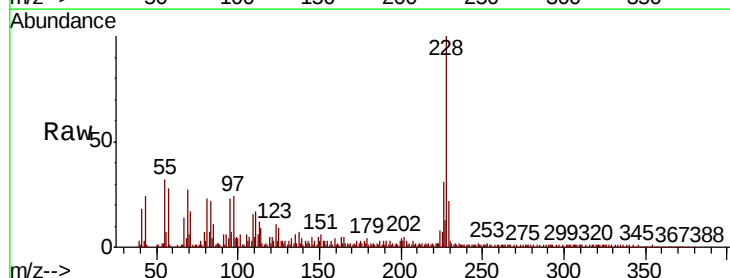
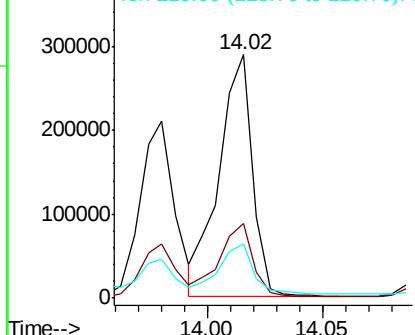
Tgt Ion:	228	Resp:	288550
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.4	38.0
229	22.4	16.2	24.4

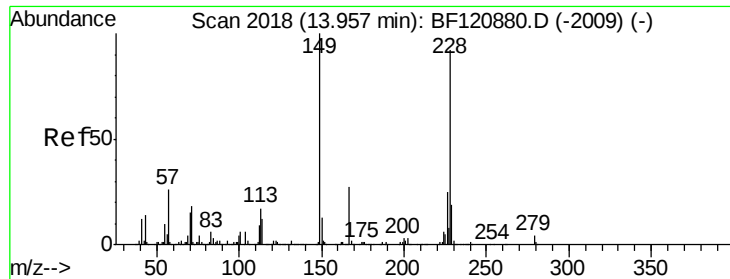
Abundance

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: 7.823 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

Instrument :

BNA_F

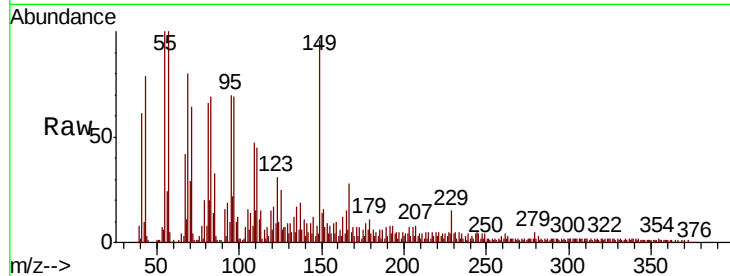
ClientSampleId :

ROLLOFF-VNJ-213

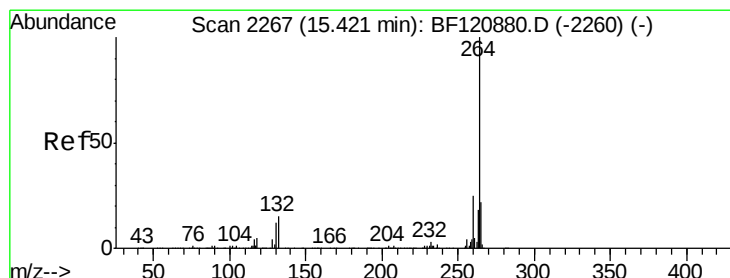
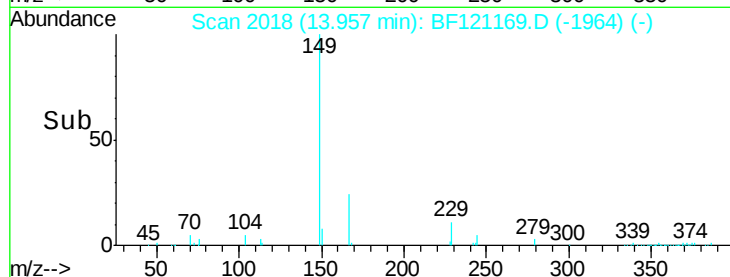
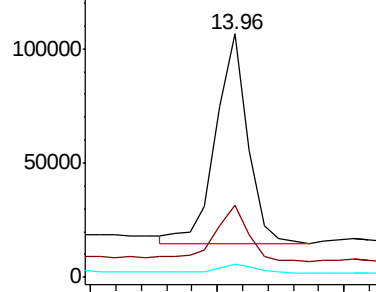
Tot Ion:	149	Resp:	79903
Ion Ratio	Lower	Upper	
149	100		
167	29.4	21.8	32.6
279	5.6	2.9	4.3#

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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

Perylene-d12

Concen: 20.000 ng

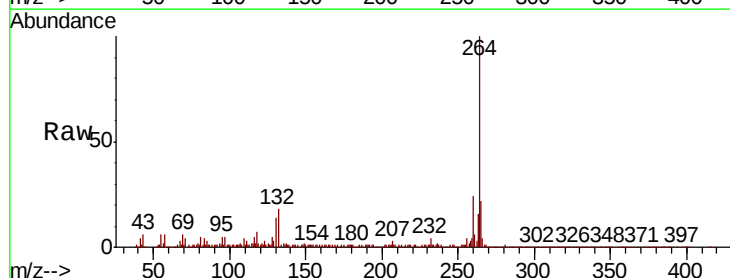
RT: 15.43 min Scan# 2268

Delta R.T. 0.02 min

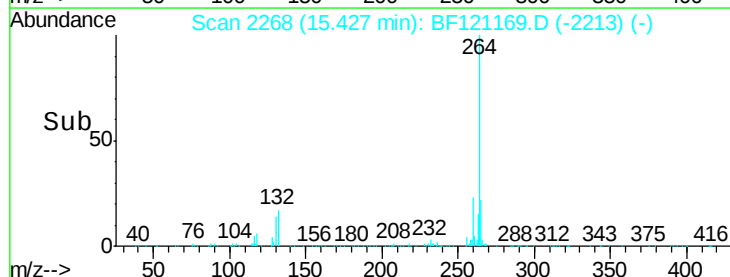
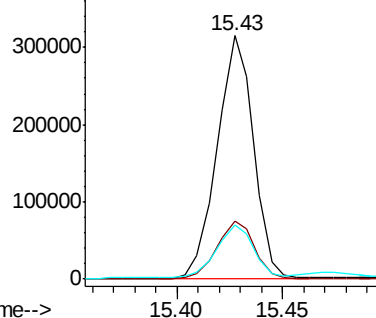
Lab File: BF121169.D

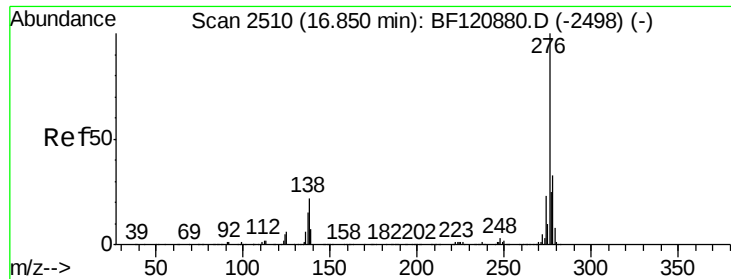
Acq: 31 Jul 2020 20:25

Tgt Ion:	264	Resp:	374799
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.9	29.9
265	22.3	17.8	26.8



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





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.257 ng

RT: 16.86 min Scan# 2511

Delta R.T. 0.02 min

Lab File: BF121169.D

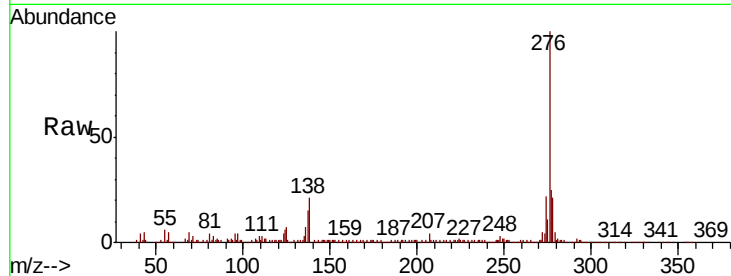
Acq: 31 Jul 2020 20:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.3	28.9
277	23.4	20.1	30.1

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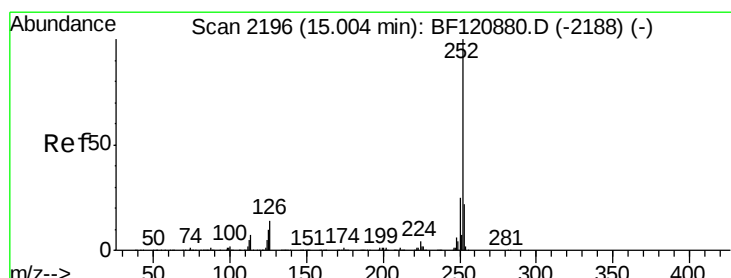
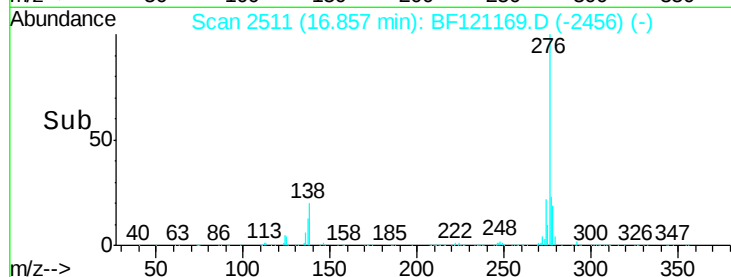
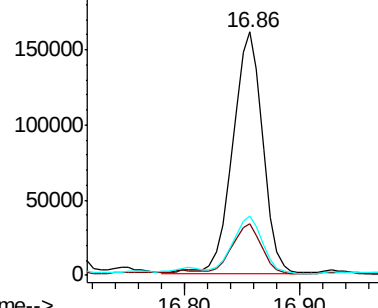


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 23.833 ng m

RT: 15.01 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF121169.D

Acq: 31 Jul 2020 20:25

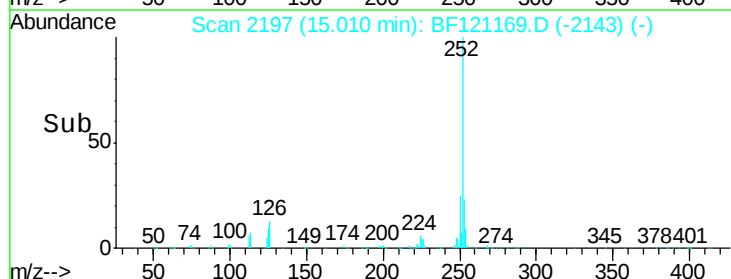
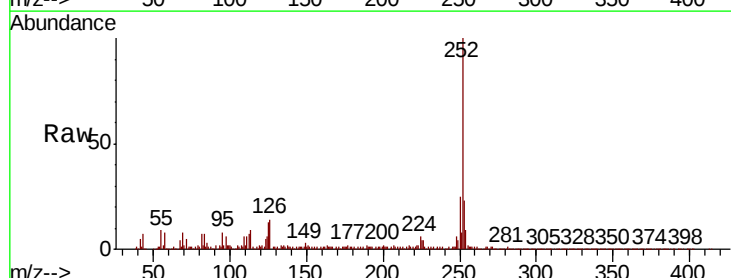
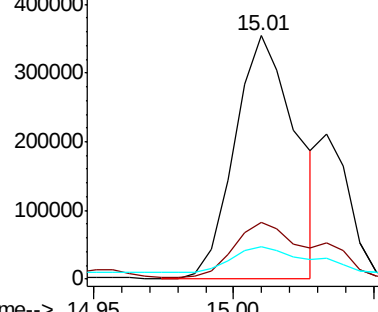
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.4	8.1	12.1

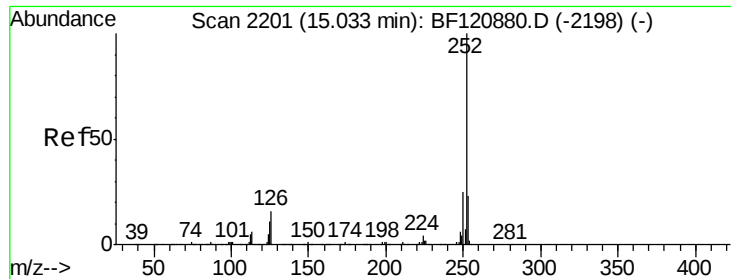
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





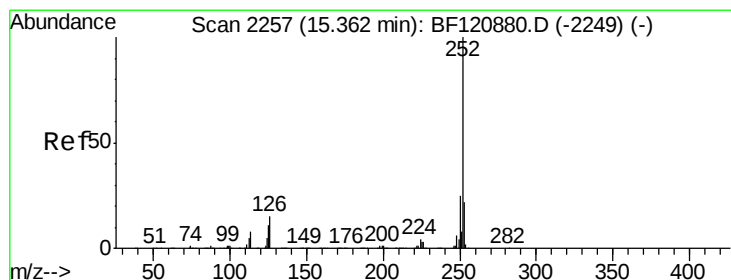
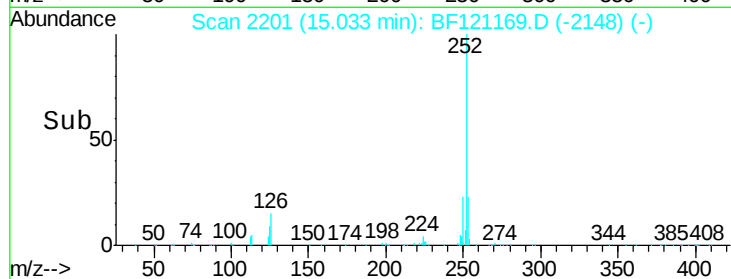
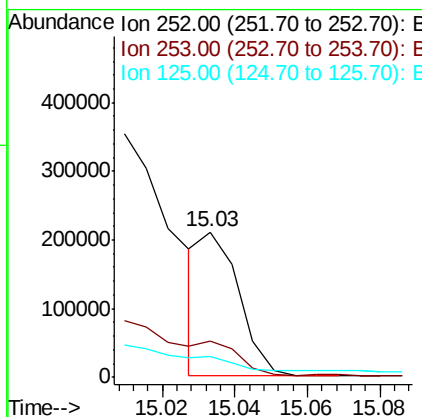
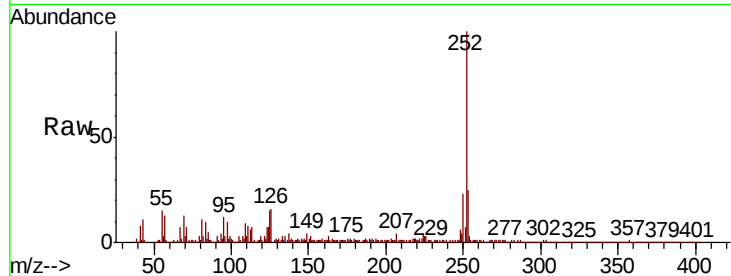
#89
Benzo(k)fluoranthene
Concen: 7.366 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	14.6	8.0	12.0

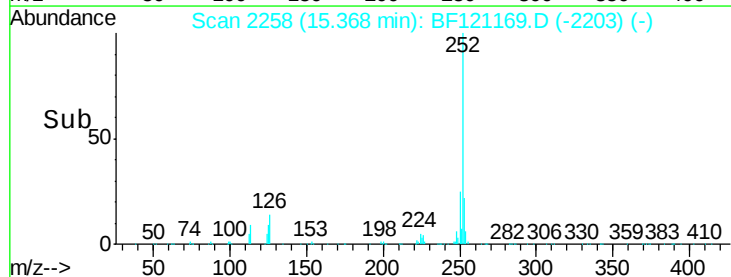
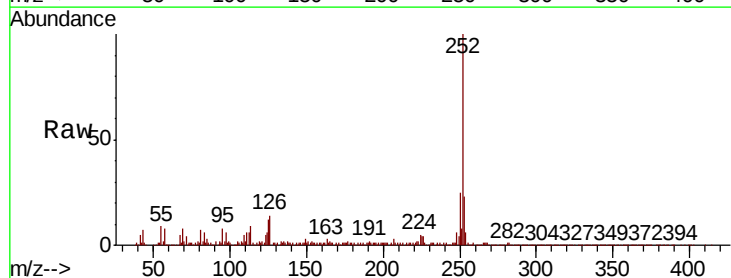
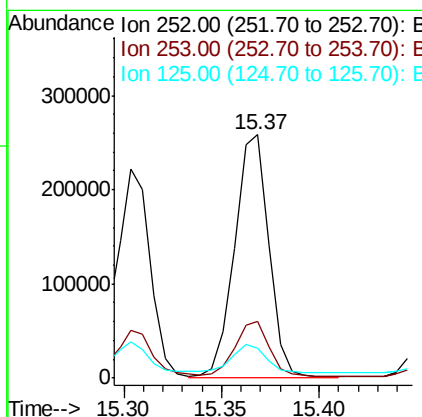
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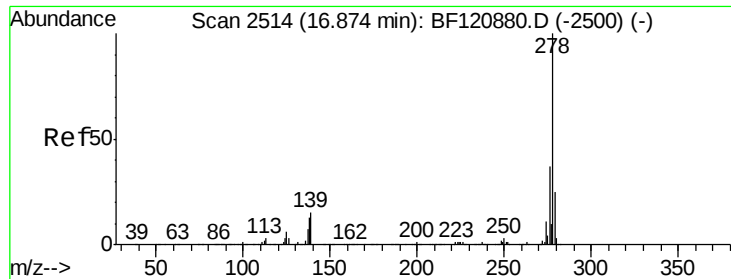
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#90
Benzo(a)pyrene
Concen: 15.112 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.2	9.5	14.3





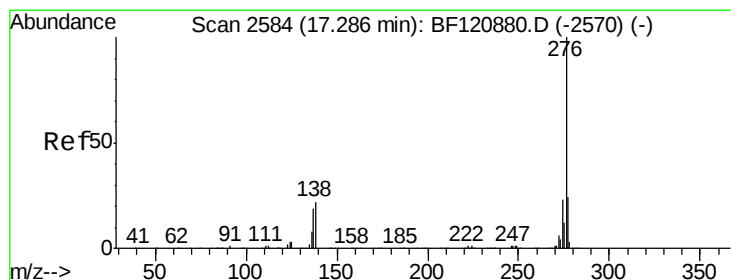
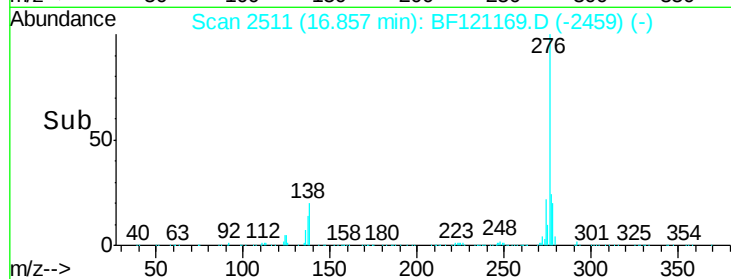
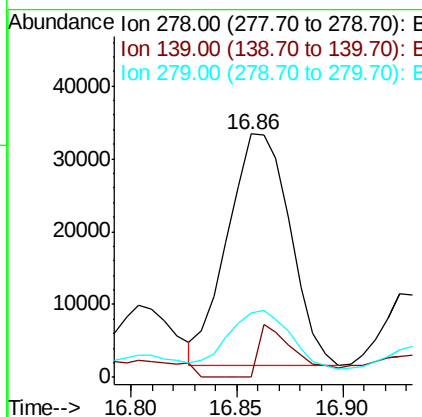
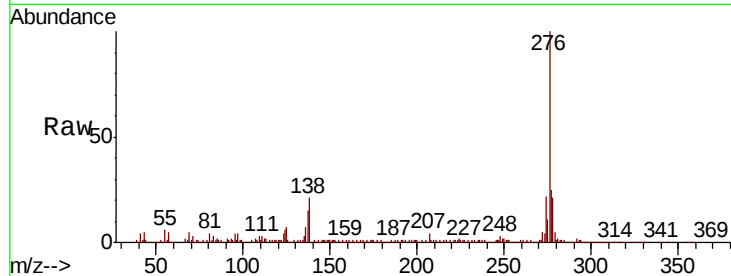
#91
Dibenzo(a,h)anthracene
Concen: 3.067 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	18.8#
279	26.3	19.5	29.3

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#92
Benzo(g,h,i)perylene
Concen: 12.915 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.03 min
Lab File: BF121169.D
Acq: 31 Jul 2020 20:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.0
138	20.5	17.2	25.8

