

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061521\
 Data File : BF124337.D
 Acq On : 15 Jun 2021 23:03
 Operator : JU/CG
 Sample : M2691-02DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208DL

Quant Time: Jun 16 01:28:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

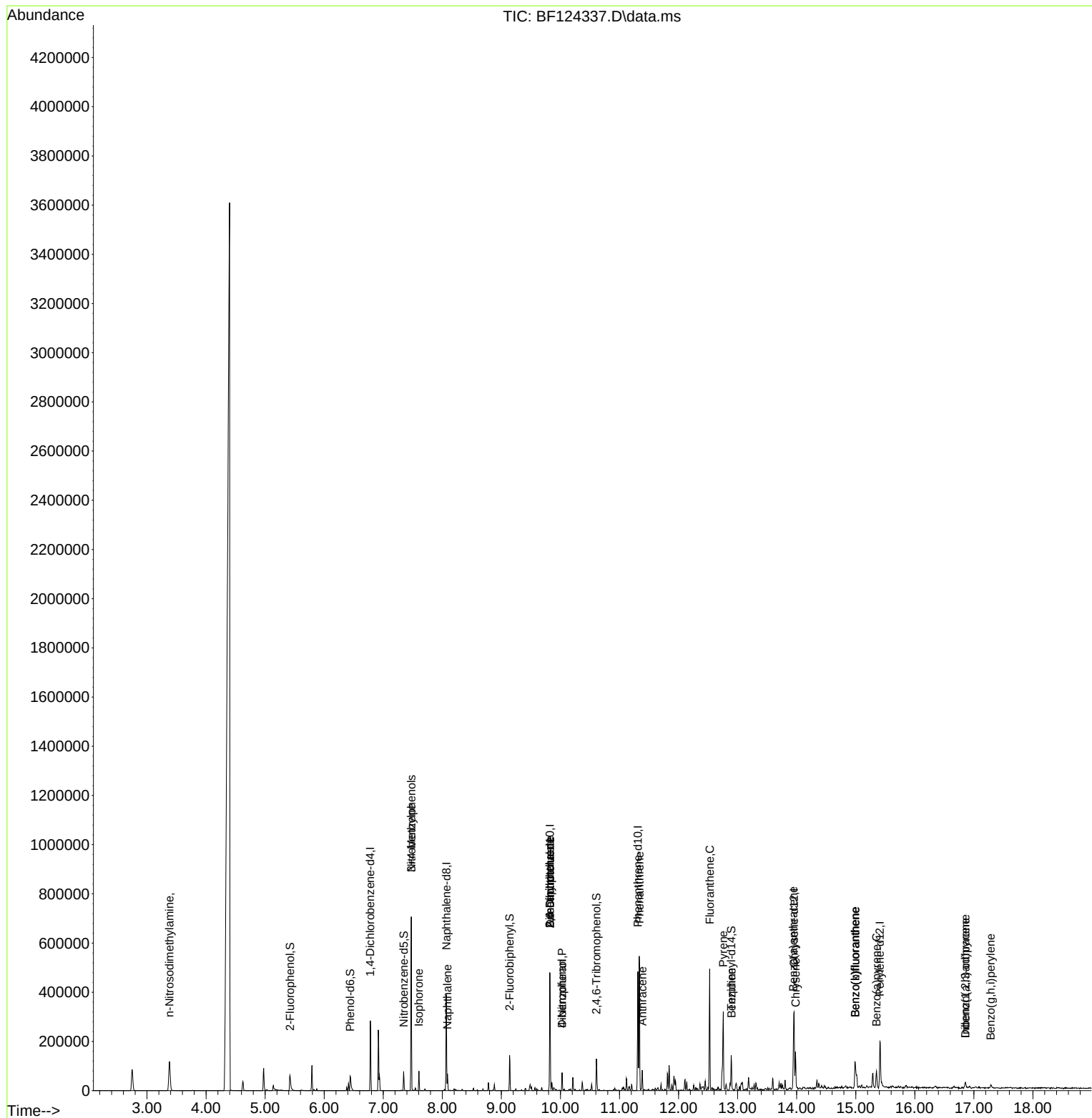
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	35433	20.00	ng	0.00
21) Naphthalene-d8	8.069	136	134769	20.00	ng	0.00
39) Acenaphthene-d10	9.821	164	81182	20.00	ng	0.00
64) Phenanthrene-d10	11.310	188	153787	20.00	ng	0.00
76) Chrysene-d12	13.957	240	86932	20.00	ng	0.00
86) Perylene-d12	15.409	264	64020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	20228	8.59	ng	0.00
7) Phenol-d6	6.439	99	8941	2.83	ng	0.00
23) Nitrobenzene-d5	7.345	82	20914	6.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	9203	8.00	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	39330	6.10	ng	-0.01
79) Terphenyl-d14	12.892	244	40354	6.37	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.381	42	5589	3.57	ng	# 8
20) 3+4-Methylphenols	7.475	107	5788	2.05	ng	# 1
24) Nitrobenzene	7.475	77	7817	2.29	ng	# 1
25) Isophorone	7.604	82	22414	3.66	ng	99
31) Naphthalene	8.086	128	23367	2.90	ng	# 93
50) Dimethylphthalate	9.821	163	17425	2.59	ng	# 1
51) 2,6-Dinitrotoluene	9.821	165	9920	6.44	ng	# 12
55) Dibenzofuran	10.027	168	19315	2.33	ng	94
56) 4-Nitrophenol	10.027	139	8281	8.04	ng	# 1
57) 2,4-Dinitrotoluene	9.821	165	9920	4.88	ng	# 18
71) Phenanthrene	11.339	178	193144	20.10	ng	96
72) Anthracene	11.386	178	29056	3.00	ng	96
75) Fluoranthene	12.527	202	167780	16.64	ng	96
77) Benzidine	12.898	184	749	4.40	ng	# 68
78) Pyrene	12.757	202	120530	14.44	ng	98
81) Benzo(a)anthracene	13.945	228	54237	8.56	ng	96
83) Chrysene	13.980	228	49989	8.18	ng	96
87) Indeno(1,2,3-cd)pyrene	16.856	276	11441	6.29	ng	# 92
88) Benzo(b)fluoranthene	14.992	252	73786	14.84	ng	97
89) Benzo(k)fluoranthene	14.992	252	73786	15.67	ng	98
90) Benzo(a)pyrene	15.351	252	29683	6.87	ng	97
91) Dibenzo(a,h)anthracene	16.856	278	4827	5.14	ng	# 58
92) Benzo(g,h,i)perylene	17.286	276	8984	5.65	ng	# 87

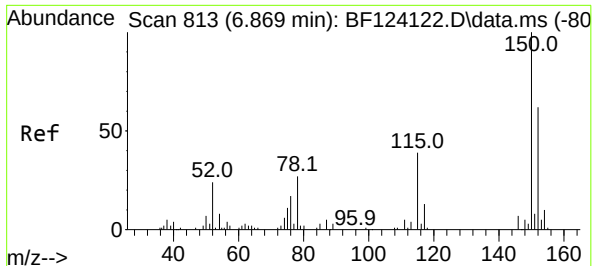
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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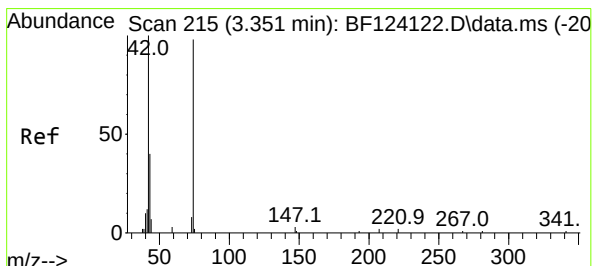
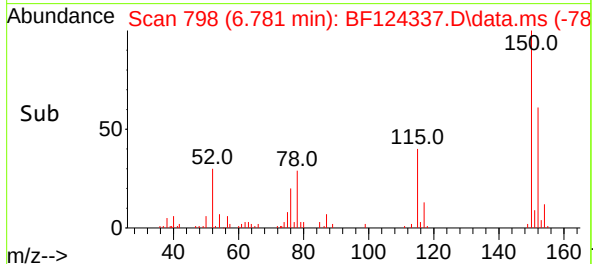
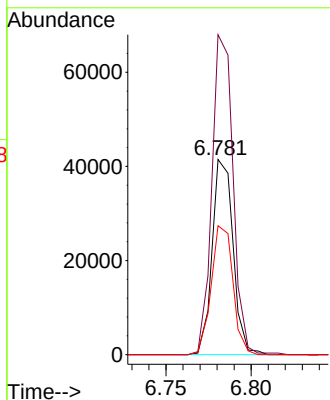
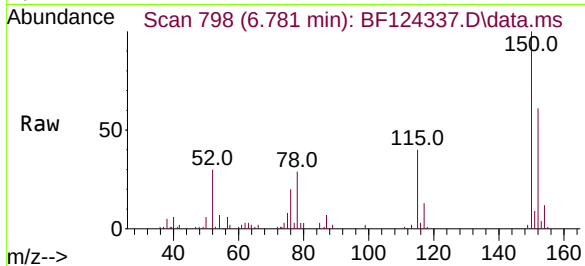




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

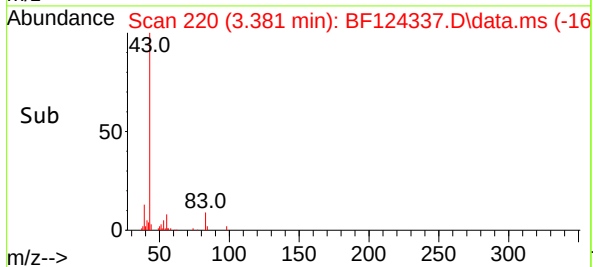
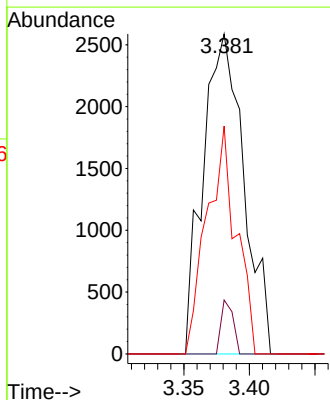
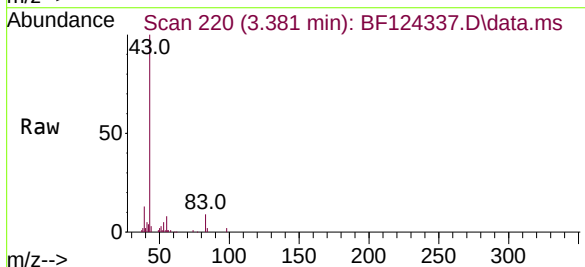
Instrument :
BNA_F
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RO-VNJ-208DL

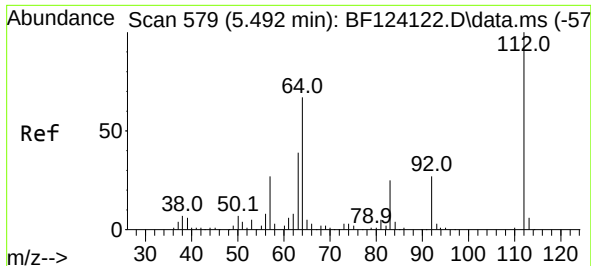
Tgt Ion:152 Resp: 35433
Ion Ratio Lower Upper
152 100
150 163.9 127.0 190.6
115 66.0 54.3 81.5



#4
n-Nitrosodimethylamine
Concen: 3.57 ng
RT: 3.381 min Scan# 220
Delta R.T. 0.200 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion: 42 Resp: 5589
Ion Ratio Lower Upper
42 100
74 16.8 83.5 125.3#
44 71.2 5.7 8.5#

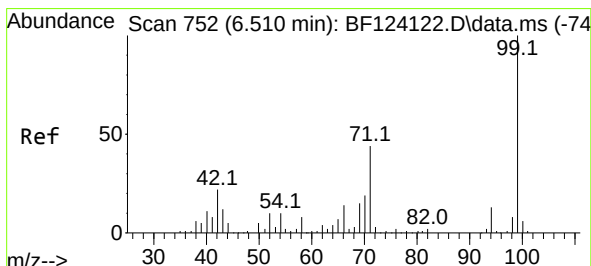
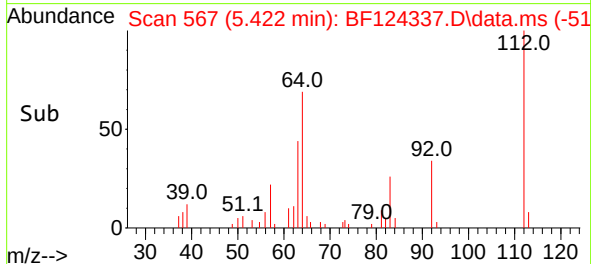
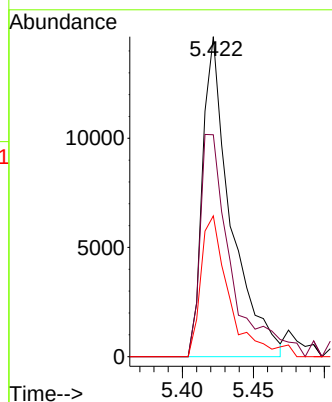
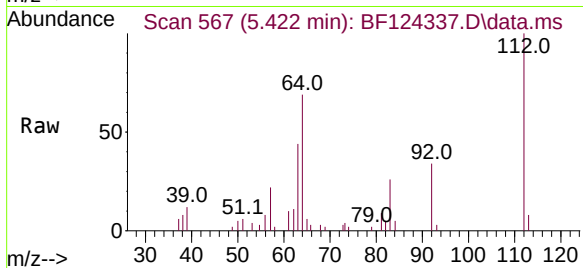




#5
2-Fluorophenol
Concen: 8.59 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

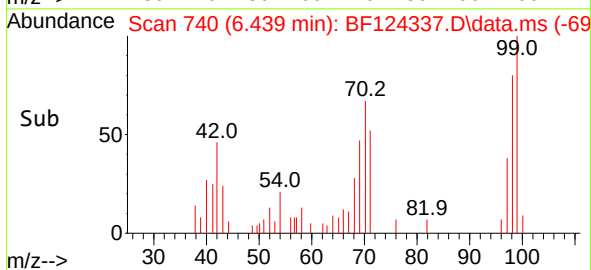
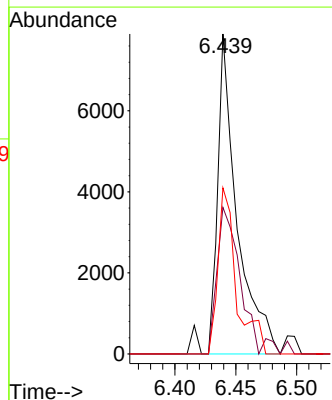
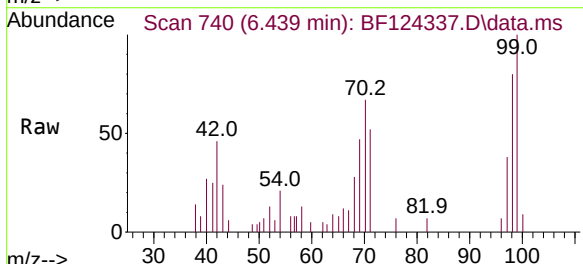
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

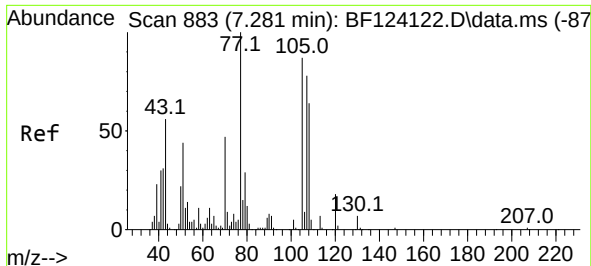
Tgt Ion:112 Resp: 20228
Ion Ratio Lower Upper
112 100
64 69.3 61.4 92.0
63 44.0 33.0 49.4



#7
Phenol-d6
Concen: 2.83 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion: 99 Resp: 8941
Ion Ratio Lower Upper
99 100
42 45.8 19.8 29.8#
71 51.9 31.1 46.7#

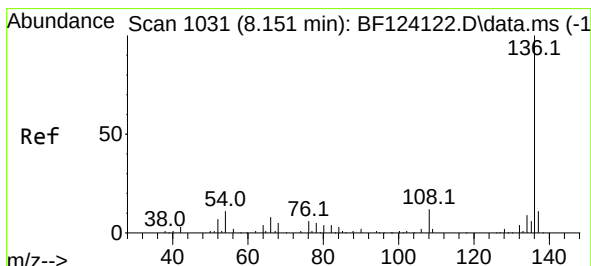
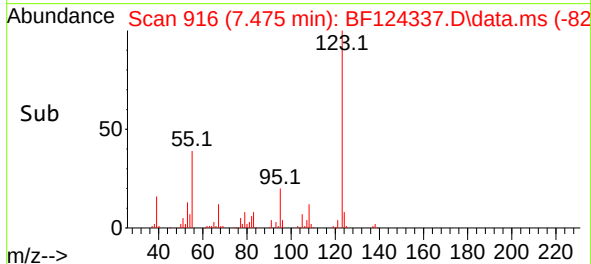
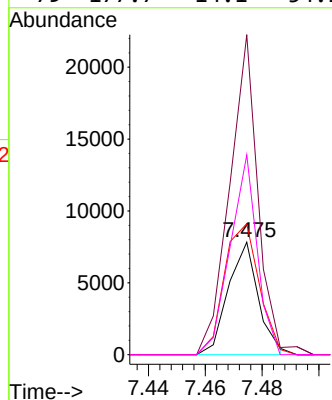
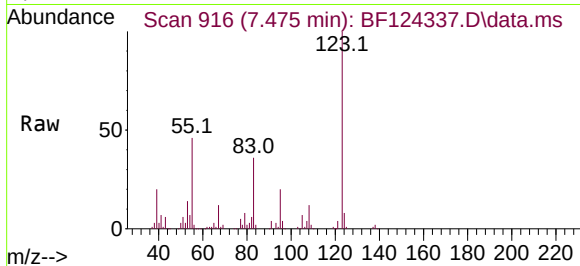




#20
3+4-Methylphenols
Concen: 2.05 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.259 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

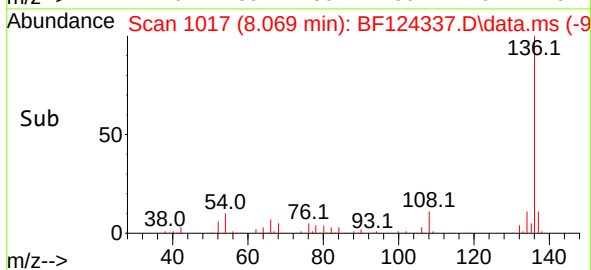
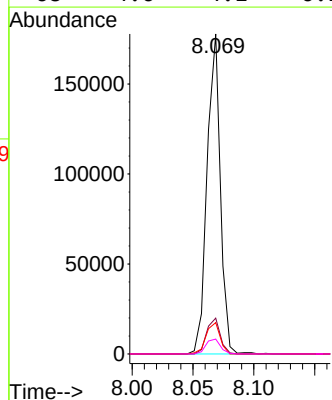
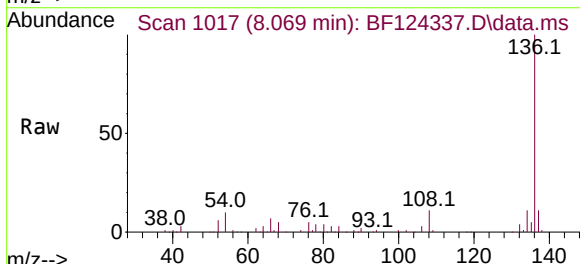
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

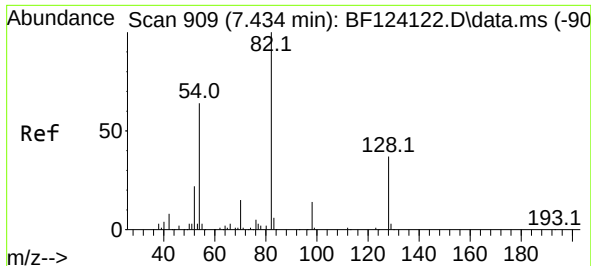
Tgt Ion:107 Resp: 5788
Ion Ratio Lower Upper
107 100
108 284.6 71.5 111.5#
77 116.6 82.0 122.0
79 177.7 14.1 54.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:136 Resp: 134769
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.8 9.8 14.6
68 4.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 6.15 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF124337.D

Acq: 15 Jun 2021 23:03

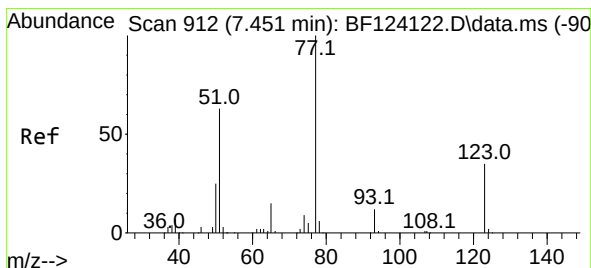
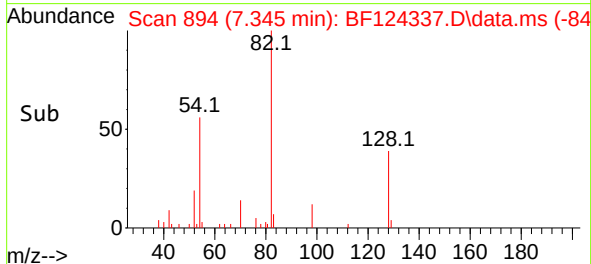
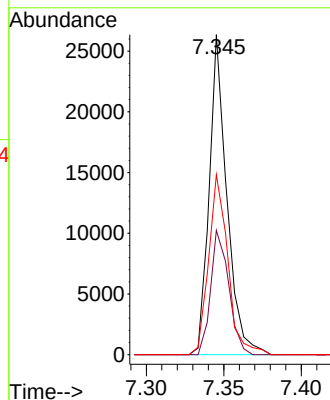
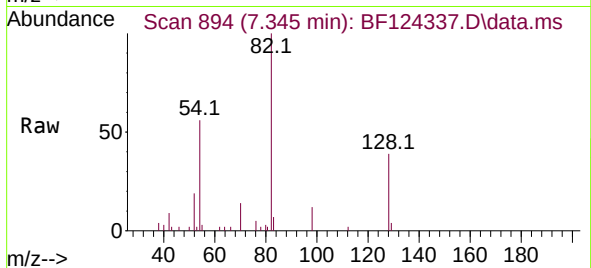
Instrument :

BNA_F

ClientSampleId :

RO-VNJ-208DL

Tgt Ion:	82	Resp:	20914
Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.4	44.2
54	56.2	54.1	81.1



#24

Nitrobenzene

Concen: 2.29 ng

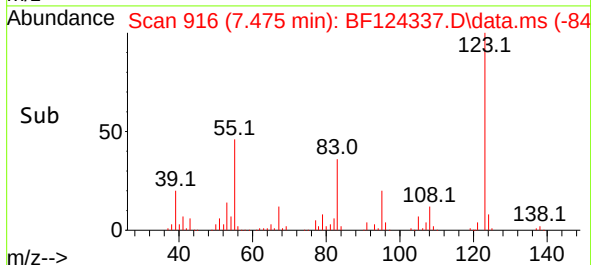
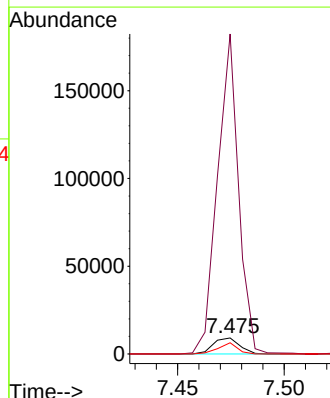
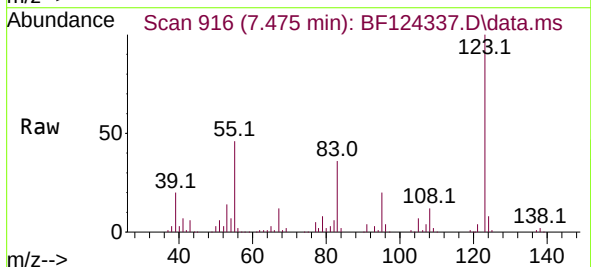
RT: 7.475 min Scan# 916

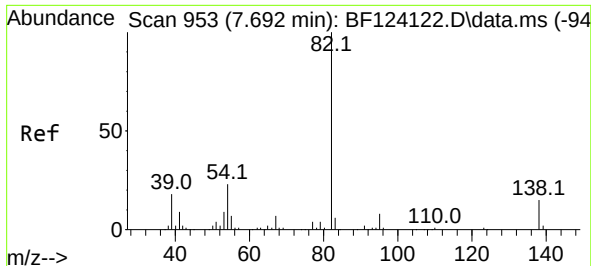
Delta R.T. 0.094 min

Lab File: BF124337.D

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Tgt Ion:	77	Resp:	7817
Ion	Ratio	Lower	Upper
77	100		
123	1999.3	34.5	51.7#
65	69.9	12.2	18.2#

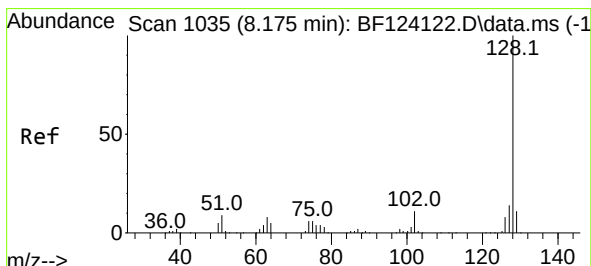
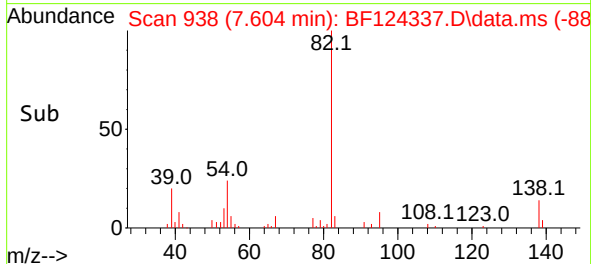
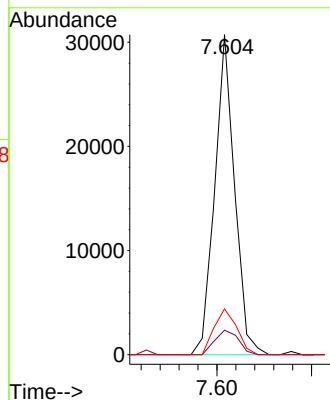
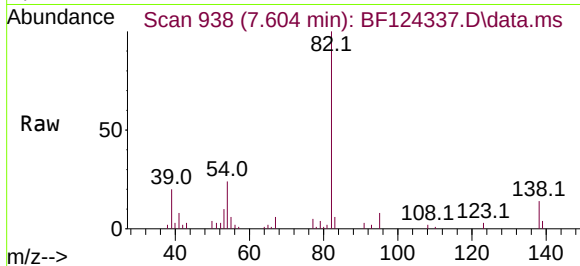




#25
Isophorone
Concen: 3.66 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

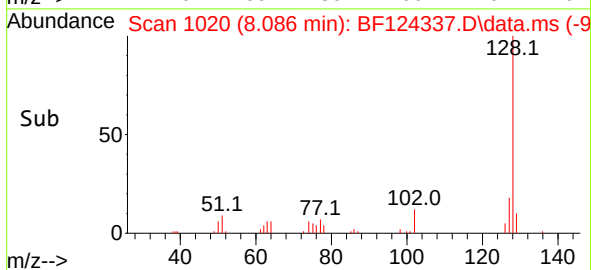
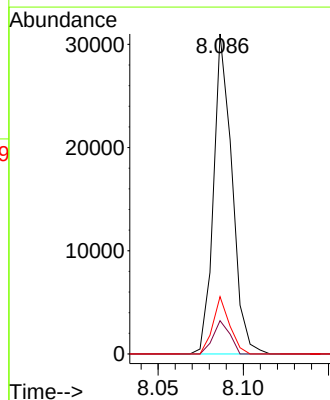
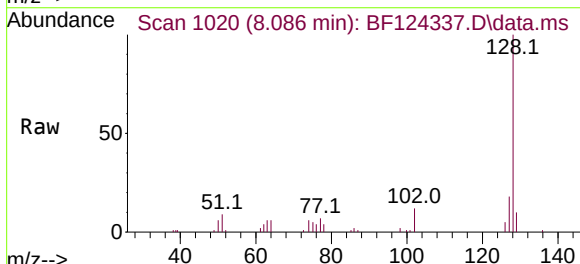
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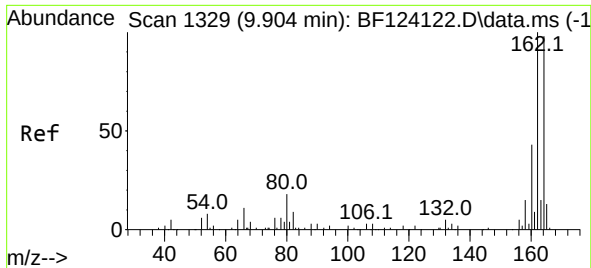
Tgt Ion:	82	Resp:	22414
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.8	8.6
138	14.3	11.8	17.8



#31
Naphthalene
Concen: 2.90 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:	128	Resp:	23367
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.9	13.3
127	17.9	10.8	16.2

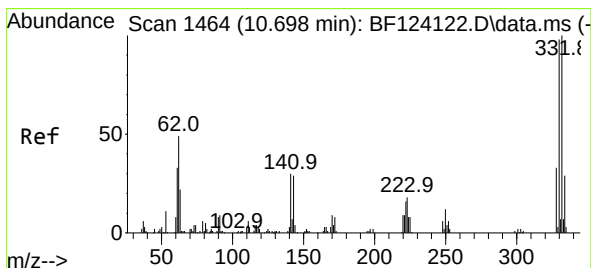
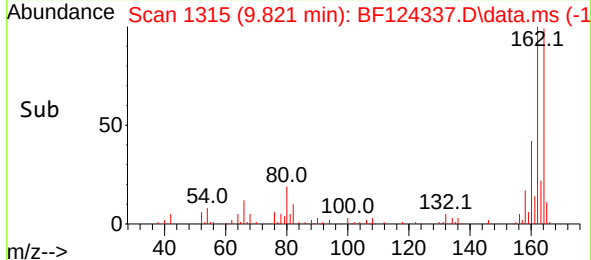
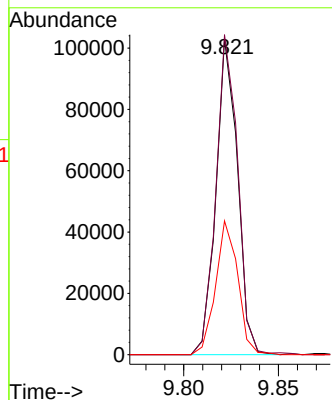
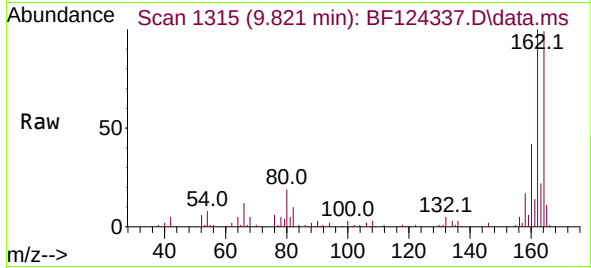




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

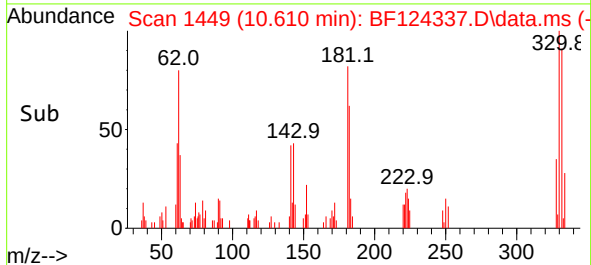
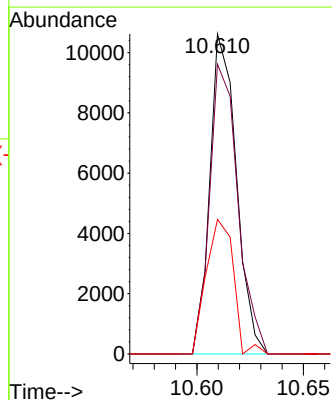
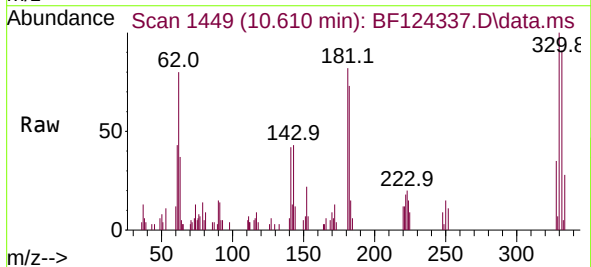
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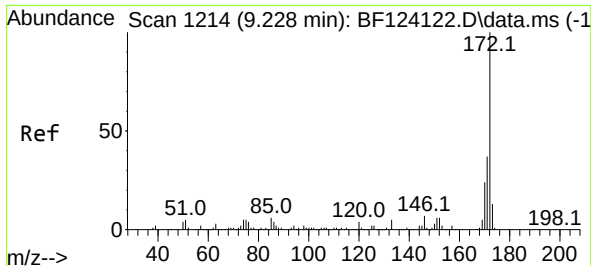
Tgt Ion:164 Resp: 81182
Ion Ratio Lower Upper
164 100
162 101.4 80.7 121.1
160 42.4 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 8.00 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:330 Resp: 9203
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 42.9 27.9 41.9#

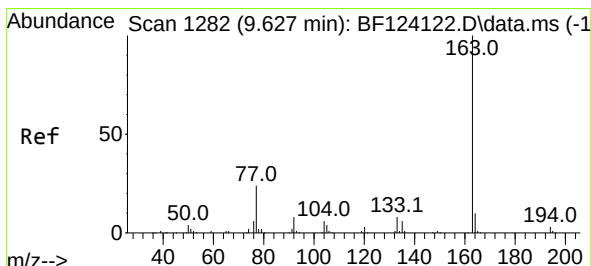
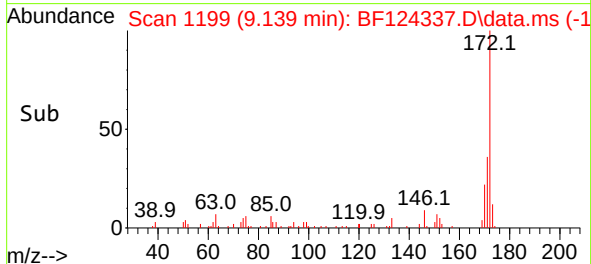
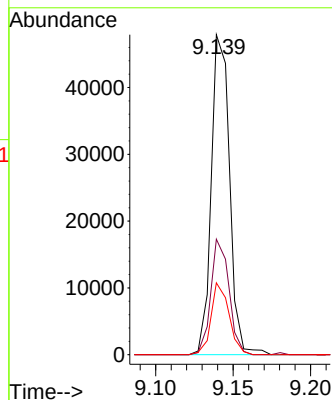
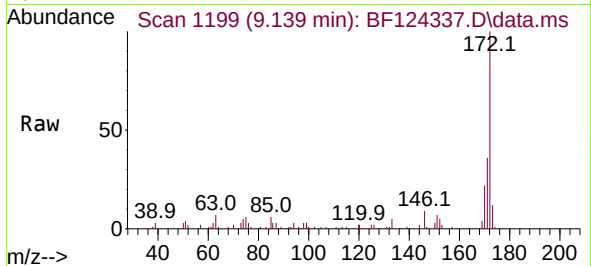




#45
2-Fluorobiphenyl
Concen: 6.10 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

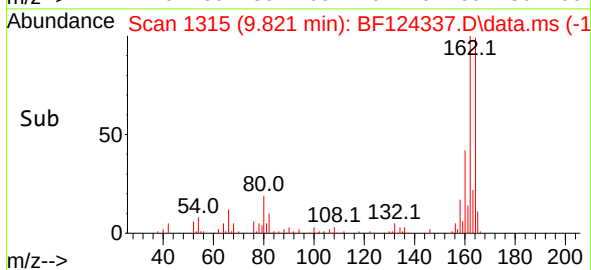
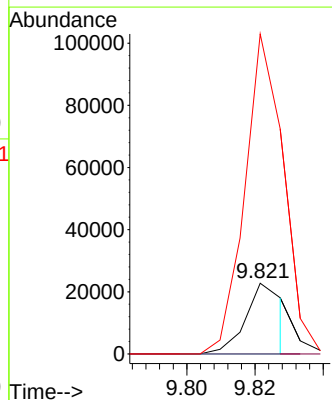
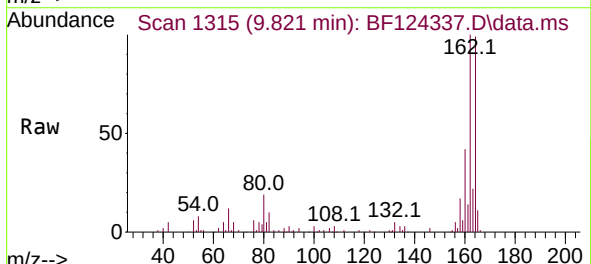
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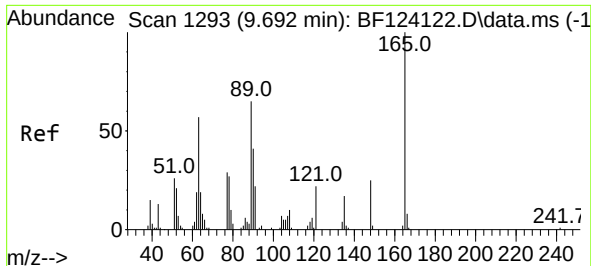
Tgt Ion:172 Resp: 39330
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.5 19.2 28.8



#50
Dimethylphthalate
Concen: 2.59 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:163 Resp: 17425
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 452.7 8.2 12.2#

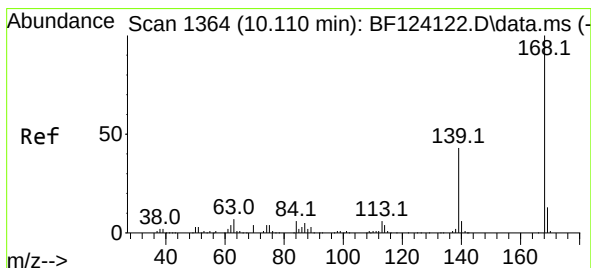
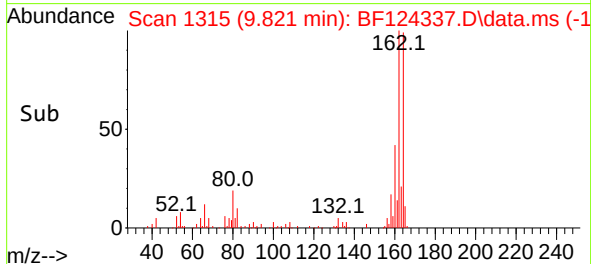
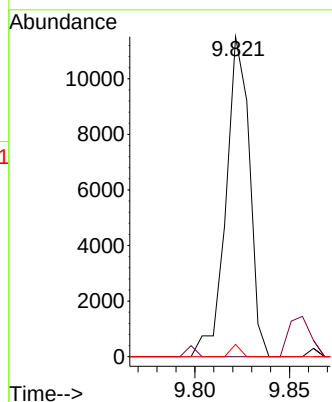
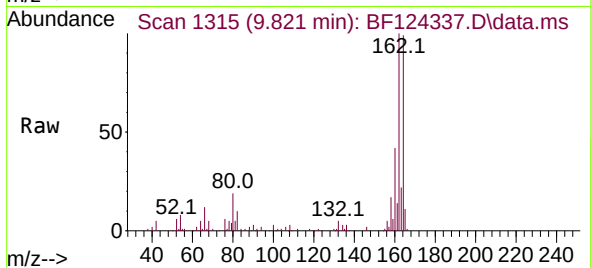




#51
2,6-Dinitrotoluene
Concen: 6.44 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

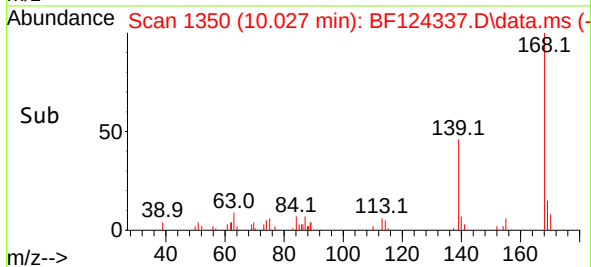
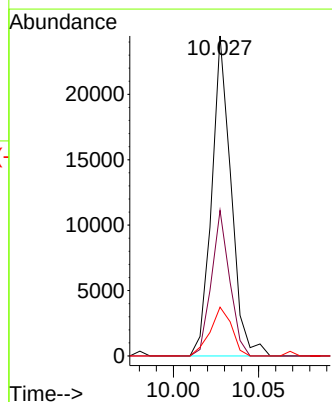
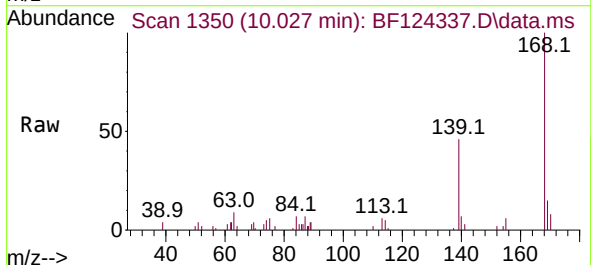
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

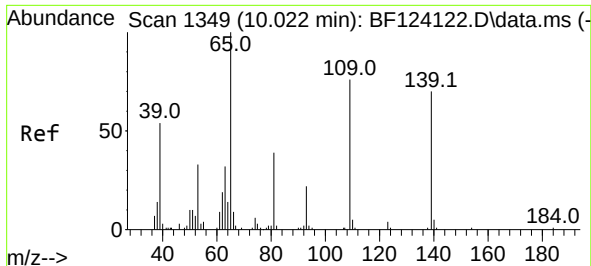
Tgt Ion:165 Resp: 9920
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.9 58.8 88.2#



#55
Dibenzofuran
Concen: 2.33 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:168 Resp: 19315
Ion Ratio Lower Upper
168 100
139 45.5 33.2 49.8
169 15.3 10.8 16.2

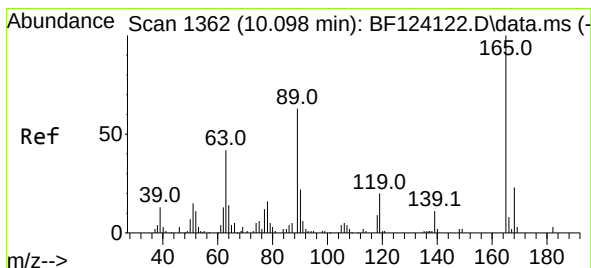
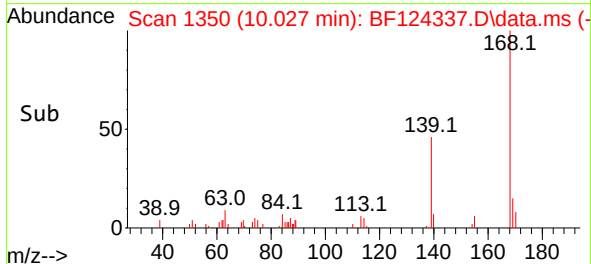
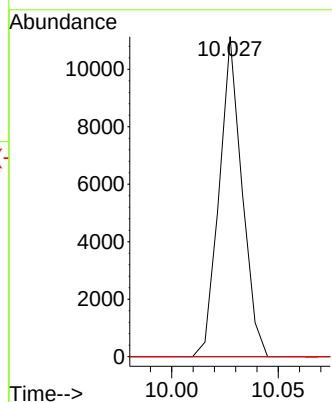
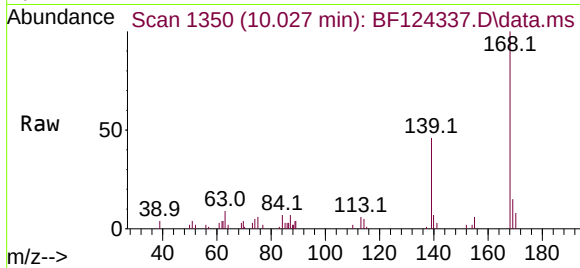




#56
4-Nitrophenol
Concen: 8.04 ng
RT: 10.027 min Scan# 1350
Delta R.T. 0.047 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

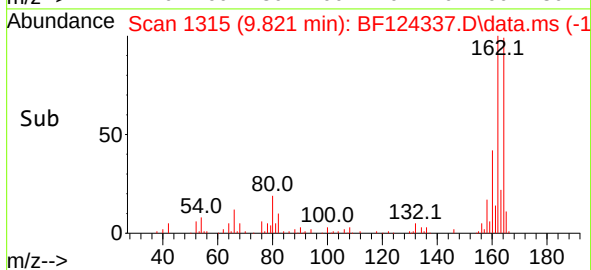
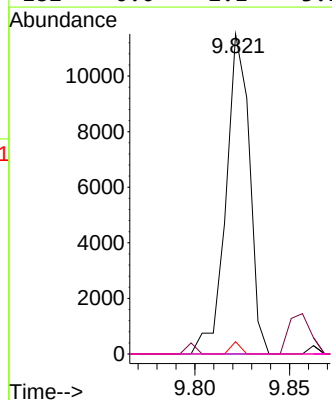
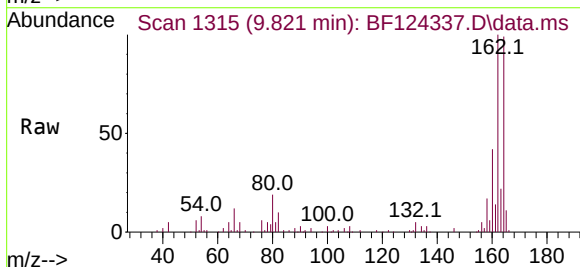
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

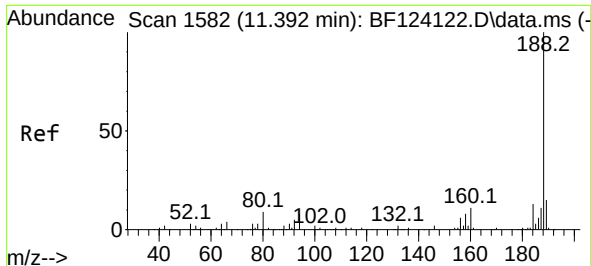
Tgt Ion:139 Resp: 8281
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 4.88 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:165 Resp: 9920
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.9 67.7 101.5#
182 0.0 2.1 3.1#

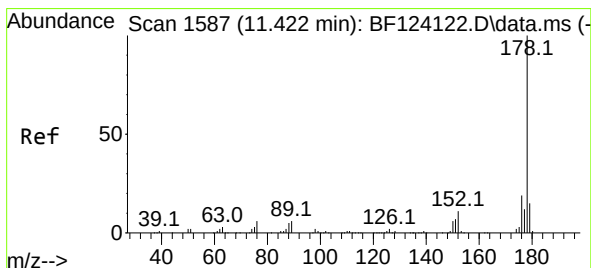
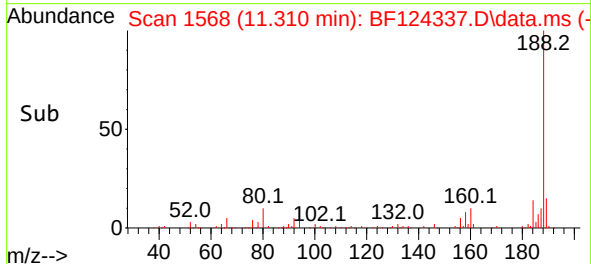
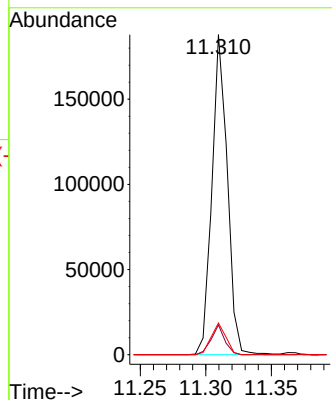
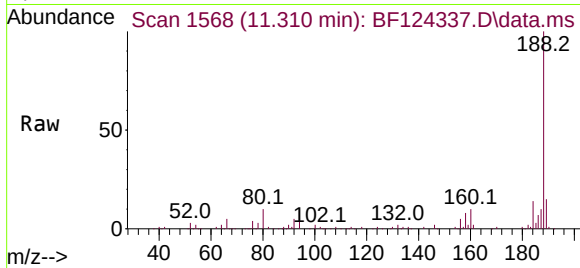




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

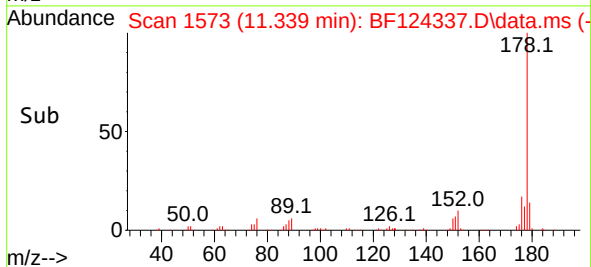
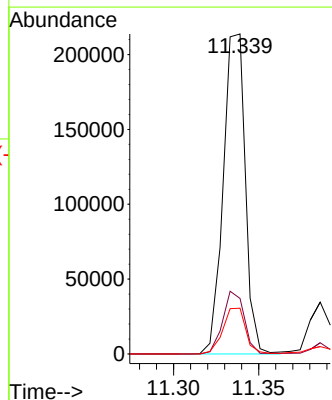
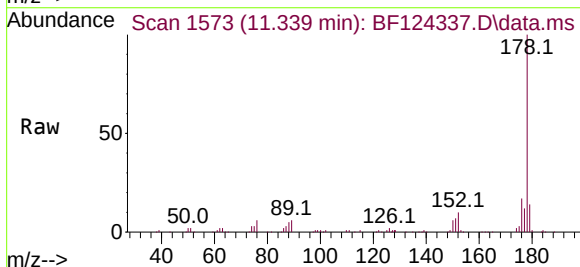
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

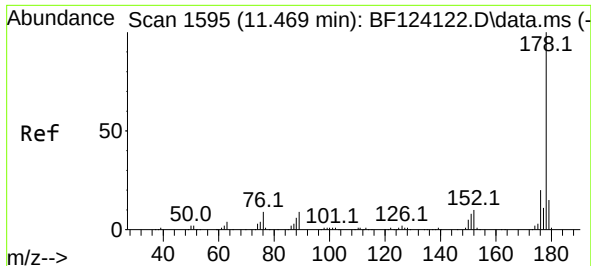
Tgt Ion:188 Resp: 153787
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 9.9 8.2 12.2



#71
Phenanthrene
Concen: 20.10 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:178 Resp: 193144
Ion Ratio Lower Upper
178 100
176 17.4 15.6 23.4
179 14.3 12.5 18.7

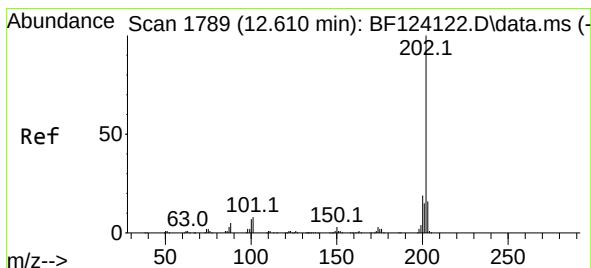
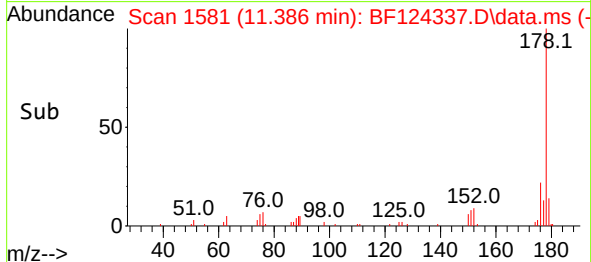
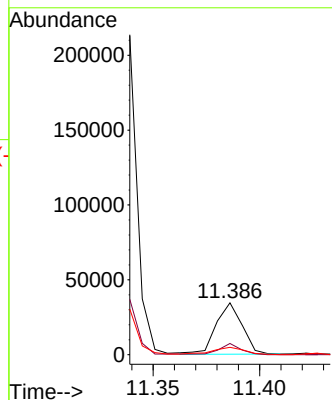
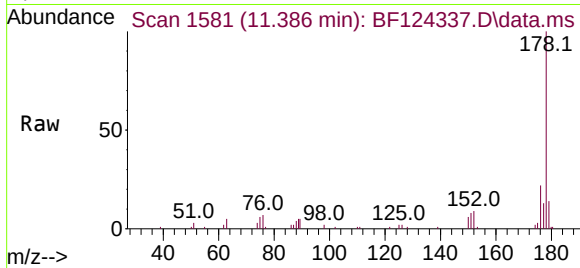




#72
 Anthracene
 Concen: 3.00 ng
 RT: 11.386 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF124337.D
 Acq: 15 Jun 2021 23:03

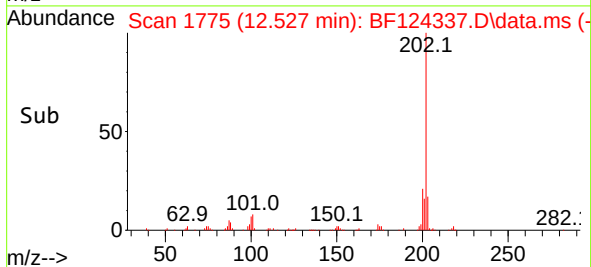
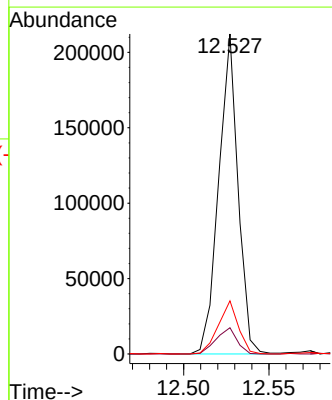
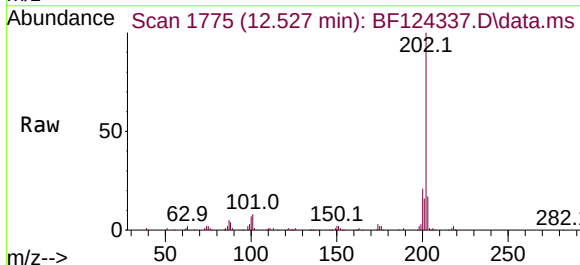
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208DL

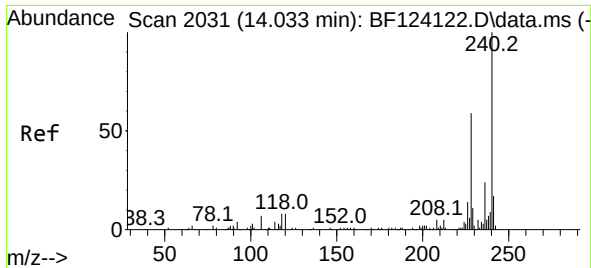
Tgt Ion:178 Resp: 29056
 Ion Ratio Lower Upper
 178 100
 176 21.5 15.4 23.0
 179 14.3 12.6 18.8



#75
 Fluoranthene
 Concen: 16.64 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF124337.D
 Acq: 15 Jun 2021 23:03

Tgt Ion:202 Resp: 167780
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 30.9
 203 16.6 0.0 37.5

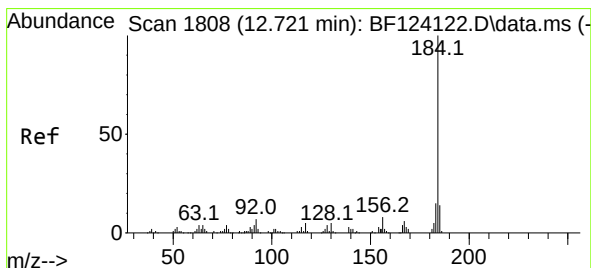
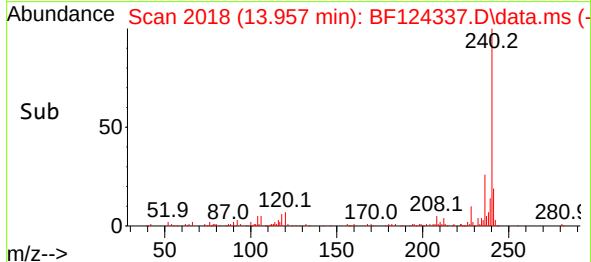
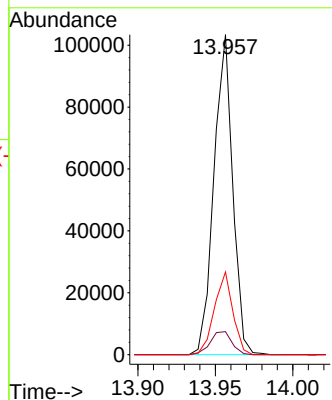
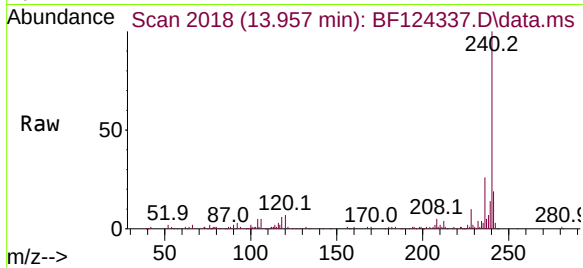




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

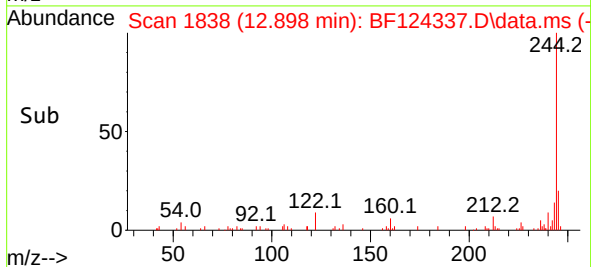
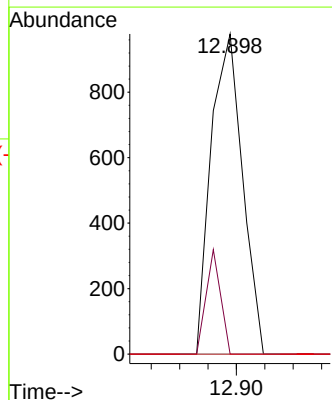
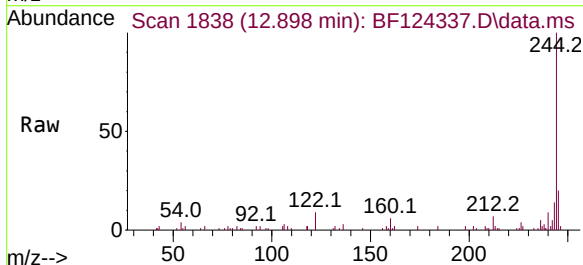
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

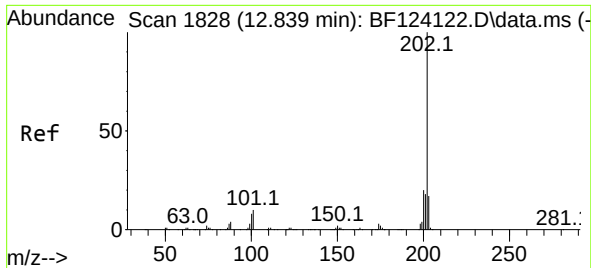
Tgt Ion:240 Resp: 86932
Ion Ratio Lower Upper
240 100
120 7.2 7.2 10.8
236 25.8 19.0 28.4



#77
Benzidine
Concen: 4.40 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.200 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:184 Resp: 749
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

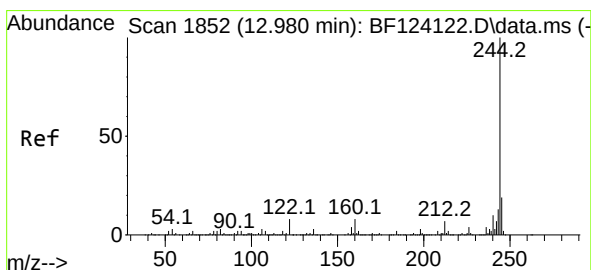
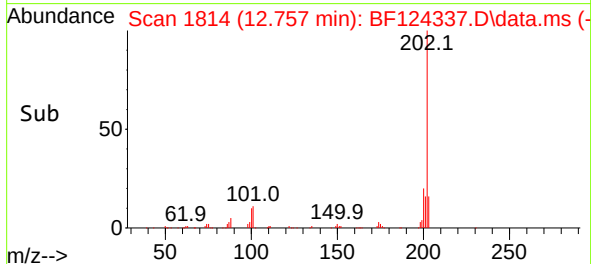
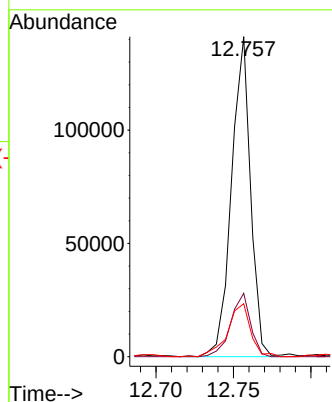
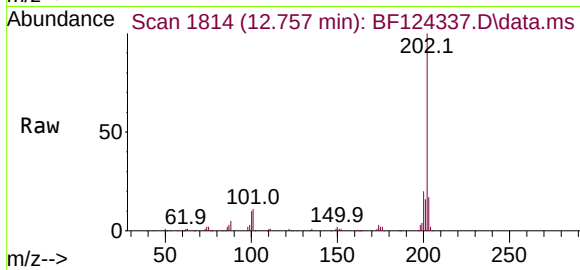




#78
 Pyrene
 Concen: 14.44 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: BF124337.D
 Acq: 15 Jun 2021 23:03

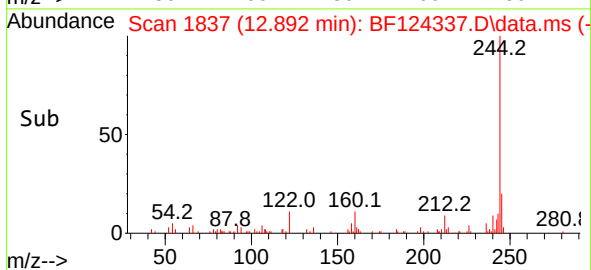
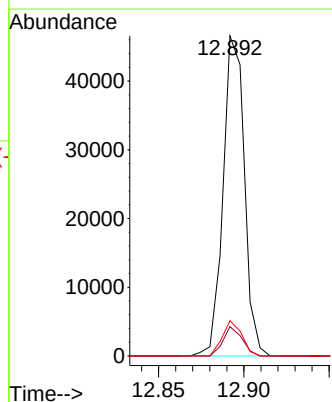
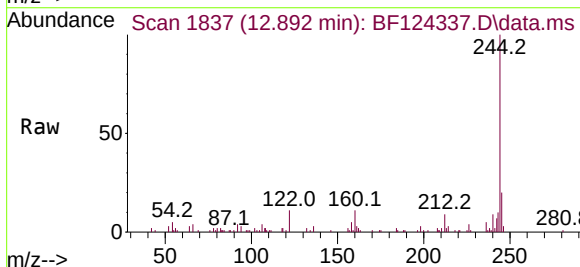
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208DL

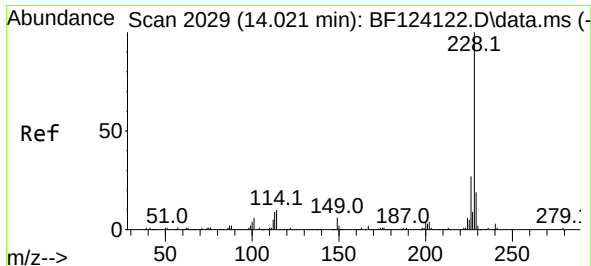
Tgt Ion:202 Resp: 120530
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.1 24.1
 203 16.6 14.8 22.2



#79
 Terphenyl-d14
 Concen: 6.37 ng
 RT: 12.892 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF124337.D
 Acq: 15 Jun 2021 23:03

Tgt Ion:244 Resp: 40354
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.7 8.5#
 122 11.0 9.7 14.5

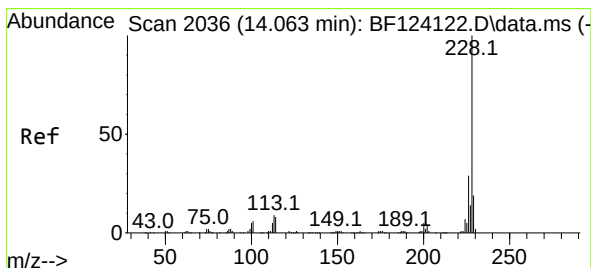
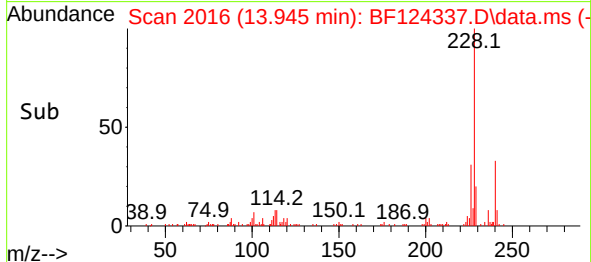
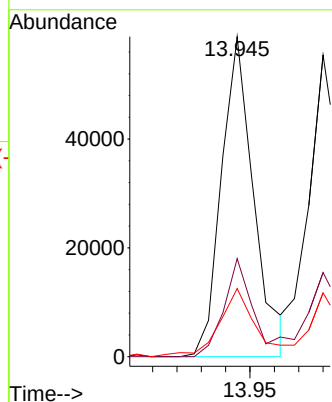
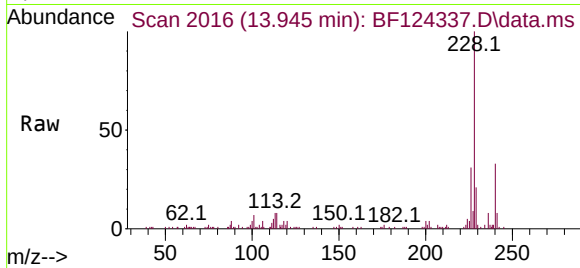




#81
Benzo(a)anthracene
Concen: 8.56 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

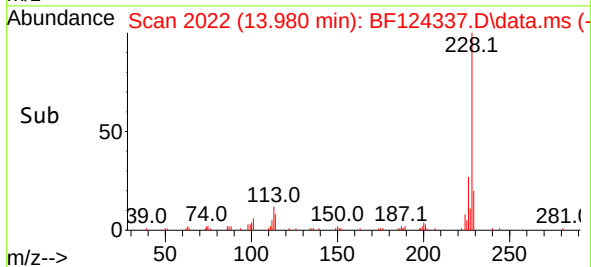
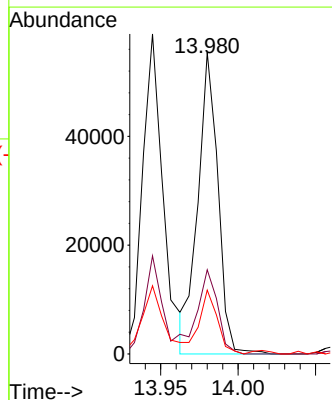
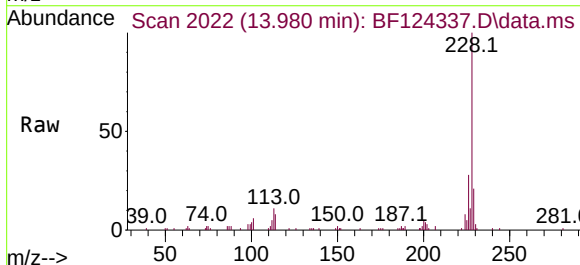
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

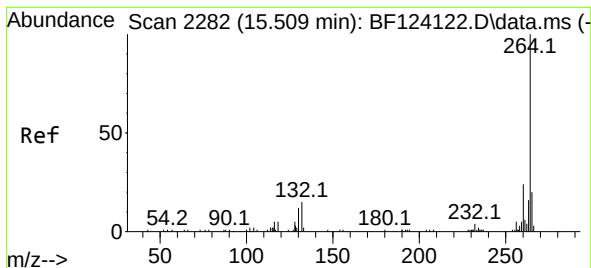
Tgt Ion:228 Resp: 54237
Ion Ratio Lower Upper
228 100
226 30.6 22.4 33.6
229 21.3 16.0 24.0



#83
Chrysene
Concen: 8.18 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:228 Resp: 49989
Ion Ratio Lower Upper
228 100
226 27.9 24.3 36.5
229 21.1 16.2 24.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.409 min Scan# 2265

Delta R.T. -0.006 min

Lab File: BF124337.D

Acq: 15 Jun 2021 23:03

Tgt Ion:264 Resp: 64020

Ion Ratio Lower Upper

264 100

260 24.8 18.7 28.1

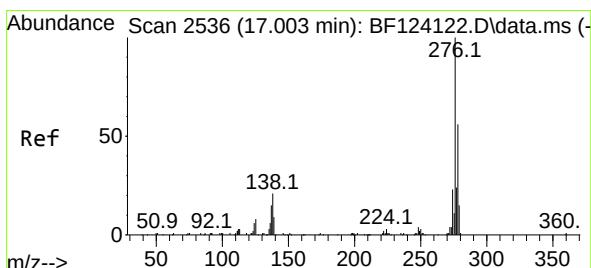
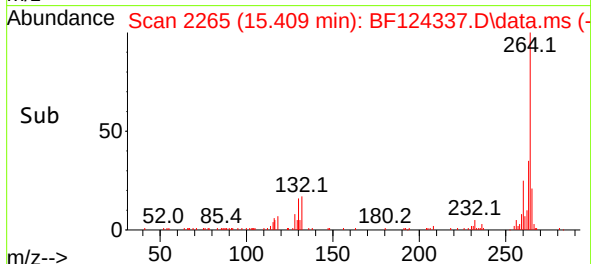
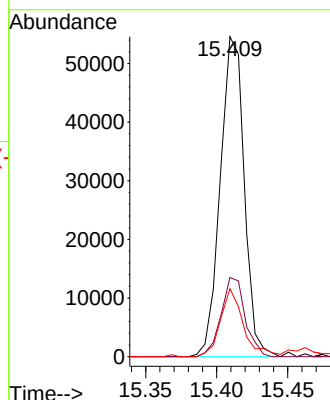
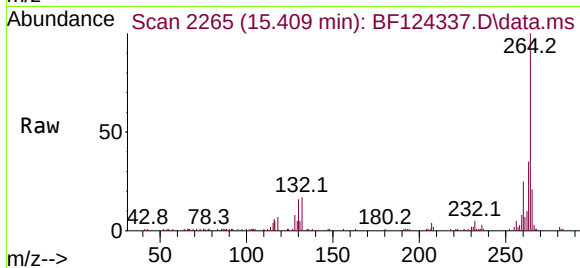
265 21.2 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-208DL



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.29 ng

RT: 16.856 min Scan# 2511

Delta R.T. -0.018 min

Lab File: BF124337.D

Acq: 15 Jun 2021 23:03

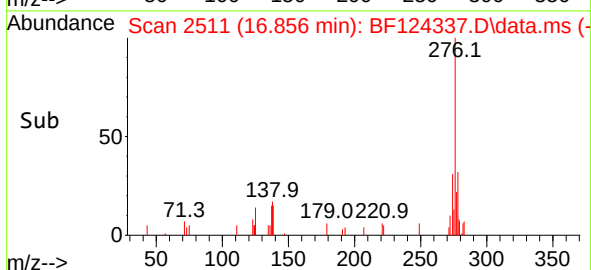
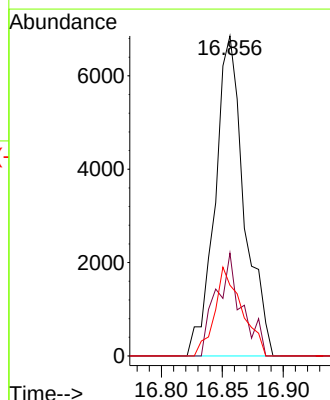
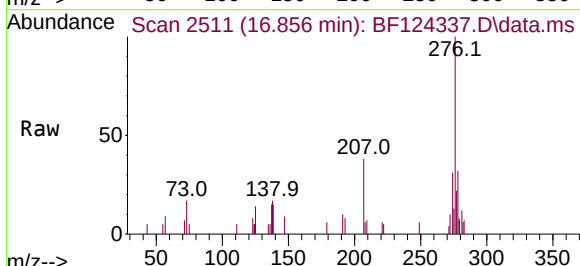
Tgt Ion:276 Resp: 11441

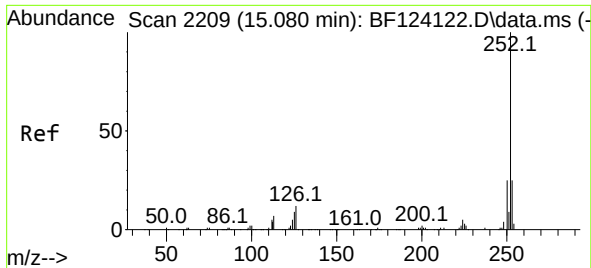
Ion Ratio Lower Upper

276 100

138 28.1 16.2 24.2#

277 25.9 20.1 30.1

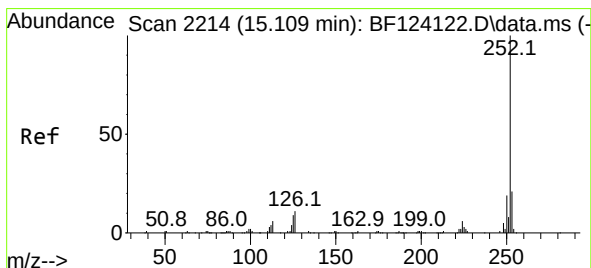
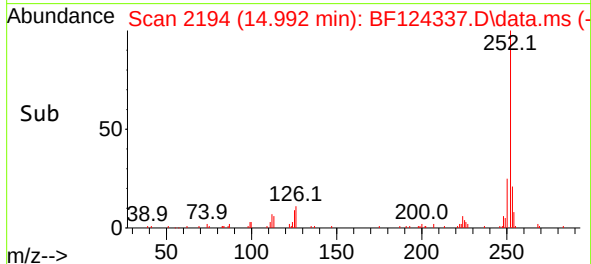
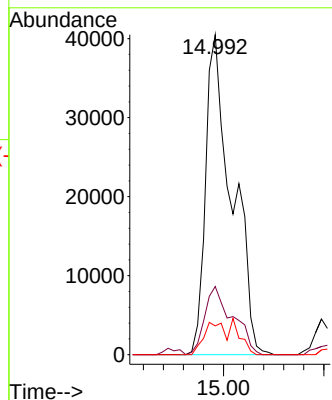
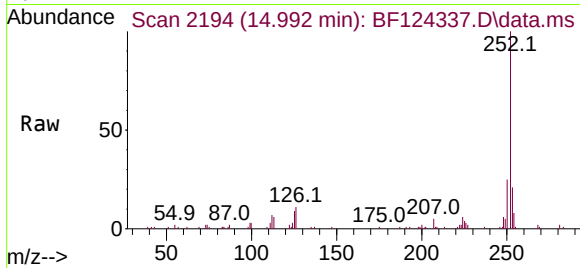




#88
Benzo(b)fluoranthene
Concen: 14.84 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

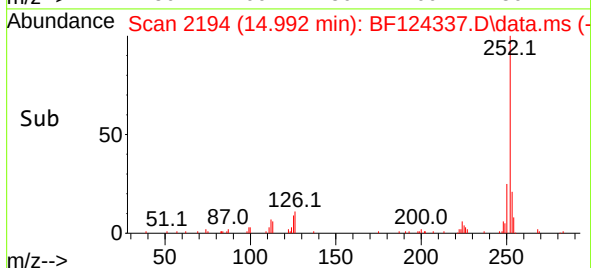
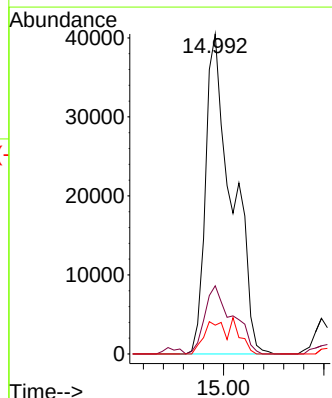
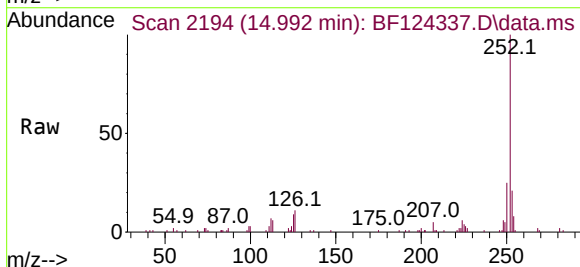
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

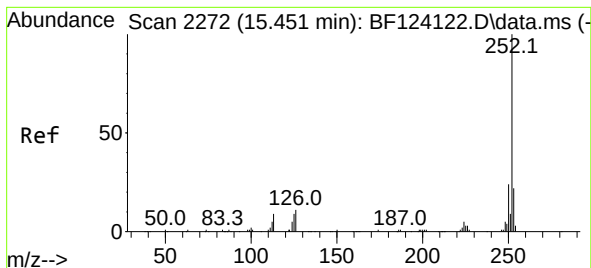
Tgt Ion:252 Resp: 73786
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 9.0 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 15.67 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Tgt Ion:252 Resp: 73786
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 9.0 7.0 10.6





#90

Benzo(a)pyrene

Concen: 6.87 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF124337.D

Acq: 15 Jun 2021 23:03

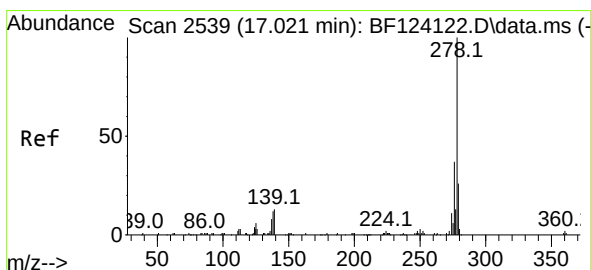
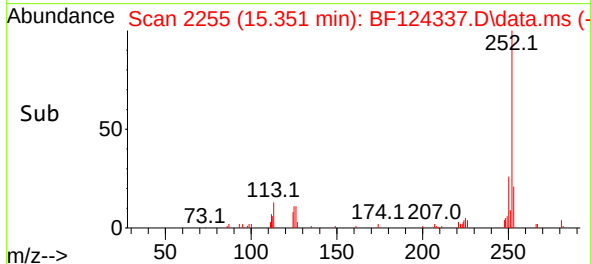
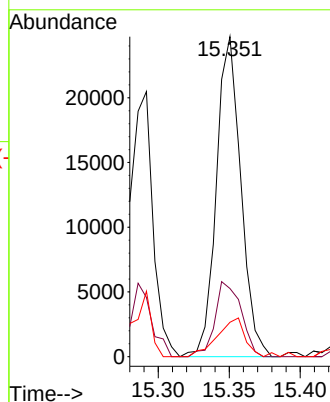
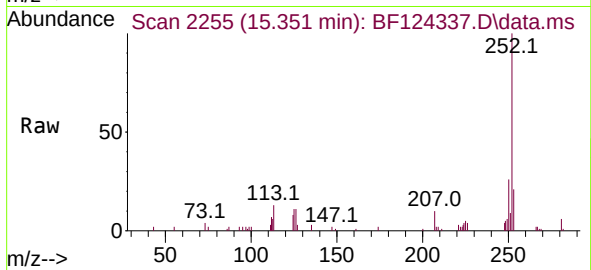
Tgt Ion:	252	Resp:	29683
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.4	27.6
125	10.7	8.0	12.0

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-208DL



#91

Dibenzo(a,h)anthracene

Concen: 5.14 ng

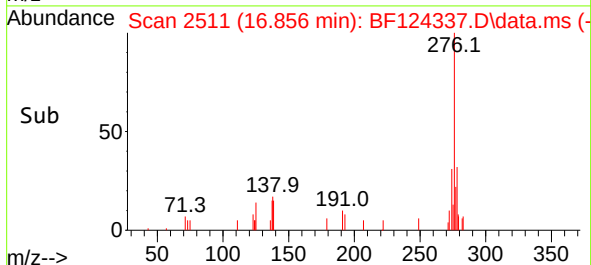
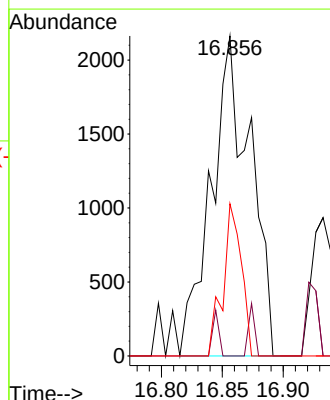
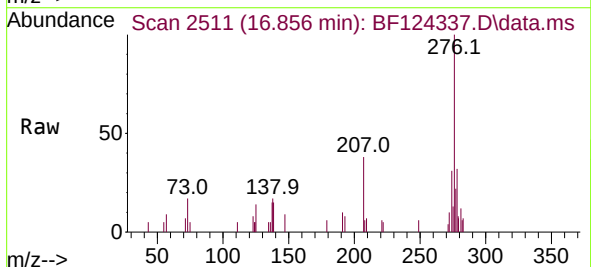
RT: 16.856 min Scan# 2511

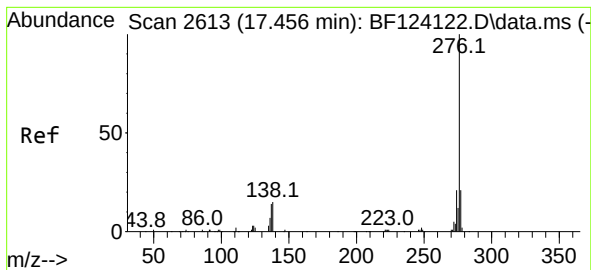
Delta R.T. -0.029 min

Lab File: BF124337.D

Acq: 15 Jun 2021 23:03

Tgt Ion:	278	Resp:	4827
Ion Ratio	Lower	Upper	
278	100		
139	0.0	10.2	15.2#
279	47.5	19.4	29.0#





#92
Benzo(g,h,i)perylene
Concen: 5.65 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.029 min
Lab File: BF124337.D
Acq: 15 Jun 2021 23:03

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208DL

Tgt Ion: 276 Resp: 8984
Ion Ratio Lower Upper
276 100
277 17.1 18.2 27.2#
138 24.1 13.8 20.6#

