

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120320\
 Data File : BF122535.D
 Acq On : 3 Dec 2020 13:51
 Operator : JU/CG
 Sample : L4911-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SK-12-1-SPA

Quant Time: Dec 03 14:16:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 14:38:56 2020
 Response via : Initial Calibration

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

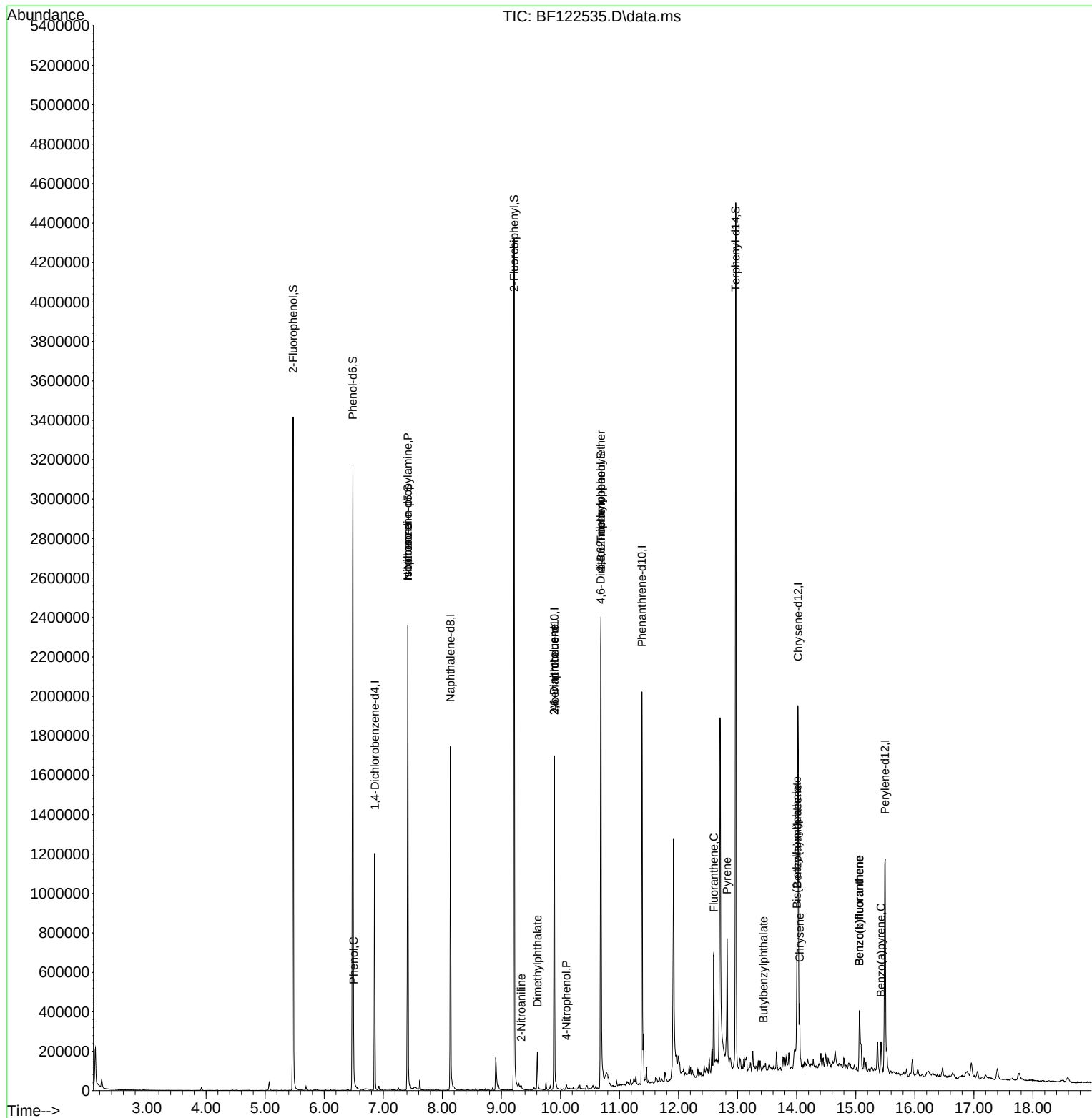
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	186889	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	722871	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	392647	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	741509	20.00	ng	0.00
76) Chrysene-d12	14.021	240	621408	20.00	ng	-0.01
86) Perylene-d12	15.498	264	539023	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	934302	76.76	ng	0.00
7) Phenol-d6	6.487	99	1169679	73.46	ng	-0.01
23) Nitrobenzene-d5	7.416	82	724949	61.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	377635	89.61	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1330490	52.94	ng	0.00
79) Terphenyl-d14	12.968	244	1422369	48.49	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	1109	Below Cal		91
10) Phenol	6.498	94	58396	3.72	ng	76
19) n-Nitroso-di-n-propyla...	7.416	70	95638	10.05	ng	# 74
25) Isophorone	7.416	82	716467	27.22	ng	# 67
48) 2-Nitroaniline	9.339	65	124	5.18	ng	# 6
50) Dimethylphthalate	9.610	163	84309	3.02	ng	99
51) 2,6-Dinitrotoluene	9.892	165	49750	11.19	ng	# 20
56) 4-Nitrophenol	10.098	139	2418	5.78	ng	# 19
57) 2,4-Dinitrotoluene	9.892	165	49751	10.45	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.680	198	741	6.44	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	22754	2.61	ng	# 1
75) Fluoranthene	12.598	202	250746	5.71	ng	96
78) Pyrene	12.821	202	245006	5.61	ng	99
80) Butylbenzylphthalate	13.439	149	1323	3.36	ng	# 83
81) Benzo(a)anthracene	14.010	228	120279	3.11	ng	99
83) Chrysene	14.051	228	131644	3.38	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	102834	4.89	ng	98
88) Benzo(b)fluoranthene	15.062	252	212513	6.09	ng	# 97
89) Benzo(k)fluoranthene	15.062	252	212516	6.24	ng	# 97
90) Benzo(a)pyrene	15.427	252	76549	2.52	ng	96

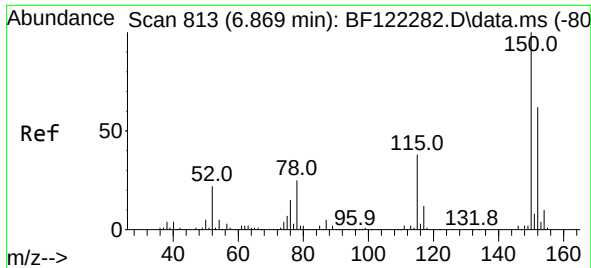
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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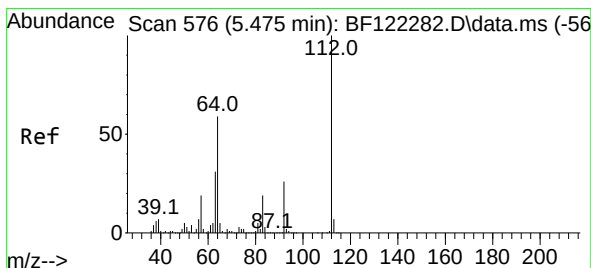
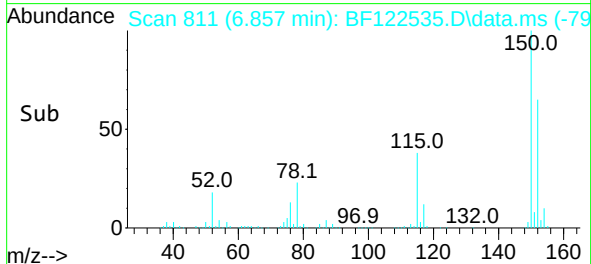
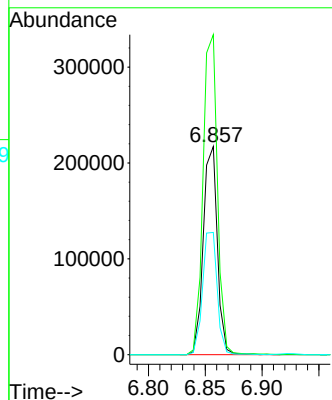
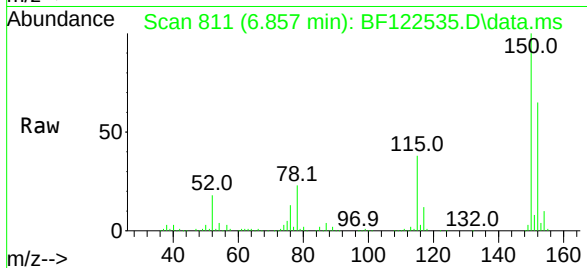




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

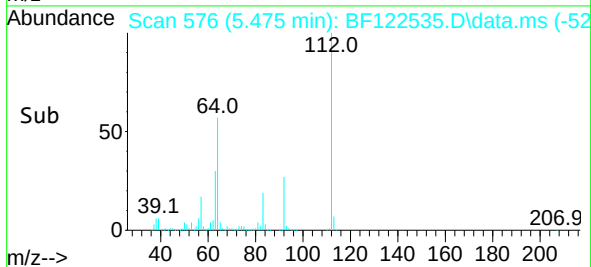
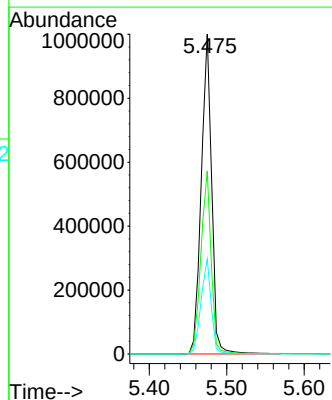
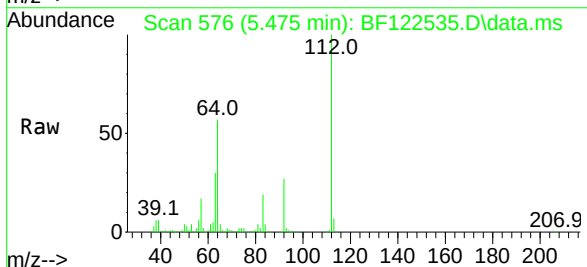
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

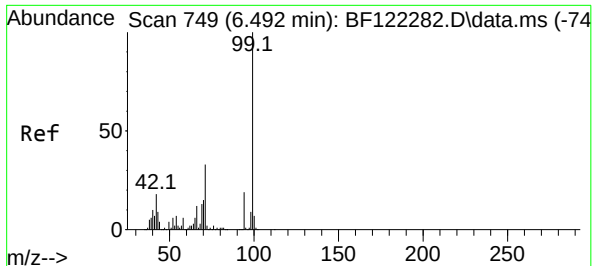
Tgt Ion:152 Resp: 186889
Ion Ratio Lower Upper
152 100
150 153.8 125.3 187.9
115 58.8 51.9 77.9



#5
2-Fluorophenol
Concen: 76.76 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:112 Resp: 934302
Ion Ratio Lower Upper
112 100
64 57.2 50.4 75.6
63 29.7 25.8 38.6

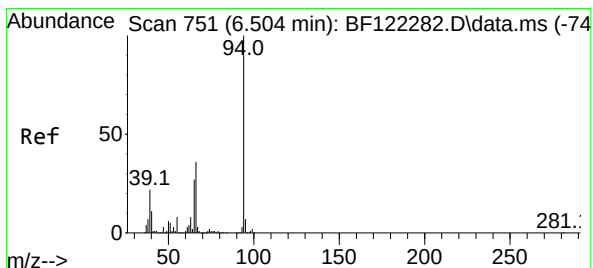
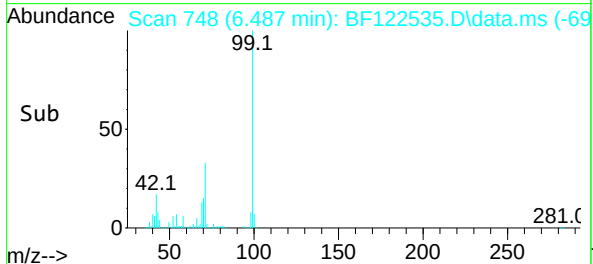
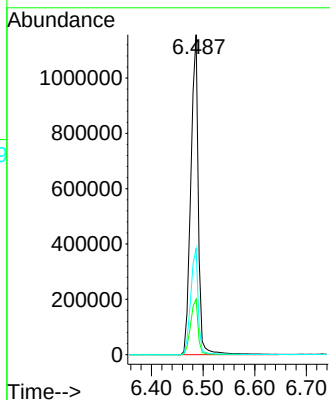
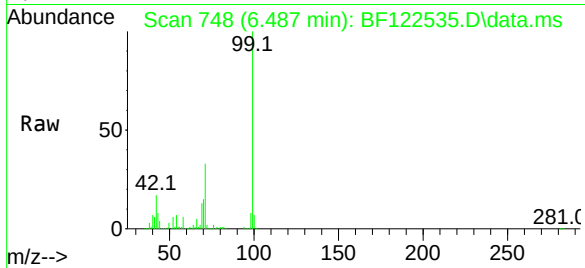




#7
Phenol-d6
Concen: 73.46 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

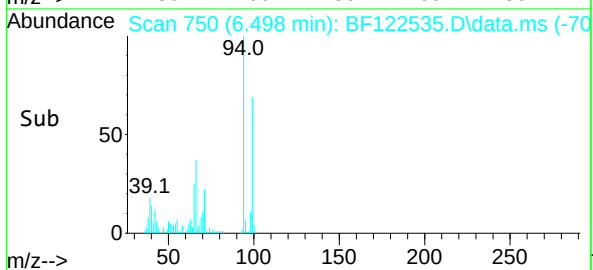
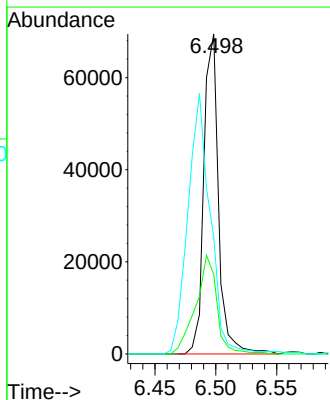
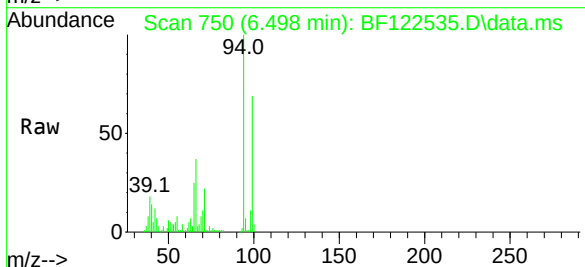
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

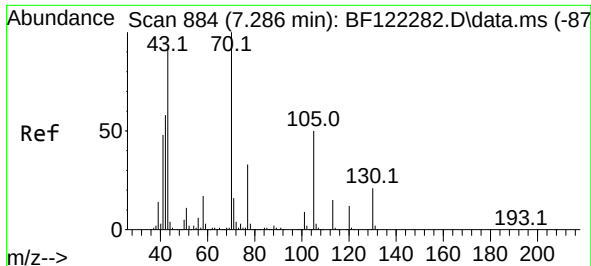
Tgt Ion: 99 Resp: 1169679
Ion Ratio Lower Upper
99 100
42 17.3 15.9 23.9
71 33.2 27.1 40.7



#10
Phenol
Concen: 3.72 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

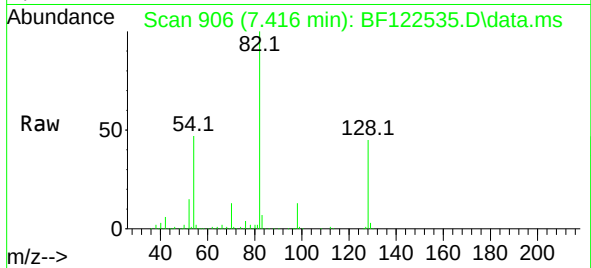
Tgt Ion: 94 Resp: 58396
Ion Ratio Lower Upper
94 100
65 24.8 17.1 57.1
66 36.7 36.0 76.0



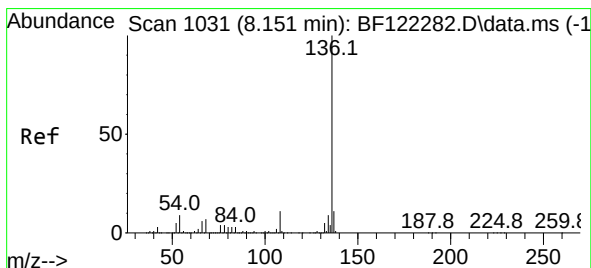
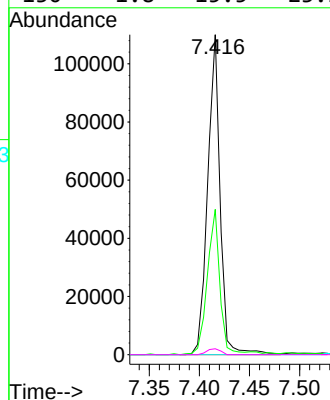
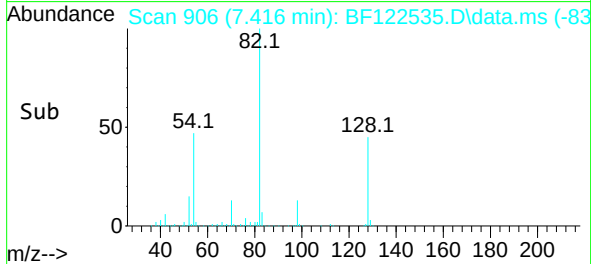


#19
n-Nitroso-di-n-propylamine
Concen: 10.05 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

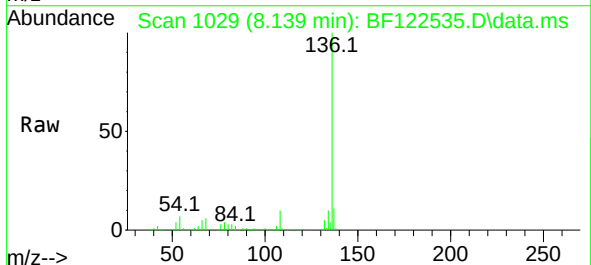
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA



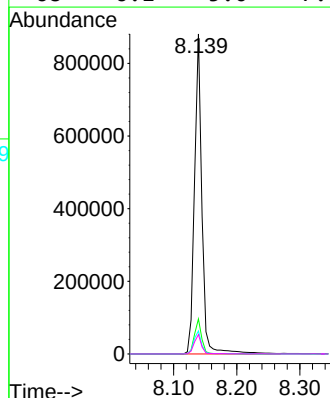
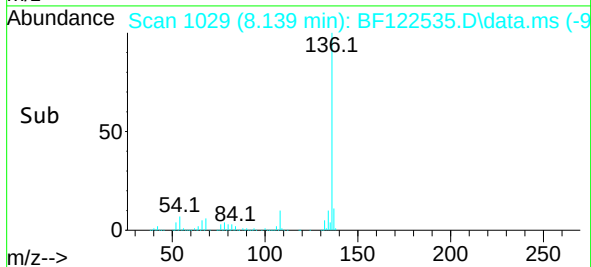
Tgt Ion: 70 Resp: 95638
Ion Ratio Lower Upper
70 100
42 45.4 50.2 75.4#
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#

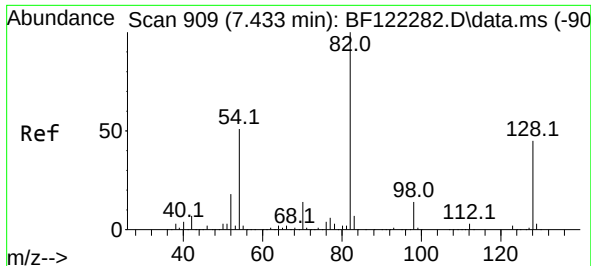


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51



Tgt Ion: 136 Resp: 722871
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.2 7.1 10.7
68 6.1 5.0 7.4

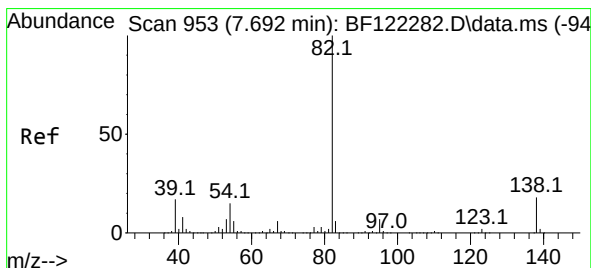
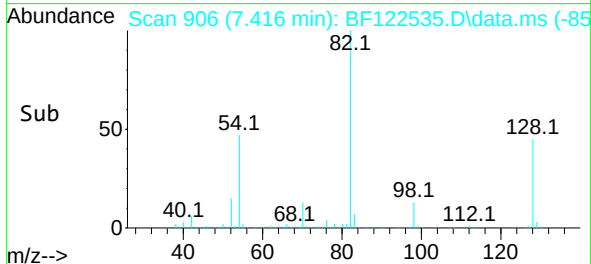
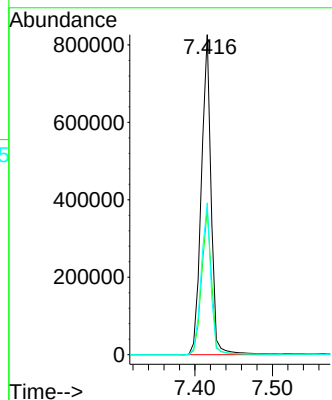
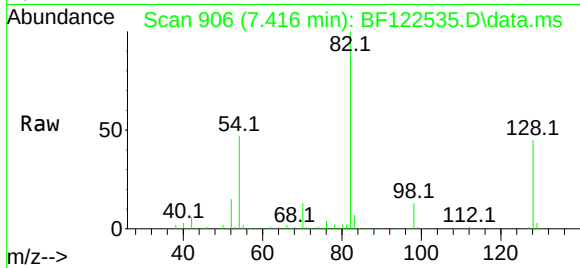




#23
Nitrobenzene-d5
Concen: 61.40 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

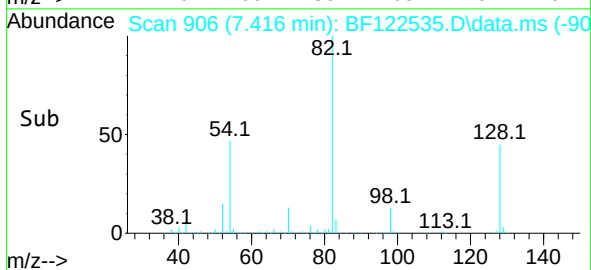
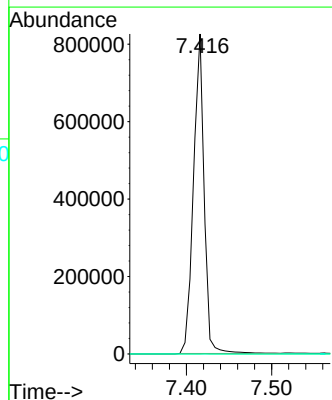
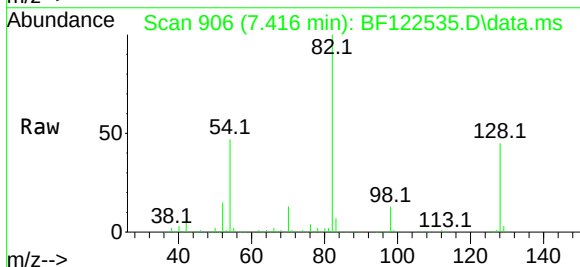
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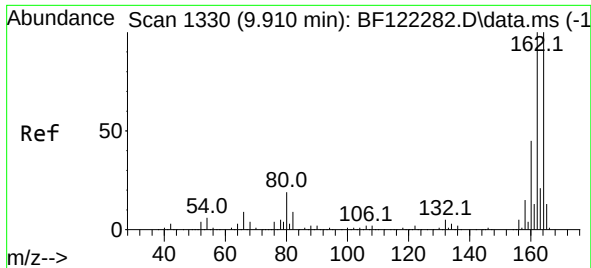
Tgt Ion: 82 Resp: 724949
Ion Ratio Lower Upper
82 100
128 45.5 35.0 52.4
54 47.5 43.9 65.9



#25
Isophorone
Concen: 27.22 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion: 82 Resp: 716467
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

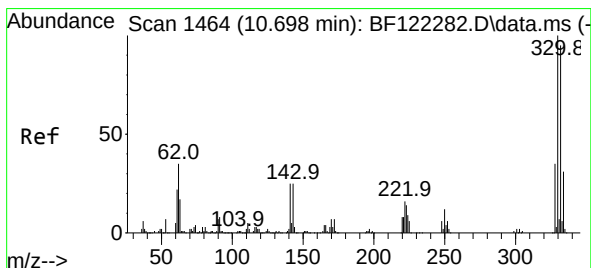
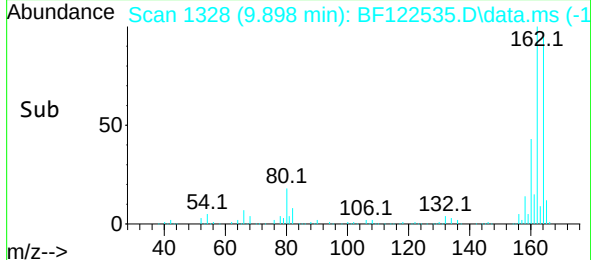
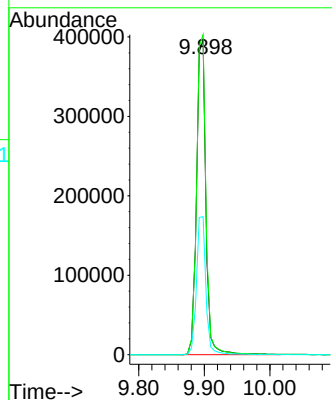
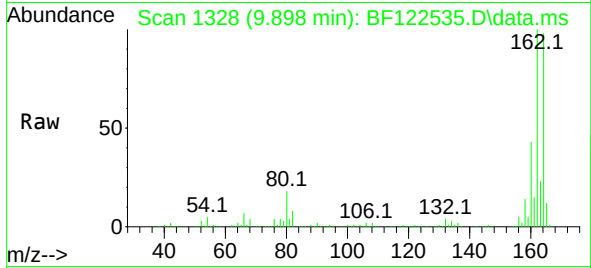




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

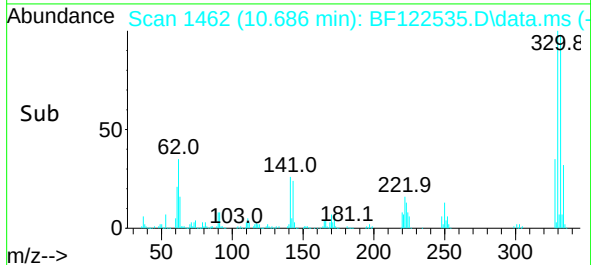
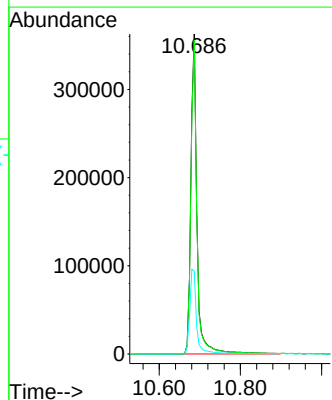
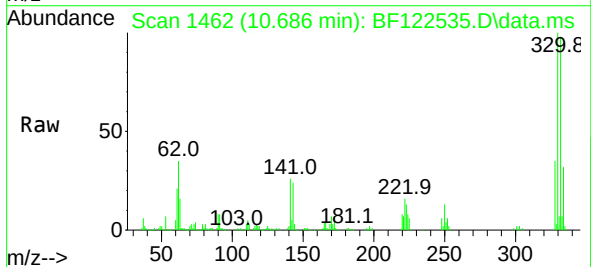
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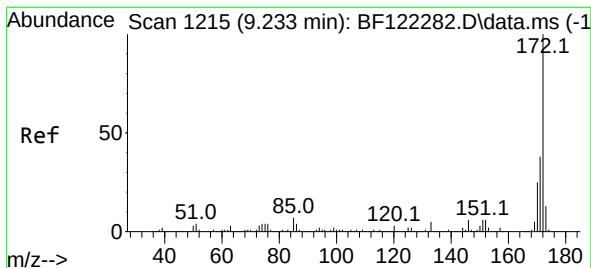
Tgt Ion:164 Resp: 392647
Ion Ratio Lower Upper
164 100
162 101.7 83.2 124.8
160 43.9 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 89.61 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:330 Resp: 377635
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 29.4 22.3 33.5

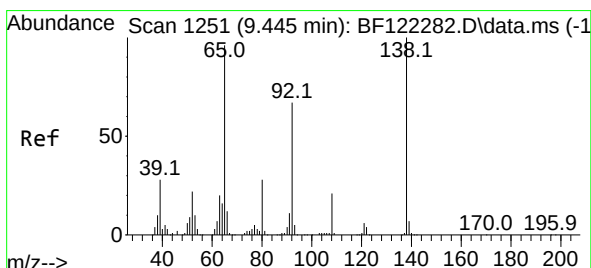
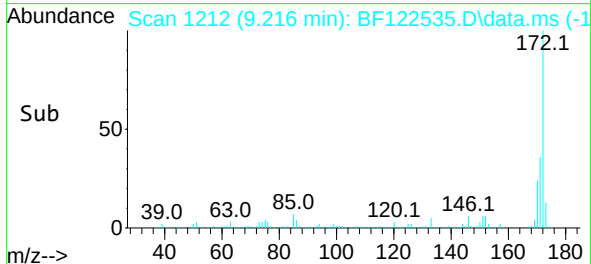
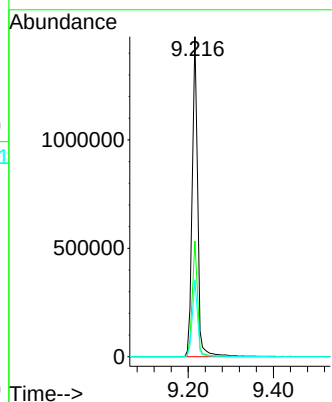
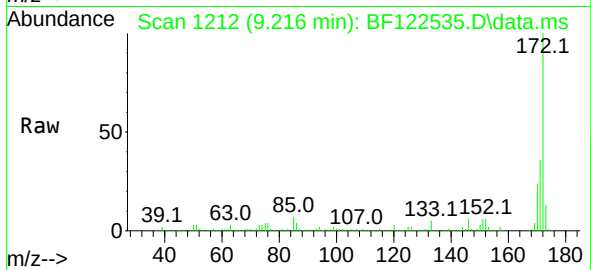




#45
2-Fluorobiphenyl
Concen: 52.94 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

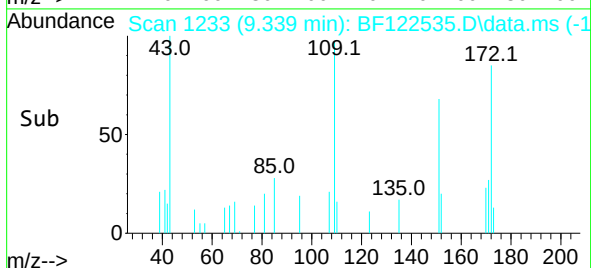
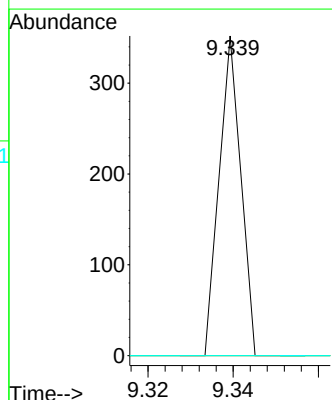
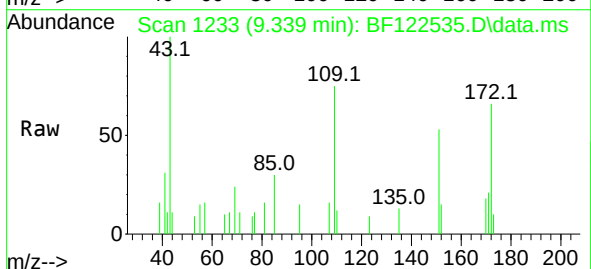
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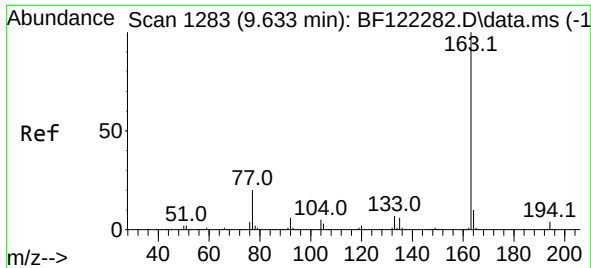
Tgt Ion:172 Resp: 1330490
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 23.9 19.8 29.6



#48
2-Nitroaniline
Concen: 5.18 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.106 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion: 65 Resp: 124
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#

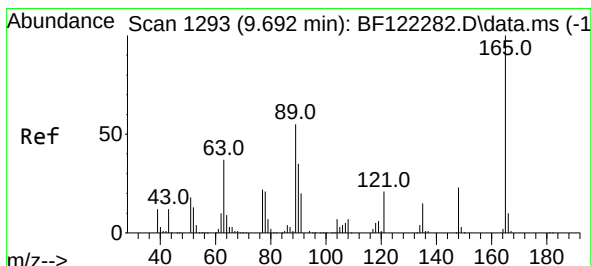
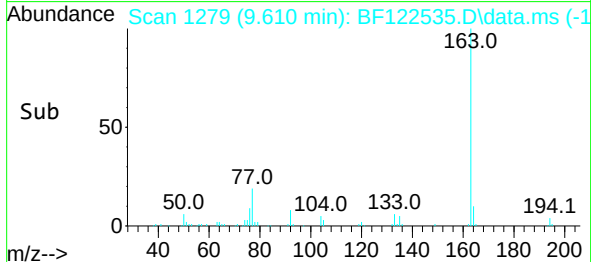
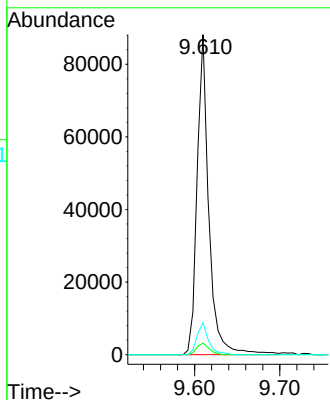
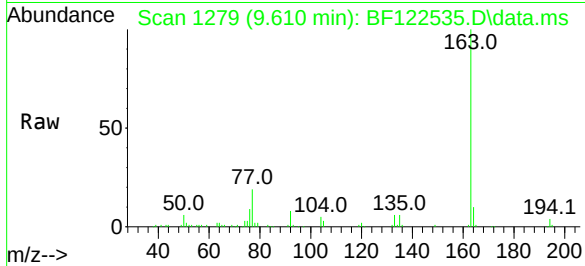




#50
Dimethylphthalate
Concen: 3.02 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

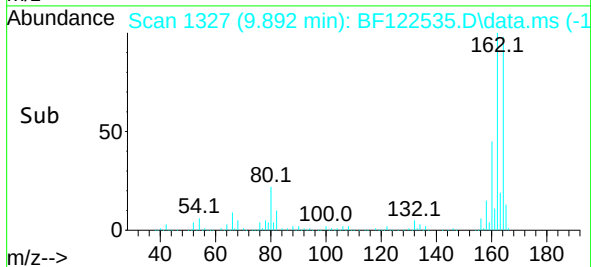
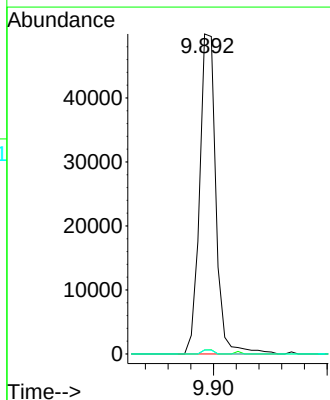
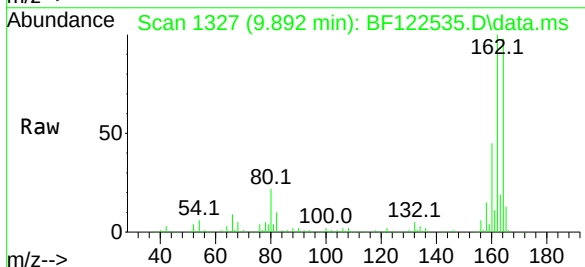
Instrument :
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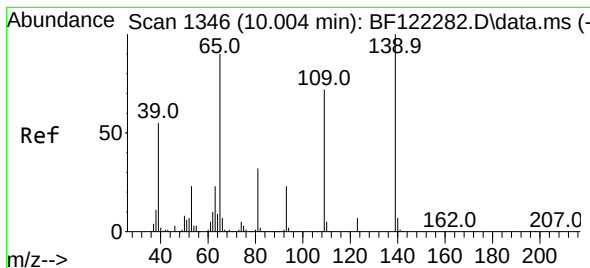
Tgt Ion:163 Resp: 84309
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 9.9 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 11.19 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:165 Resp: 49750
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.6#
89 1.3 49.0 73.6#

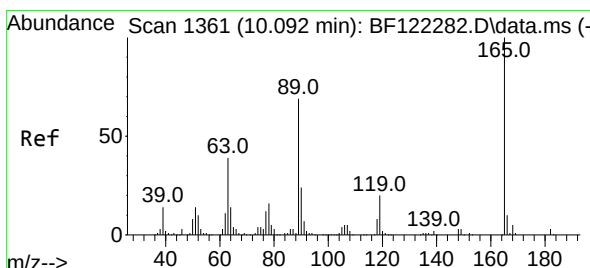
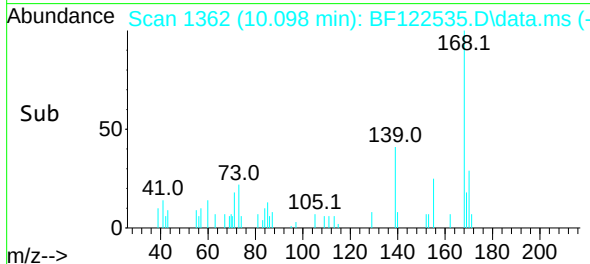
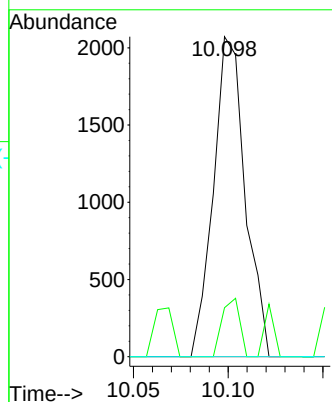
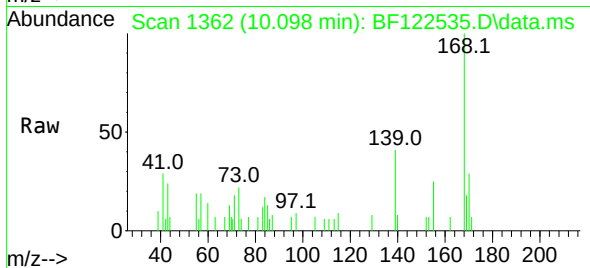




#56
4-Nitrophenol
Concen: 5.78 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.082 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

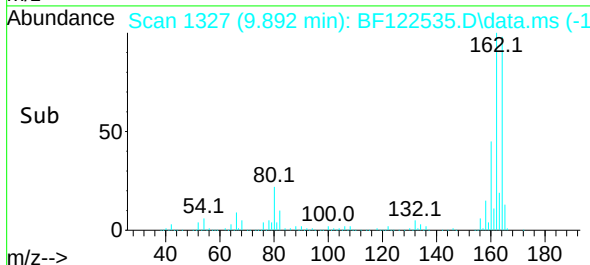
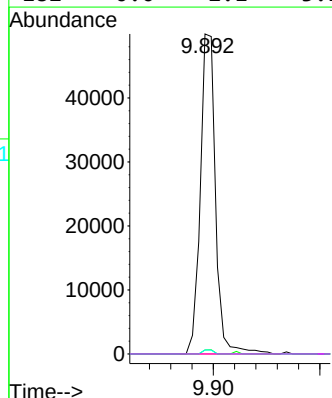
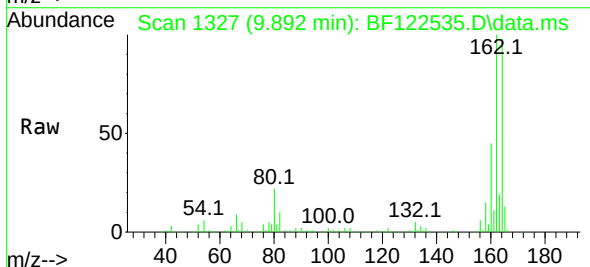
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

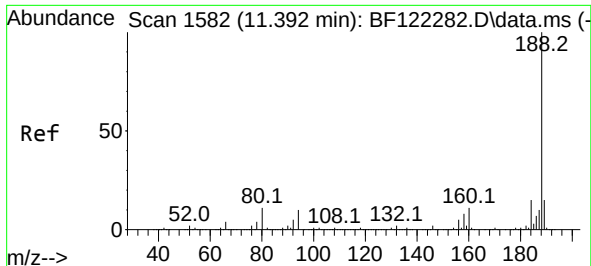
Tgt Ion:139 Resp: 2418
Ion Ratio Lower Upper
139 100
109 15.3 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.45 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:165 Resp: 49751
Ion Ratio Lower Upper
165 100
63 1.3 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#

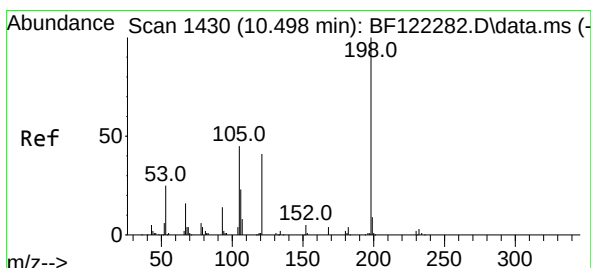
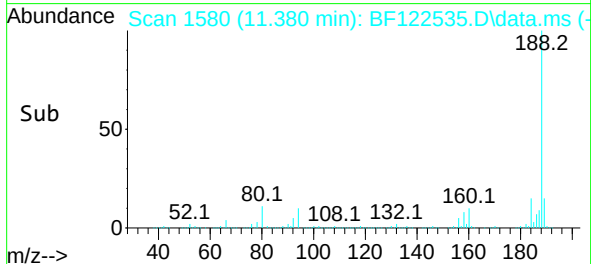
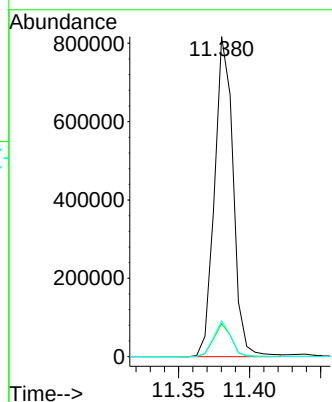
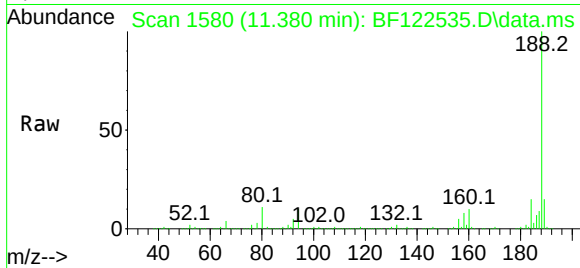




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

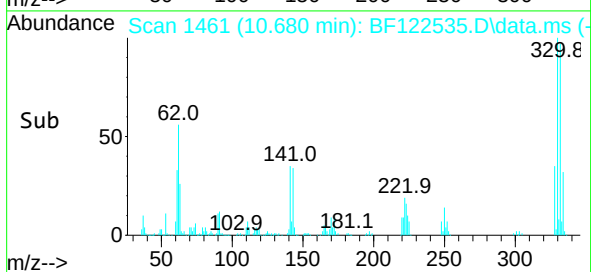
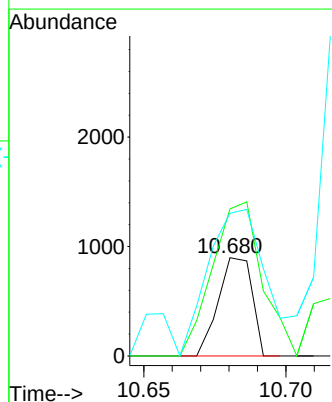
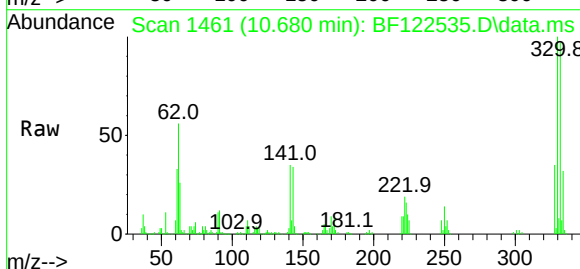
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

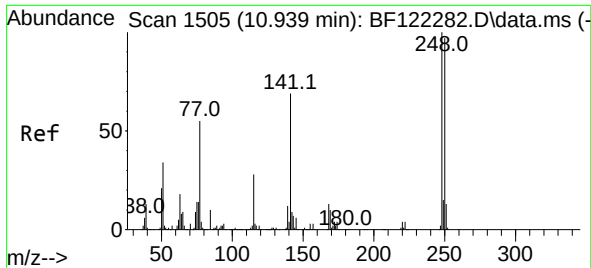
Tgt Ion:188 Resp: 741509
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.2 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.44 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.182 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:198 Resp: 741
Ion Ratio Lower Upper
198 100
51 149.7 29.6 69.6#
105 145.2 24.4 64.4#

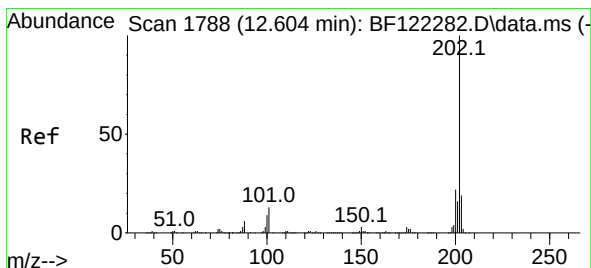
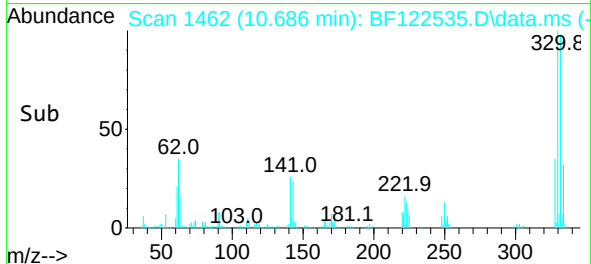
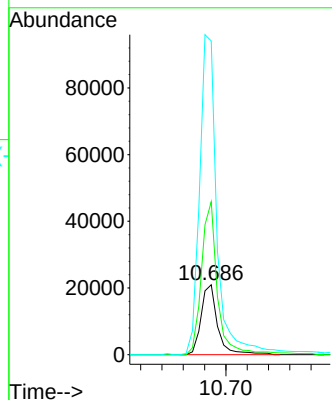
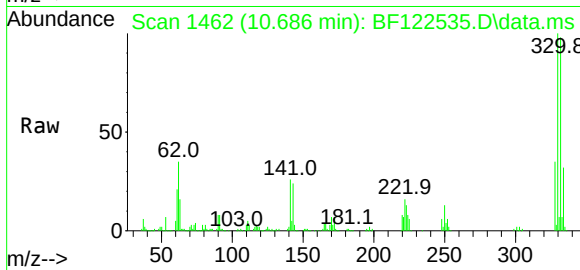




#67
4-Bromophenyl-phenylether
Concen: 2.61 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

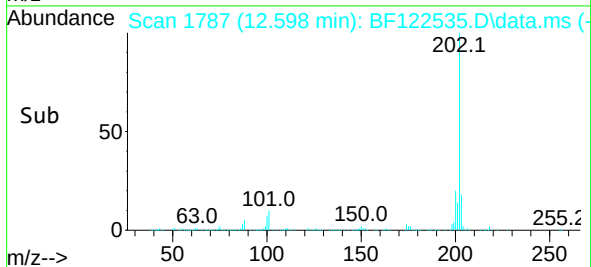
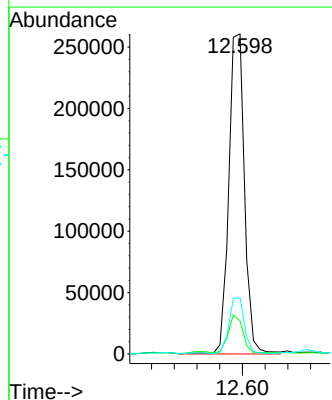
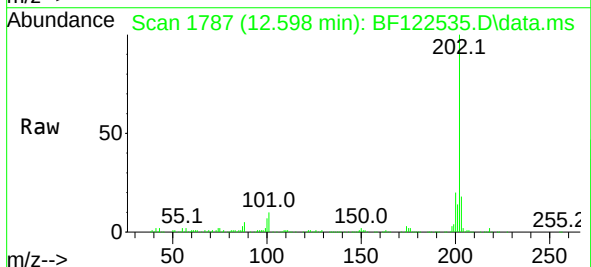
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

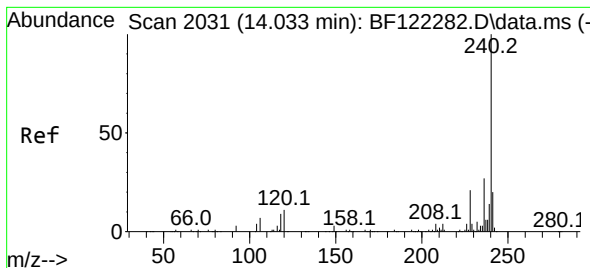
Tgt Ion:248 Resp: 22754
Ion Ratio Lower Upper
248 100
250 218.5 77.0 115.6#
141 448.5 53.7 80.5#



#75
Fluoranthene
Concen: 5.71 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:202 Resp: 250746
Ion Ratio Lower Upper
202 100
101 10.4 0.0 33.4
203 17.5 0.0 37.9

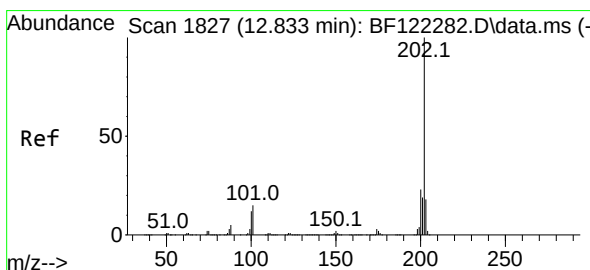
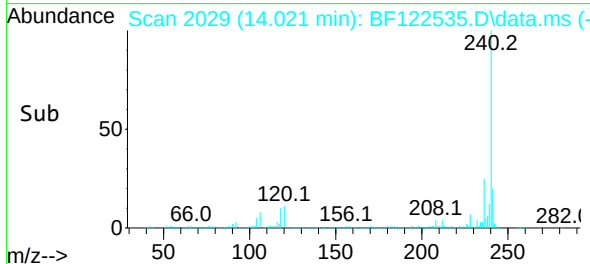
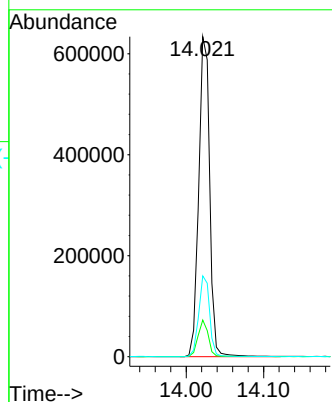
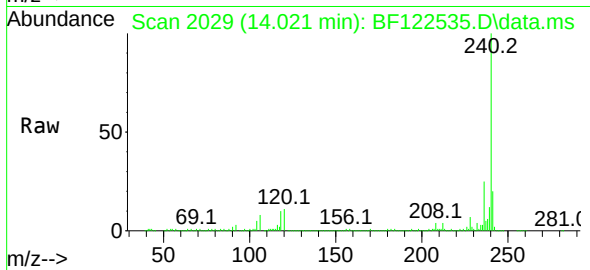




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

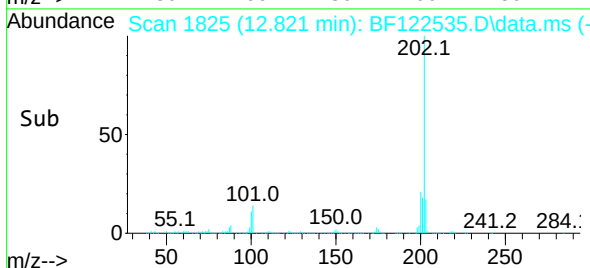
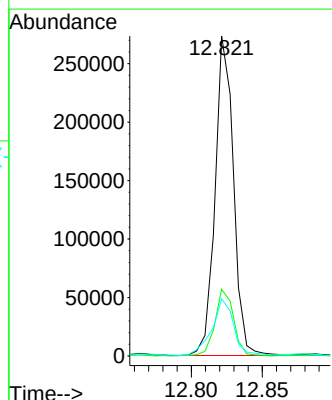
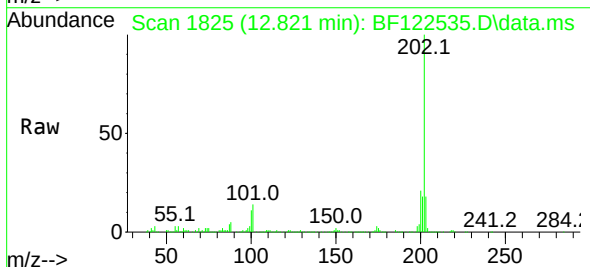
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

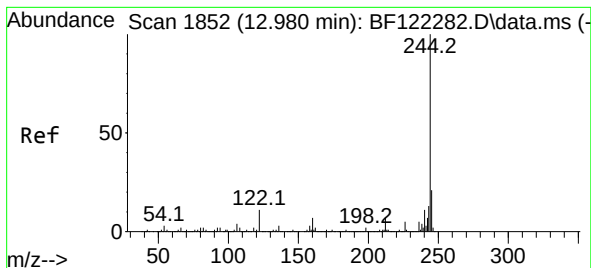
Tgt Ion:240 Resp: 621408
Ion Ratio Lower Upper
240 100
120 11.4 9.2 13.8
236 25.3 20.9 31.3



#78
Pyrene
Concen: 5.61 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:202 Resp: 245006
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 48.49 ng

RT: 12.968 min Scan# 1850

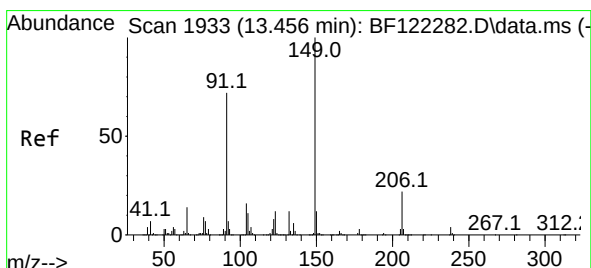
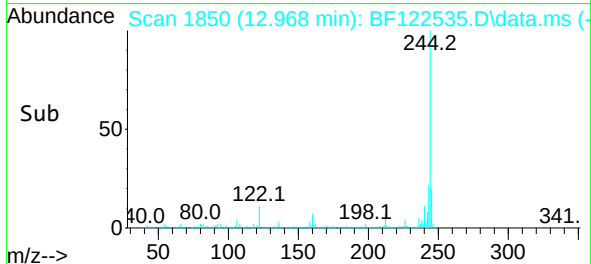
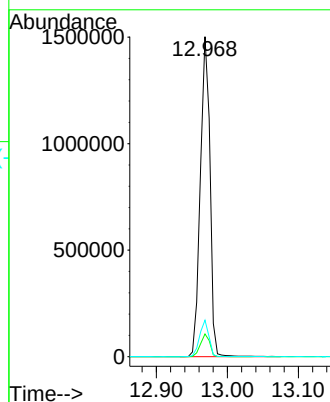
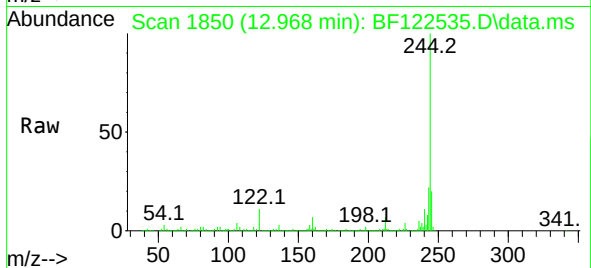
Delta R.T. -0.006 min

Lab File: BF122535.D

Acq: 3 Dec 2020 13:51

Tgt Ion:244 Resp: 1422369

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.4	8.1	12.1



#80

Butylbenzylphthalate

Concen: 3.36 ng

RT: 13.439 min Scan# 1930

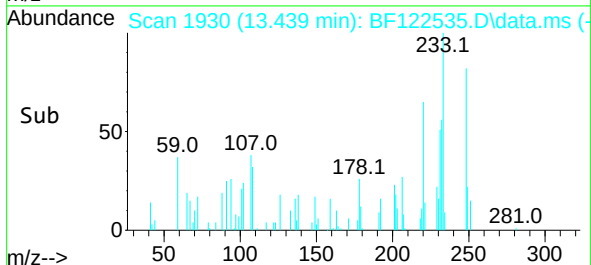
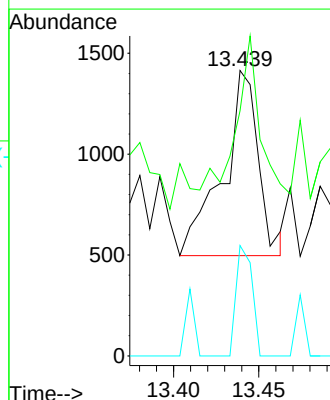
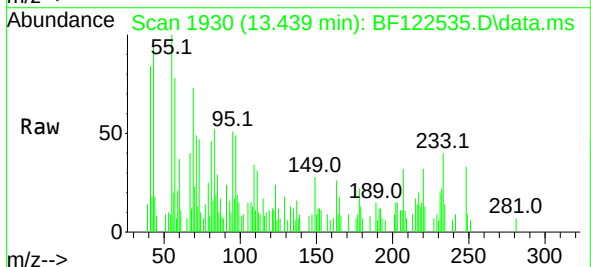
Delta R.T. -0.012 min

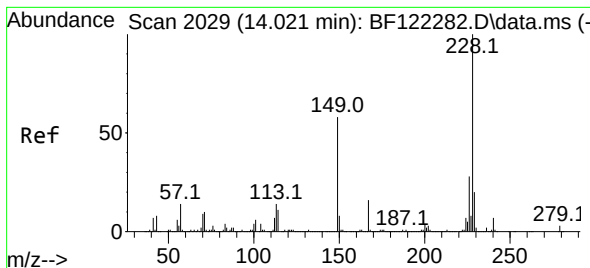
Lab File: BF122535.D

Acq: 3 Dec 2020 13:51

Tgt Ion:149 Resp: 1323

Ion	Ratio	Lower	Upper
149	100		
91	85.9	61.0	91.4
206	38.7	16.7	25.1#

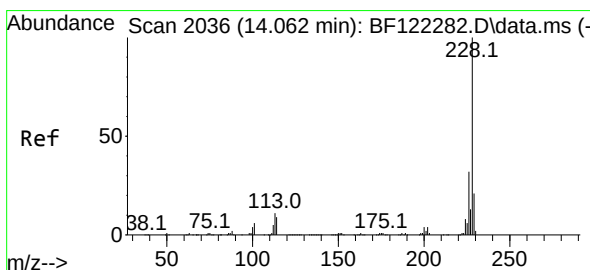
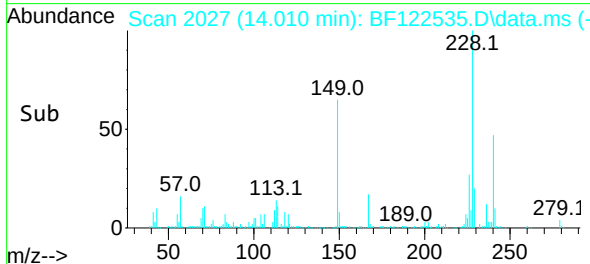
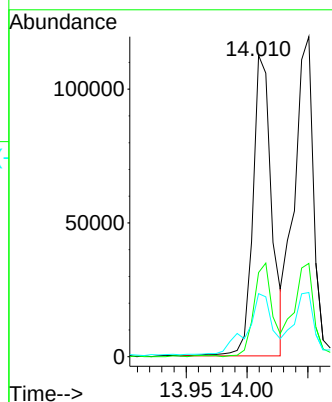
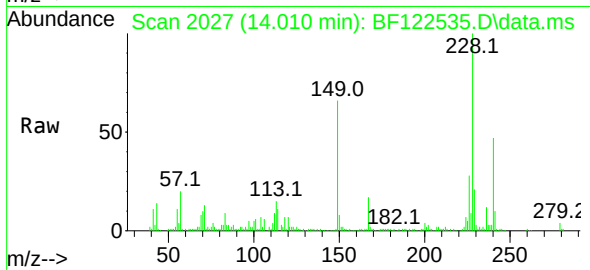




#81
Benzo(a)anthracene
Concen: 3.11 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

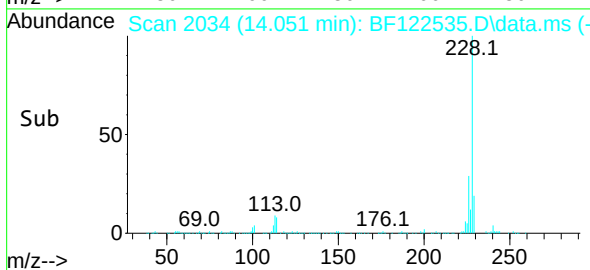
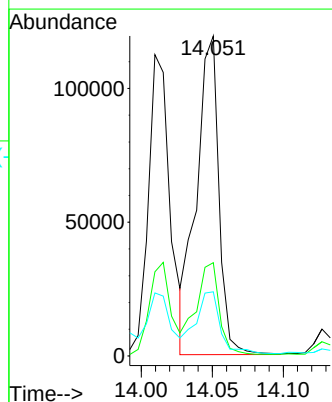
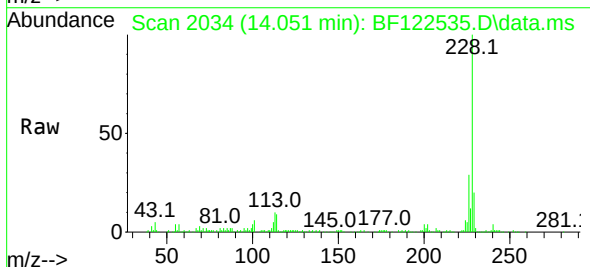
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

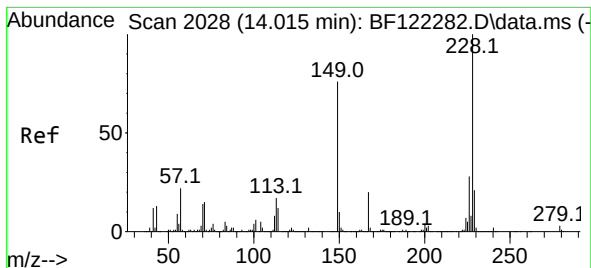
Tgt Ion:228 Resp: 120279
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 20.9 16.2 24.4



#83
Chrysene
Concen: 3.38 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:228 Resp: 131644
Ion Ratio Lower Upper
228 100
226 29.2 24.6 37.0
229 20.1 15.9 23.9

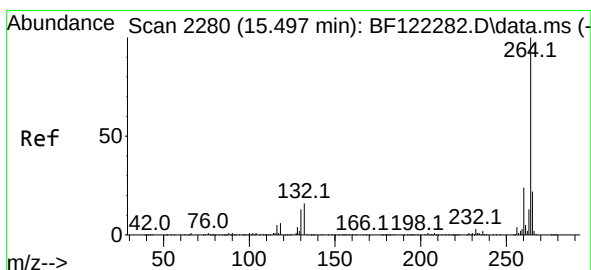
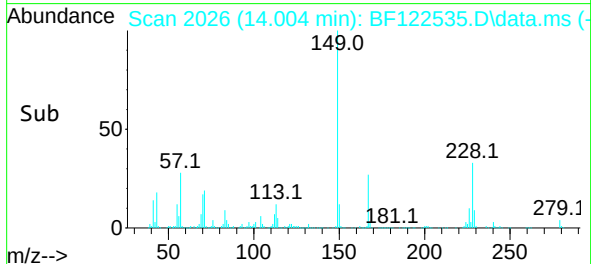
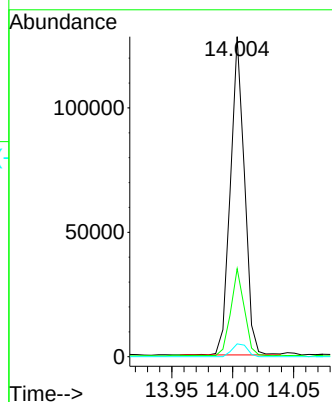
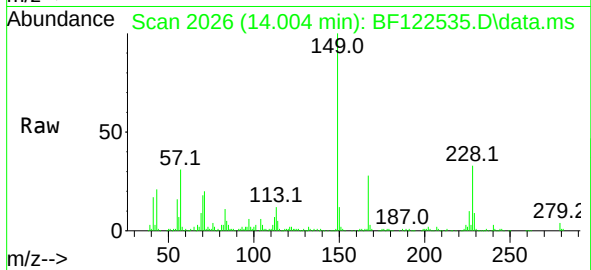




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.89 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

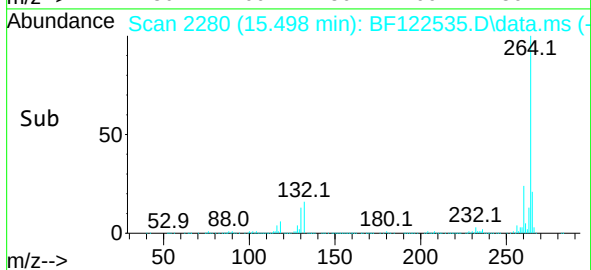
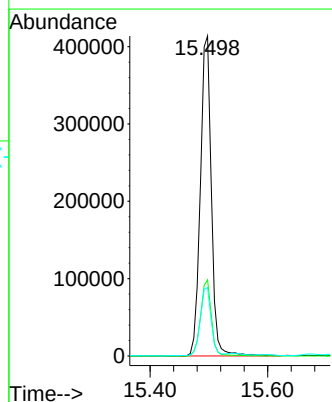
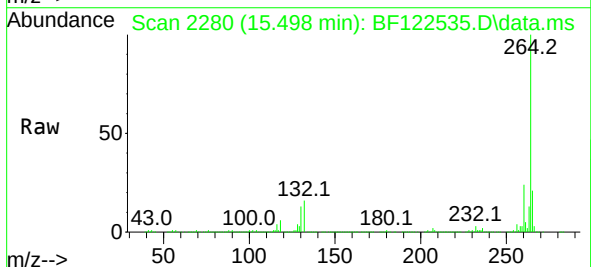
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

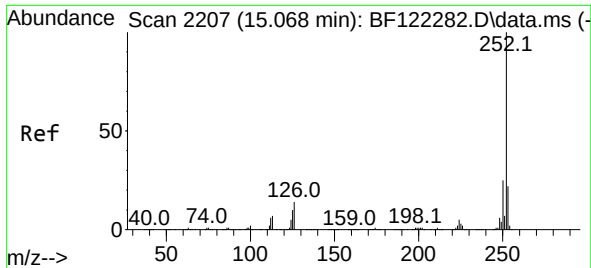
Tgt Ion:149 Resp: 102834
Ion Ratio Lower Upper
149 100
167 27.5 20.9 31.3
279 4.0 3.2 4.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:264 Resp: 539023
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.3 17.3 25.9

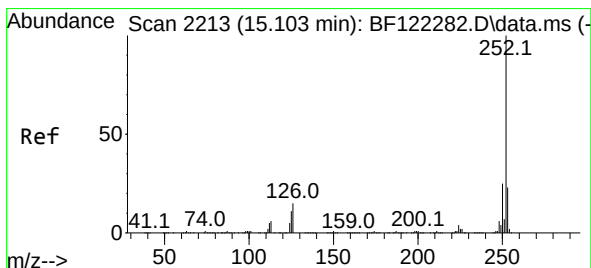
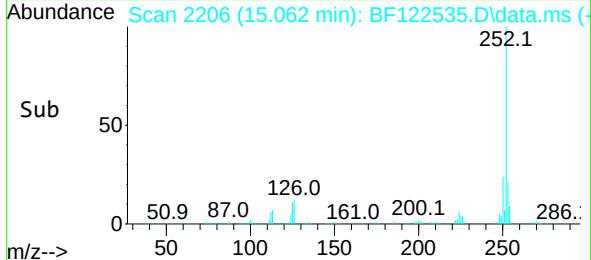
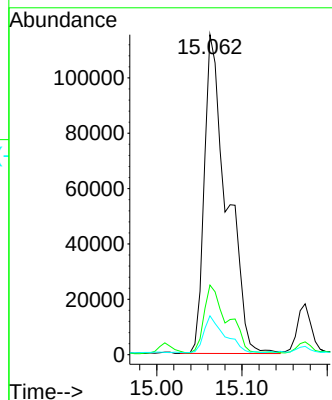
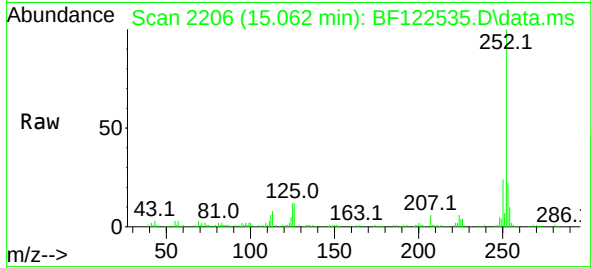




#88
Benzo(b)fluoranthene
Concen: 6.09 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

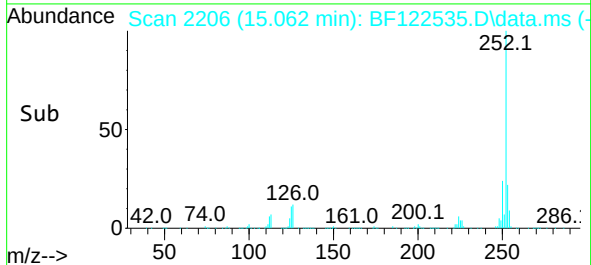
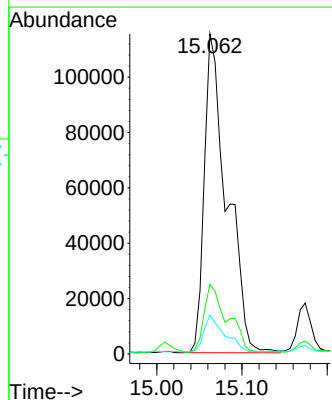
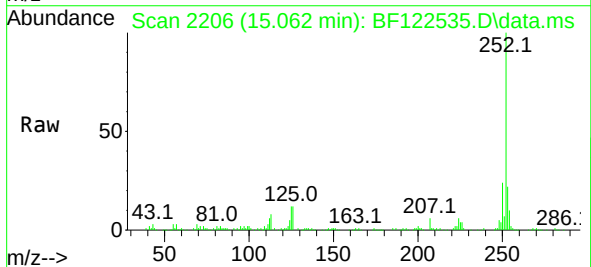
Instrument :
BNA_F
ClientSampleId :
SK-12-1-SPA

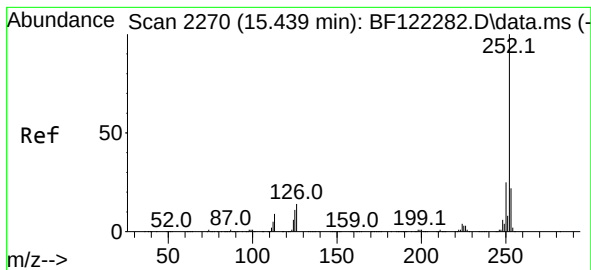
Tgt Ion:252 Resp: 212513
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 12.2 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 6.24 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.047 min
Lab File: BF122535.D
Acq: 3 Dec 2020 13:51

Tgt Ion:252 Resp: 212516
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.2 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 2.52 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.018 min

Lab File: BF122535.D

Acq: 3 Dec 2020 13:51

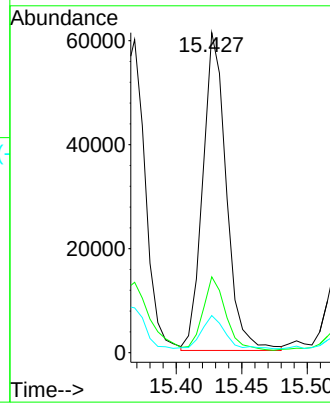
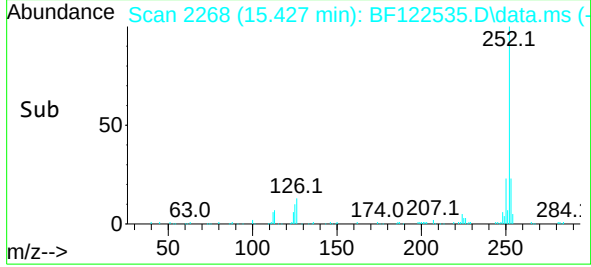
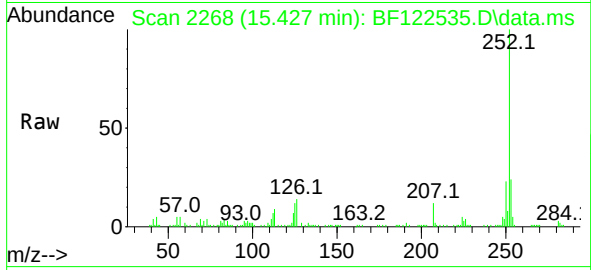
Tgt Ion:252 Resp: 76549

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 11.6 8.6 13.0



Instrument :

BNA_F

ClientSampleId :

SK-12-1-SPA