

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
 Data File : BM033529.D
 Acq On : 18 Dec 2021 21:15
 Operator : CG/JU
 Sample : M5039-02DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 07:09:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 17:10:15 2021
 Response via : Initial Calibration

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

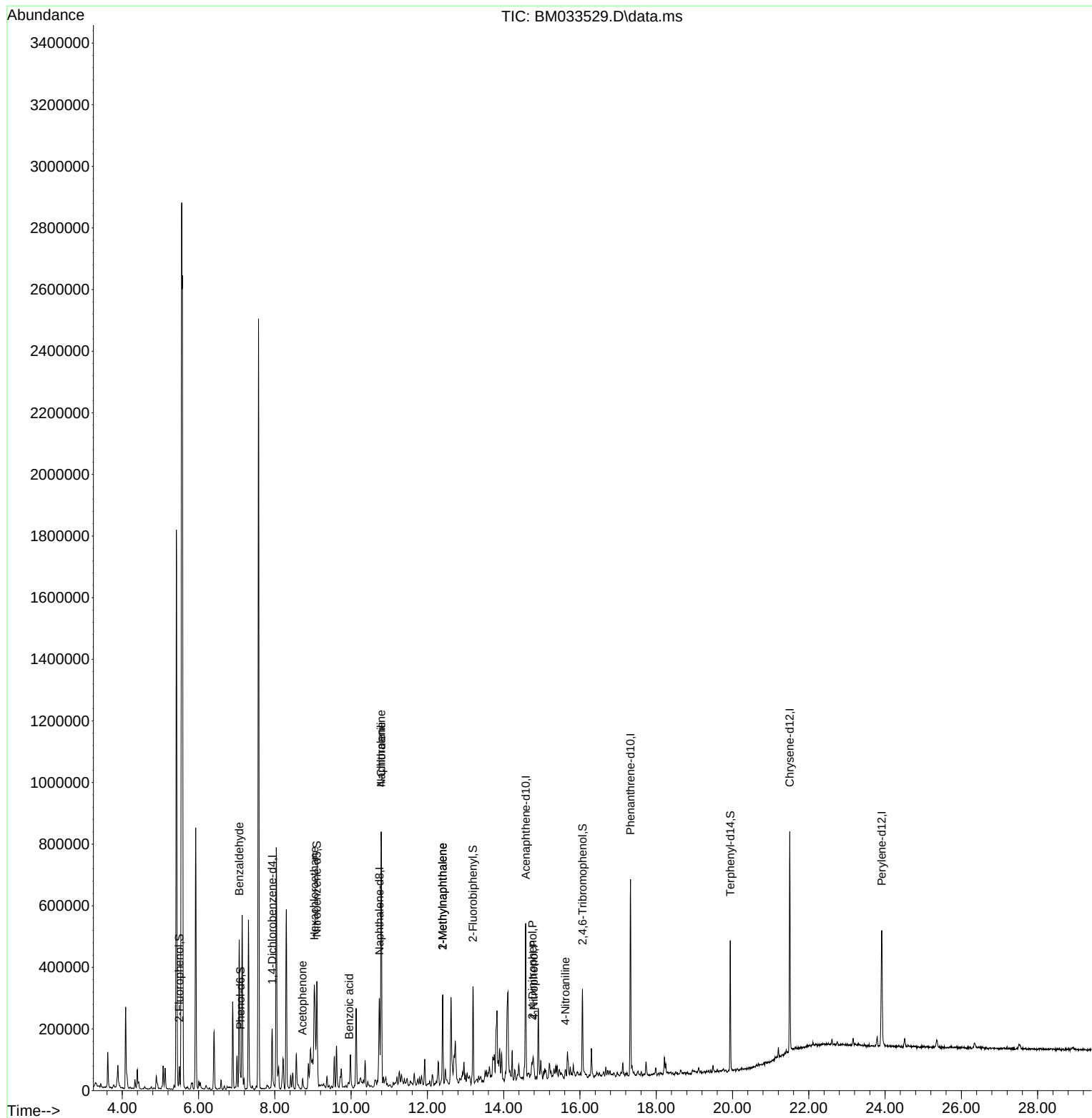
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	43509	20.000	ng	-0.01
21) Naphthalene-d8	10.742	136	203967	20.000	ng	-0.01
39) Acenaphthene-d10	14.577	164	159552	20.000	ng	-0.01
64) Phenanthrene-d10	17.324	188	351756	20.000	ng	-0.01
76) Chrysene-d12	21.500	240	329413	20.000	ng	-0.01
86) Perylene-d12	23.912	264	284226	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	24334	9.651	ng	0.00
7) Phenol-d6	7.101	99	21508	6.356	ng	-0.01
23) Nitrobenzene-d5	9.101	82	58804	12.379	ng	-0.01
42) 2,4,6-Tribromophenol	16.066	330	36817	20.513	ng	-0.01
45) 2-Fluorobiphenyl	13.195	172	143898	12.476	ng	-0.02
79) Terphenyl-d14	19.942	244	171683	8.205	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.366	88	217	Below Cal	#	1
9) Benzaldehyde	7.066	77	40052	16.984	ng	# 1
18) Hexachloroethane	9.037	117	22661	15.959	ng	# 1
22) Acetophenone	8.725	105	20323	3.680	ng	# 55
31) Naphthalene	10.789	128	574813	52.023	ng	# 99
32) Benzoic acid	9.948	122	2704	4.321	ng	# 31
33) 4-Chloroaniline	10.789	127	77339	21.636	ng	# 34
37) 2-Methylnaphthalene	12.401	142	117872	15.422	ng	# 94
38) 1-Methylnaphthalene	12.401	142	117872	15.461	ng	# 99
54) 2,4-Dinitrophenol	14.754	184	402	7.350	ng	# 1
56) 4-Nitrophenol	14.789	139	1058	4.588	ng	# 59
62) 4-Nitroaniline	15.618	138	202	2.654	ng	# 82

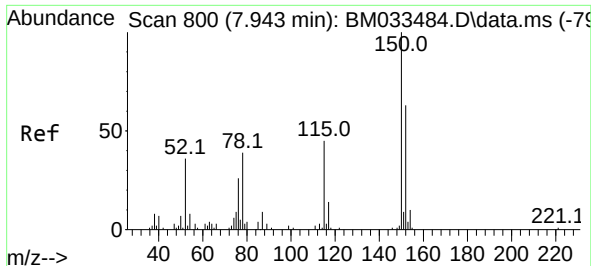
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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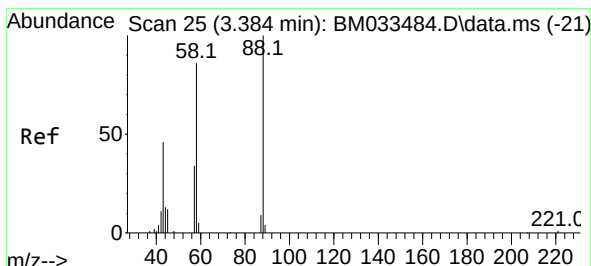
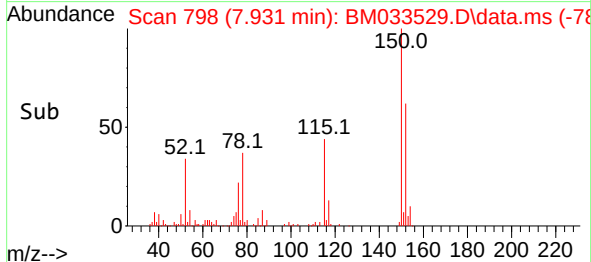
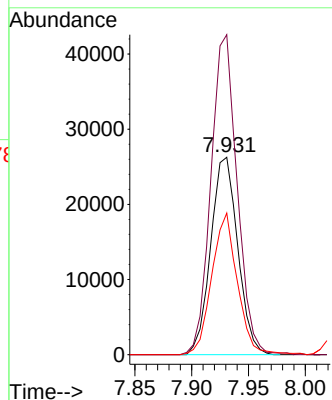
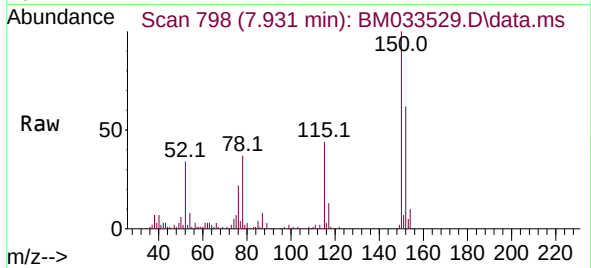




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.931 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BM033529.D
 Acq: 18 Dec 2021 21:15

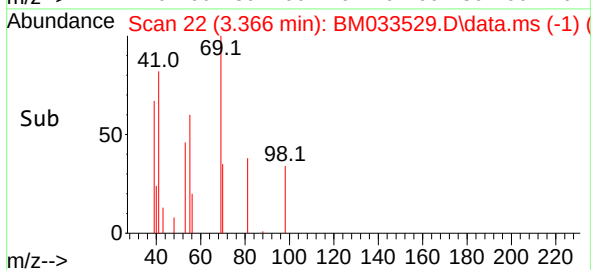
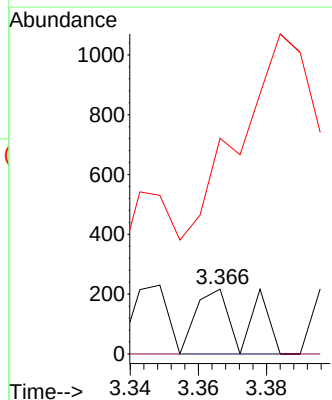
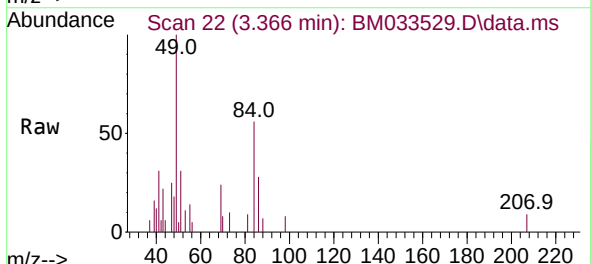
Instrument :
 BNA_M
 ClientSampleId :

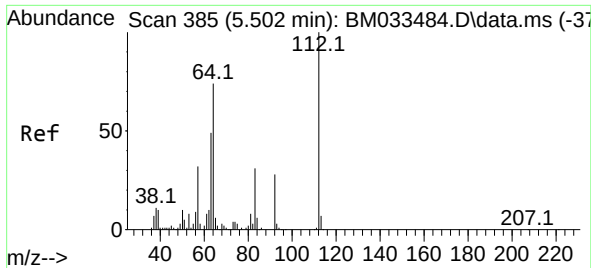
Tgt Ion:152 Resp: 43509
 Ion Ratio Lower Upper
 152 100
 150 162.1 128.9 193.3
 115 71.7 53.0 79.6



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.366 min Scan# 22
 Delta R.T. -0.018 min
 Lab File: BM033529.D
 Acq: 18 Dec 2021 21:15

Tgt Ion: 88 Resp: 217
 Ion Ratio Lower Upper
 88 100
 58 0.0 67.0 100.4#
 43 596.3 31.6 47.4#

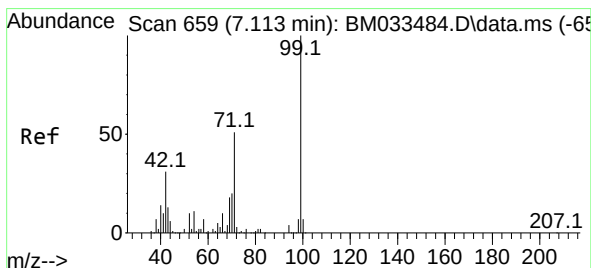
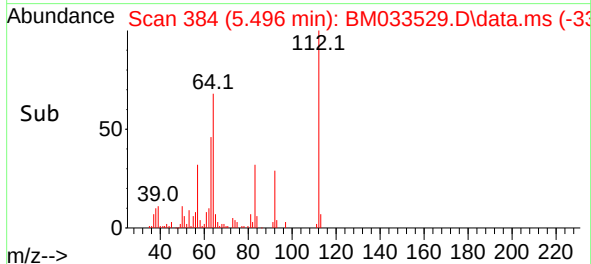
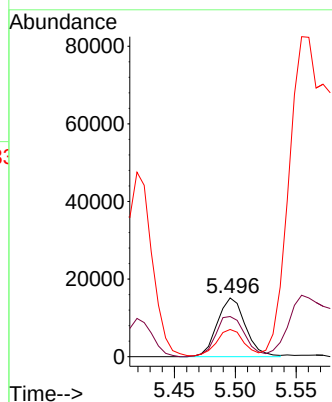
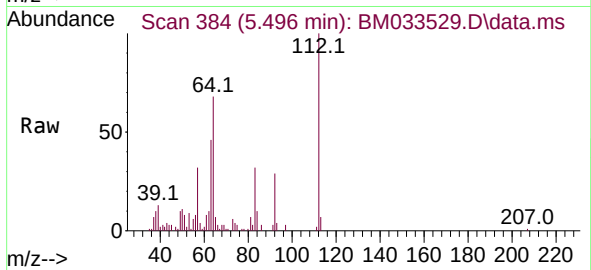




#5
2-Fluorophenol
Concen: 9.651 ng
RT: 5.496 min Scan# 385
Delta R.T. -0.006 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

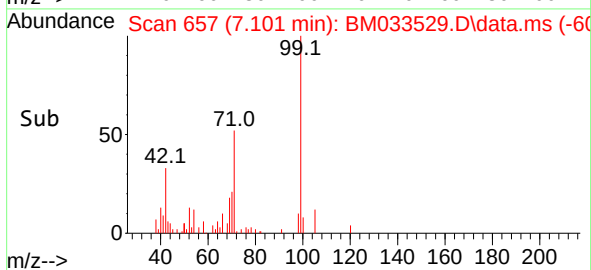
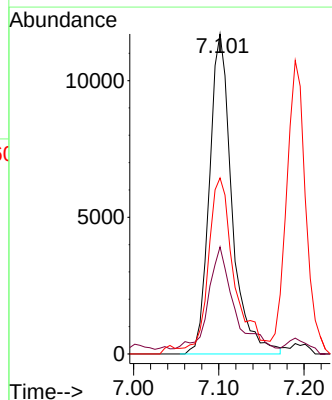
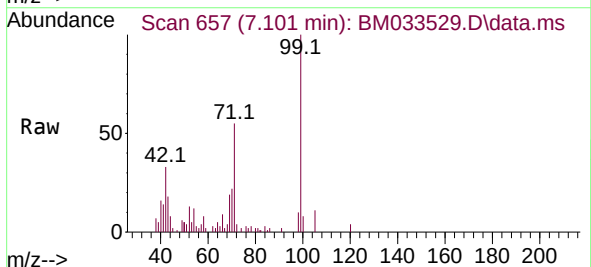
Instrument :
BNA_M
ClientSampleId :

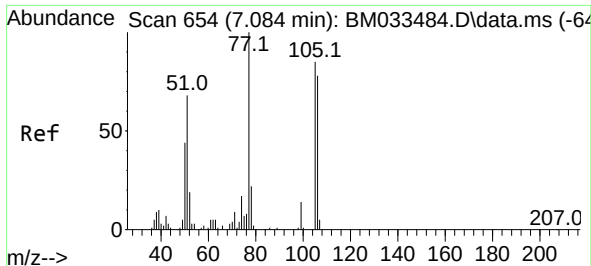
Tgt Ion:	112	Resp:	24334
Ion Ratio	Lower	Upper	
112	100		
64	68.5	55.5	83.3
63	46.5	31.3	46.9



#7
Phenol-d6
Concen: 6.356 ng
RT: 7.101 min Scan# 657
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Tgt Ion:	99	Resp:	21508
Ion Ratio	Lower	Upper	
99	100		
42	33.5	20.3	30.5#
71	55.0	34.5	51.7#

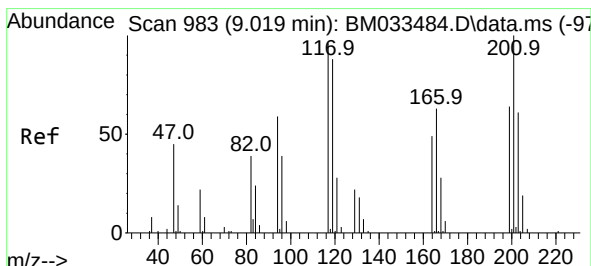
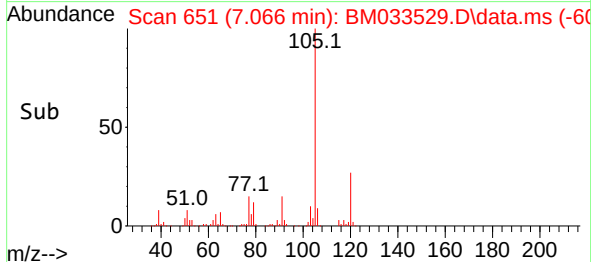
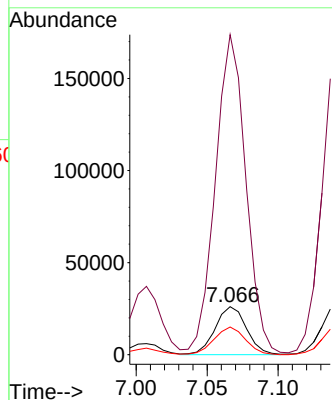
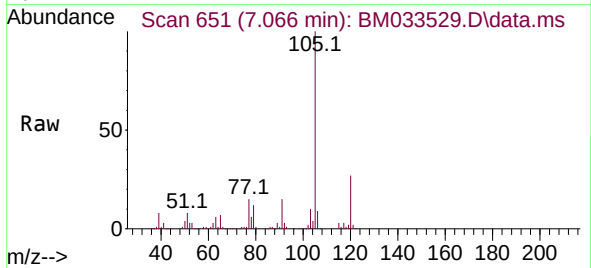




#9
Benzaldehyde
Concen: 16.984 ng
RT: 7.066 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

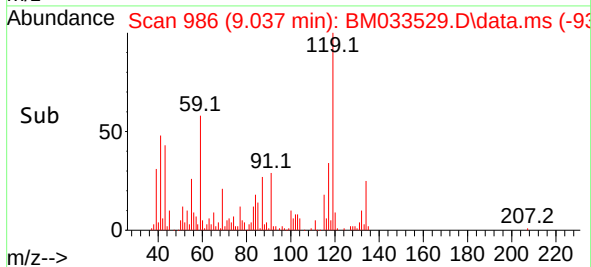
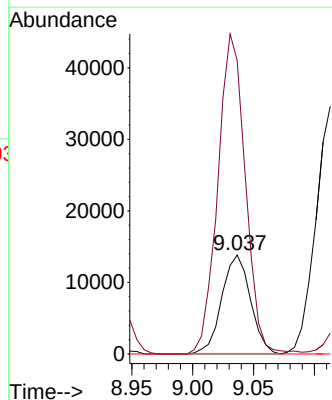
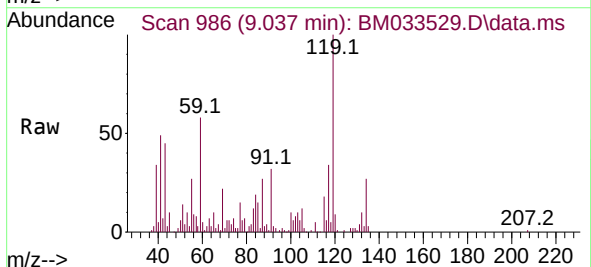
Instrument :
BNA_M
ClientSampleId :

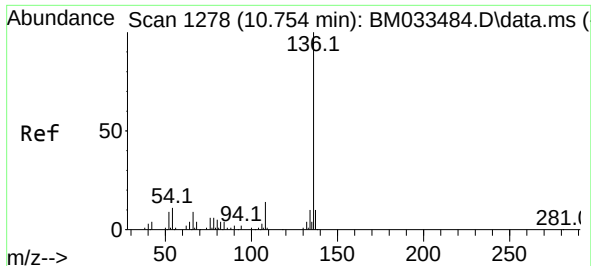
Tgt Ion: 77 Resp: 40052
Ion Ratio Lower Upper
77 100
105 665.8 67.1 107.1#
106 57.7 64.3 104.3#



#18
Hexachloroethane
Concen: 15.959 ng
RT: 9.037 min Scan# 986
Delta R.T. 0.018 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

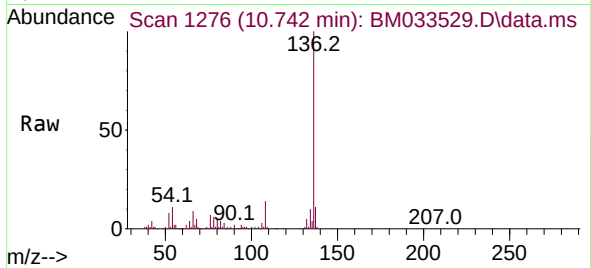
Tgt Ion: 117 Resp: 22661
Ion Ratio Lower Upper
117 100
119 297.1 75.0 112.6#
201 0.0 75.2 112.8#



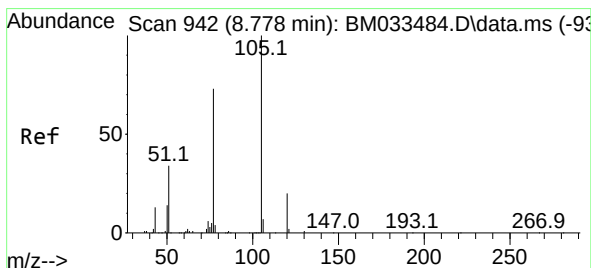
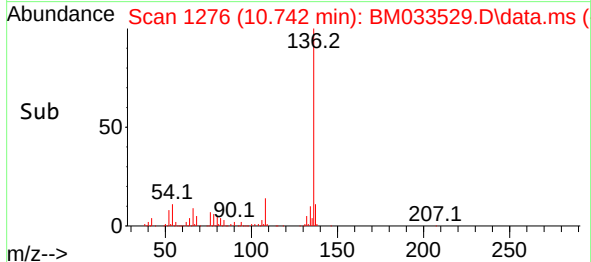
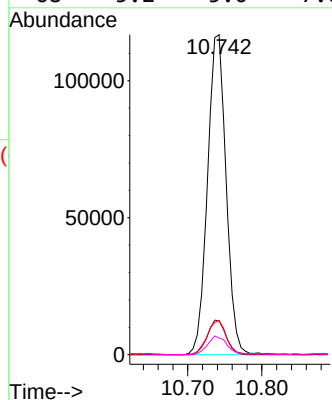


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.742 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Instrument :
BNA_M
ClientSampleId :

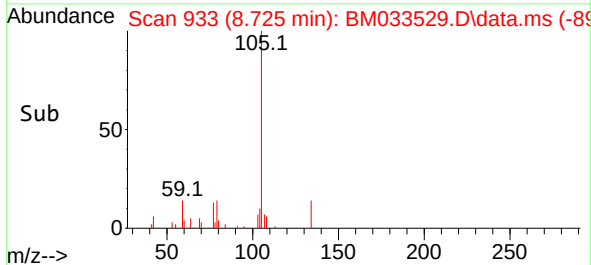
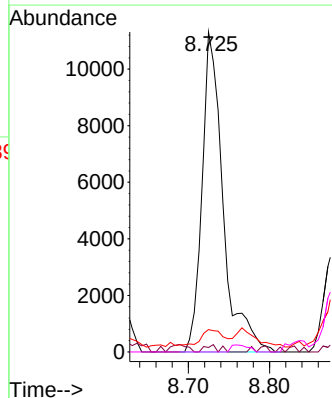
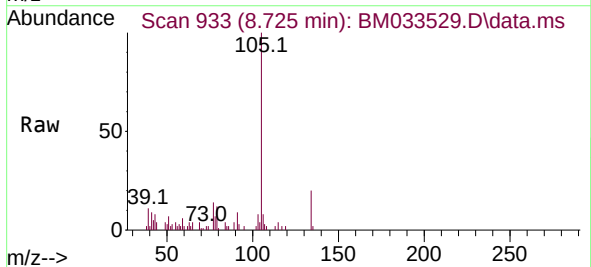


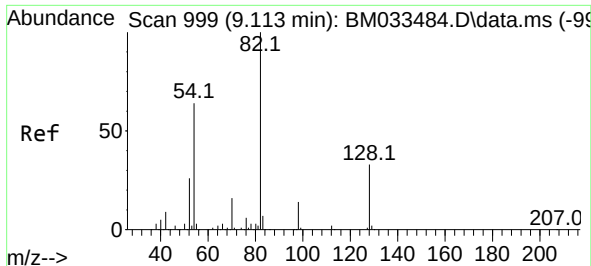
Tgt Ion:136 Resp: 203967
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 10.7 8.3 12.5
68 5.2 5.0 7.6



#22
Acetophenone
Concen: 3.680 ng
RT: 8.725 min Scan# 933
Delta R.T. -0.053 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Tgt Ion:105 Resp: 20323
Ion Ratio Lower Upper
105 100
71 1.4 1.6 2.4#
51 7.0 27.7 41.5#
120 0.0 16.2 24.2#

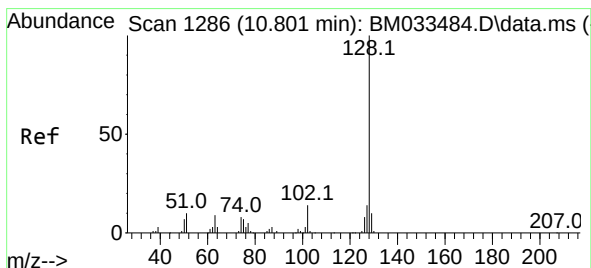
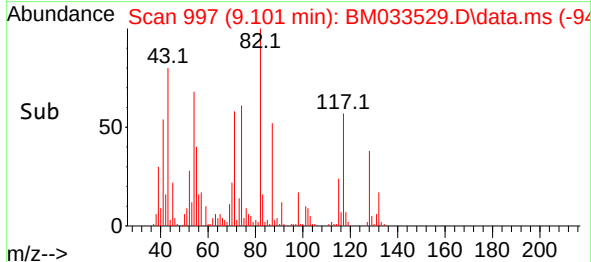
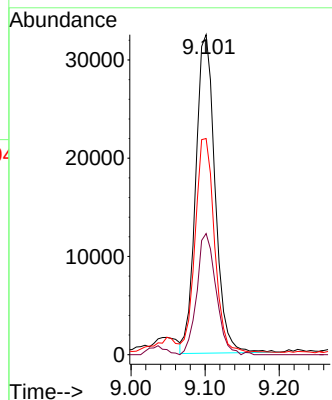
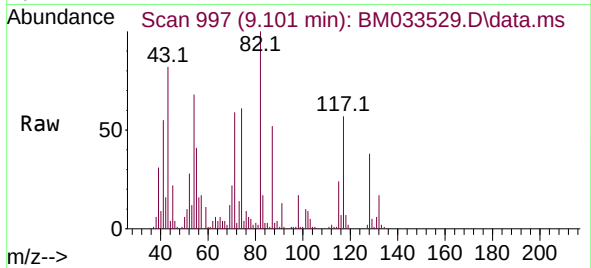




#23
Nitrobenzene-d5
Concen: 12.379 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

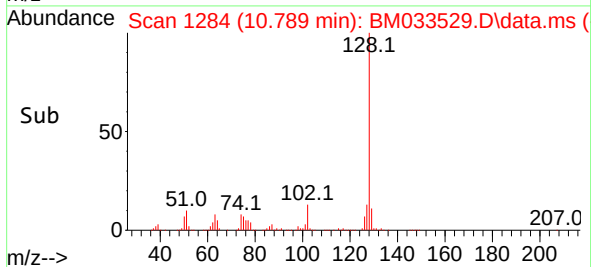
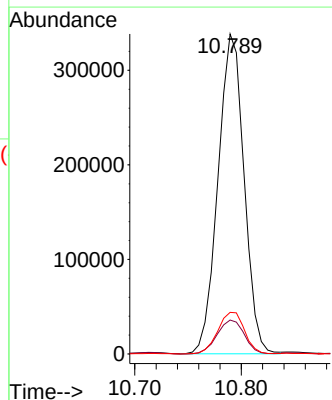
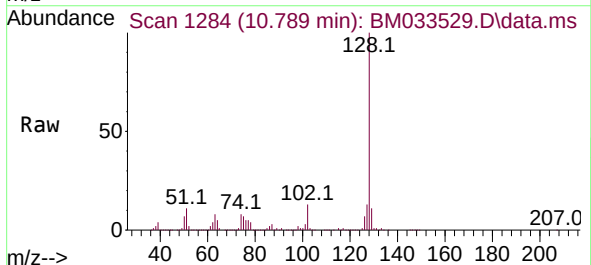
Instrument :
BNA_M
ClientSampleId :

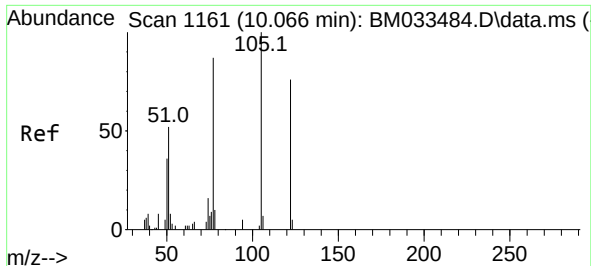
Tgt Ion: 82 Resp: 58804
Ion Ratio Lower Upper
82 100
128 37.9 28.1 42.1
54 67.6 46.1 69.1



#31
Naphthalene
Concen: 52.023 ng
RT: 10.789 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

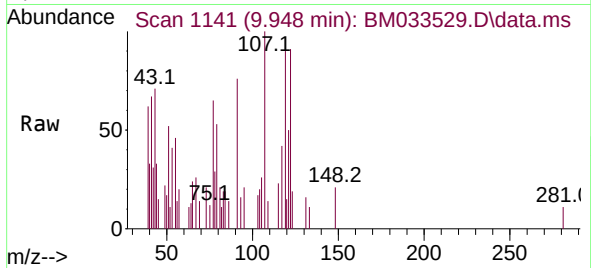
Tgt Ion: 128 Resp: 574813
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 13.0 10.8 16.2



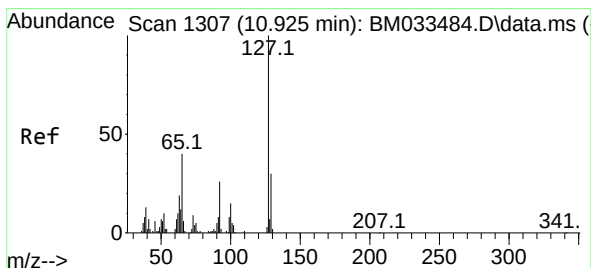
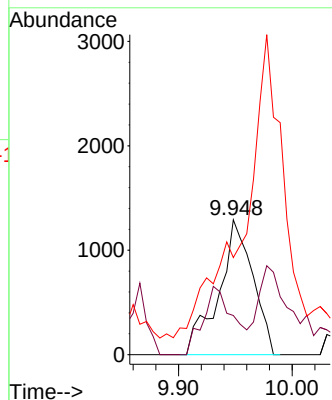
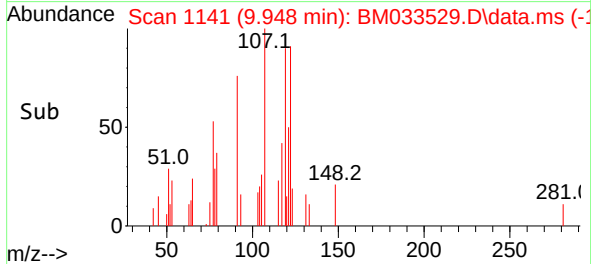


#32
Benzoic acid
Concen: 4.321 ng
RT: 9.948 min Scan# 1161
Delta R.T. -0.118 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

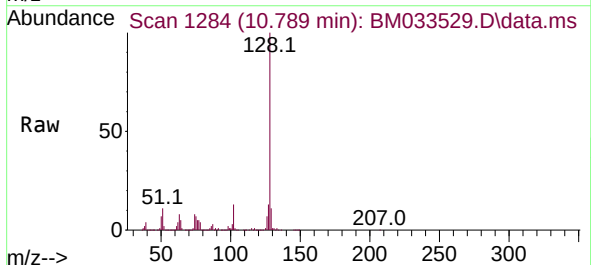
Instrument :
BNA_M
ClientSampleId :



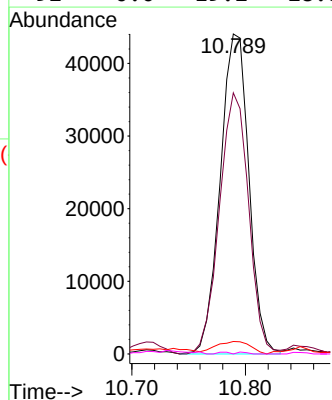
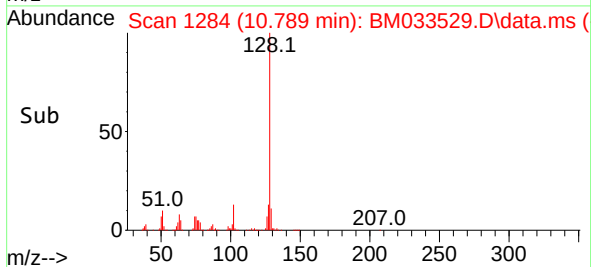
Tgt Ion:122 Resp: 2704
Ion Ratio Lower Upper
122 100
105 29.0 119.6 159.6#
77 72.0 101.0 141.0#

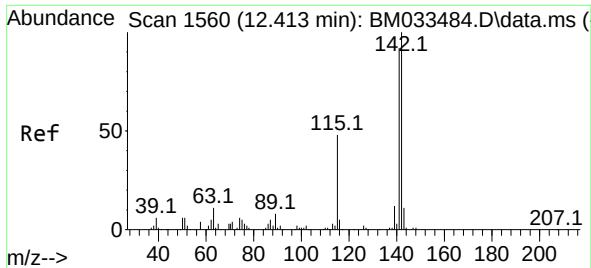


#33
4-Chloroaniline
Concen: 21.636 ng
RT: 10.789 min Scan# 1284
Delta R.T. -0.136 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15



Tgt Ion:127 Resp: 77339
Ion Ratio Lower Upper
127 100
129 81.6 26.2 39.4#
65 3.9 33.0 49.6#
92 0.0 19.2 28.8#

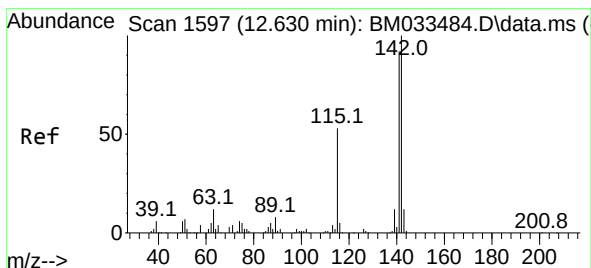
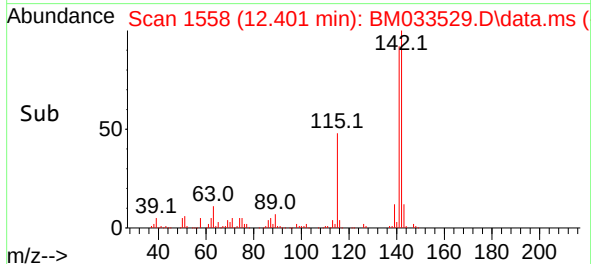
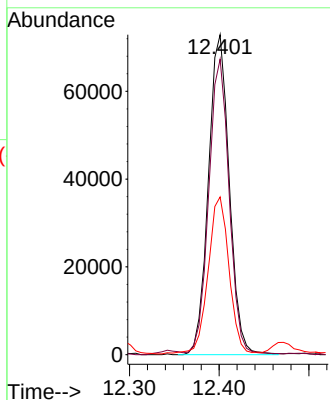
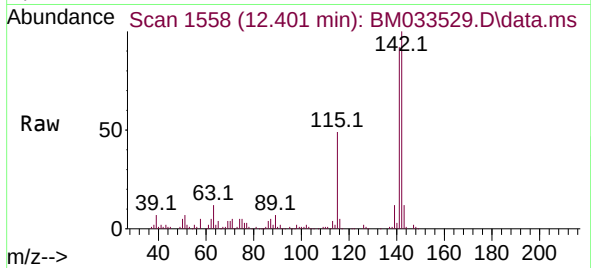




#37
2-Methylnaphthalene
Concen: 15.422 ng
RT: 12.401 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

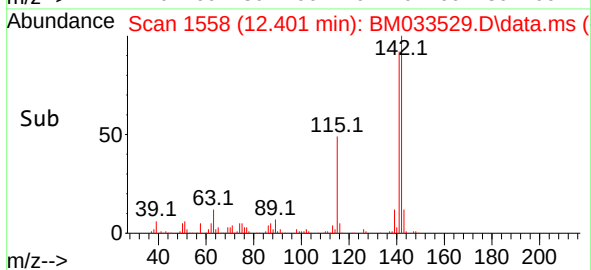
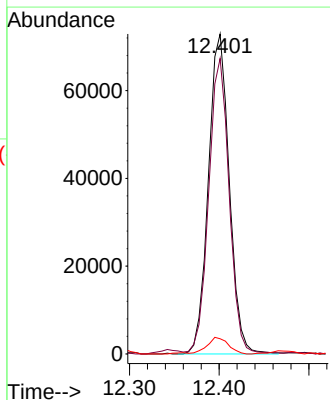
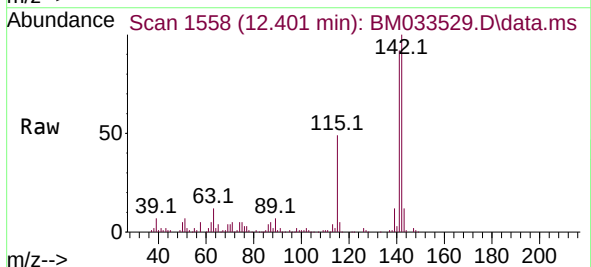
Instrument :
BNA_M
ClientSampleId :

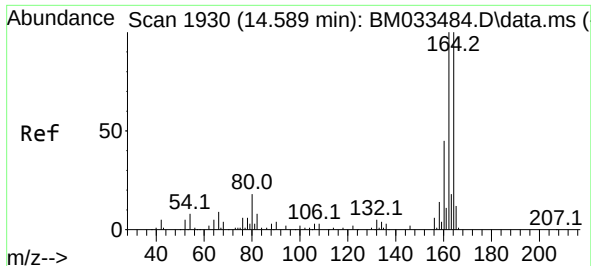
Tgt Ion:142 Resp: 117872
Ion Ratio Lower Upper
142 100
141 92.4 72.2 108.2
115 49.3 33.0 49.6



#38
1-Methylnaphthalene
Concen: 15.461 ng
RT: 12.401 min Scan# 1558
Delta R.T. -0.229 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

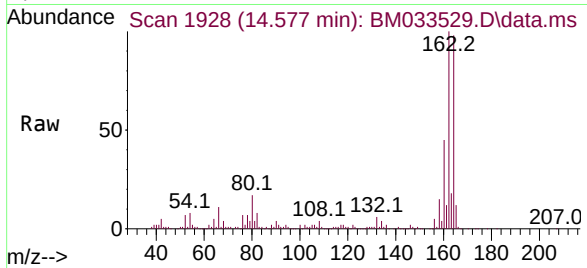
Tgt Ion:142 Resp: 117872
Ion Ratio Lower Upper
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141 92.4 75.0 112.4
116 4.8 3.5 5.3



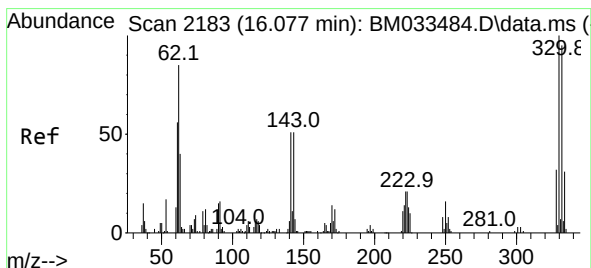
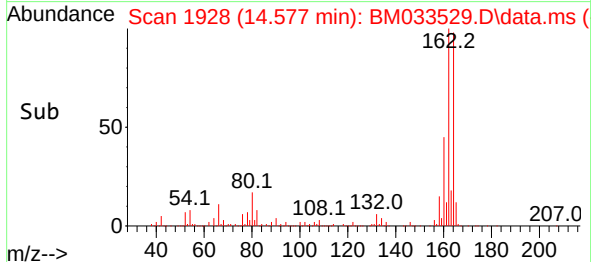
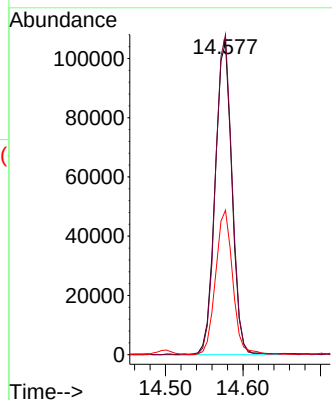


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Instrument :
BNA_M
ClientSampleId :

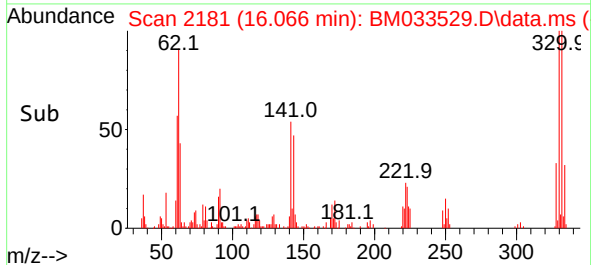
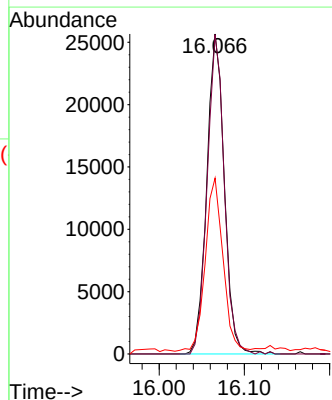
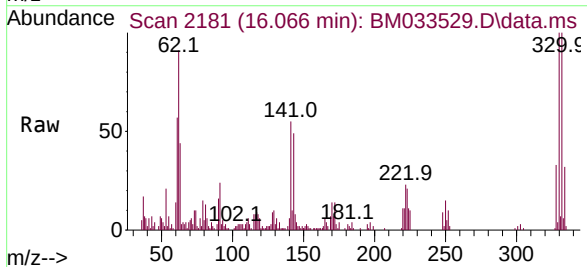


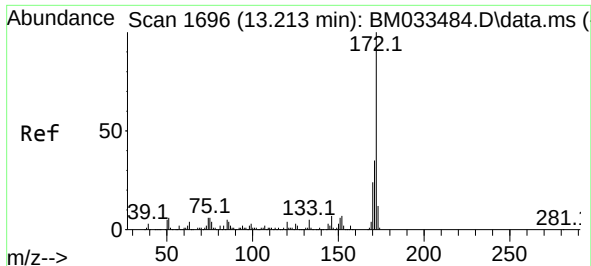
Tgt Ion:164 Resp: 159552
Ion Ratio Lower Upper
164 100
162 102.5 79.7 119.5
160 46.3 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 20.513 ng
RT: 16.066 min Scan# 2181
Delta R.T. -0.011 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

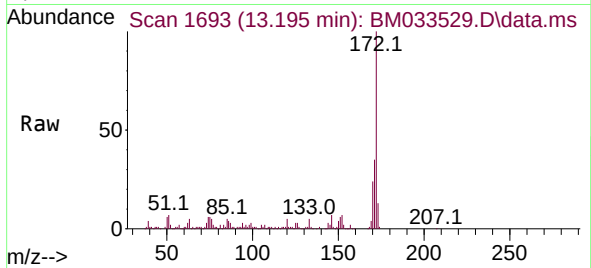
Tgt Ion:330 Resp: 36817
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 54.4 35.9 53.9#



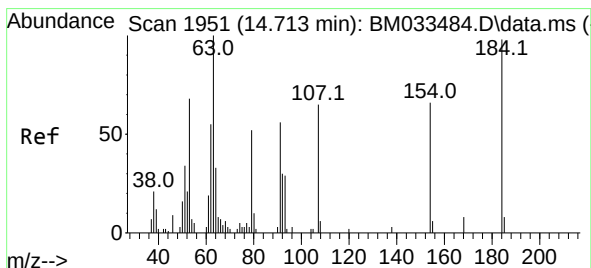
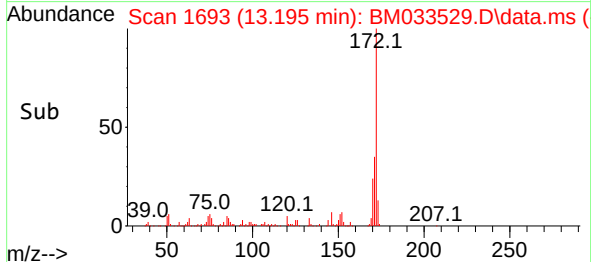
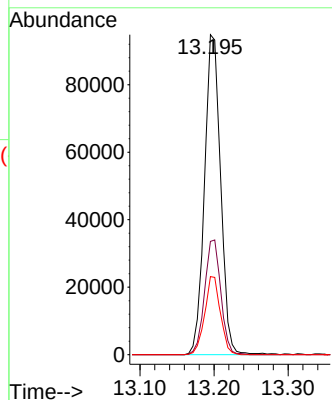


#45
2-Fluorobiphenyl
Concen: 12.476 ng
RT: 13.195 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Instrument :
BNA_M
ClientSampleId :

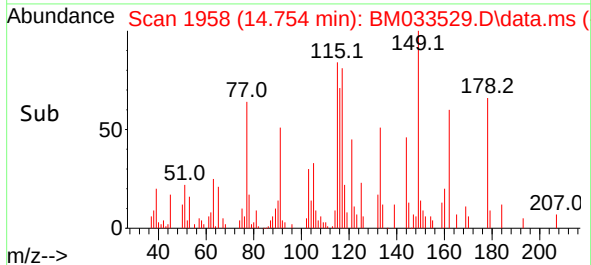
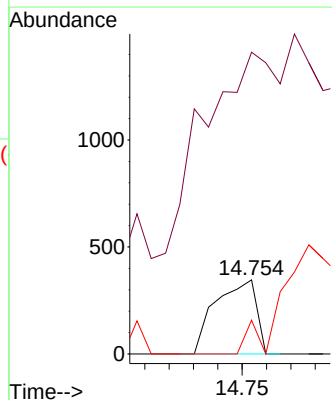
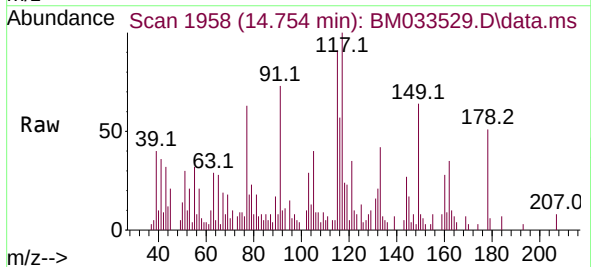


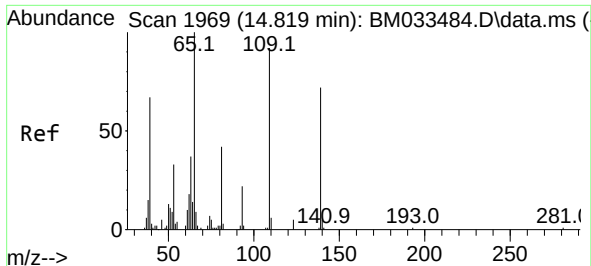
Tgt Ion:172 Resp: 143898
Ion Ratio Lower Upper
172 100
171 35.4 27.2 40.8
170 24.4 18.7 28.1



#54
2,4-Dinitrophenol
Concen: 7.350 ng
RT: 14.754 min Scan# 1958
Delta R.T. 0.041 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Tgt Ion:184 Resp: 402
Ion Ratio Lower Upper
184 100
63 407.8 71.8 107.6#
154 45.7 55.7 83.5#

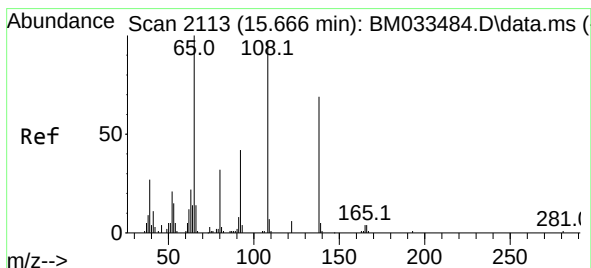
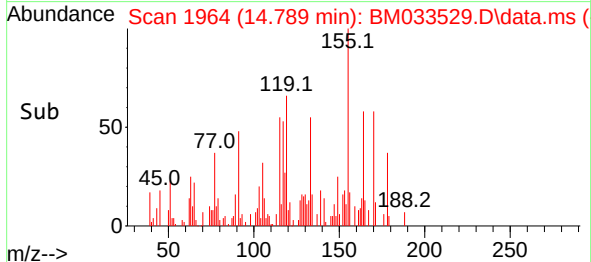
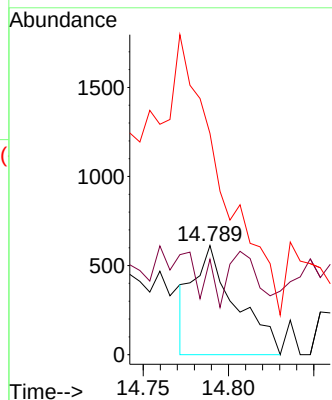
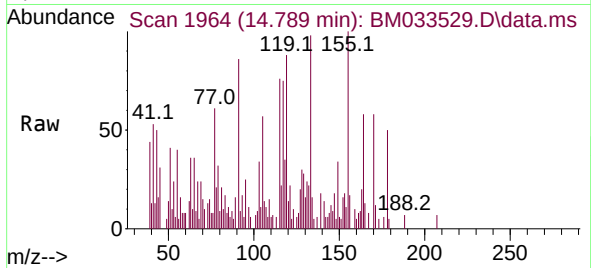




#56
4-Nitrophenol
Concen: 4.588 ng
RT: 14.789 min Scan# 1969
Delta R.T. -0.030 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

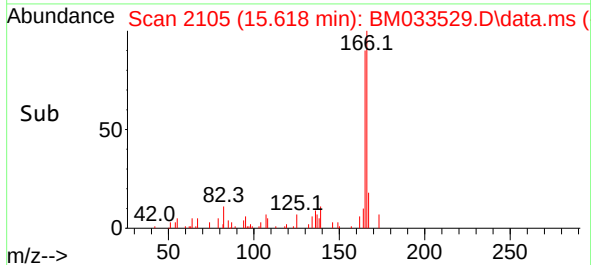
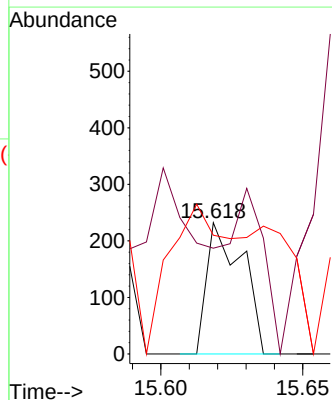
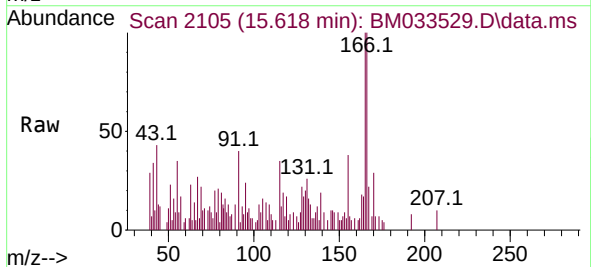
Instrument :
BNA_M
ClientSampleId :

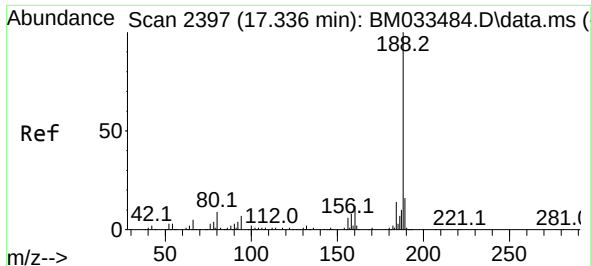
Tgt Ion:139 Resp: 1058
Ion Ratio Lower Upper
139 100
109 87.4 75.3 115.3
65 202.9 107.4 147.4#



#62
4-Nitroaniline
Concen: 2.654 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.048 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

Tgt Ion:138 Resp: 202
Ion Ratio Lower Upper
138 100
92 80.6 38.7 78.7#
108 90.5 81.9 121.9

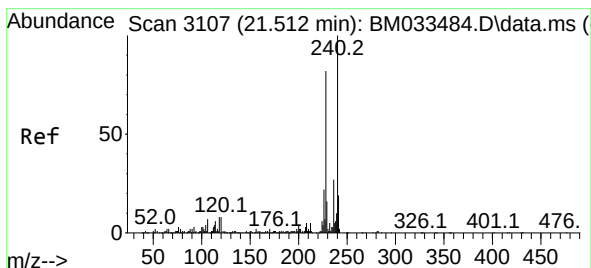
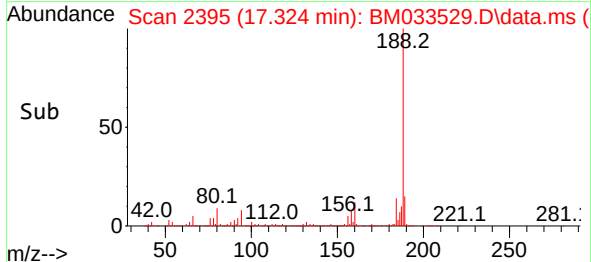
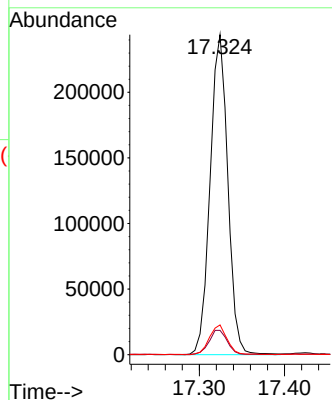
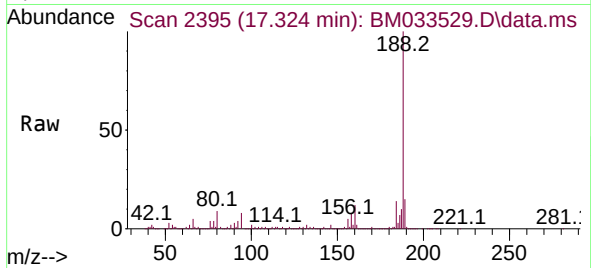




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

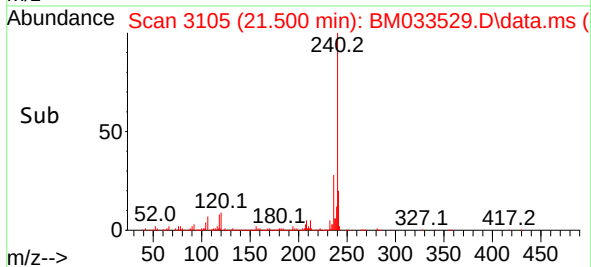
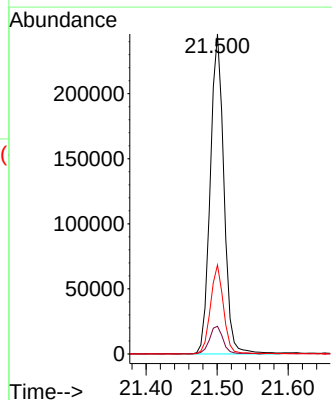
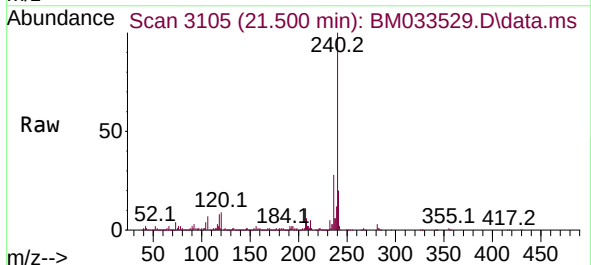
Instrument :
BNA_M
ClientSampleId :

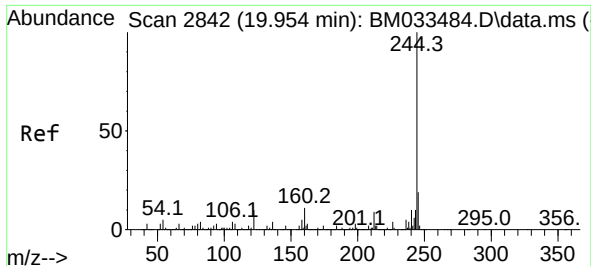
Tgt Ion:188 Resp: 351756
Ion Ratio Lower Upper
188 100
94 7.6 7.5 11.3
80 9.3 8.9 13.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM033529.D
Acq: 18 Dec 2021 21:15

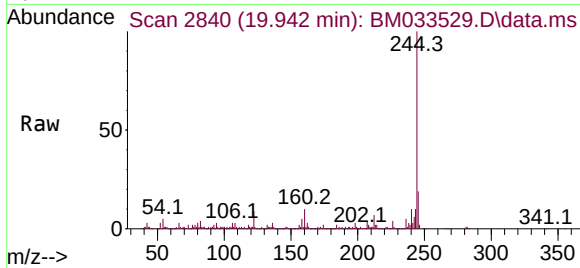
Tgt Ion:240 Resp: 329413
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 27.8 20.3 30.5



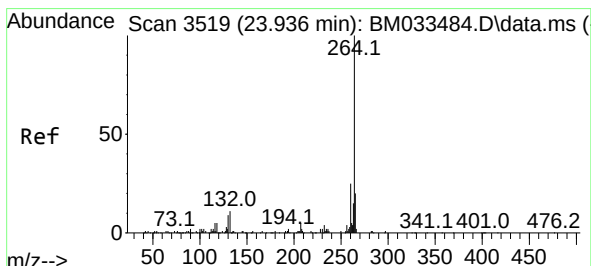
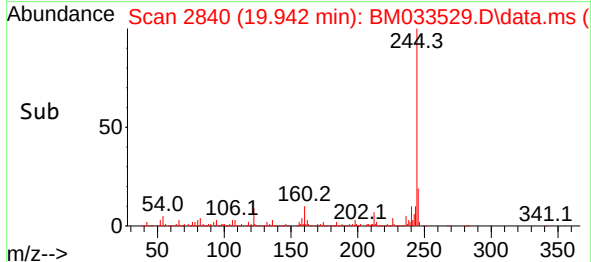
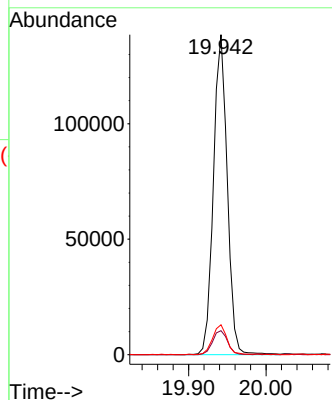


#79
 Terphenyl-d14
 Concen: 8.205 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM033529.D
 Acq: 18 Dec 2021 21:15

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 171683
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 9.4 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.912 min Scan# 3515
 Delta R.T. -0.024 min
 Lab File: BM033529.D
 Acq: 18 Dec 2021 21:15

Tgt Ion:264 Resp: 284226
 Ion Ratio Lower Upper
 264 100
 260 24.3 17.7 26.5
 265 21.5 17.7 26.5

