

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008426.D
 Acq On : 15 Dec 2021 20:23
 Operator : CG/JU
 Sample : M5032-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121021

Quant Time: Dec 15 21:07:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

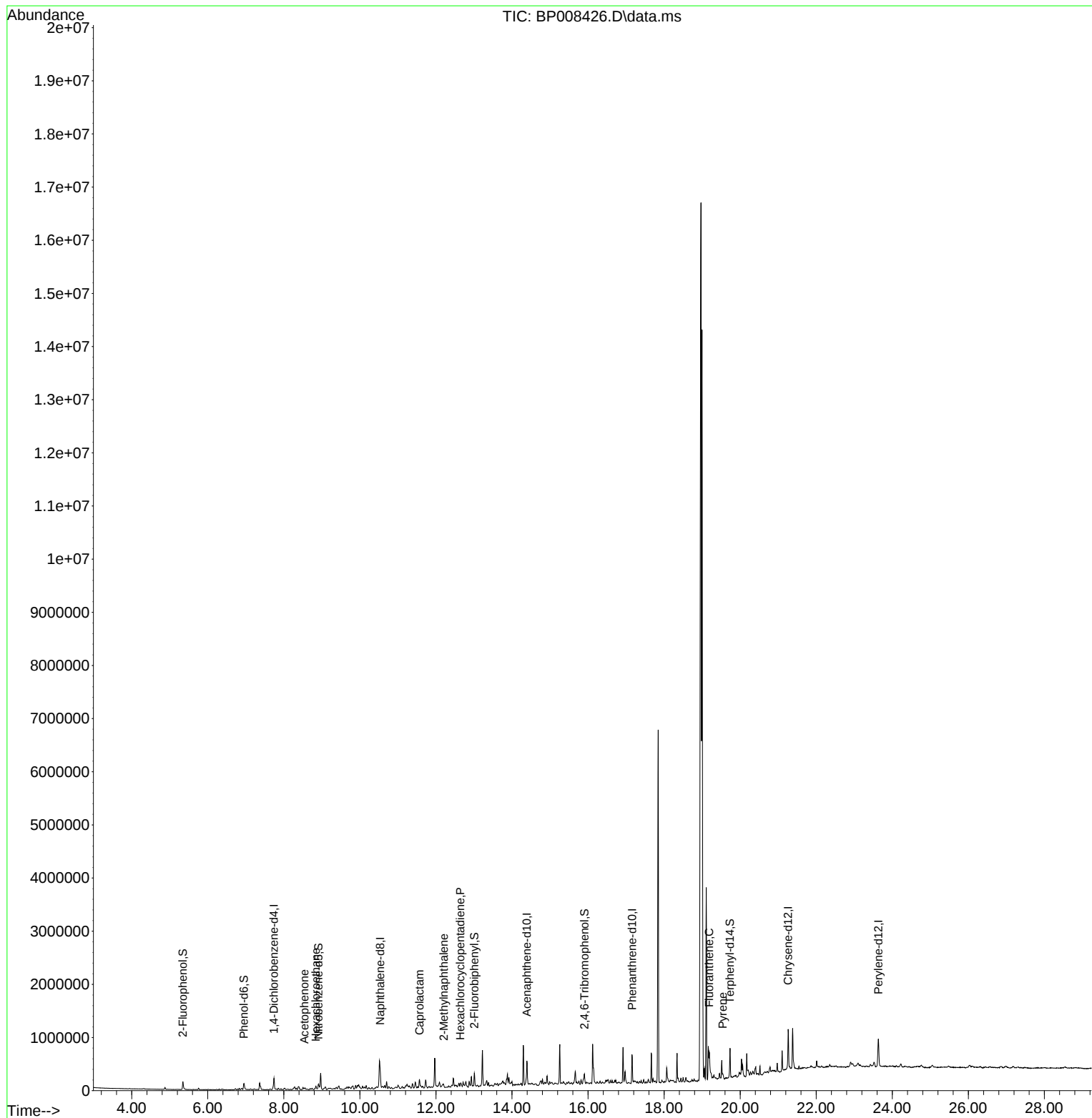
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	55673	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	204622	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	138110	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	303988	20.000	ng	0.00
76) Chrysene-d12	21.263	240	349090	20.000	ng	0.00
86) Perylene-d12	23.633	264	397474	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	67746	19.217	ng	0.00
7) Phenol-d6	6.952	99	83361	17.606	ng	0.01
23) Nitrobenzene-d5	8.910	82	56368	11.670	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	40728	20.067	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	133398	12.278	ng	0.00
79) Terphenyl-d14	19.733	244	247337	12.331	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	240	Below Cal	#	43
9) Benzaldehyde	6.893	77	1244	Below Cal	#	1
18) Hexachloroethane	8.846	117	5246	3.344	ng	# 1
22) Acetophenone	8.540	105	12787	2.125	ng	# 61
35) Caprolactam	11.569	113	5118	7.655	ng	# 13
37) 2-Methylnaphthalene	12.210	142	17009	2.300	ng	91
41) Hexachlorocyclopentadiene	12.640	237	10	8.658	ng	80
75) Fluoranthene	19.186	202	49525	2.664	ng	95
78) Pyrene	19.539	202	53165	2.129	ng	97

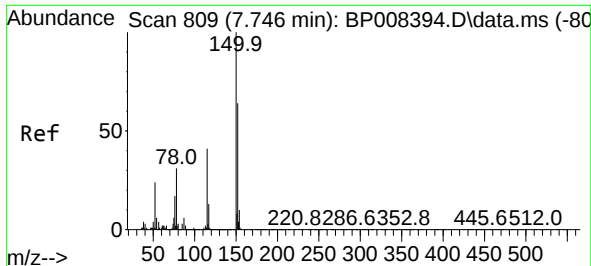
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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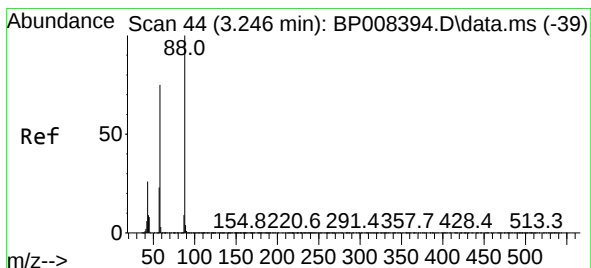
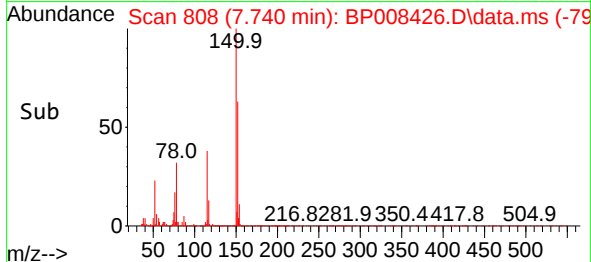
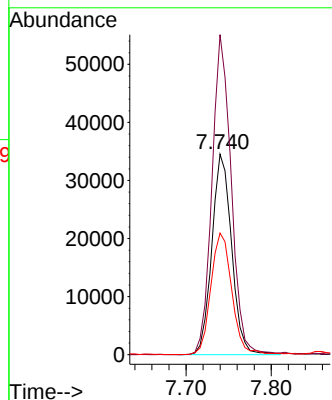
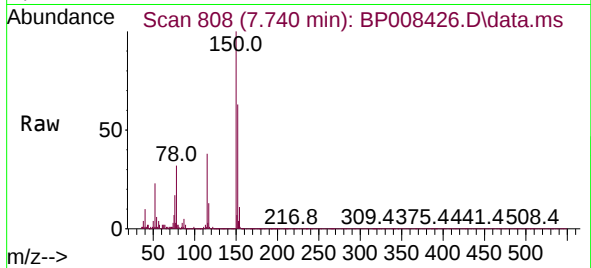




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP008426.D
 Acq: 15 Dec 2021 20:23

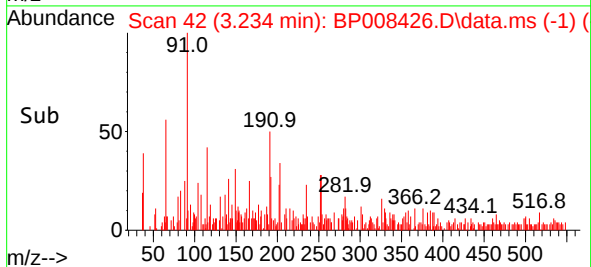
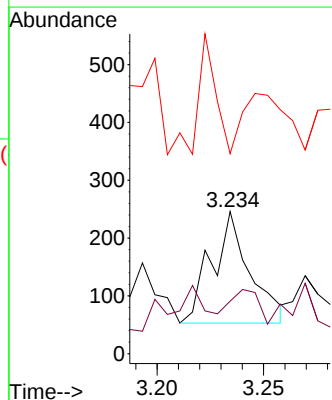
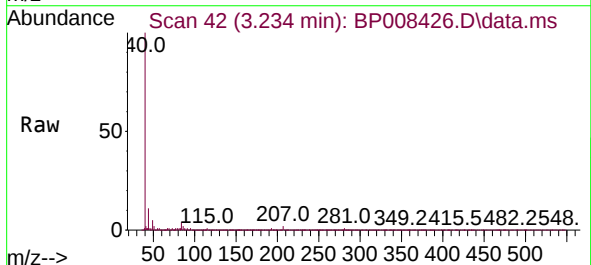
Instrument :
 BNA_P
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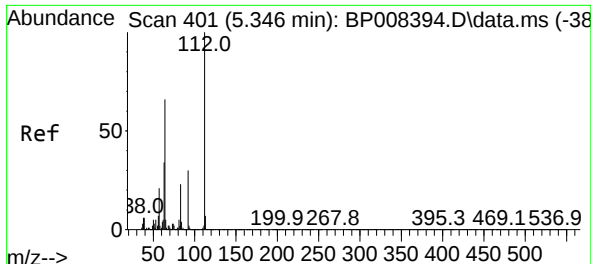
Tgt Ion:152 Resp: 55673
 Ion Ratio Lower Upper
 152 100
 150 159.7 125.7 188.5
 115 60.6 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.234 min Scan# 42
 Delta R.T. -0.012 min
 Lab File: BP008426.D
 Acq: 15 Dec 2021 20:23

Tgt Ion: 88 Resp: 240
 Ion Ratio Lower Upper
 88 100
 58 30.0 63.5 95.3#
 43 61.3 23.4 35.2#

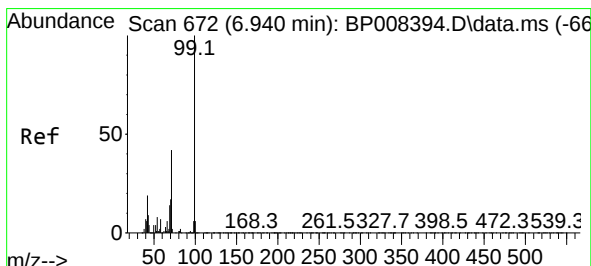
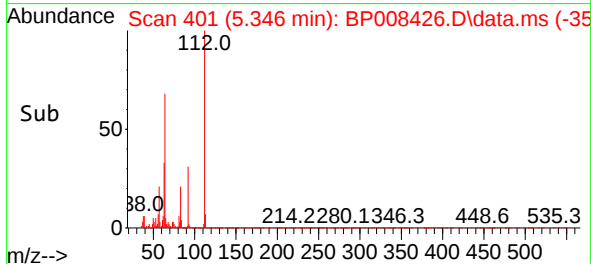
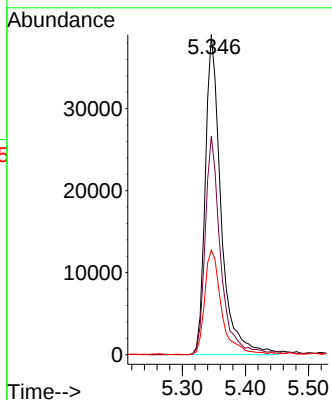
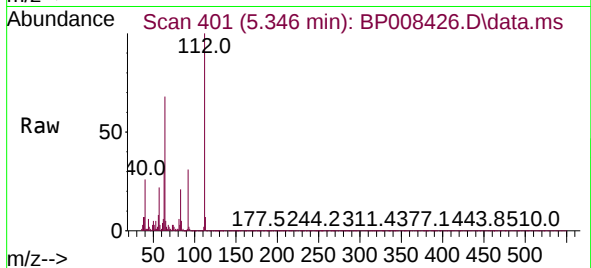




#5
2-Fluorophenol
Concen: 19.217 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

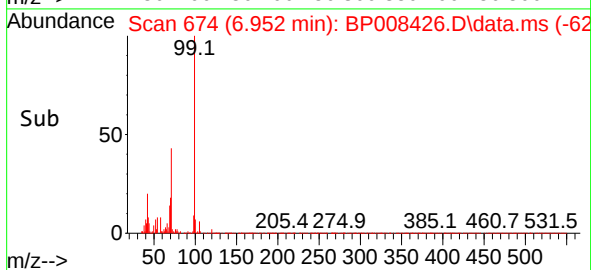
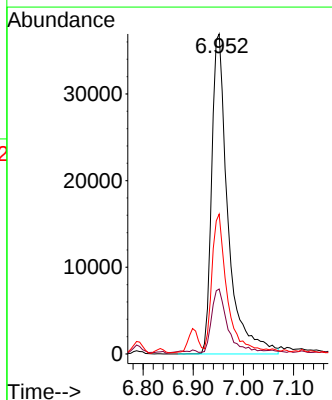
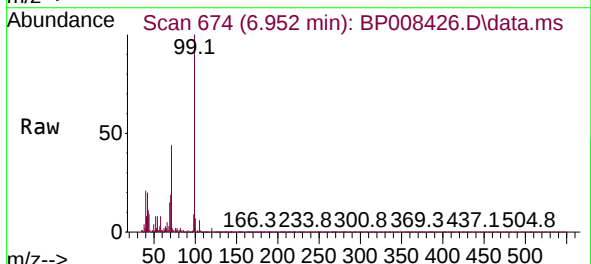
Instrument :
BNA_P
ClientSampleId :
TR-04-121021

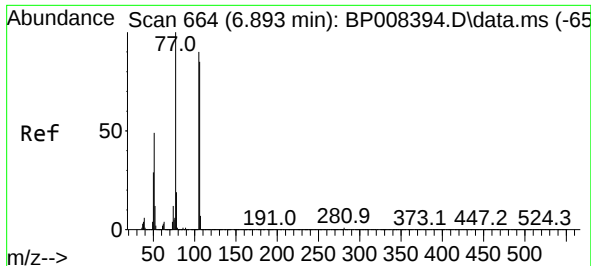
Tgt Ion:112 Resp: 67746
Ion Ratio Lower Upper
112 100
64 68.3 53.4 80.2
63 32.7 27.8 41.8



#7
Phenol-d6
Concen: 17.606 ng
RT: 6.952 min Scan# 674
Delta R.T. 0.012 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion: 99 Resp: 83361
Ion Ratio Lower Upper
99 100
42 20.3 14.6 22.0
71 43.7 31.1 46.7

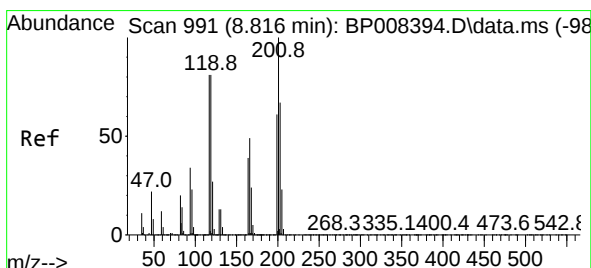
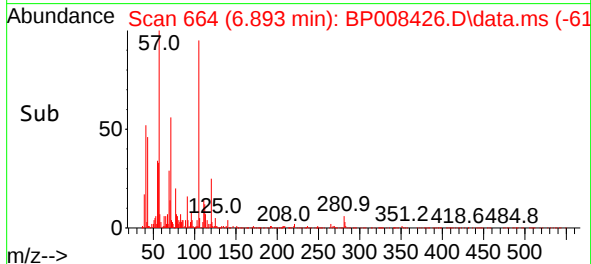
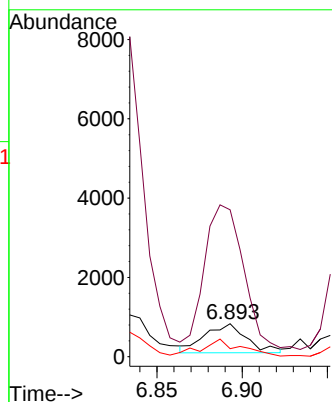
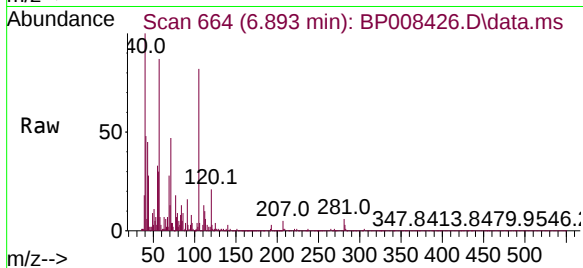




#9
Benzaldehyde
Concen: Below Cal
RT: 6.893 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

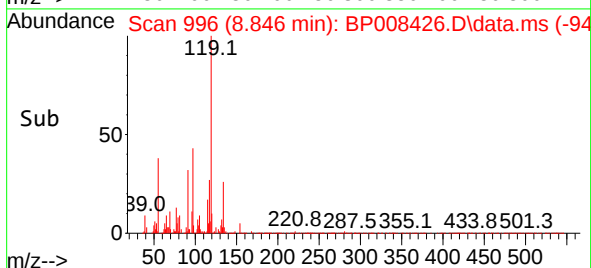
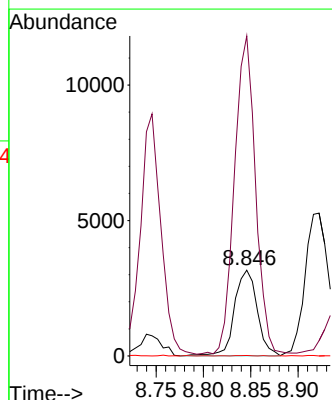
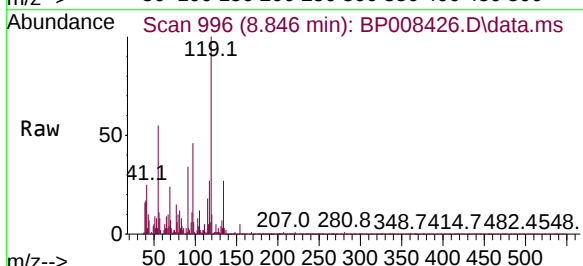
Instrument :
BNA_P
ClientSampleId :
TR-04-121021

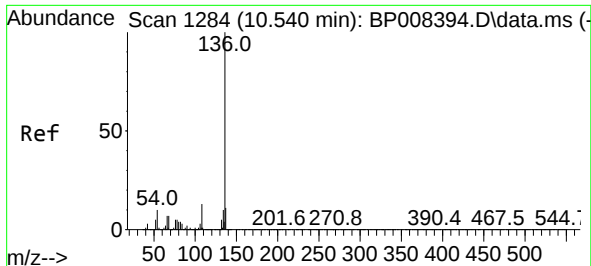
Tgt Ion: 77 Resp: 1244
Ion Ratio Lower Upper
77 100
105 446.6 71.8 111.8#
106 25.3 67.3 107.3#



#18
Hexachloroethane
Concen: 3.344 ng
RT: 8.846 min Scan# 996
Delta R.T. 0.029 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion: 117 Resp: 5246
Ion Ratio Lower Upper
117 100
119 373.0 74.7 112.1#
201 0.7 88.6 132.8#

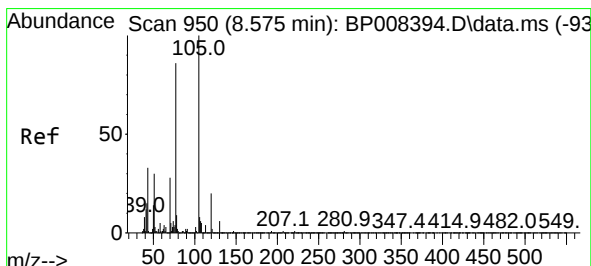
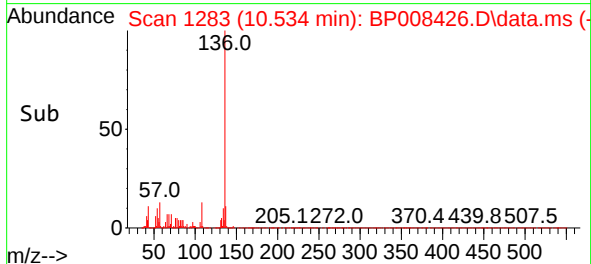
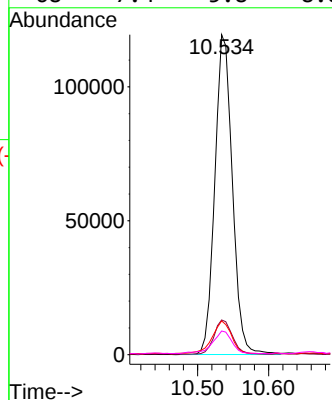
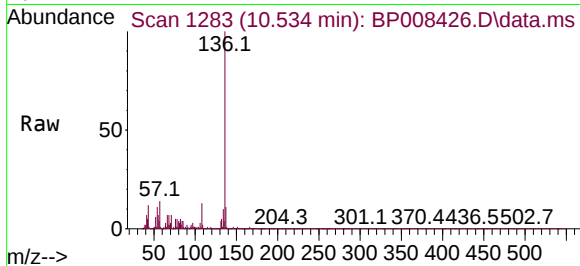




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

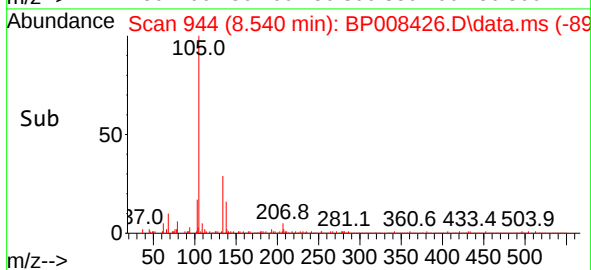
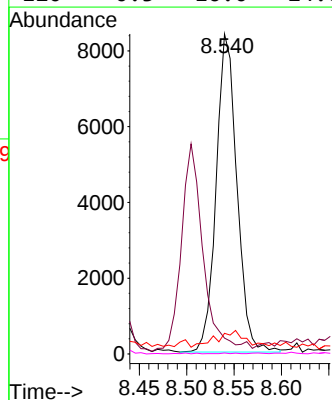
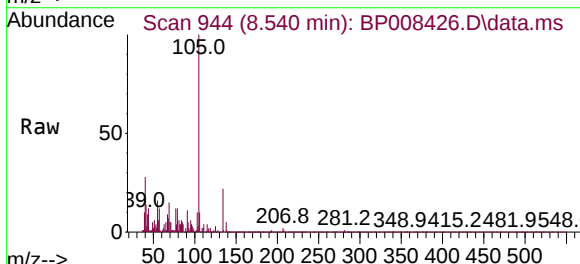
Instrument :
BNA_P
ClientSampleId :
TR-04-121021

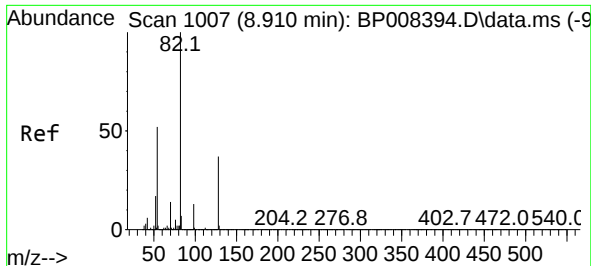
Tgt Ion:	136	Resp:	204622
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	10.6	8.2	12.4
68	7.4	5.8	8.8



#22
Acetophenone
Concen: 2.125 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.035 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion:	105	Resp:	12787
Ion Ratio	Lower	Upper	
105	100		
71	5.0	4.0	6.0
51	6.5	23.8	35.6#
120	0.3	16.0	24.0#

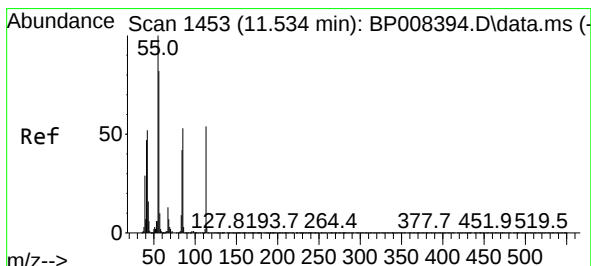
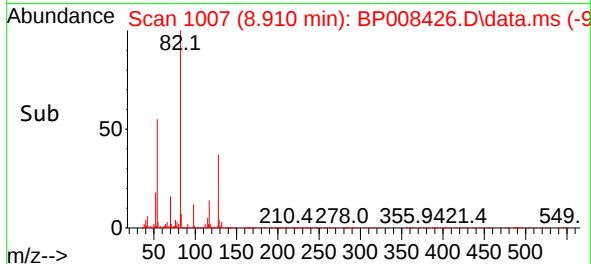
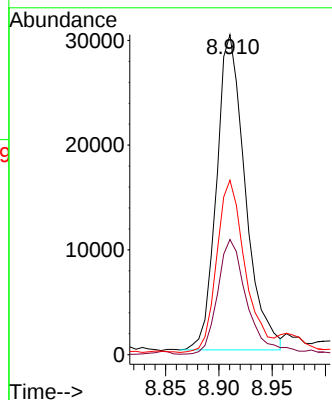
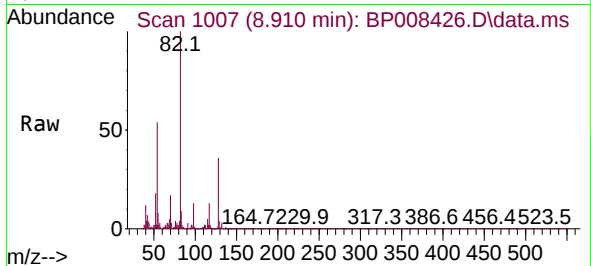




#23
Nitrobenzene-d5
Concen: 11.670 ng
RT: 8.910 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

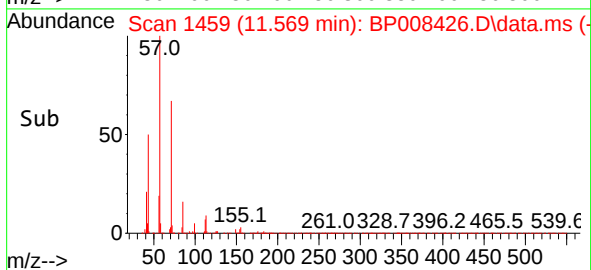
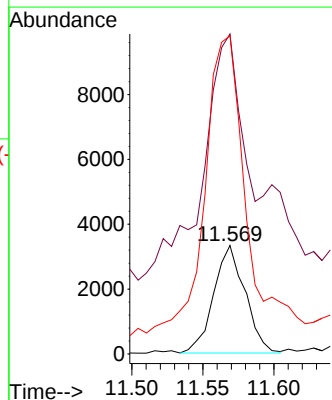
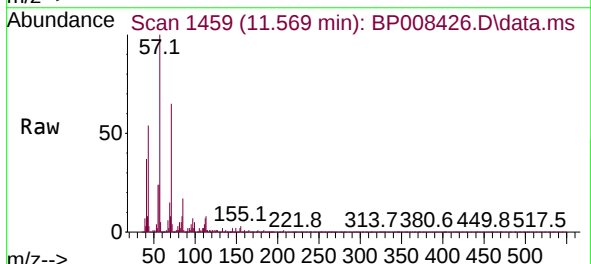
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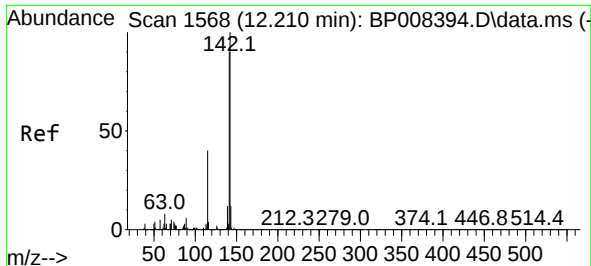
Tgt Ion: 82 Resp: 56368
Ion Ratio Lower Upper
82 100
128 36.0 29.6 44.4
54 54.5 42.7 64.1



#35
Caprolactam
Concen: 7.655 ng
RT: 11.569 min Scan# 1459
Delta R.T. 0.035 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion: 113 Resp: 5118
Ion Ratio Lower Upper
113 100
55 294.9 174.2 214.2#
56 293.3 130.3 170.3#

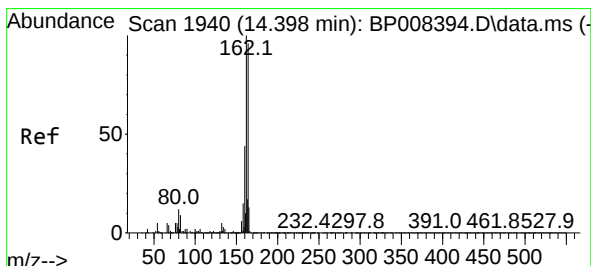
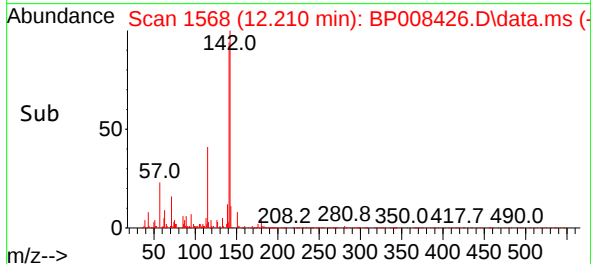
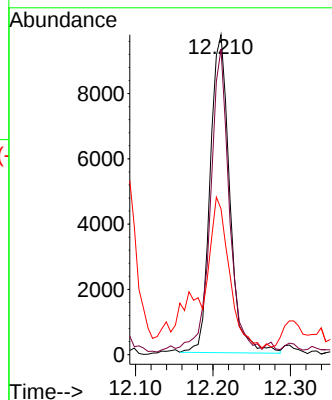
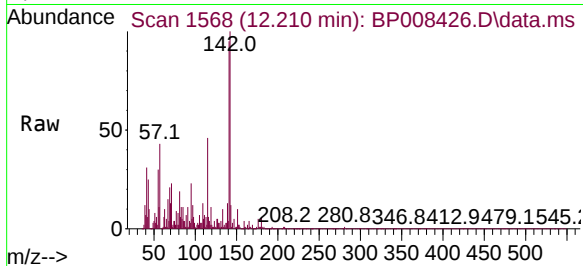




#37
2-Methylnaphthalene
Concen: 2.300 ng
RT: 12.210 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

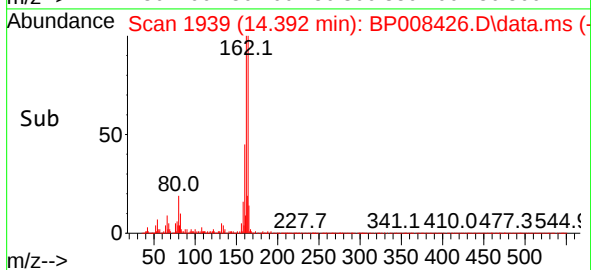
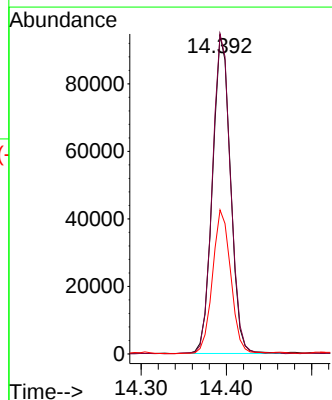
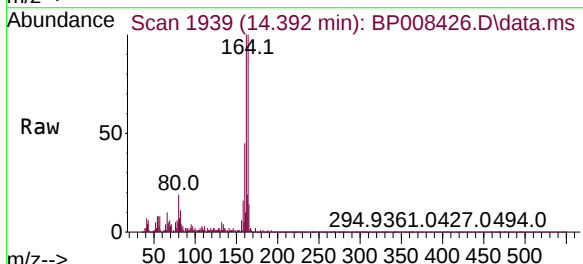
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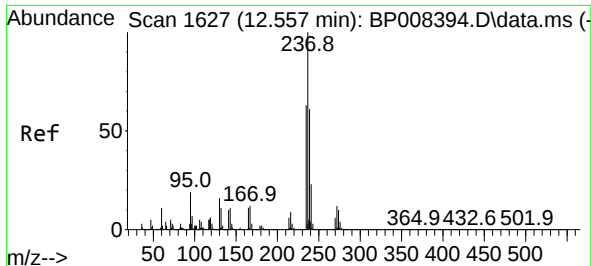
Tgt Ion:142 Resp: 17009
Ion Ratio Lower Upper
142 100
141 95.5 70.7 106.1
115 45.6 30.9 46.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion:164 Resp: 138110
Ion Ratio Lower Upper
164 100
162 100.3 81.9 122.9
160 45.2 35.4 53.0

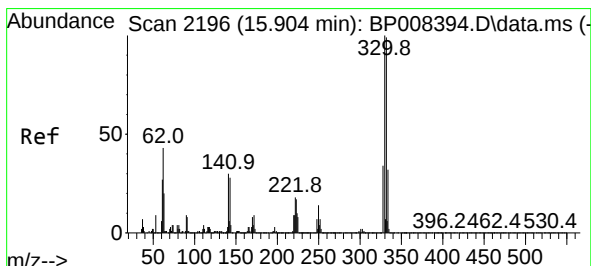
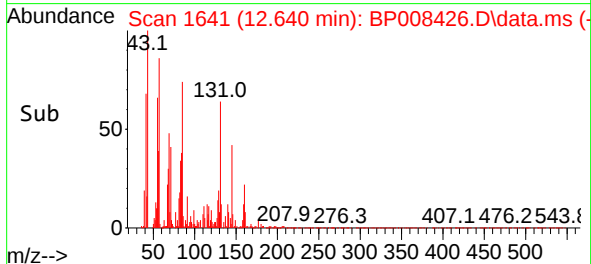
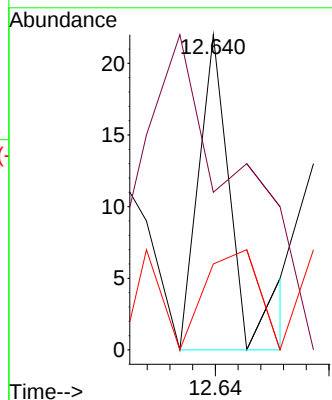
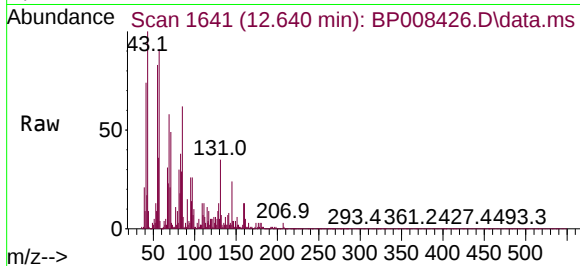




#41
Hexachlorocyclopentadiene
Concen: 8.658 ng
RT: 12.640 min Scan# 1641
Delta R.T. 0.083 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

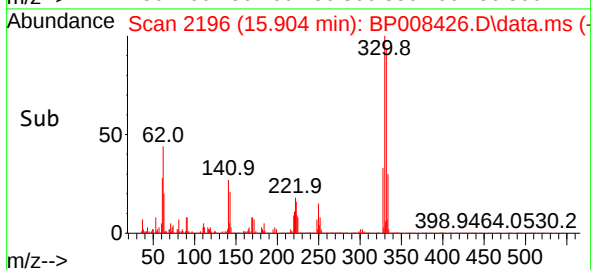
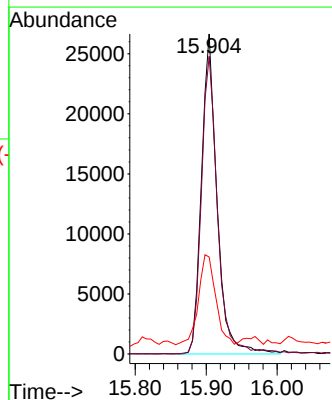
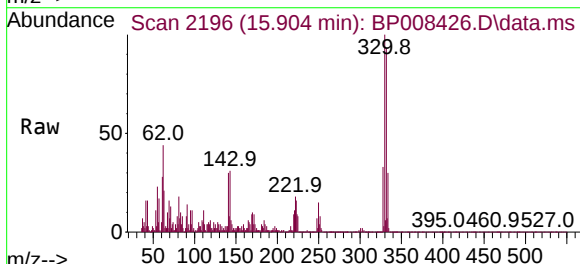
Instrument :
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TR-04-121021

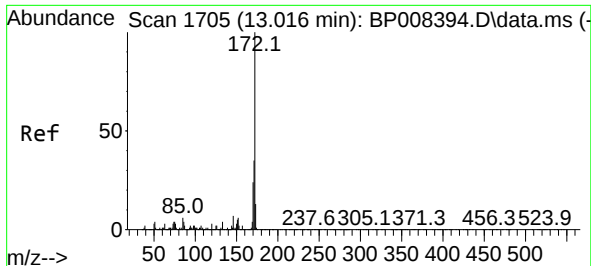
Tgt Ion:	237	Resp:	10
Ion	Ratio	Lower	Upper
237	100		
235	50.0	42.3	82.3
272	27.3	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 20.067 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion:	330	Resp:	40728
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.4
141	31.0	28.4	42.6

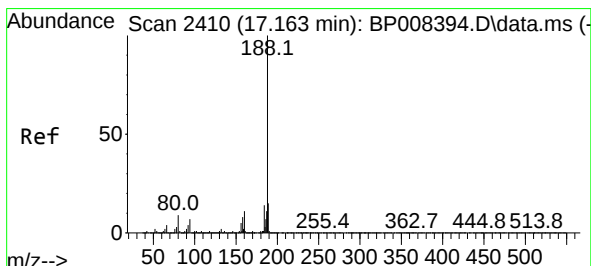
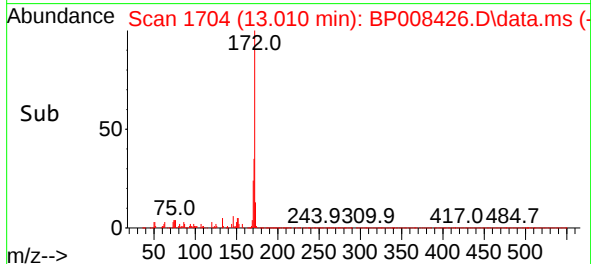
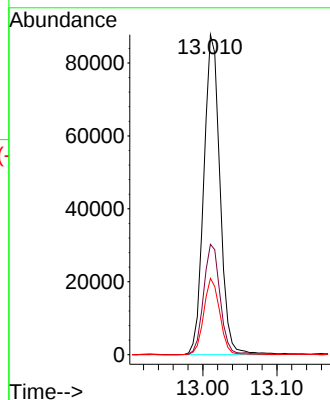
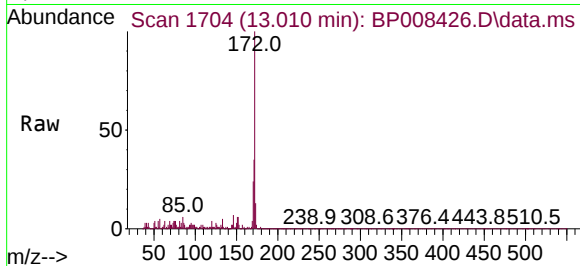




#45
2-Fluorobiphenyl
Concen: 12.278 ng
RT: 13.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

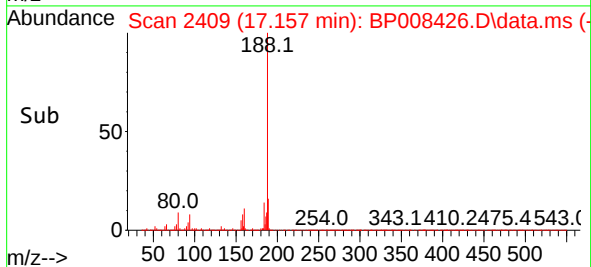
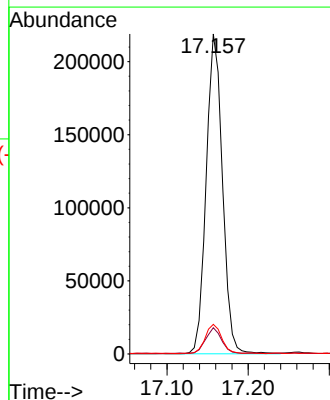
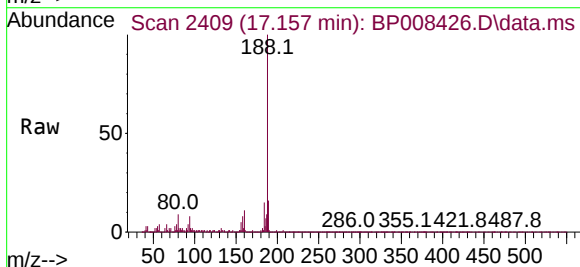
Instrument :
BNA_P
ClientSampleId :
TR-04-121021

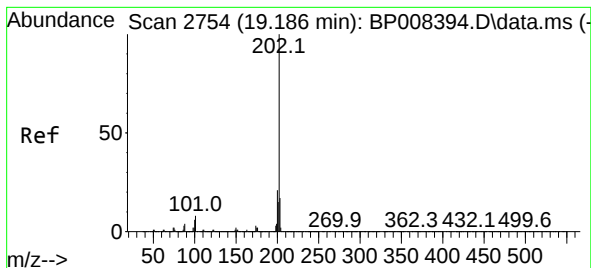
Tgt Ion:172 Resp: 133398
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 23.9 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion:188 Resp: 303988
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 9.3 8.2 12.4





#75

Fluoranthene

Concen: 2.664 ng

RT: 19.186 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP008426.D

Acq: 15 Dec 2021 20:23

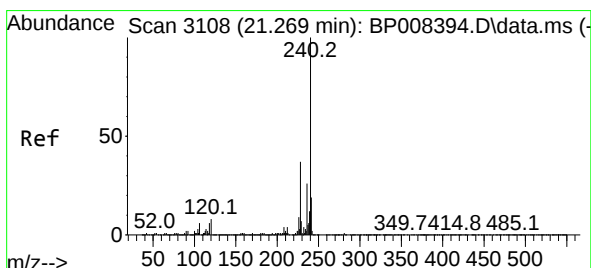
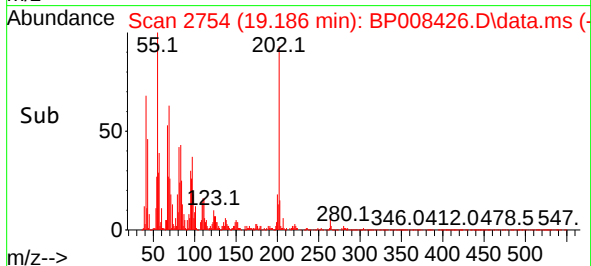
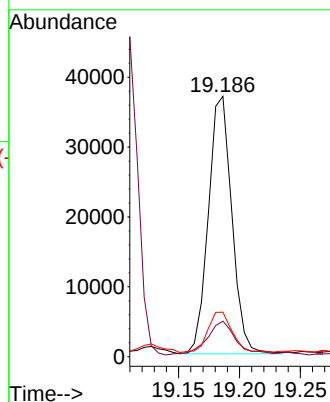
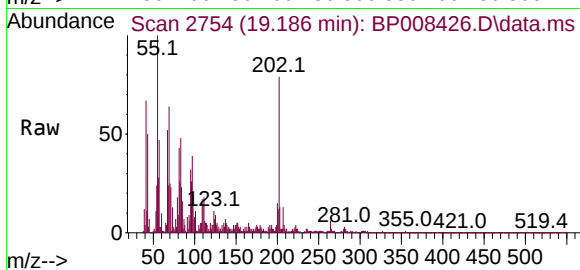
Instrument :

BNA_P

ClientSampleId :

TR-04-121021

Tgt Ion:	202	Resp:	49525
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	29.8
203	17.1	0.0	37.7



#76

Chrysene-d12

Concen: 20.000 ng

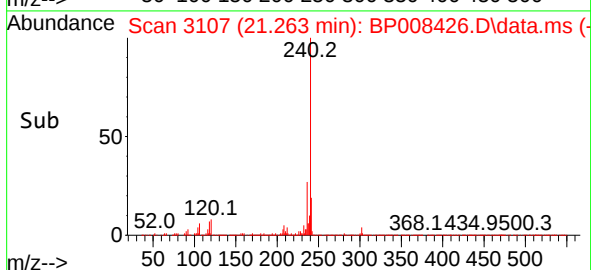
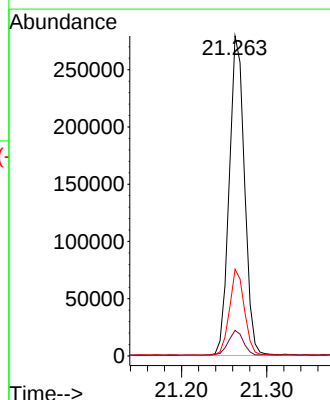
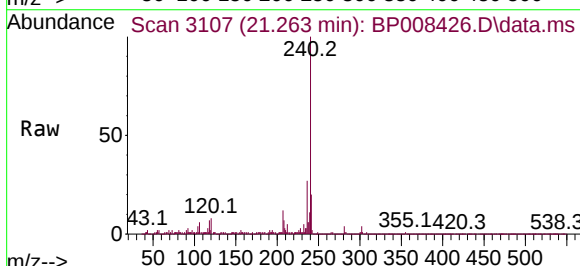
RT: 21.263 min Scan# 3107

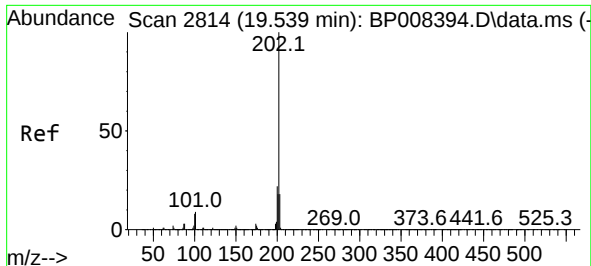
Delta R.T. -0.006 min

Lab File: BP008426.D

Acq: 15 Dec 2021 20:23

Tgt Ion:	240	Resp:	349090
Ion Ratio	Lower	Upper	
240	100		
120	8.0	7.3	10.9
236	27.1	21.4	32.2

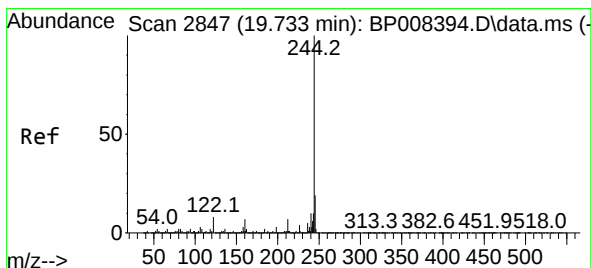
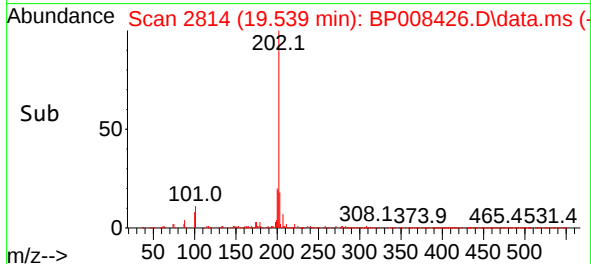
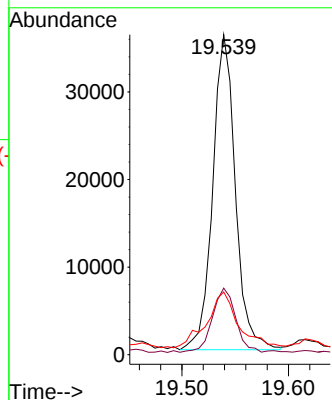
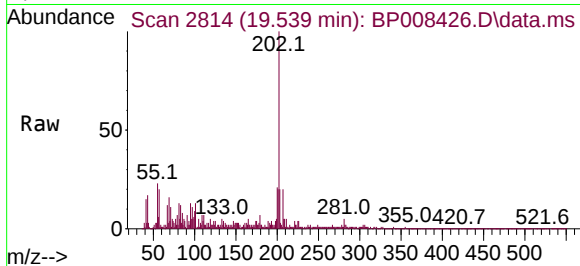




#78
Pyrene
Concen: 2.129 ng
RT: 19.539 min Scan# 2814
Delta R.T. 0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

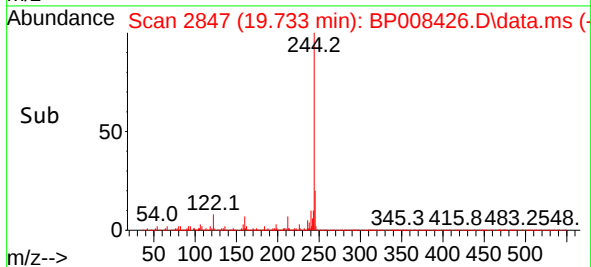
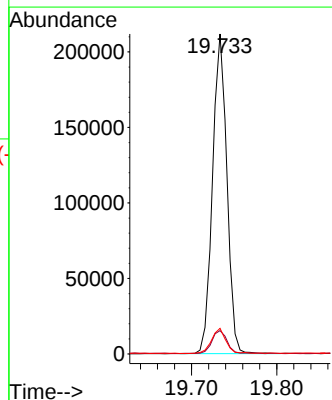
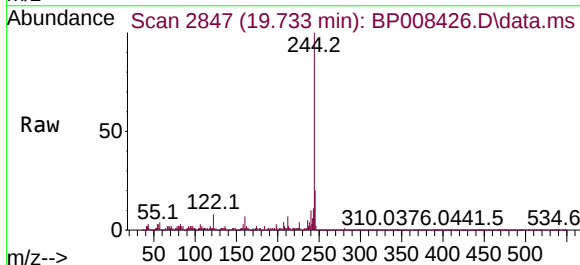
Instrument :
BNA_P
ClientSampleId :
TR-04-121021

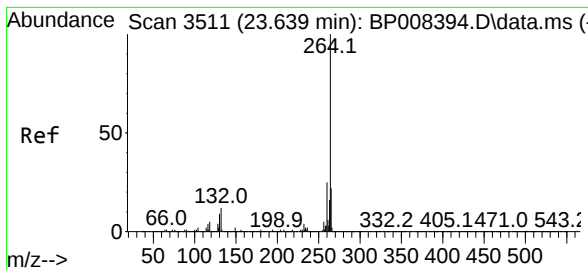
Tgt Ion:	202	Resp:	53165
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.1	25.7
203	19.6	14.2	21.2



#79
Terphenyl-d14
Concen: 12.331 ng
RT: 19.733 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BP008426.D
Acq: 15 Dec 2021 20:23

Tgt Ion:	244	Resp:	247337
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	8.0	6.6	9.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.633 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP008426.D
 Acq: 15 Dec 2021 20:23

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121021

Tgt Ion:264 Resp: 397474
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 22.4 17.6 26.4

