

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022825\
 Data File : BP024142.D
 Acq On : 28 Feb 2025 19:42
 Operator : RC/JU
 Sample : Q1439-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LRSA-MOD

Quant Time: Feb 28 22:04:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

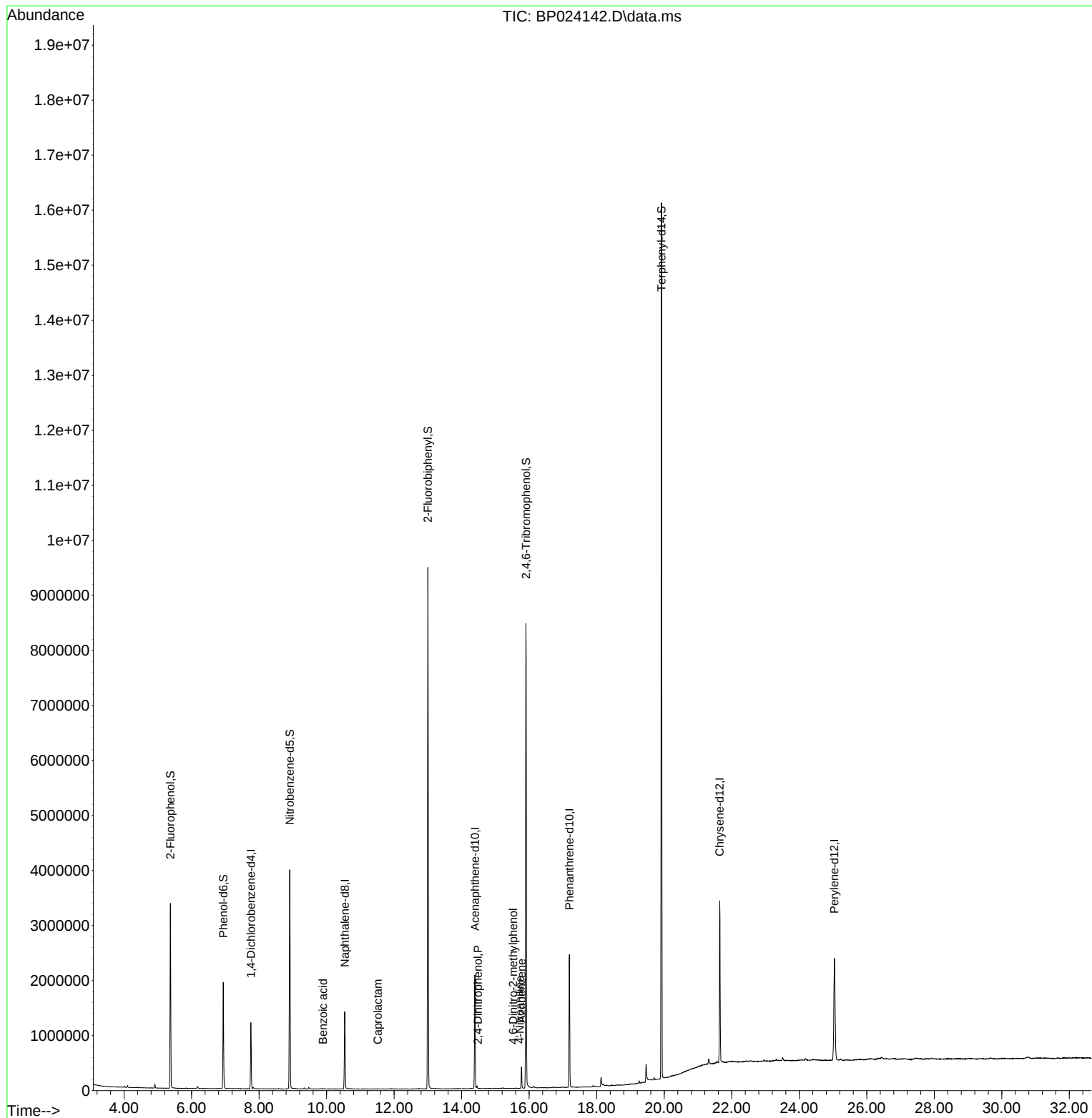
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	328155	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1249913	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	725960	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1435989	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1621152	20.000	ng	0.00
86) Perylene-d12	25.039	264	1877225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1556785	74.024	ng	0.00
7) Phenol-d6	6.940	99	1159894	42.911	ng	0.00
23) Nitrobenzene-d5	8.911	82	2380771	106.264	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1734724	195.084	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	4988965	96.074	ng	0.00
79) Terphenyl-d14	19.922	244	8303772	101.354	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.893	122	352	7.509	ng	# 55
35) Caprolactam	11.516	113	290	5.616	ng	# 1
54) 2,4-Dinitrophenol	14.487	184	33	7.784	ng	# 1
62) 4-Nitroaniline	15.722	138	93	3.294	ng	90
63) Azobenzene	15.775	77	112778	2.368	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.528	198	38	6.013	ng	# 1

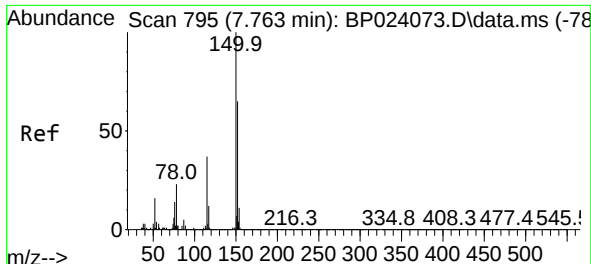
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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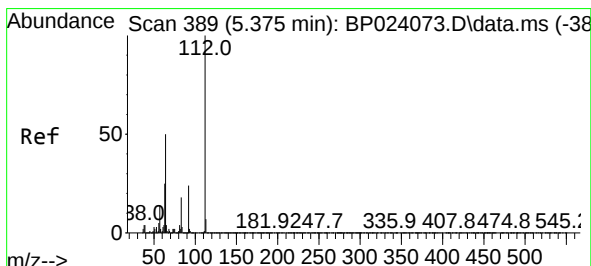
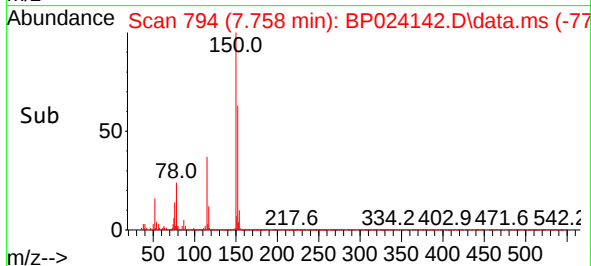
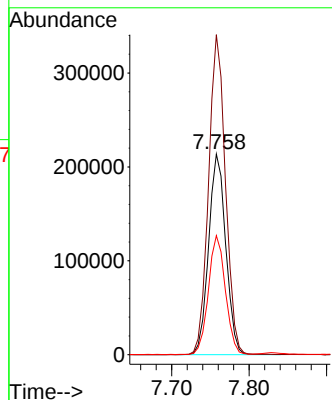
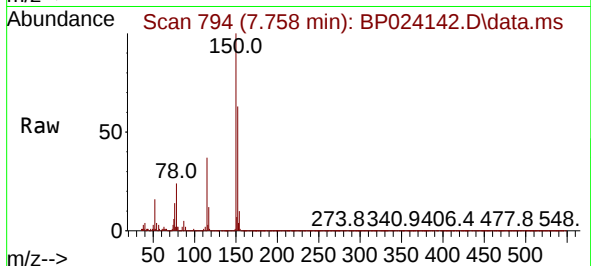




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024142.D
 Acq: 28 Feb 2025 19:42

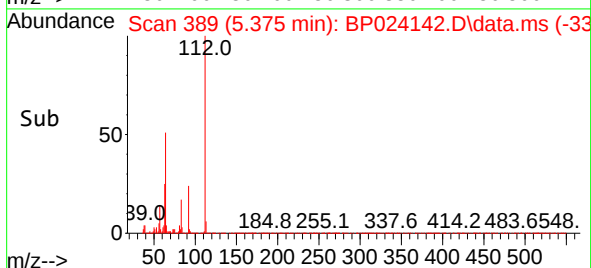
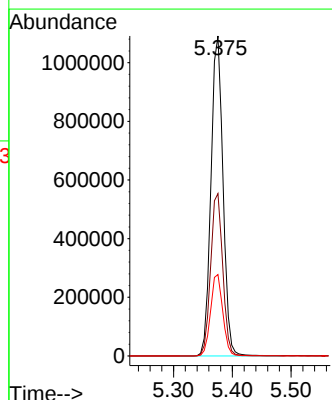
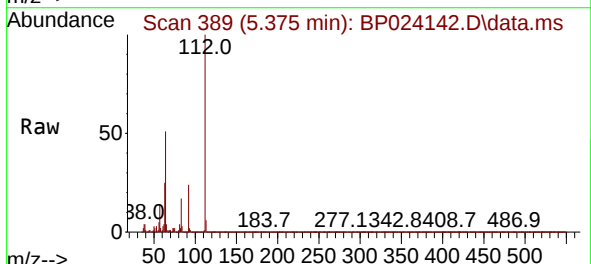
Instrument :
 BNA_P
 ClientSampleId :
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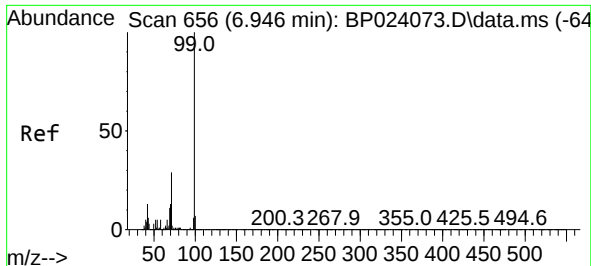
Tgt Ion:152 Resp: 328155
 Ion Ratio Lower Upper
 152 100
 150 159.5 122.4 183.6
 115 59.3 45.0 67.6



#5
 2-Fluorophenol
 Concen: 74.024 ng
 RT: 5.375 min Scan# 389
 Delta R.T. 0.000 min
 Lab File: BP024142.D
 Acq: 28 Feb 2025 19:42

Tgt Ion:112 Resp: 1556785
 Ion Ratio Lower Upper
 112 100
 64 50.8 39.6 59.4
 63 25.4 20.3 30.5



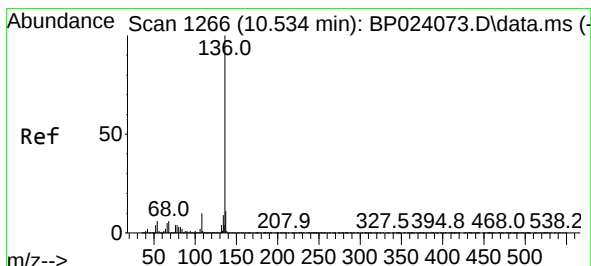
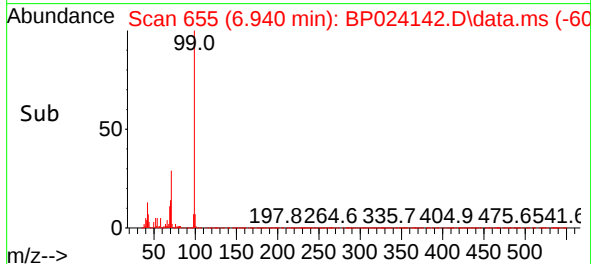
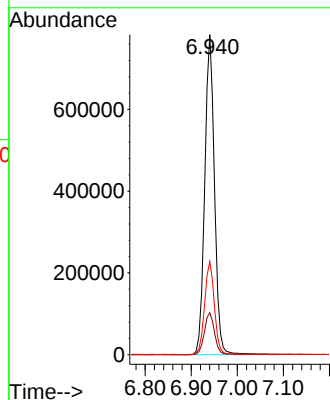
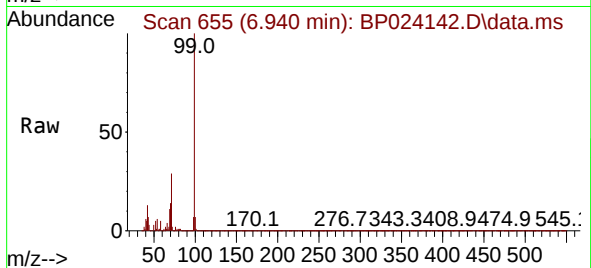


#7
Phenol-d6
Concen: 42.911 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

Instrument :
BNA_P
ClientSampleId :
LRSA-MOD

Tgt Ion: 99 Resp: 1159894

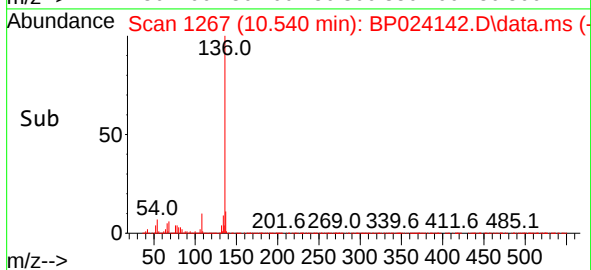
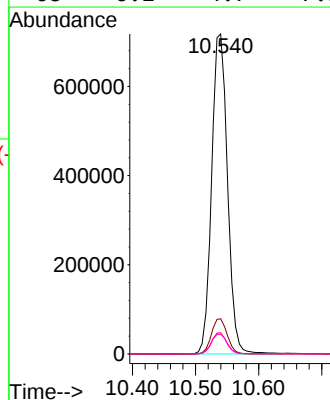
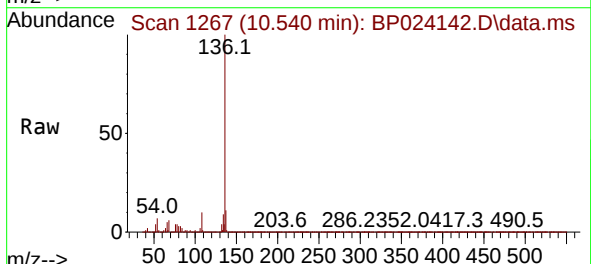
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.3	15.5
71	29.1	22.9	34.3

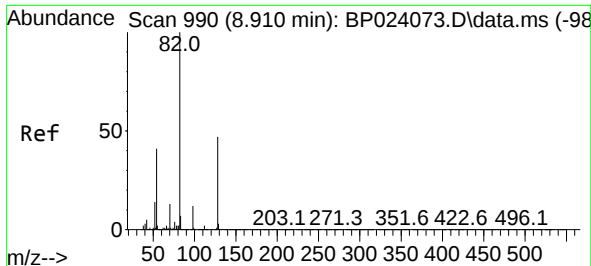


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1267
Delta R.T. 0.006 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

Tgt Ion:136 Resp: 1249913

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.6	4.9	7.3
68	6.2	4.7	7.1

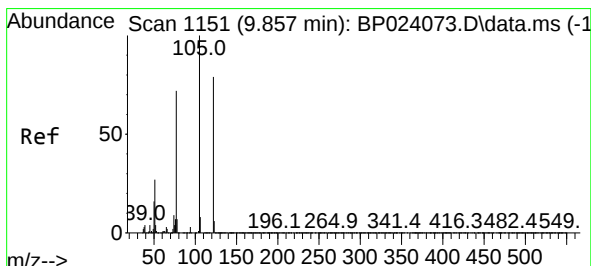
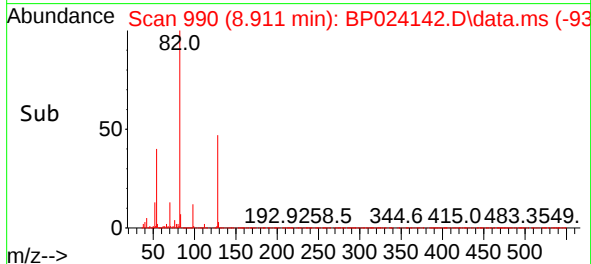
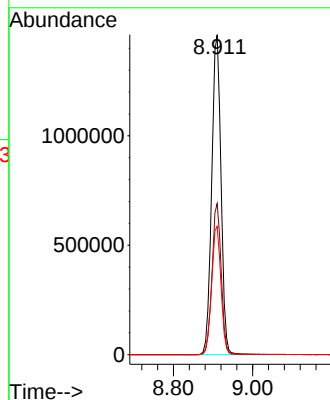
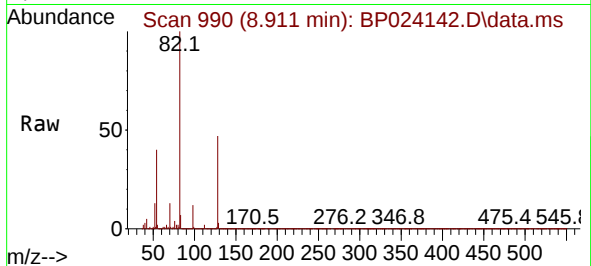




#23
 Nitrobenzene-d5
 Concen: 106.264 ng
 RT: 8.911 min Scan# 990
 Delta R.T. 0.000 min
 Lab File: BP024142.D
 Acq: 28 Feb 2025 19:42

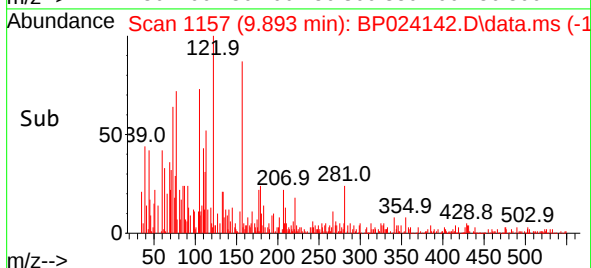
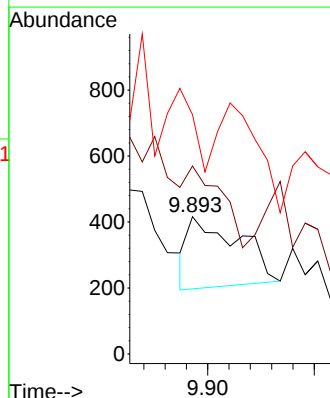
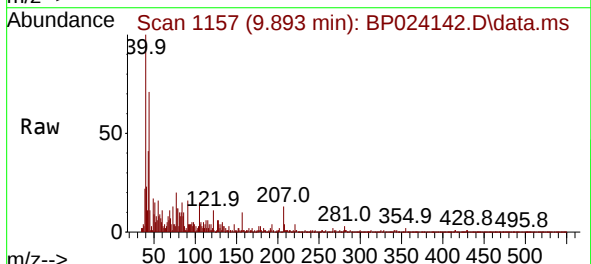
Instrument :
 BNA_P
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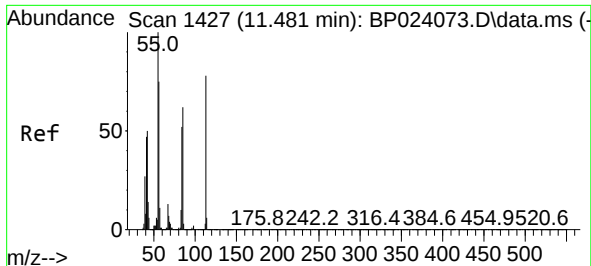
Tgt Ion: 82 Resp: 2380771
 Ion Ratio Lower Upper
 82 100
 128 47.2 37.4 56.2
 54 40.1 32.4 48.6



#32
 Benzoic acid
 Concen: 7.509 ng
 RT: 9.893 min Scan# 1157
 Delta R.T. 0.036 min
 Lab File: BP024142.D
 Acq: 28 Feb 2025 19:42

Tgt Ion:122 Resp: 352
 Ion Ratio Lower Upper
 122 100
 105 137.0 103.7 143.7
 77 174.3 69.9 109.9#

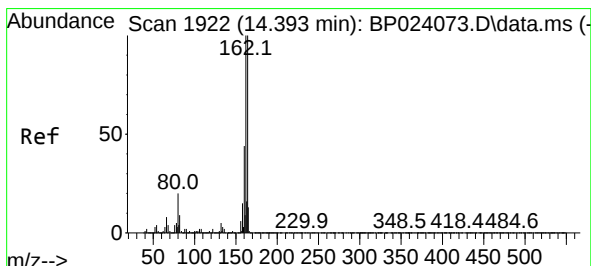
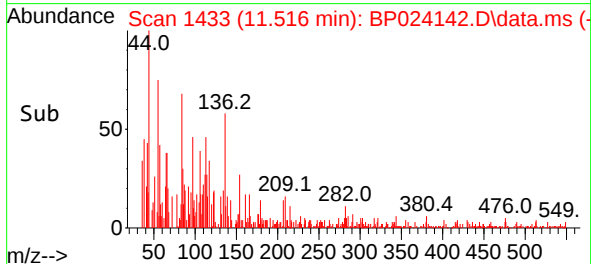
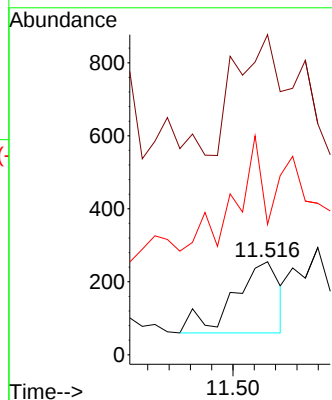
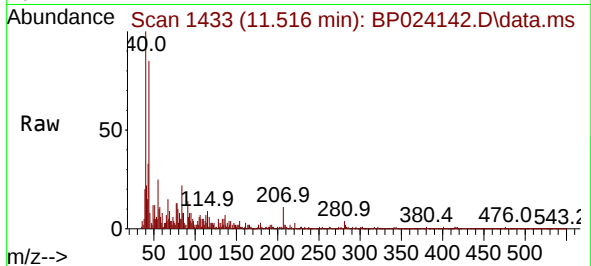




#35
Caprolactam
Concen: 5.616 ng
RT: 11.516 min Scan# 1427
Delta R.T. 0.035 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

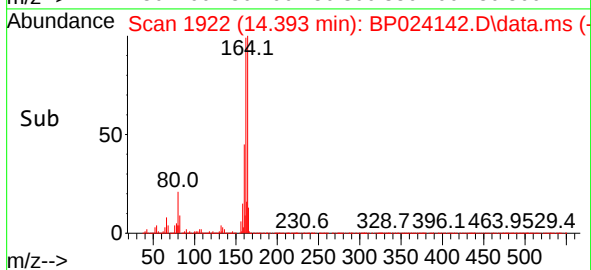
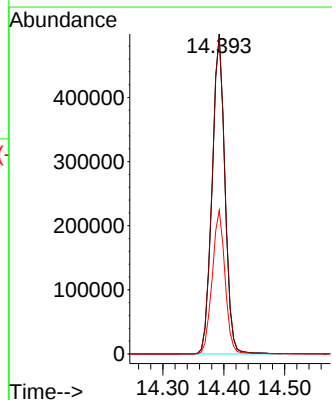
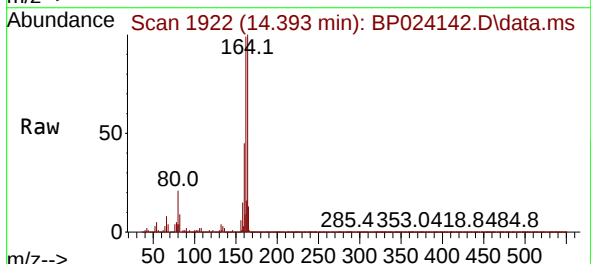
Instrument :
BNA_P
ClientSampleId :
LRSA-MOD

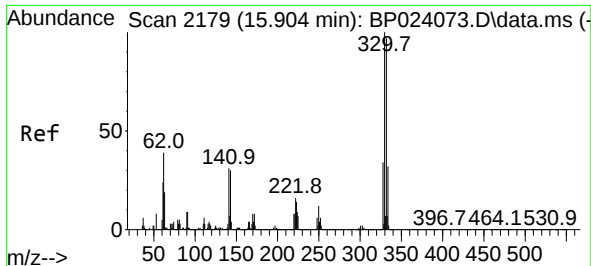
Tgt Ion:113 Resp: 290
Ion Ratio Lower Upper
113 100
55 343.9 108.8 148.8#
56 140.0 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

Tgt Ion:164 Resp: 725960
Ion Ratio Lower Upper
164 100
162 99.0 80.1 120.1
160 44.9 35.6 53.4

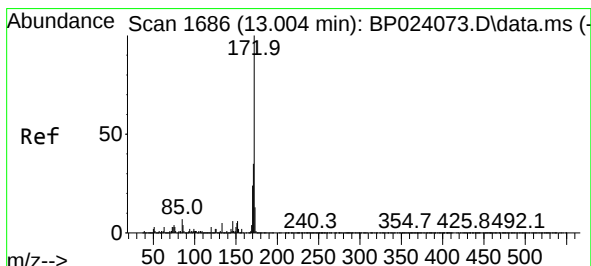
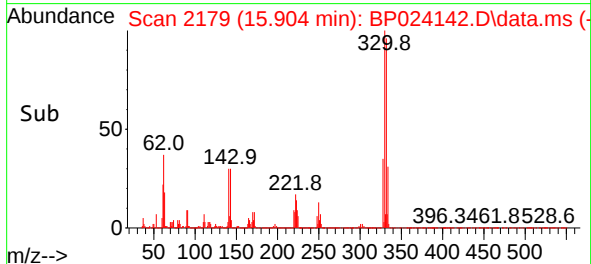
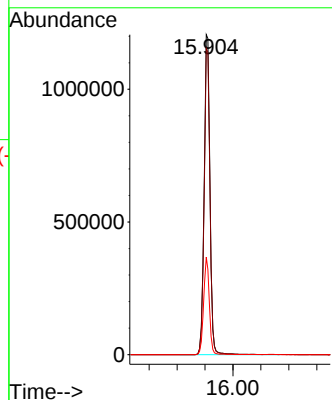
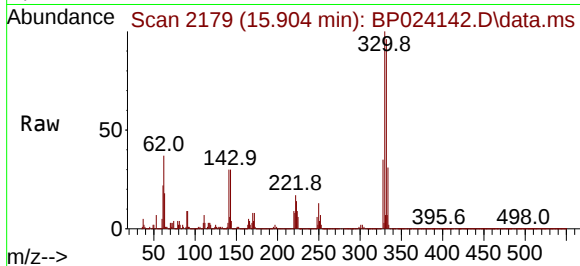




#42
2,4,6-Tribromophenol
Concen: 195.084 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

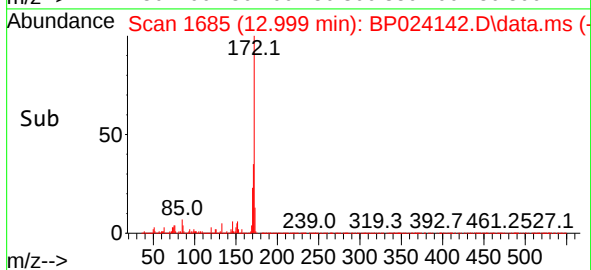
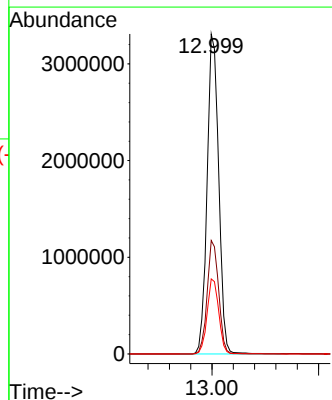
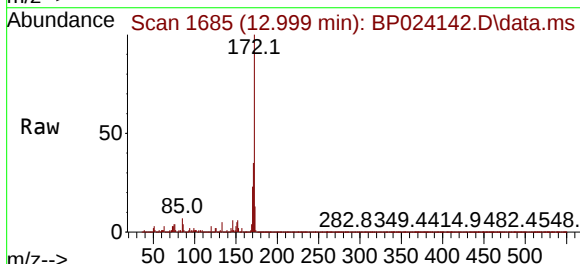
Instrument :
BNA_P
ClientSampleId :
LRSA-MOD

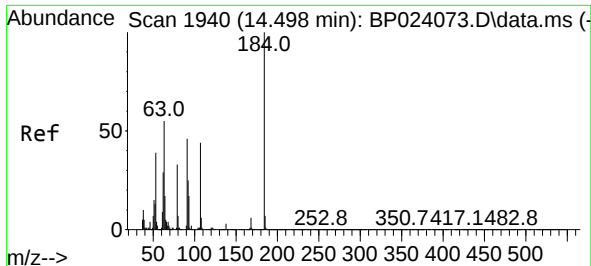
Tgt Ion:330 Resp: 1734724
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 29.9 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 96.074 ng
RT: 12.999 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

Tgt Ion:172 Resp: 4988965
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.4 19.0 28.6

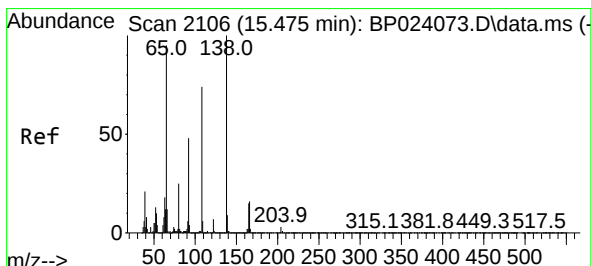
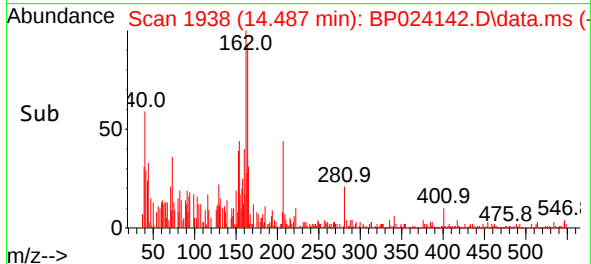
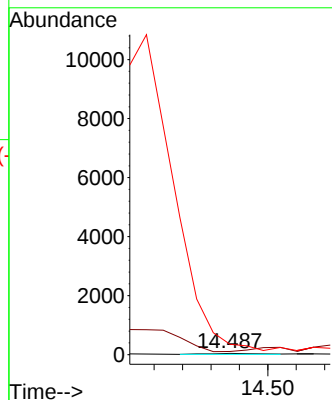
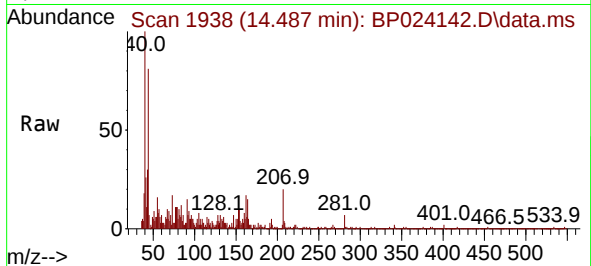




#54
2,4-Dinitrophenol
Concen: 7.784 ng
RT: 14.487 min Scan# 1940
Delta R.T. -0.011 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

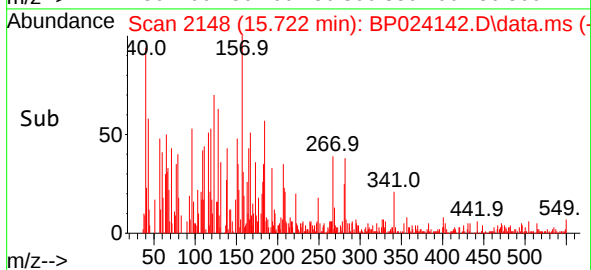
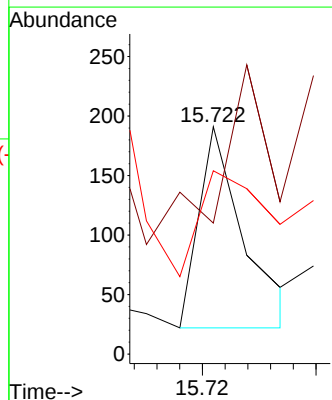
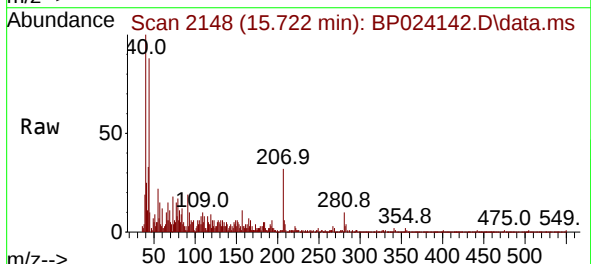
Instrument :
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LRSA-MOD

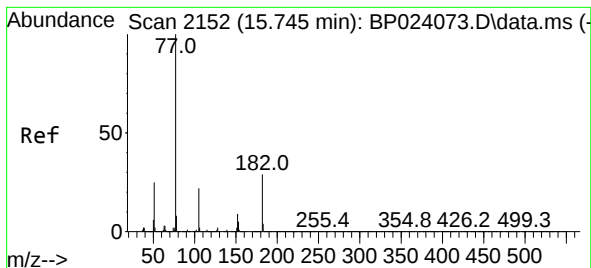
Tgt Ion:	184	Resp:	33
Ion	Ratio	Lower	Upper
184	100		
63	245.5	49.4	74.0#
154	804.5	49.2	73.8#



#62
4-Nitroaniline
Concen: 3.294 ng
RT: 15.722 min Scan# 2148
Delta R.T. 0.247 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

Tgt Ion:	138	Resp:	93
Ion	Ratio	Lower	Upper
138	100		
92	57.6	28.3	68.3
108	80.6	54.0	94.0





#63

Azobenzene

Concen: 2.368 ng

RT: 15.775 min Scan# 2152

Delta R.T. 0.029 min

Lab File: BP024142.D

Acq: 28 Feb 2025 19:42

Instrument :

BNA_P

ClientSampleId :

LRSA-MOD

Tgt Ion: 77 Resp: 112778

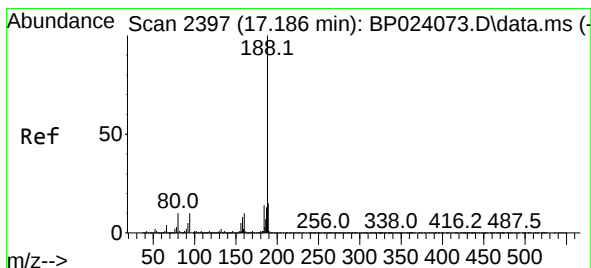
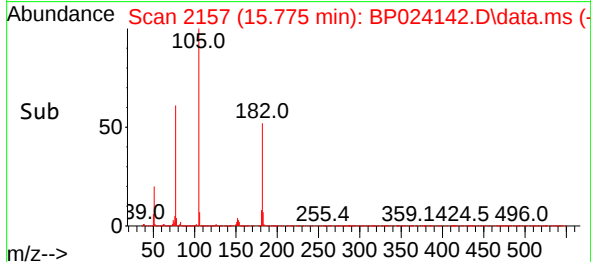
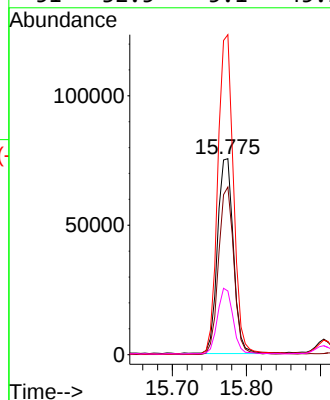
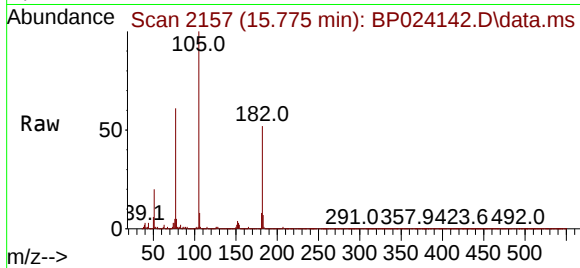
Ion Ratio Lower Upper

77 100

182 85.6 8.5 48.5#

105 163.3 1.8 41.8#

51 32.5 5.1 45.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2398

Delta R.T. 0.006 min

Lab File: BP024142.D

Acq: 28 Feb 2025 19:42

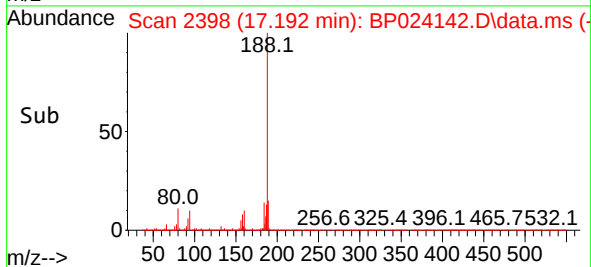
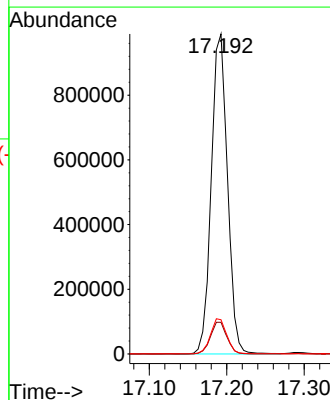
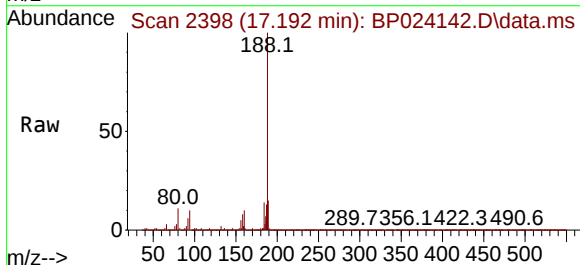
Tgt Ion:188 Resp: 1435989

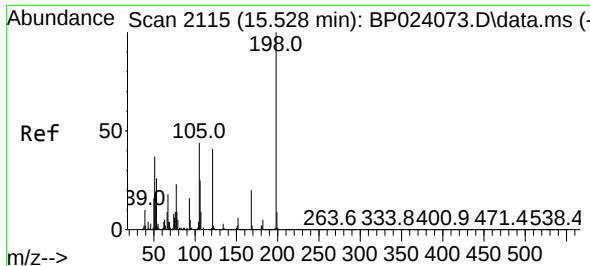
Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

80 10.7 8.2 12.2

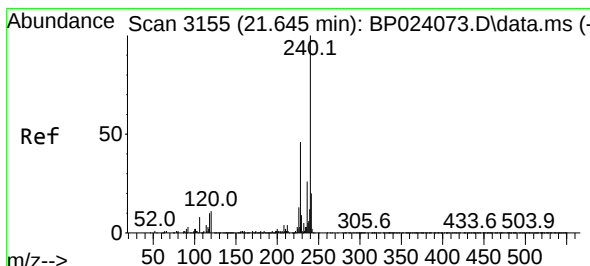
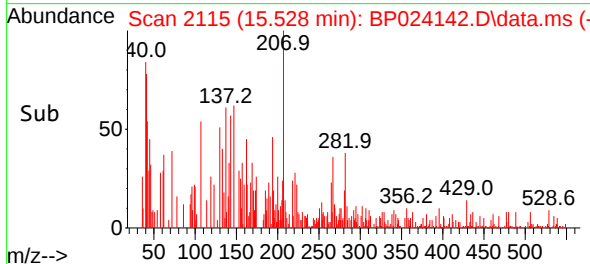
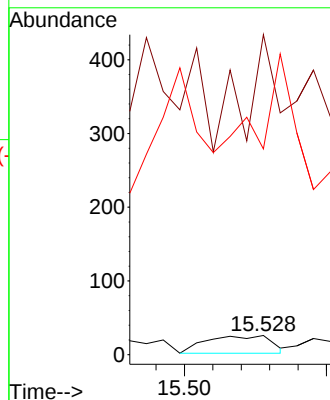
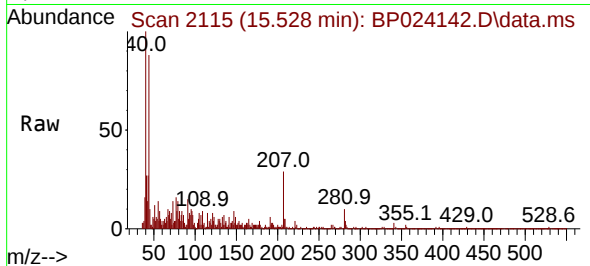




#65
4,6-Dinitro-2-methylphenol
Concen: 6.013 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

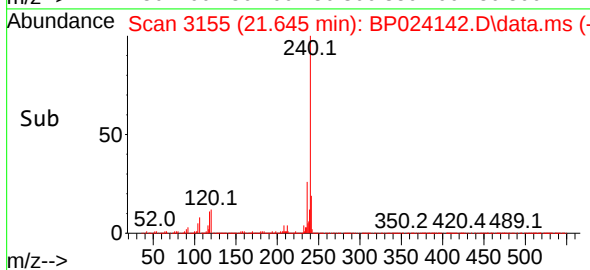
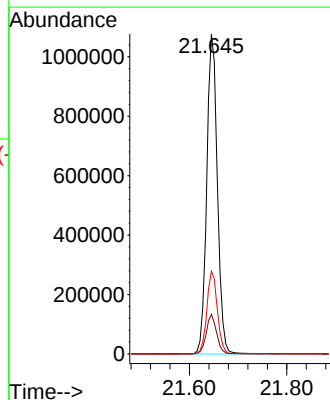
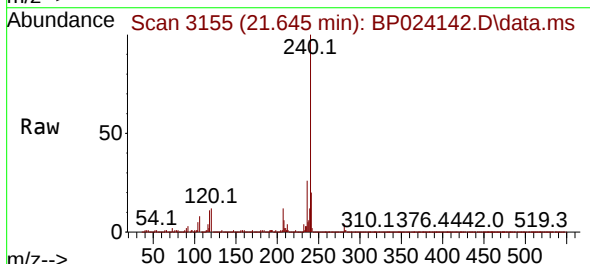
Instrument :
BNA_P
ClientSampleId :
LRSA-MOD

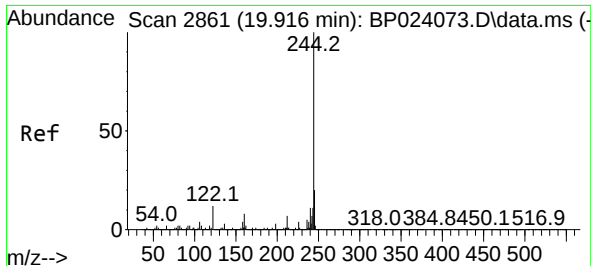
Tgt Ion:198 Resp: 38
Ion Ratio Lower Upper
198 100
51 986.4 18.7 58.7#
105 634.1 24.7 64.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BP024142.D
Acq: 28 Feb 2025 19:42

Tgt Ion:240 Resp: 1621152
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 25.8 20.7 31.1

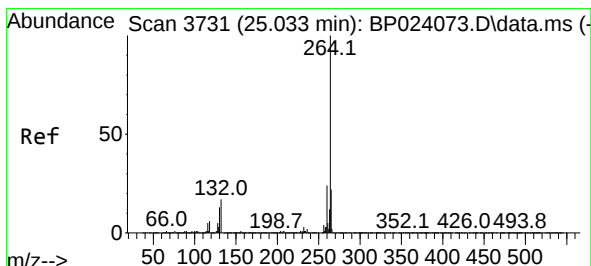
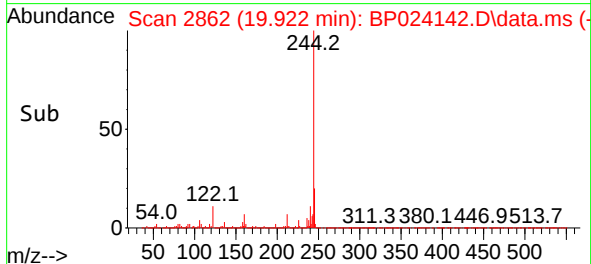
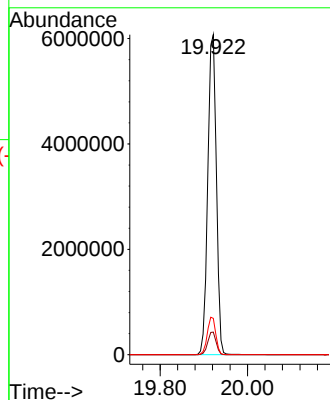
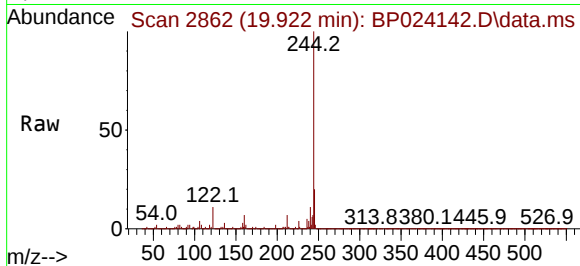




#79
 Terphenyl-d14
 Concen: 101.354 ng
 RT: 19.922 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP024142.D
 Acq: 28 Feb 2025 19:42

Instrument :
 BNA_P
 ClientSampleId :
 LRSA-MOD

Tgt Ion:244 Resp: 8303772
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.3 9.4 14.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.039 min Scan# 3732
 Delta R.T. 0.006 min
 Lab File: BP024142.D
 Acq: 28 Feb 2025 19:42

Tgt Ion:264 Resp: 1877225
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 22.4 17.8 26.8

