

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022423\
 Data File : BP013888.D
 Acq On : 24 Feb 2023 16:48
 Operator : CG/JU
 Sample : 01665-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-231

Quant Time: Feb 24 17:22:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 16:57:00 2023
 Response via : Initial Calibration

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

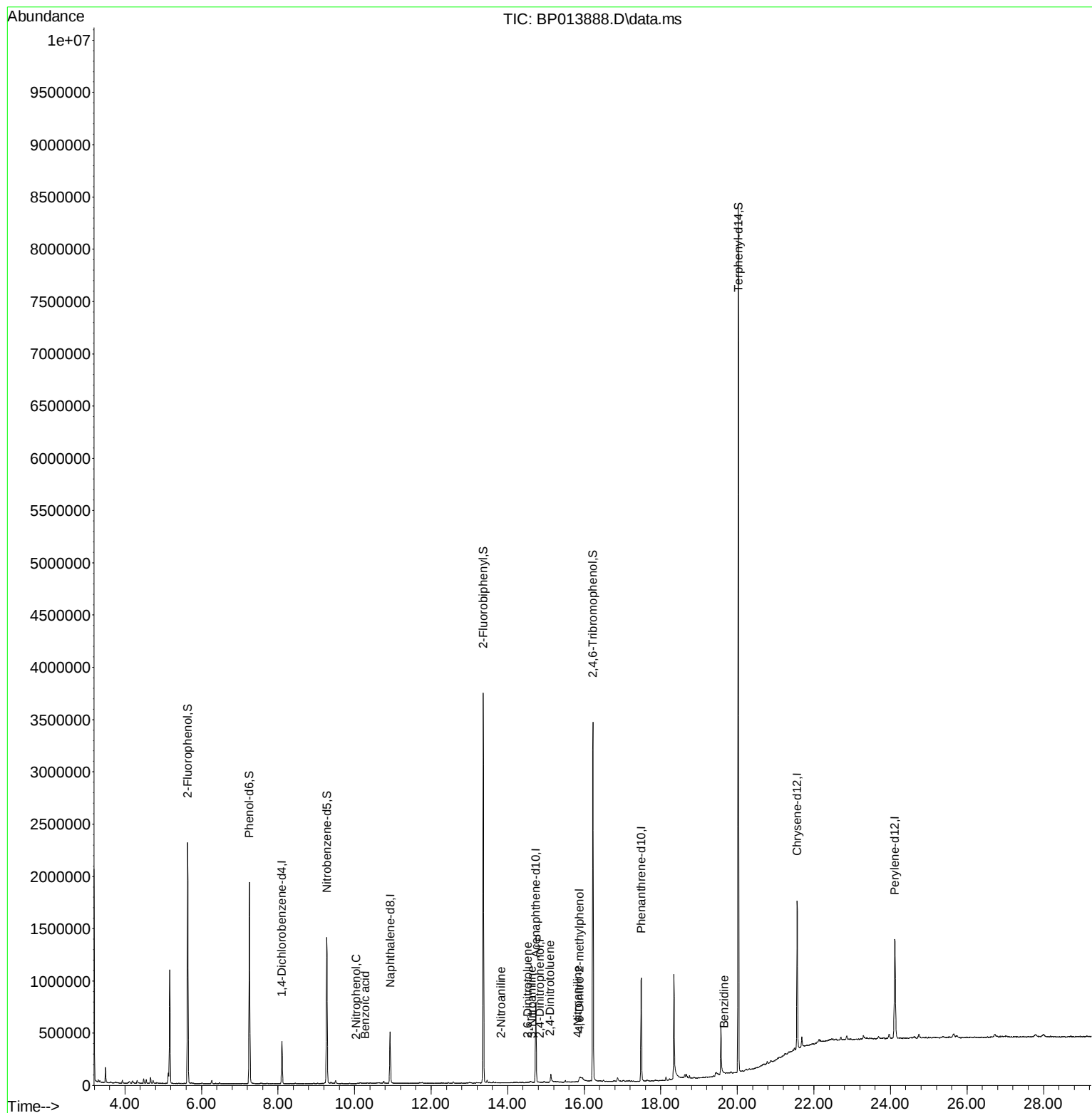
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.098	152	107923	20.000	ng	0.00
21) Naphthalene-d8	10.928	136	391864	20.000	ng	0.00
39) Acenaphthene-d10	14.739	164	251646	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	619317	20.000	ng	# 0.00
76) Chrysene-d12	21.562	240	712014	20.000	ng	-0.01
86) Perylene-d12	24.109	264	804395	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	934676	142.736	ng	0.00
7) Phenol-d6	7.251	99	1079676	128.739	ng	0.00
23) Nitrobenzene-d5	9.275	82	814995	112.309	ng	0.00
42) 2,4,6-Tribromophenol	16.227	330	666063	181.829	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	1845115	96.306	ng	0.00
79) Terphenyl-d14	20.021	244	3890840	105.138	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.040	139	51	2.782	ng	# 71
32) Benzoic acid	10.281	122	301	5.134	ng	# 71
48) 2-Nitroaniline	13.828	65	168	3.266	ng	# 52
51) 2,6-Dinitrotoluene	14.516	165	133	2.016	ng	99
53) 3-Nitroaniline	14.633	138	118	2.032	ng	# 19
54) 2,4-Dinitrophenol	14.845	184	31	5.272	ng	# 1
57) 2,4-Dinitrotoluene	15.110	165	342	2.335	ng	# 96
62) 4-Nitroaniline	15.833	138	87	2.564	ng	90
65) 4,6-Dinitro-2-methylph...	15.880	198	19	4.628	ng	# 1
77) Benzidine	19.657	184	150	2.293	ng	# 1

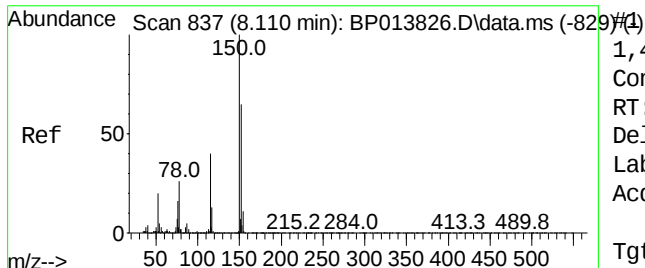
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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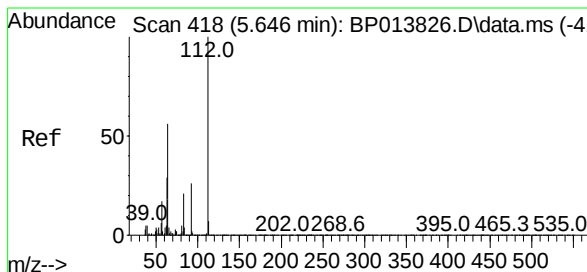
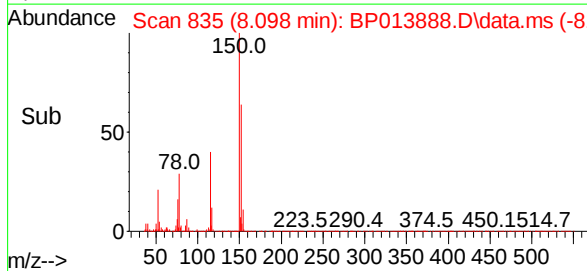
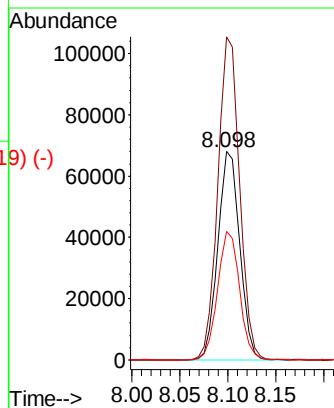
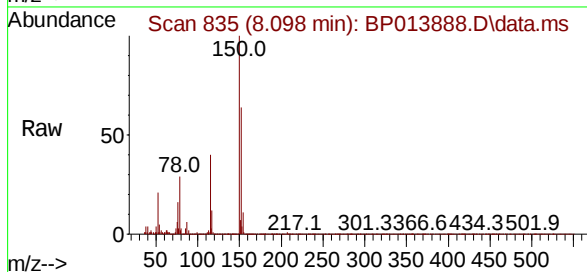




1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.098 min Scan# 837
Delta R.T. -0.006 min
Lab File: BP013888.D
Acq: 24 Feb 2023 16:48

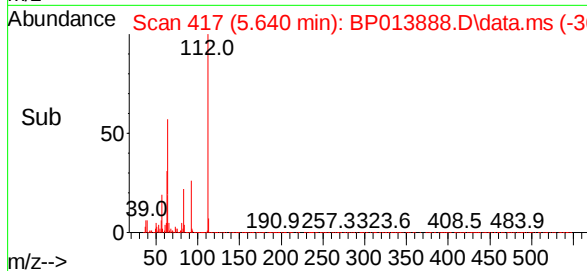
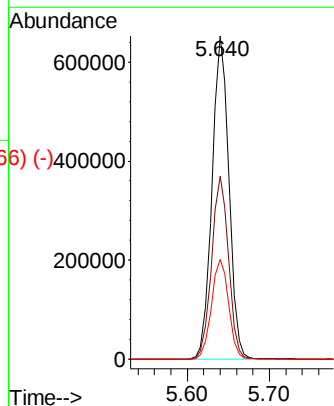
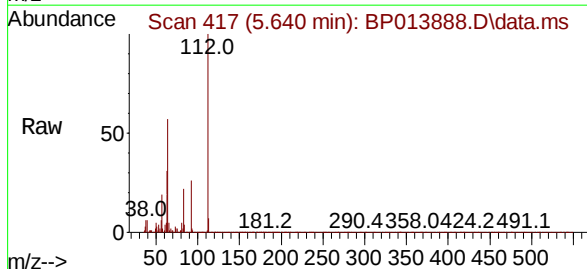
Instrument :
BNA_P
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VNJ-231

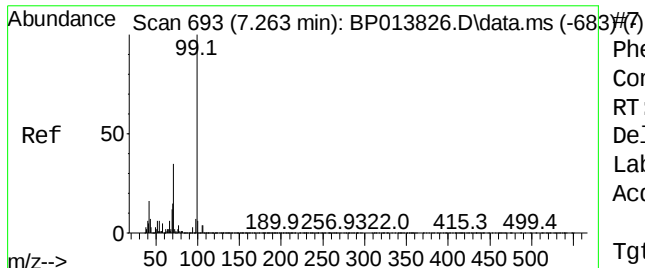
Tgt Ion:152 Resp: 107923
Ion Ratio Lower Upper
152 100
150 155.1 122.8 184.2
115 61.8 49.0 73.6



2-Fluorophenol
Concen: 142.736 ng
RT: 5.640 min Scan# 417
Delta R.T. -0.000 min
Lab File: BP013888.D
Acq: 24 Feb 2023 16:48

Tgt Ion:112 Resp: 934676
Ion Ratio Lower Upper
112 100
64 56.6 44.6 66.8
63 31.0 23.6 35.4



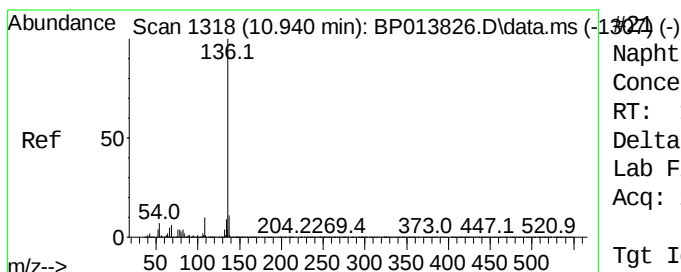
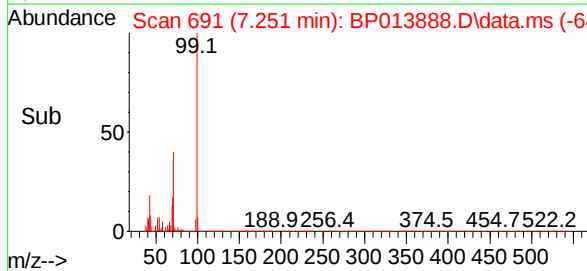
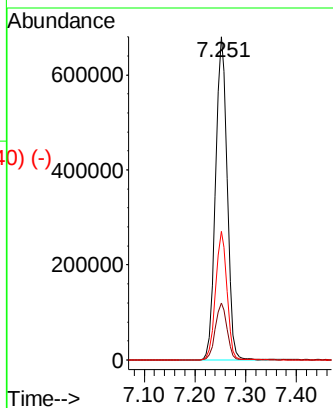
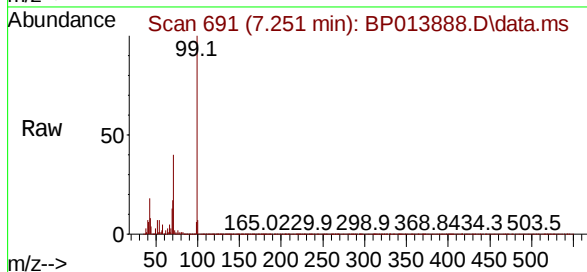


Phenol-d6
 Concen: 128.739 ng
 RT: 7.251 min Scan# 1321
 Delta R.T. -0.000 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-231

Tgt Ion: 99 Resp: 1079676

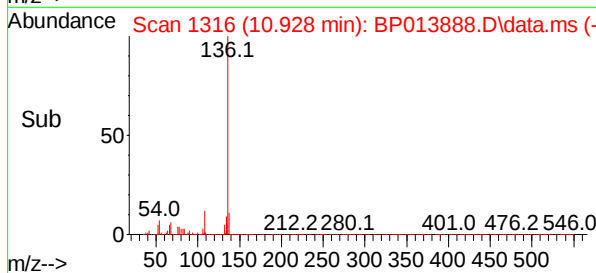
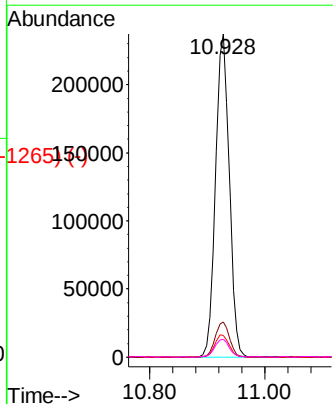
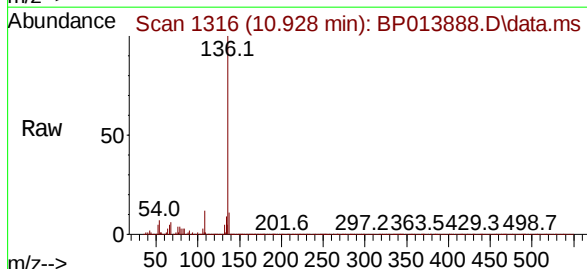
Ion	Ratio	Lower	Upper
99	100		
42	17.6	12.5	18.7
71	39.8	27.8	41.8



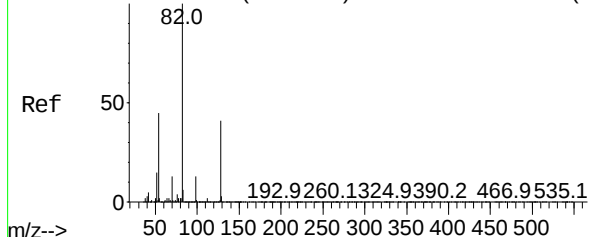
Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.928 min Scan# 1316
 Delta R.T. -0.000 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Tgt Ion: 136 Resp: 391864

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.8	5.8	8.6
68	5.6	4.6	6.8



Abundance Scan 1037 (9.287 min): BP013826.D\data.ms (-1023)



Nitrobenzene-d5

Concen: 112.309 ng

RT: 9.275 min Scan#

Delta R.T. -0.006 min

Lab File: BP013888.D

Acq: 24 Feb 2023 16:48

Instrument :

BNP

ClientSampleId :

VNJ-231

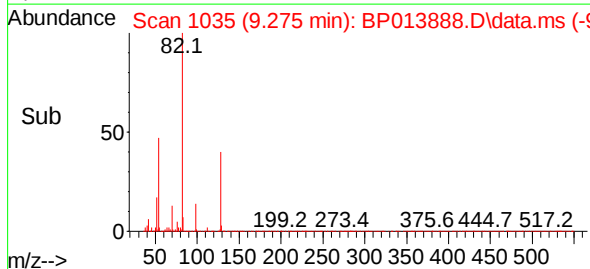
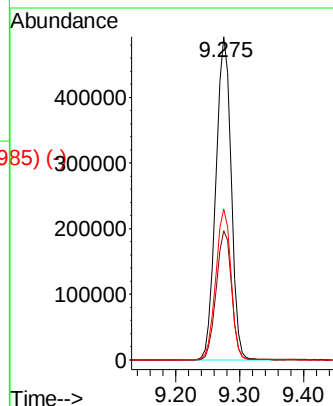
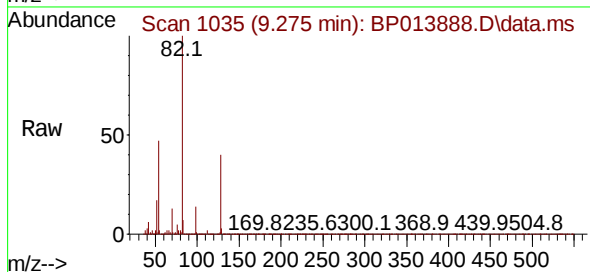
Tgt Ion: 82 Resp: 814995

Ion Ratio Lower Upper

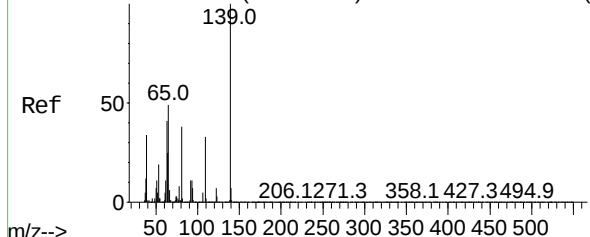
82 100

128 39.9 32.9 49.3

54 46.6 35.6 53.4



Abundance Scan 1166 (10.046 min): BP013826.D\data.ms (-1126)



2-Nitrophenol

Concen: 2.782 ng

RT: 10.040 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BP013888.D

Acq: 24 Feb 2023 16:48

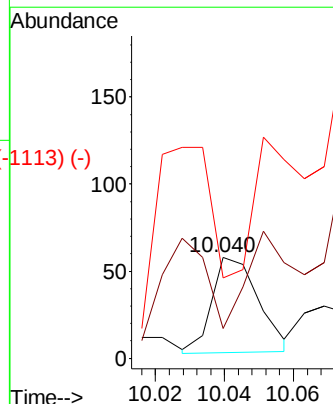
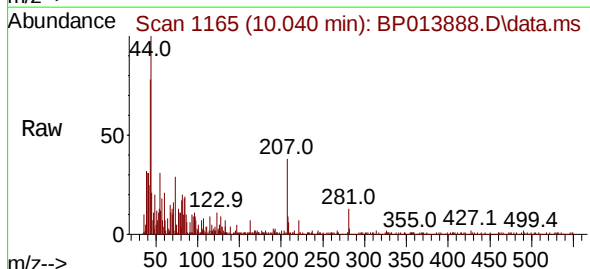
Tgt Ion:139 Resp: 51

Ion Ratio Lower Upper

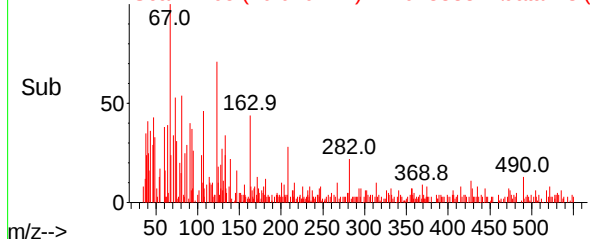
139 100

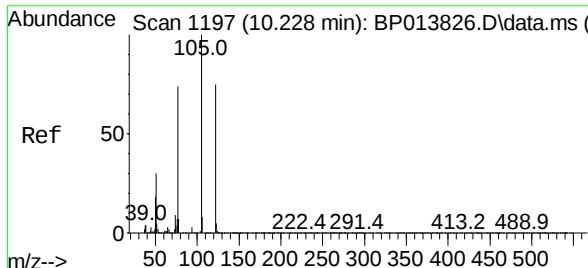
109 29.3 26.7 40.1

65 79.3 39.4 59.2#



Abundance Scan 1165 (10.040 min): BP013888.D\data.ms (-1113)

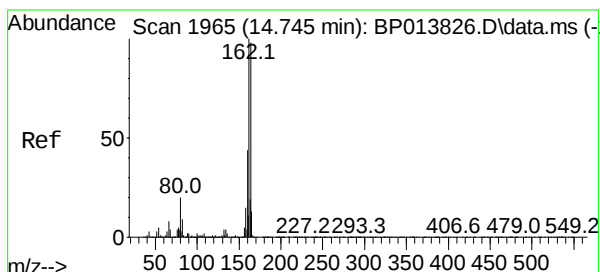
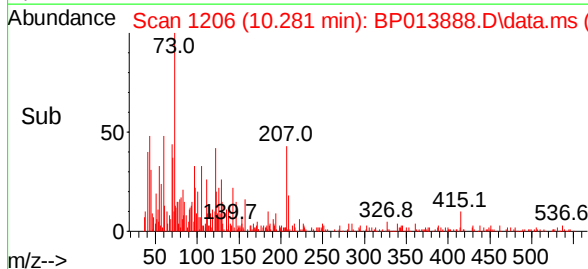
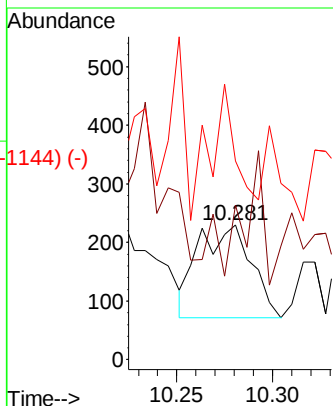
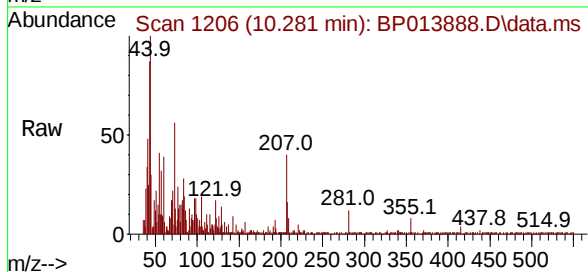




Benzoic acid
 Concen: 5.134 ng
 RT: 10.281 min Scan# 1182
 Delta R.T. 0.065 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

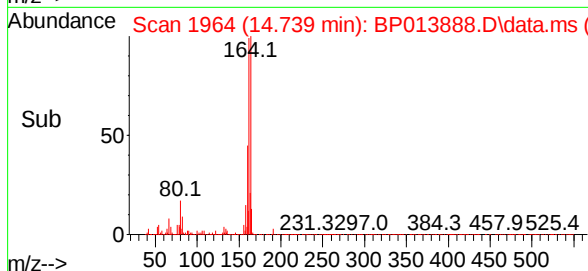
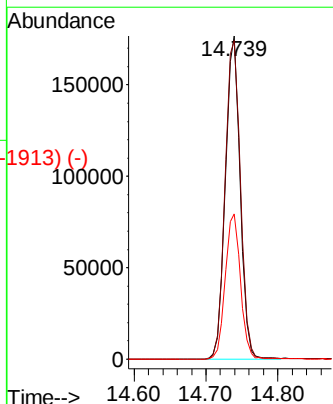
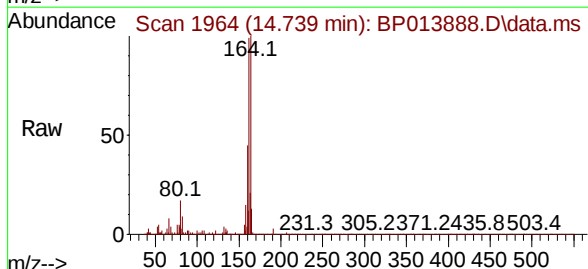
Instrument :
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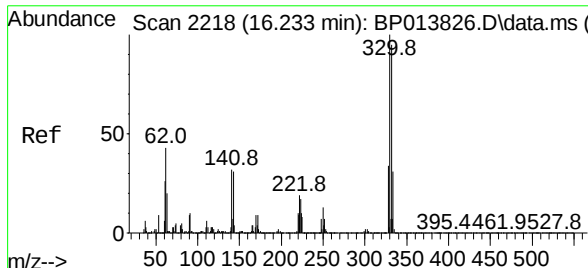
Tgt Ion:	122	Resp:	301
Ion	Ratio	Lower	Upper
122	100		
105	114.8	107.4	147.4
77	147.4	76.0	116.0#



Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.739 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Tgt Ion:	164	Resp:	251646
Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.7	122.5
160	45.0	36.1	54.1

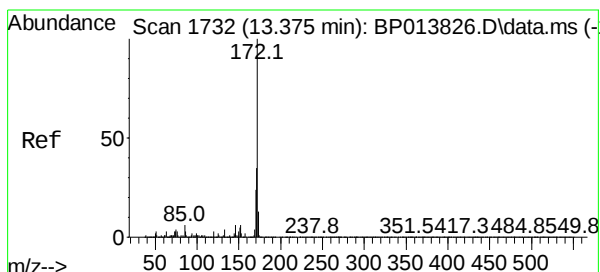
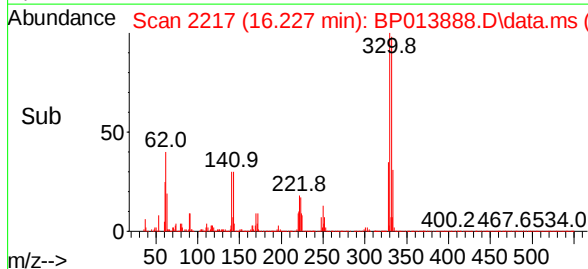
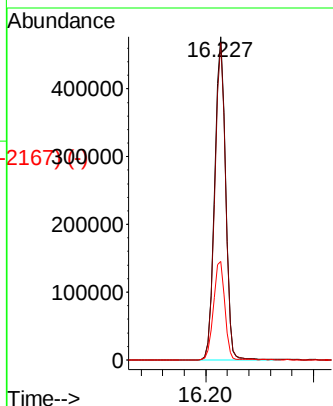
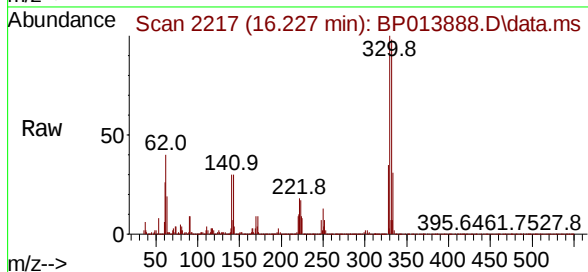




Scan 2218 (16.233 min): BP013826.D\data.ms (-2200) (-)
 2,4,6-Tribromophenol
 Concen: 181.829 ng
 RT: 16.227 min Scan# 2169
 Delta R.T. -0.006 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

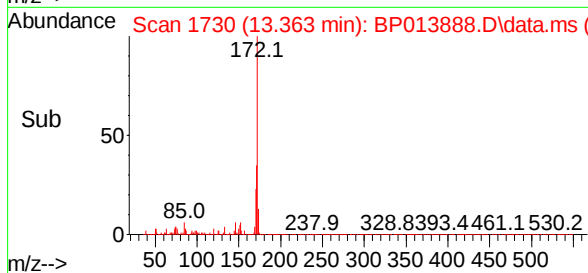
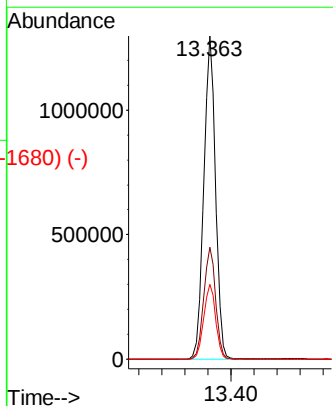
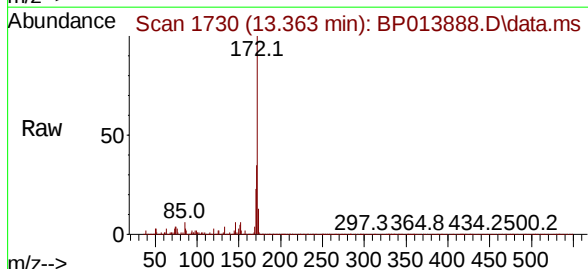
Instrument :
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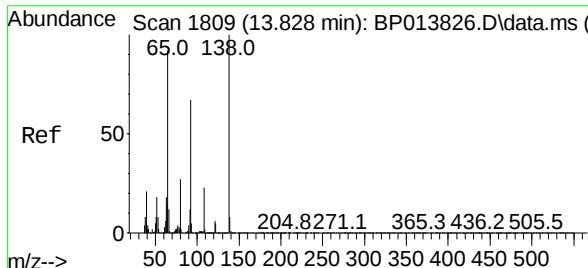
Tgt Ion:	330	Resp:	666063
Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	31.5	25.1	37.7



Scan 1732 (13.375 min): BP013826.D\data.ms (-1745) (-)
 2-Fluorobiphenyl
 Concen: 96.306 ng
 RT: 13.363 min Scan# 1730
 Delta R.T. -0.006 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Tgt Ion:	172	Resp:	1845115
Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	23.1	19.0	28.4

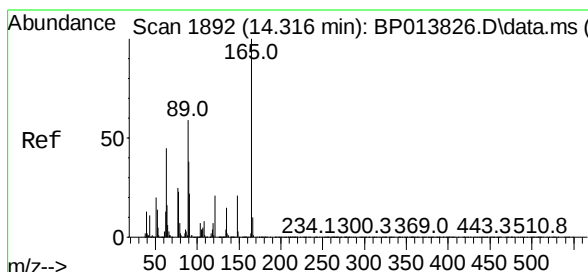
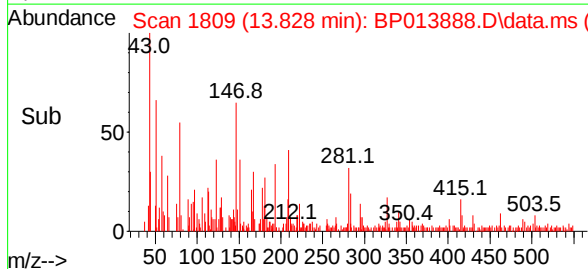
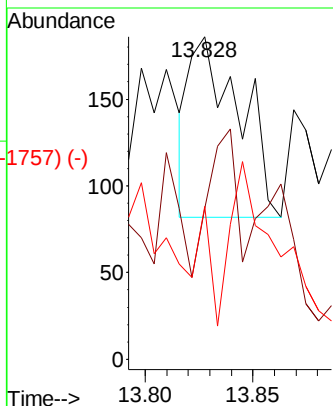
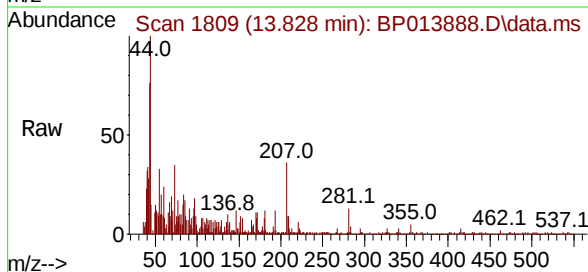




2-Nitroaniline
 Concen: 3.266 ng
 RT: 13.828 min Scan# 1809
 Delta R.T. 0.006 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

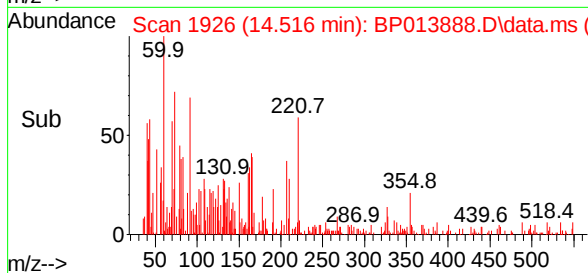
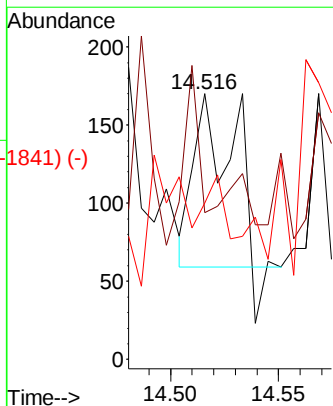
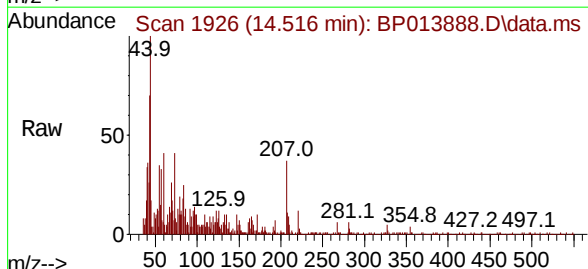
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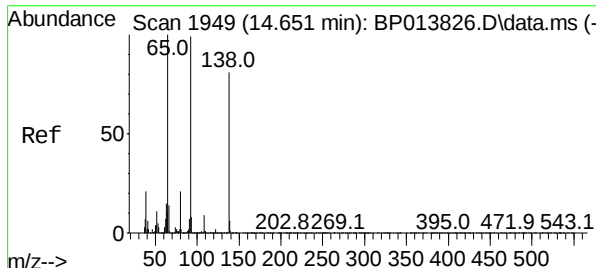
Tgt Ion:	65	Resp:	168
Ion	Ratio	Lower	Upper
65	100		
92	46.8	58.7	88.1#
138	47.3	87.3	130.9#



2,6-Dinitrotoluene
 Concen: 2.016 ng
 RT: 14.516 min Scan# 1926
 Delta R.T. 0.200 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Tgt Ion:	165	Resp:	133
Ion	Ratio	Lower	Upper
165	100		
63	55.3	42.6	63.8
89	58.8	47.1	70.7

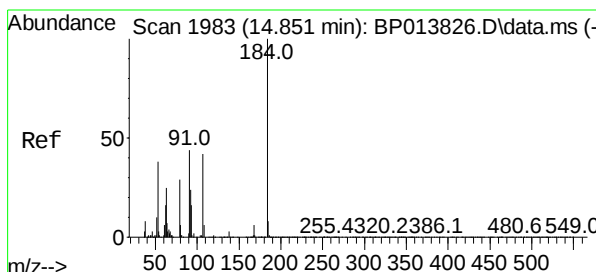
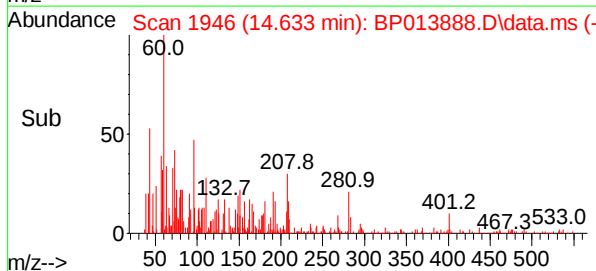
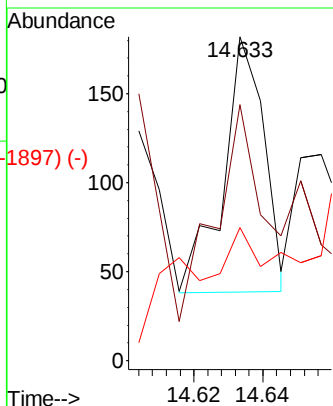
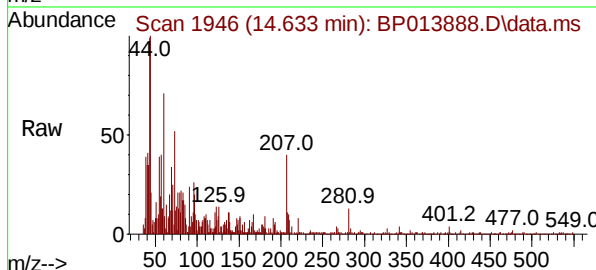




Scan 1949 (14.651 min): BP013826.D\data.ms (-1951) (-)
 3-Nitroaniline
 Concen: 2.032 ng
 RT: 14.633 min Scan# 1949
 Delta R.T. -0.012 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

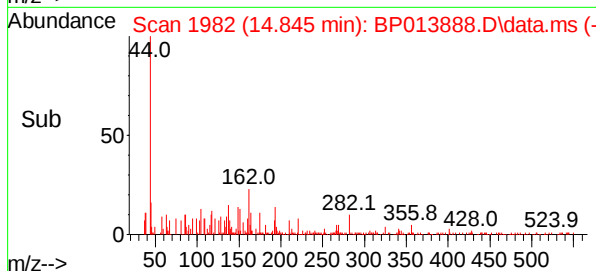
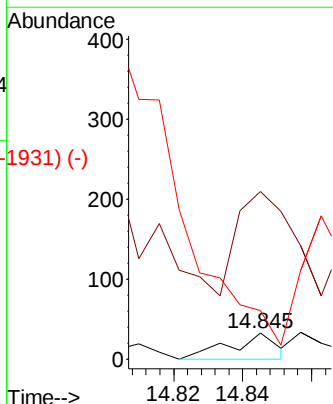
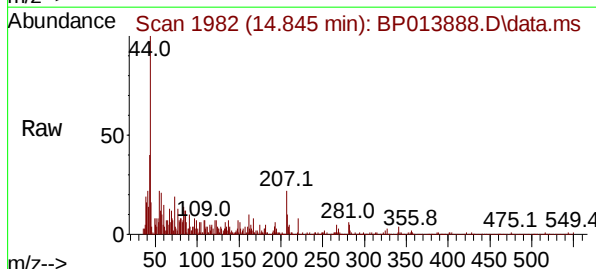
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Tgt Ion:	138	Resp:	118
Ion	Ratio	Lower	Upper
138	100		
108	79.1	9.0	13.4#
92	41.2	97.1	145.7#

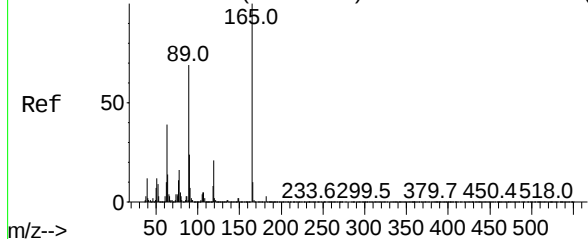


Scan 1983 (14.851 min): BP013826.D\data.ms (-1975) (-)
 2,4-Dinitrophenol
 Concen: 5.272 ng
 RT: 14.845 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Tgt Ion:	184	Resp:	31
Ion	Ratio	Lower	Upper
184	100		
63	636.4	47.0	70.4#
154	184.8	51.5	77.3#



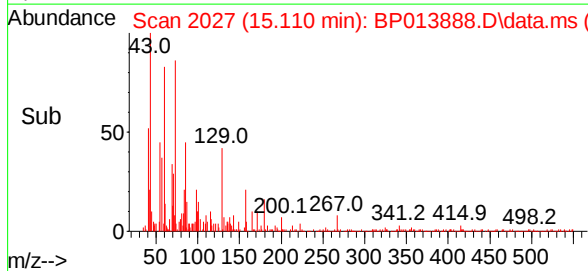
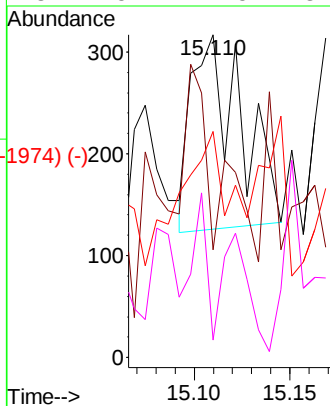
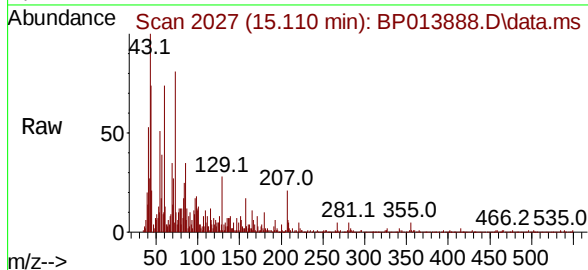
Abundance Scan 2026 (15.104 min): BP013826.D\data.ms (-2015) (-)



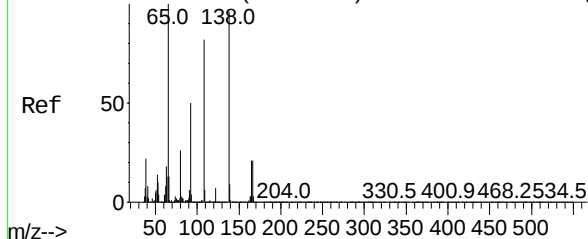
2,4-Dinitrotoluene
Concen: 2.335 ng
RT: 15.110 min Scan# 2150
Delta R.T. 0.012 min
Lab File: BP013888.D
Acq: 24 Feb 2023 16:48

Instrument :
BNA_P
ClientSampleId :
VNJ-231

Tgt Ion:	165	Resp:	342
Ion	Ratio	Lower	Upper
165	100		
63	33.4	31.1	46.7
89	70.0	54.9	82.3
182	5.4	2.5	3.7#

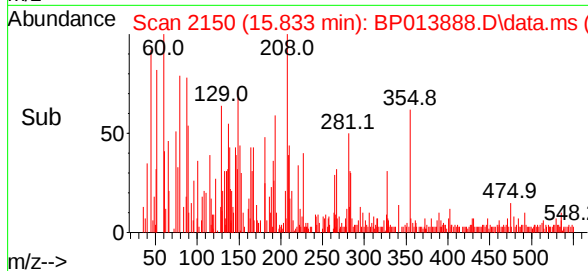
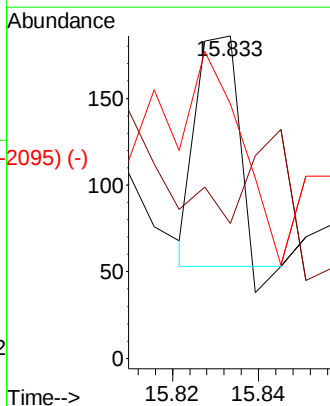
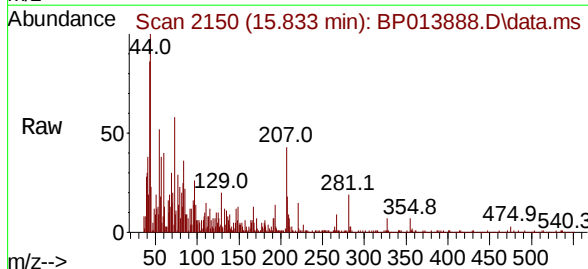


Abundance Scan 2147 (15.816 min): BP013826.D\data.ms (-2162) (-)

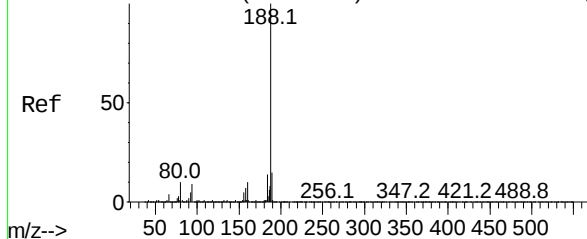


4-Nitroaniline
Concen: 2.564 ng
RT: 15.833 min Scan# 2150
Delta R.T. 0.023 min
Lab File: BP013888.D
Acq: 24 Feb 2023 16:48

Tgt Ion:	138	Resp:	87
Ion	Ratio	Lower	Upper
138	100		
92	41.9	32.0	72.0
108	79.0	65.6	105.6



Abundance Scan 2433 (17.498 min): BP013826.D\data.ms (-2434) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP013888.D

Acq: 24 Feb 2023 16:48

Instrument :

BNA_P

ClientSampleId :

VNJ-231

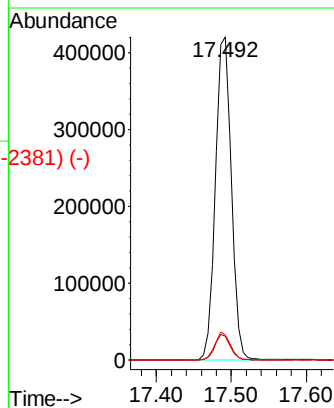
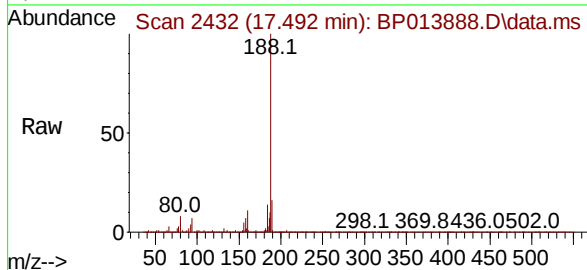
Tgt Ion:188 Resp: 619317

Ion Ratio Lower Upper

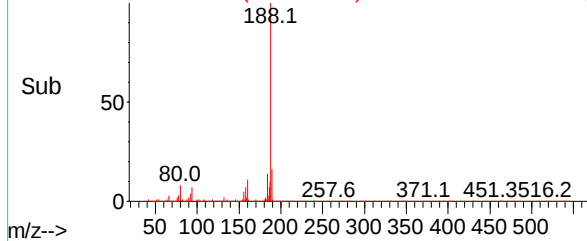
188 100

94 7.2 7.0 10.6

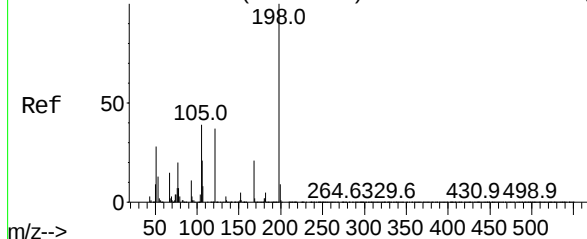
80 7.7 7.8 11.8#



Abundance Scan 2432 (17.492 min): BP013888.D\data.ms (-2381) (-)



Abundance Scan 2156 (15.869 min): BP013826.D\data.ms (-2165) (-)



4,6-Dinitro-2-methylphenol

Concen: 4.628 ng

RT: 15.880 min Scan# 2158

Delta R.T. 0.018 min

Lab File: BP013888.D

Acq: 24 Feb 2023 16:48

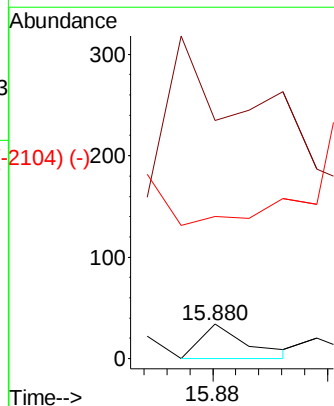
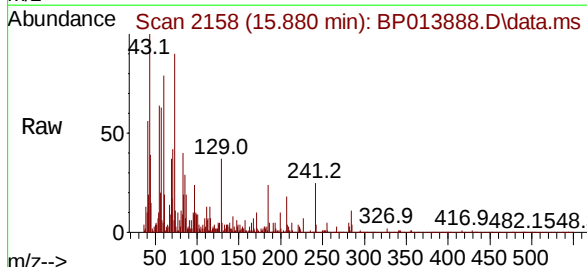
Tgt Ion:198 Resp: 19

Ion Ratio Lower Upper

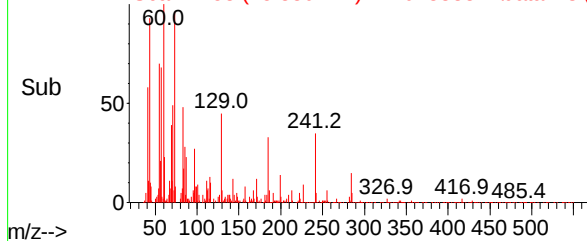
198 100

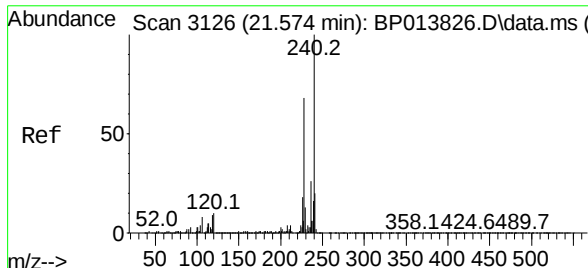
51 691.2 14.3 54.3#

105 411.8 20.5 60.5#



Abundance Scan 2158 (15.880 min): BP013888.D\data.ms (-2104) (-)

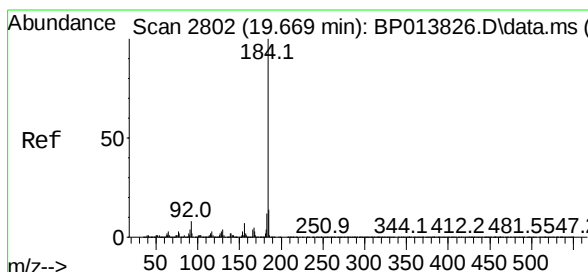
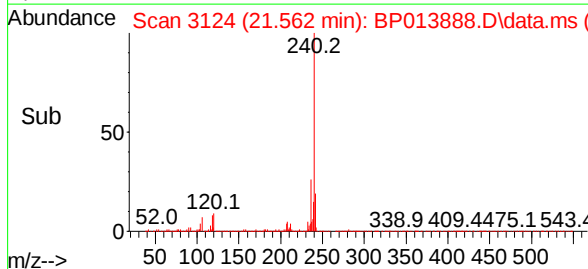
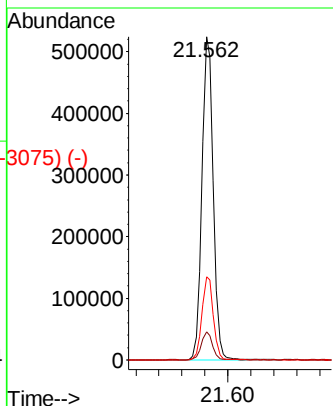
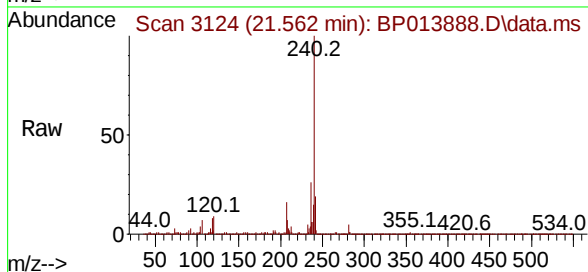




Scan 3126 (21.574 min): BP013826.D\data.ms (-3176) (-)
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.562 min Scan# 3126
 Delta R.T. -0.012 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

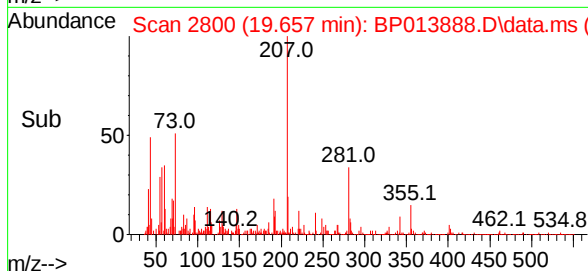
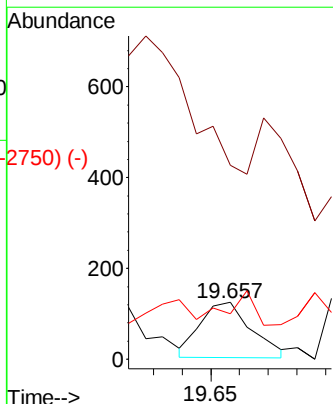
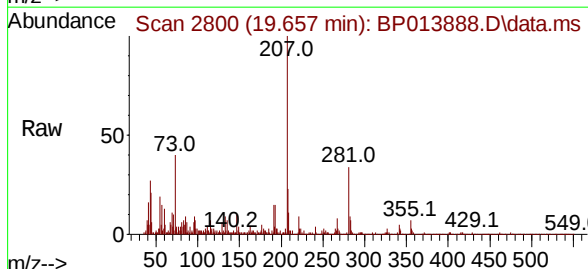
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-231

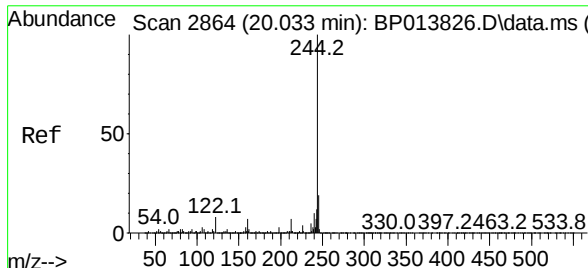
Tgt Ion:	240	Resp:	712014
Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.9	11.9
236	25.8	20.9	31.3



Scan 2802 (19.669 min): BP013826.D\data.ms (-2793) (-)
 Benzidine
 Concen: 2.293 ng
 RT: 19.657 min Scan# 2800
 Delta R.T. -0.006 min
 Lab File: BP013888.D
 Acq: 24 Feb 2023 16:48

Tgt Ion:	184	Resp:	150
Ion	Ratio	Lower	Upper
184	100		
185	342.4	11.4	17.0#
183	80.0	9.6	14.4#





Terphenyl-d14

Concen: 105.138 ng

RT: 20.021 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013888.D

Acq: 24 Feb 2023 16:48

Instrument :

BNA_P

ClientSampleId :

VNJ-231

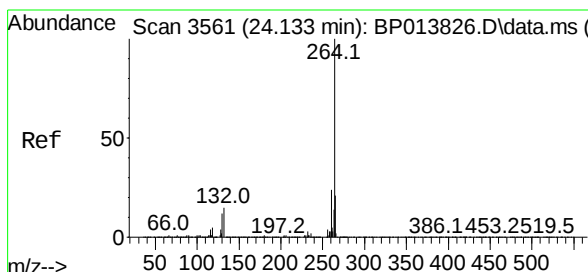
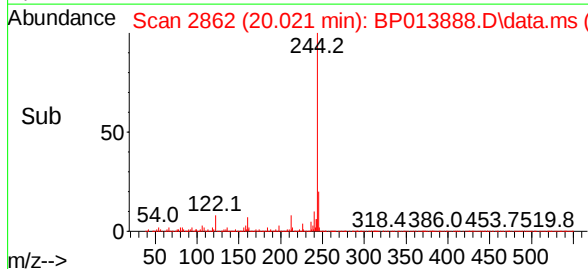
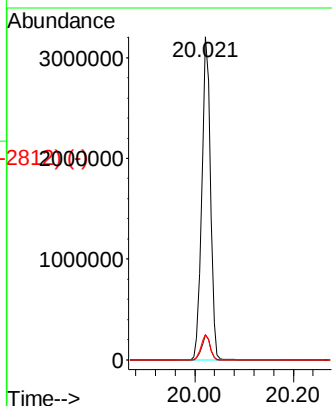
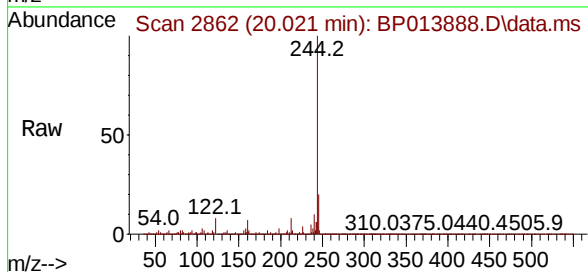
Tgt Ion:244 Resp: 3890840

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 7.8 6.7 10.1



Perylene-d12

Concen: 20.000 ng

RT: 24.109 min Scan# 3557

Delta R.T. -0.012 min

Lab File: BP013888.D

Acq: 24 Feb 2023 16:48

Tgt Ion:264 Resp: 804395

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

265 22.1 17.6 26.4

